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| Название                                                                                                                             | Источник                                             | Год  | DOI                             |
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| Insulator–metal transition in VO2 film on sapphire studied by broadband dielectric spectroscopy                                      | Scientific Reports                                   | 2025 | 10.1038/s41598-025-87573-9      |
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| A method for numerical simulation of shock waves in rarefied gas mixtures based on direct solution of the Boltzmann kinetic equation | Journal of Computational Physics                     | 2025 | 10.1016/j.jcp.2024.113463       |
| Optimal-order Trotter–Suzuki decomposition for quantum simulation on noisy quantum computers                                         | Quantum Information Processing                       | 2025 | 10.1007/s11128-024-04627-z      |
| Gate-tunable nonlocal Josephson effect through magnetic van der Waals bilayers                                                       | Physical Review B                                    | 2025 | 10.1103/PhysRevB.111.024506     |
| Automated manufacturing of segmented nanowires with thin ferromagnetic layers: a step towards miniature SFS Josephson junctions      | Journal of Materials Chemistry C                     | 2025 | 10.1039/d4tc04751f              |
| Enzymatic tools for mitochondrial genome manipulation                                                                                | Biochimie                                            | 2025 | 10.1016/j.biochi.2024.10.013    |
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| Investigation of the Lifetime and Dark Current in Absorbing Layers Based on Ternary Antimony Compounds                               | Journal of Communications Technology and Electronics | 2025 | 10.1134/S1064226924700293       |
| In Vitro and In Vivo Biodegradation of Silk Fabric Scaffolds                                                                         | Doklady Biological Sciences                          | 2025 | 10.1134/S0012496624600519       |
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| Motion and self-motion of thin bodies in rarefied gas                                                                                | Acta Astronautica                                    | 2025 | 10.1016/j.actaastro.2024.10.037 |
| On the conjugacy problem for finite groups in the plane Cremona group                                                                | Journal of Algebra                                   | 2025 | 10.1016/j.jalgebra.2024.09.034  |
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| Contact Stresses in the Problem of the Motion of a Spherical Shell Along a Corner Chute                                              | AIP Conference Proceedings                           | 2025 | 10.1063/5.0248243               |

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| HOMERIC FORMULAE AND CITATIONS AND NEOPLATONIC TERMINOLOGY IN ALEXEI LOSEV'S AND AZA TAKHO-GODI'S ANCIENT GREEK AND LATIN EPIGRAMS TO SERGEI RADZIG AND TATIANA VASILIEVA; [ГОМЕРОВСКИЕ ФОРМУЛЫ И ЦИТАТЫ И НЕОПЛАТОНИЧЕСКАЯ ТЕРМИНОЛОГИЯ В ЭПИГРАММАХ А. Ф. ЛОСЕВА И А. А. ТАХО-ГОДИ С. И. РАДЦИГУ И Т. В. ВАСИЛЬЕВОЙ НА ДРЕВНЕГРЕЧЕСКОМ И ЛАТИНСКОМ ЯЗЫКАХ] | Schole                                                           | 2025 | 10.25205/1995-4328-2025-19-1-503-512 |
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| Potts game on graphs: static equilibria                                                     | Computational Management Science                                                                            | 2024 | 10.1007/s10287-023-00490-y         |
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| Maps from knots in the cylinder to flat-virtual knots                                       | Russian Mathematical Surveys                                                                                | 2024 | 10.4213/rm10090e                   |
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| Modularity of some distance graphs                                                          | European Journal of Combinatorics                                                                           | 2024 | 10.1016/j.ejc.2023.103833          |
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| A simpler proof of Sternfeld's Theorem                                                                                                    | Journal of Topology and Analysis                                                                            | 2024 | 10.1142/S1793525324500080      |
| On automorphisms of tame polynomial automorphism Ind-Schemes in positive characteristic                                                   | Communications in Algebra                                                                                   | 2024 | 10.1080/00927872.2024.2371090  |
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| Computational framework for the Earth system modelling and the INM-CM6 climate model implemented on its base                              | Russian Journal of Numerical Analysis and Mathematical Modelling                                            | 2024 | 10.1515/rnam-2024-0032         |
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| Об энергии корней                                                                                                                         | Математические заметки                                                                                      | 2024 |                                |
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| Оценки числа ребер в подграфах графов Джонсона                                                                                            | Математические заметки                                                                                      | 2024 |                                |
| Учёт влияния благоприятного градиента давления при моделировании ламинарно-турбулентного перехода в рамках подхода RANS                   | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2024 |                                |
| Нижние и верхние оценки минимального числа ребер в некоторых подграфах графа Джонсона                                                     | Математический сборник                                                                                      | 2024 |                                |
| Технология "слепой" обработки привлекаемых данных в системах машинного обучения                                                           | Вопросы защиты информации                                                                                   | 2024 |                                |
| Олимпиадные геометрические задачи, решаемые с помощью комплексных чисел                                                                   | Математика в школе                                                                                          | 2024 |                                |
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| Novel coronaviruses and mammarenaviruses of hedgehogs from Russia including the comparison of viral communities of hibernating and active specimens                | Frontiers in Veterinary Science                                         | 2024 | 10.3389/fvets.2024.1486635      |
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| A Novel Mastadenovirus from Nyctalus noctula Which Represents a Distinct Evolutionary Branch of Viruses from Bats in Europe                                        | Viruses                                                                 | 2024 | 10.3390/v16081207               |
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| The use of omics technologies in creating LBP and postbiotics based on the <i>Limosilactobacillus fermentum</i> U-21                                                                                                                                                                                                             | Frontiers in Microbiology                                            | 2024 | 10.3389/fmicb.2024.1416688      |
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| Survival of the heart in different cardioplegic solution delivery systems under extracorporeal normothermic perfusion conditions: an experimental study; [Выживаемость сердца при различных системах подачи кардиоплегического раствора в условиях экстракорпоральной нормотермической перфузии: экспериментальное исследование] | Patologiya Krovoobrashcheniya i Kardiokirurgiya                      | 2024 | 10.21688/1681-3472-2024-4-78-93 |
| New anticoagulant protein from medicinal leech                                                                                                                                                                                                                                                                                   | Biochemical and Biophysical Research Communications                  | 2024 | 10.1016/j.bbrc.2024.149473      |
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| Ultrafast Proteomics                                                                                                                                                                                                                                                                                                             | Biochemistry (Moscow)                                                | 2024 | 10.1134/S0006297924080017       |
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| Morphology, phylogenetic position and distribution of Mallomonas mangofera and Mallomonas foveata comb. et stat. nov. (Synurales, Chrysophyceae)                                                                                                                                  | Phytotaxa                                                           | 2024 | 10.11646/phytotaxa.662.3.2        |
| Coherent mode locking in a two-section laser with fast gain and absorber                                                                                                                                                                                                          | Applied Physics B: Lasers and Optics                                | 2024 | 10.1007/s00340-024-08317-7        |
| Multikinase inhibitors modulate non-constitutive proteasome expression in colorectal cancer cells                                                                                                                                                                                 | Frontiers in Molecular Biosciences                                  | 2024 | 10.3389/fmolb.2024.1351641        |

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| Extensive long-range polycomb interactions and weak compartmentalization are hallmarks of human neuronal 3D genome                                                                                       | Nucleic Acids Research                                              | 2024 | 10.1093/nar/gkae271             |
| Biomarkers of success of anti-PD-(L)1 immunotherapy for non-small cell lung cancer derived from RNA- and whole-exome sequencing: results of a prospective observational study on a cohort of 85 patients | Frontiers in Immunology                                             | 2024 | 10.3389/fimmu.2024.1493877      |
| Гибридное фотовозбуждение сверхчистого алмаза фемтосекундными лазерными импульсами среднего ИК-диапазона                                                                                                 | Письма в Журнал экспериментальной и теоретической физики            | 2024 |                                 |
| The effect of boron on the structure and lattice parameters of diamond single crystals                                                                                                                   | Diamond and Related Materials                                       | 2024 | 10.1016/j.diamond.2024.111015   |
| Effect of thermobaric treatment on magnetic and superconductive properties of HPHT-grown nitrogen-doped diamond crystals                                                                                 | Diamond and Related Materials                                       | 2024 | 10.1016/j.diamond.2023.110759   |
| Hall measurements on nitrogen-doped Ib-type synthetic single crystal diamonds at temperatures 550-1143K                                                                                                  | Applied Physics Letters                                             | 2024 | 10.1063/5.0180183               |
| Thermo-oxidative degradation of carbon nanotubes and related nanostructures: role of acidic environment and chloride ions                                                                                | Fullerenes Nanotubes and Carbon Nanostructures                      | 2024 | 10.1080/1536383X.2024.2320800   |
| The effect of kinetic and photoinduced processes at high pressure on cluster structure of ultrahard fullerite                                                                                            | Diamond and Related Materials                                       | 2024 | 10.1016/j.diamond.2024.111380   |
| Hybrid Photoexcitation in Undoped Diamond by Mid-Infrared Femtosecond Laser Pulses                                                                                                                       | JETP Letters                                                        | 2024 | 10.1134/S0021364024602604       |
| Banana diagrams as functions of geodesic distance                                                                                                                                                        | PHYS LETT B                                                         | 2024 |                                 |
| Nuclear Electromagnetic Moments and Radii Near Neutron Shell                                                                                                                                             | Physics of Atomic Nuclei                                            | 2024 | 10.1134/S1063778824700376       |
| Short-Wavelength Emission from a Hot Dense Plasma                                                                                                                                                        | Plasma Physics Reports                                              | 2024 | 10.1134/S1063780X24601378       |
| Цифровые представления непрерывных наблюдаемых в квантовой механике                                                                                                                                      | Теоретическая и математическая физика                               | 2024 |                                 |
| Bacterial Cellulose-Chitosan Composite for Prolonged-Action L-Asparaginase in Treatment of Melanoma Cells                                                                                                | Biochemistry (Moscow)                                               | 2024 | 10.1134/S0006297924100067       |
| Method for Measuring Pairwise Affinity of Substantially Non-complementary Oligonucleotides                                                                                                               | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings | 2024 | 10.1109/ICLO59702.2024.10624510 |
| Expression of FAD and SAD Genes in Developing Seeds of Flax Varieties under Different Growth Conditions                                                                                                  | Plants                                                              | 2024 | 10.3390/plants13070956          |
| Effect of microalgae feed supplementation on growth performance and feeding efficiency of tilapia fry                                                                                                    | Journal of Applied Phycology                                        | 2024 | 10.1007/s10811-024-03232-y      |
| Nanopore Data-Driven T2T Genome Assemblies of Colletotrichum lini Strains                                                                                                                                | Journal of Fungi                                                    | 2024 | 10.3390/jof10120874             |
| Exploring the diversity of cancer-associated fibroblasts: insights into mechanisms of drug resistance                                                                                                    | Frontiers in Cell and Developmental Biology                         | 2024 | 10.3389/fcell.2024.1403122      |

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| The relationship between charitable giving and emotional facial expressions: Results from affective computing                                                    | Heliyon                                                             | 2024 | 10.1016/j.heliyon.2023.e23728 |
| METHOD TO ASSESS THE EFFECTS OF BIOACTIVE COMPOUNDS SOLUTIONS ON BLOOD CLOTTING; [МЕТОДИКА ОЦЕНКИ ВЛИЯНИЯ РАСТВОРОВ БИОЛОГИЧЕСКИ АКТИВНЫХ ВЕЩЕСТВ НА КОАГУЛЯЦИЮ] | Extreme Medicine                                                    | 2024 | 10.47183/mes.2024.026         |
| БЛОКАТОРЫ ПОТЕНЦИАЛ-ЗАВИСИМЫХ НАТРИЕВЫХ КАНАЛОВ НА ОСНОВЕ АЗОБЕНЗОЛА С УПРАВЛЯЕМОЙ СВЕТОМ МЕСТНОАНЕСТЕТИЧЕСКОЙ И АНТИАРИТМИЧЕСКОЙ АКТИВНОСТЬЮ                    | Биофизика                                                           | 2024 |                               |
| Nanopore Amplicon Sequencing Allows Rapid Identification of Glutenin Allelic Variants in a Wheat Collection                                                      | Agronomy                                                            | 2024 | 10.3390/agronomy14010013      |
| Human sodium current voltage-dependence at physiological temperature measured by coupling a patch-clamp experiment to a mathematical model                       | Journal of Physiology                                               | 2024 | 10.1113/JP285162              |
| A do-it-yourself benchtop device for highly scalable flow synthesis of protein-based nanoparticles                                                               | HardwareX                                                           | 2024 | 10.1016/j.ohx.2024.e00554     |
| Number of human protein interactions correlates with structural, but not regulatory conservation of the respective genes                                         | Frontiers in Genetics                                               | 2024 | 10.3389/fgene.2024.1472638    |
| Genetically encoded epigenetic sensors for visualization of H3K9me3, H3K9ac and H3K4me1 histone modifications in living cells                                    | Biochemical and Biophysical Research Communications                 | 2024 | 10.1016/j.bbrc.2024.150715    |
| Mallomonas gemina comb. et stat. nov. (Synurales, Chrysophyceae)—a new combination based on molecular studies                                                    | Phytotaxa                                                           | 2024 | 10.11646/phytotaxa.665.3.4    |
| 5'-Noraristeromycin Repurposing: Well-known S-Adenosyl-L-homocysteine Hydrolase Inhibitor As a Potential Drug Against Leukemia                                   | Acta Naturae                                                        | 2024 | 10.32607/actanaturae.27443    |
| Improving the power of drug toxicity measurements by quantitative nuclei imaging                                                                                 | Cell Death Discovery                                                | 2024 | 10.1038/s41420-024-01950-3    |
| Alphacoronaviruses from bats captured in European Russia in 2015 and 2021 are closely related to those of Northern Europe                                        | Frontiers in Ecology and Evolution                                  | 2024 | 10.3389/fevo.2024.1324605     |
| Liposome-encapsulated aprotinin biodistribution in mice: Side-by-side comparison with free drug formulation                                                      | Biochemical and Biophysical Research Communications                 | 2024 | 10.1016/j.bbrc.2024.150636    |
| Targeted Inhibitors of EGFR: Structure, Biology, Biomarkers, and Clinical Applications                                                                           | Cells                                                               | 2024 | 10.3390/cells13010047         |
| РАЗВИТИЕ ПРОСТРАНСТВЕННОГО МЫШЛЕНИЯ СТУДЕНТОВ ПУТЕМ ФОРМИРОВАНИЯ У НИХ МЕНТАЛЬНЫХ ОБРАЗОВ В УЧАСТКАХ ПРЕФРОНТАЛЬНОЙ КОРЫ ГОЛОВНОГО МОЗГА                         | Известия Воронежского государственного педагогического университета | 2024 |                               |

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| Potential role of DSG2 as a murine receptor for entry of Coxsackie viruses                                                                                                               | FEBS OPEN BIO                                                                                                                                       | 2024 |                                      |
| ITLP-Campus: A Dataset for Multimodal Semantic Place Recognition                                                                                                                         | Lecture Notes in Networks and Systems                                                                                                               | 2024 | 10.1007/978-3-031-77688-5_18         |
| Learn to Follow: Decentralized Lifelong Multi-Agent Pathfinding via Planning and Learning                                                                                                | AAAI CONF ARTIF INTE                                                                                                                                | 2024 |                                      |
| Topology of the Liouville foliation in the generalized constrained three-vortex problem                                                                                                  | Sbornik Mathematics                                                                                                                                 | 2024 | 10.4213/sm9991e                      |
| Numerical Computation of Methane Migration Effect on Seismic Survey Results in Permafrost Zones                                                                                          | Computational Mathematics and Mathematical Physics                                                                                                  | 2024 | 10.1134/S0965542524701057            |
| Skill Learning with Empowerment in Reinforcement Learning                                                                                                                                | Pattern Recognition and Image Analysis                                                                                                              | 2024 | 10.1134/S1054661824700329            |
| Table-to-Text Generation With Pretrained Diffusion Models                                                                                                                                | IEEE Access                                                                                                                                         | 2024 | 10.1109/ACCESS.2024.3440006          |
| Utilizing multi-source real data for traffic flow optimization in CTraf;<br>[Использование реальных данных из нескольких источников для оптимизации транспортных потоков в пакете CTraf] | Computer Research and Modeling                                                                                                                      | 2024 | 10.20537/2076-7633-2024-16-1-147-159 |
| Generation and Dynamics of Soliton Microcombs in Microring Resonators Pumped by Two Self-Injection-Locked Laser Diodes                                                                   | Conference on Lasers and Electro-Optics/Pacific Rim, CLEO-PR 2024 in Proceedings 2024 Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR) | 2024 |                                      |
| Named Entity Recognition for Code Review Comments                                                                                                                                        | Programming and Computer Software                                                                                                                   | 2024 | 10.1134/S0361768824700233            |
| Eurasian-scale experimental satellite-based quantum key distribution with detector efficiency mismatch analysis                                                                          | Optics Express                                                                                                                                      | 2024 | 10.1364/OE.511772                    |
| Spectrum of FO Logic with Quantifier Depth 4 is Finite                                                                                                                                   | ACM Transactions on Computational Logic                                                                                                             | 2024 | 10.1145/3641547                      |
| Исследование качества идентификации рефлекторной биометрии на основе микродвижений глаз                                                                                                  | Вопросы защиты информации                                                                                                                           | 2024 |                                      |
| EXACT: How to train your accuracy                                                                                                                                                        | Pattern Recognition Letters                                                                                                                         | 2024 | 10.1016/j.patrec.2024.06.033         |
| GPU Cache Flush Minimization In Render Graph Systems                                                                                                                                     | Journal of WSCG                                                                                                                                     | 2024 | 10.24132/JWSCG.2024.8                |
| A Modification of Adaptive Greedy Algorithm for Solving Problems of Fractured Media Geophysics                                                                                           | Supercomputing Frontiers and Innovations                                                                                                            | 2024 | 10.14529/jsfi240404                  |
| A quadratic-order problem kernel for the traveling salesman problem parameterized by the vertex cover number                                                                             | Operations Research Letters                                                                                                                         | 2024 | 10.1016/j.orl.2024.107065            |
| DeepPavlov 1.0: Your Gateway to Advanced NLP Models Backed by Transformers and Transfer Learning                                                                                         | EMNLP 2024 - 2024 Conference on Empirical Methods in Natural Language Processing, Proceedings of System Demonstrations                              | 2024 |                                      |
| Mastering Long-Context Multi-Task Reasoning with Transformers and Recurrent Memory                                                                                                       | Optical Memory and Neural Networks (Information Optics)                                                                                             | 2024 | 10.3103/S1060992X24700735            |
| Tumor growth factors sensibilise cells for vaccinia virus infection                                                                                                                      | FEBS OPEN BIO                                                                                                                                       | 2024 |                                      |
| On the factorization method for the quantum statistical description of dynamics of an isolated spin system                                                                               | Theoretical and Mathematical Physics(Russian Federation)                                                                                            | 2024 | 10.1134/S0040577924030061            |

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| Numerical Modeling of Marine Seismology in the Arctic Region During Deposit Dissolution due to Oil Migration           | Supercomputing Frontiers and Innovations                                                                                             | 2024 | 10.14529/jsfi240403           |
| Analysis of the Stock Market Crisis Based on Mean Field Games Concept                                                  | Lobachevskii Journal of Mathematics                                                                                                  | 2024 | 10.1134/S1995080224010311     |
| Training of Binary Neural Network Models using Continuous Approximation                                                | Proceedings of SPIE - The International Society for Optical Engineering                                                              | 2024 | 10.1117/12.3023264            |
| Vectorized Visibility Graph Planning with Neural Polygon Extraction                                                    | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2024 | 10.1007/978-3-031-71360-6_20  |
| Leveraging Single and Multi-task Reinforcement Learning Algorithms for Autonomous Mobile Aloha Robot                   | Lecture Notes in Networks and Systems                                                                                                | 2024 | 10.1007/978-3-031-77688-5_42  |
| Label Attention Network for Temporal Sets Prediction: You Were Looking at a Wrong Self-Attention                       | Frontiers in Artificial Intelligence and Applications                                                                                | 2024 | 10.3233/FAIA241076            |
| Influence of the gas-liquid non-equilibrium media structure on the mass transfer dynamics in biophysical processes     | Smart Materials and Structures                                                                                                       | 2024 | 10.1088/1361-665X/ad10be      |
| DeepPavlov at SemEval-2024 Task 8: Leveraging Transfer Learning for Detecting Boundaries of Machine-Generated Texts    |                                                                                                                                      | 2024 |                               |
| Interpreting Decision Process in Offline Reinforcement Learning for Interactive Recommendation Systems                 | Communications in Computer and Information Science                                                                                   | 2024 | 10.1007/978-981-99-8138-0_22  |
| Оценка успешности воспроизведения океанографических полей в ретроспективных прогнозах по модели земной системы INM-CM5 | Метеорология и гидрология                                                                                                            | 2024 |                               |
| An Ultra-lightweight Approach for Machine Readable Zone Detection via Semantic Segmentation and Fast Hough Transform   | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2024 | 10.1007/978-3-031-70546-5_21  |
| A Study of Graph Neural Networks for Link Prediction on Vulnerability to Membership Attacks                            | Journal of Mathematical Sciences (United States)                                                                                     | 2024 | 10.1007/s10958-024-07429-x    |
| Uncertainty-based quantization method for stable training of binary neural networks                                    | Computer Optics                                                                                                                      | 2024 | 10.18287/2412-6179-CO-1427    |
| Learning Hidden Markov Model of Stochastic Environment with Bio-inspired Probabilistic Temporal Memory                 | Studies in Computational Intelligence                                                                                                | 2024 | 10.1007/978-3-031-50381-8_33  |
| Quantization Method for Bipolar Morphological Neural Networks                                                          | Proceedings of SPIE - The International Society for Optical Engineering                                                              | 2024 | 10.1117/12.3023272            |
| Simulation of climate changes in Northern Eurasia by two versions of the INM RAS Earth system model                    | Climate Dynamics                                                                                                                     | 2024 | 10.1007/s00382-024-07306-y    |
| Numerical Investigation of the Steel Ball-Ice Plate Low-Speed Collision                                                | Radioelektronika, Nanosistemy, Informacionnye Tehnologii                                                                             | 2024 | 10.17725/j.rensit.2024.16.291 |

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| Sales Forecasting Models: Comparison between ARIMA, LSTM and Prophet                                                            | Journal of Computer Science                                                                                          | 2024 | 10.3844/jcssp.2024.1222.1230       |
| Начала законодательства для автономных систем искусственного интеллекта                                                         | Надежность                                                                                                           | 2024 |                                    |
| Optimized Recovery of the Frequency of Repetition of a Satellite Quantum Signal                                                 | Bulletin of the Russian Academy of Sciences: Physics                                                                 | 2024 | 10.1134/S1062873824706871          |
| Learning Velocity Model for Complex Media with Deep Convolutional Neural Networks                                               | Lobachevskii Journal of Mathematics                                                                                  | 2024 | 10.1134/S1995080224010499          |
| Search for Near-Duplicate Handwritten Documents for Data-Intensive Applications                                                 | Journal of Computer and Systems Sciences International                                                               | 2024 | 10.1134/S1064230724700503          |
| MST - : A Modification of MST++ for Narrow Domain Hyperspectral Reconstruction                                                  | 2024 IEEE International Conference on Acoustics, Speech, and Signal Processing Workshops, ICASSPW 2024 - Proceedings | 2024 | 10.1109/ICASSPW62465.2024.10626273 |
| Model-based Policy Optimization using Symbolic World Model                                                                      | IEEE International Conference on Intelligent Robots and Systems                                                      | 2024 | 10.1109/IROS58592.2024.10801405    |
| Beyond Attention: Breaking the Limits of Transformer Context Length with Recurrent Memory                                       | AAAI CONF ARTIF INTE                                                                                                 | 2024 |                                    |
| Influence of Activator Concentration on the Spectral-Luminescence and Scintillation Properties of YAG:Ce Crystals               | Crystallography Reports                                                                                              | 2024 | 10.1134/S1063774524600054          |
| Investigation of Wave Phenomena in the Offshore Areas of the Arctic Region in the Process of the Seismic Survey                 | Lobachevskii Journal of Mathematics                                                                                  | 2024 | 10.1134/S1995080224010189          |
| The greedy algorithm for the Shortest Common Superstring problem is a 1/2-approximation in terms of compression: a simple proof | Simplicity in Algori                                                                                                 | 2024 |                                    |
| Алгоритм улучшения согласованности структурной интероперабельности                                                              | Надежность                                                                                                           | 2024 |                                    |
| О методе факторизации при квантово-статистическом описании динамики изолированной спин-системы                                  | Теоретическая и математическая физика                                                                                | 2024 |                                    |
| Simulation of modern and future climate by INM-CM6M                                                                             | Russian Journal of Numerical Analysis and Mathematical Modelling                                                     | 2024 | 10.1515/rnam-2024-0028             |
| ФИЗИЧЕСКОЕ И ЧИСЛЕННОЕ МОДЕЛИРОВАНИЕ НЕУПРУГИХ ДЕФОРМАЦИЙ ПРИ УДАРЕ ПО ЛЕДЯНОМУ ДИСКУ СФЕРИЧЕСКИМ ИНДЕНТОРОМ                    | Процессы в геосредах                                                                                                 | 2024 |                                    |
| The greedy algorithm for the Shortest Common Superstring problem is a 21-approximation in terms of compression: a simple proof  | 2024 Symposium on Simplicity in Algorithms, SOSA 2024                                                                | 2024 |                                    |
| Tuning-Free Discriminative Nearest Neighbor Few-Shot Intent Detection via Consecutive Knowledge Transfer                        | Communications in Computer and Information Science                                                                   | 2024 | 10.1007/978-3-031-67008-4_8        |

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| Detecting Braess paradox in the stable dynamic model; [Идентификация парадокса Браесса в модели стабильной динамики]                                                                                                                                                             | Computer Research and Modeling                                                                 | 2024 | 10.20537/2076-7633-2024-16-1-35-51 |
| Spectral Filters Design for a Better Hyperspectral Reconstruction                                                                                                                                                                                                                | Proceedings of SPIE - The International Society for Optical Engineering                        | 2024 | 10.1117/12.3023577                 |
| Investigation of the Predictability of the Arctic Stratospheric Polar Vortex Variability in the INMCM5 Seasonal Predictions                                                                                                                                                      | Russian Meteorology and Hydrology                                                              | 2024 | 10.3103/S1068373924080053          |
| ВЛИЯНИЕ КОНЦЕНТРАЦИИ АКТИВАТОРА НА СПЕКТРАЛЬНО-ЛЮМИНЕСЦЕНТНЫЕ И СЦИНТИЛЛЯЦИОННЫЕ ХАРАКТЕРИСТИКИ КРИСТАЛЛОВ ИАГ:Ce                                                                                                                                                                | Кристаллография                                                                                | 2024 |                                    |
| Assessment of the Reproducibility of Oceanographic Fields in Retrospective Forecasts Using the INM-CM5 Earth System Model                                                                                                                                                        | Russian Meteorology and Hydrology                                                              | 2024 | 10.3103/S1068373924030014          |
| SmurfCat at SemEval-2024 Task 6: Leveraging Synthetic Data for Hallucination Detection                                                                                                                                                                                           | SemEval 2024 - 18th International Workshop on Semantic Evaluation, Proceedings of the Workshop | 2024 |                                    |
| Long-term investment optimization based on Markowitz diversification                                                                                                                                                                                                             | Business Informatics                                                                           | 2024 | 10.17323/2587-814X.2024.3.56.69    |
| FARA: Fast and Accurate RFDoc Descriptor Approximation                                                                                                                                                                                                                           | Proceedings of SPIE - The International Society for Optical Engineering                        | 2024 | 10.1117/12.3023417                 |
| Application of Elastoplastic Model to the Simulation of the Low-Speed Impact on an Ice Plate                                                                                                                                                                                     | Communications in Computer and Information Science                                             | 2024 | 10.1007/978-3-031-52470-7_2        |
| PREDICTING THE RISK OF DEVELOPING DRUG-INDUCED LIVER INJURY DURING REMDESIVIR THERAPY IN COVID-19 PATIENTS USING MACHINE LEARNING; [ПРОГНОЗИРОВАНИЕ РИСКА РАЗВИТИЯ ЛЕКАРСТВЕННОГО ПОРАЖЕНИЯ ПЕЧЕНИ ПРИ ТЕРАПИИ РЕМДЕСИВИРОМ У ПАЦИЕНТОВ С COVID-19 С ПОМОЩЬЮ МАШИННОГО ОБУЧЕНИЯ] | Acta Biomedica Scientifica                                                                     | 2024 | 10.29413/ABS.2024-9.6.6            |
| Linear Transformers with Learnable Kernel Functions are Better In-Context Models                                                                                                                                                                                                 | Proceedings of the Annual Meeting of the Association for Computational Linguistics             | 2024 | 10.18653/v1/2024.acl-long.518      |
| Estimation of QTT Ranks of Regular Functions on a Uniform Square Grid                                                                                                                                                                                                            | Computational Mathematics and Mathematical Physics                                             | 2024 | 10.1134/S0965542524020143          |
| ИССЛЕДОВАНИЕ РЕОЛОГИИ ЛЬДА НА ОСНОВЕ ЧИСЛЕННОГО МОДЕЛИРОВАНИЯ МЕДЛЕННОГО УДАРА                                                                                                                                                                                                   | Доклады Российской академии наук. Физика, технические науки                                    | 2024 |                                    |
| Применение методов машинного обучения в эксперименте Байкал-GVD                                                                                                                                                                                                                  | Ядерная физика и инжиниринг                                                                    | 2024 |                                    |
| MAXIMUM NUMBER OF SYMMETRIC EXTENSIONS IN RANDOM GRAPHS                                                                                                                                                                                                                          | SIAM J DISCRETE MATH                                                                           | 2024 |                                    |
| Measure of the Banach Limit on                                                                                                                                                                                                                                                   | Lobachevskii Journal of Mathematics                                                            | 2024 | 10.1134/S1995080224603138          |

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| Revisiting BPR: A Replicability Study of a Common Recommender System Baseline                                                                                                              | RecSys 2024 - Proceedings of the 18th ACM Conference on Recommender Systems | 2024 | 10.1145/3640457.3688073              |
| Image-based second opinion for blood typing                                                                                                                                                | Health Information Science and Systems                                      | 2024 | 10.1007/s13755-024-00289-4           |
| Fabry-Pérot laser diode spectrum switching by controllable self-injection locking to a high-quality-factor optical microresonator                                                          | Optics Continuum                                                            | 2024 | 10.1364/OPTCON.523724                |
| Magnetic relaxation between ferromagnetic and helix spin configurations in holmium films                                                                                                   | Journal of Physics D: Applied Physics                                       | 2024 | 10.1088/1361-6463/ad5b02             |
| Dyakonov surface waves in a thin interfacial waveguide formed by negatively anisotropic dielectrics                                                                                        | Optics Letters                                                              | 2024 | 10.1364/OL.524964                    |
| Transfer of Electronic Excitation Energy in Nanoclusters of Colloidal InP/ZnS Quantum Dots Doped with Manganese Ions                                                                       | High Energy Chemistry                                                       | 2024 | 10.1134/S0018143924700620            |
| Multifunctional Setup for Demonstration Experiments on the Physics and Technology of Electron-Beam Plasma                                                                                  | Instruments and Experimental Techniques                                     | 2024 | 10.1134/S0020441224700088            |
| 1D Iodine Formed Inside a Pre-Oriented Matrix of Carbon Nanotubes                                                                                                                          | Journal of Structural Chemistry                                             | 2024 | 10.1134/S0022476624020161            |
| Synthesis and Study of Manganese-Substituted Barium Hexaferrite BaFe <sub>12</sub> -xMnxO <sub>19</sub>                                                                                    | Journal of Structural Chemistry                                             | 2024 | 10.1134/S0022476624090063            |
| Структура 2,3,5,6-тетраиод-1,4-бензолдикарбоновой кислоты и особенности термолита иодированных терефталевых кислот                                                                         | Журнал структурной химии                                                    | 2024 |                                      |
| RecA-dependent or independent recombination of plasmid DNA generates a conflict with the host EcoKI immunity by launching restriction alleviation                                          | Nucleic Acids Research                                                      | 2024 | 10.1093/nar/gkae243                  |
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| Solid-State Processing of Nascent Disentangled UHMWPE Reactor Powders Mixed with Carbon Nanoparticles                                                                                      | Macromolecular Symposia                                                     | 2024 | 10.1002/masy.202400008               |
| Erratum to: Rational Design of Drugs Targeting G-Protein-Coupled Receptors: A Structural Biology Perspective (Biochemistry (Moscow), (2024), 89, 4, (747-764), 10.1134/S0006297924040138)  | Biochemistry (Moscow)                                                       | 2024 | 10.1134/S0006297924060142            |
| МНОГОФУНКЦИОНАЛЬНАЯ УСТАНОВКА ДЛЯ ДЕМОНСТРАЦИОННЫХ ЭКСПЕРИМЕНТОВ ПО ФИЗИКЕ И ТЕХНИКЕ ЭЛЕКТРОННО-ПУЧКОВОЙ ПЛАЗМЫ                                                                            | Приборы и техника эксперимента                                              | 2024 |                                      |
| СРАВНИТЕЛЬНЫЙ АНАЛИЗ ФАЗОВОГО СОСТАВА И ТЕРМОСТОЙКОСТИ ПОРШНЕВОГО СИЛУМИНА И ЭКСПЕРИМЕНТАЛЬНОГО СПЛАВА Al <sub>4</sub> Cu <sub>2</sub> MnO <sub>5</sub> CaO <sub>2</sub> Zr (масс. %)      | Металлург                                                                   | 2024 |                                      |
| Impact of the Zn/Ni concentration on crystal structure and magnetic properties of the Co <sub>0.3</sub> Zn <sub>0.7</sub> -xNiFe <sub>2</sub> O <sub>4</sub> (0 ≤ x ≤ 0.7) spinel ferrites | Journal of Magnetism and Magnetic Materials                                 | 2024 | 10.1016/j.jmmm.2024.172344           |

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| Highly efficient, powerful Nd:YAG laser CW mode-locked with a monolayer CVD graphene saturable absorber mirror                                                                                                                        | Journal of the Optical Society of America B: Optical Physics        | 2024 | 10.1364/JOSAB.514747                 |
| Rapid synthesis of CVD graphene with controllable charge carrier mobility                                                                                                                                                             | Carbon Trends                                                       | 2024 | 10.1016/j.cartre.2024.100349         |
| Synthesis of PbS colloidal quantum dots in the presence of N, N'-diphenylthiourea: influence of chain length of the coordinating amine                                                                                                | Journal of Nanoparticle Research                                    | 2024 | 10.1007/s11051-024-06066-4           |
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| Synthesis, thermal X-ray, neutron diffraction, Mössbauer spectroscopy and magnetic properties investigation of Al doped barium hexaferrite BaFe <sub>11</sub> AlO <sub>19</sub>                                                       | Journal of Magnetism and Magnetic Materials                         | 2024 | 10.1016/j.jmmm.2024.172229           |
| Matrix-assisted laser desorption/ionization matrix incorporation evaluation algorithm for improved peak coverage and signal-to-noise ratio in mass spectrometry imaging                                                               | Rapid Communications in Mass Spectrometry                           | 2024 | 10.1002/rcm.9830                     |
| The Acute Kidney Injury Induced by Cisplatin in Mice is Exacerbated by the Conditioned Medium Derived from the Cultivation of Mesenchymal Stem Cells under Hypoxic Conditions                                                         | Current Stem Cell Research and Therapy                              | 2024 | 10.2174/011574888X321387240909111413 |
| COMPARISON OF LIPID ALTERATIONS IN ASTROCYTOMAS WITH INCREASING GRADE                                                                                                                                                                 | B RUSS STATE MED U                                                  | 2024 |                                      |
| Precision medicine in oncology: role and prospects of mass spectrometry                                                                                                                                                               | BYULLETEN SIB MED                                                   | 2024 |                                      |
| Neomorphic IDH Heterodimer Mutants: An Underestimated Point in Cancer Pathogenesis                                                                                                                                                    | CURR CANCER DRUG TAR                                                | 2024 |                                      |
| DETERMINING OPTIMAL AMBIENT IONIZATION MASS SPECTROMETRY DATA PRE-PROCESSING PARAMETERS IN NEUROSURGERY; [ОПРЕДЕЛЕНИЕ ОПТИМАЛЬНЫХ ПАРАМЕТРОВ ПРЕДВАРИТЕЛЬНОЙ ОБРАБОТКИ ДАННЫХ МАСС-СПЕКТРОМЕТРИИ С ПРЯМОЙ ИОНИЗАЦИЕЙ В НЕЙРОХИРУРГИИ] | Bulletin of Russian State Medical University                        | 2024 | 10.24075/brsmu.2024.013              |
| Состояние слухового анализатора на фоне акустической травмы. Экспериментальное исследование                                                                                                                                           | Российская оториноларингология                                      | 2024 |                                      |

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| Production of eukaryotic heliorhodopsins for structural analysis utilizing the LEXSY expression system                                                                                                                                                                                                                                                                           | International Journal of Biological Macromolecules     | 2024 | 10.1016/j.ijbiomac.2024.137324       |
| Molecular Biomarkers in Cholangiocarcinoma: Focus on Bile                                                                                                                                                                                                                                                                                                                        | Current Topics in Medicinal Chemistry                  | 2024 | 10.2174/0115680266290367240130054142 |
| Dynamics of Oxidative Stress Indices and Endogenous Factors of Vascular Regulation in Patients with Non-Traumatic Subarachnoid Hemorrhage Due to Rupture of Cerebral Aneurysms; [Динамика показателей окислительного стресса и эндогенных факторов сосудистой регуляции у больных при нетравматическом субарахноидальном кровоизлиянии вследствие разрыва церебральных аневризм] | Russian Sklifosovsky Journal of Emergency Medical Care | 2024 | 10.23934/2223-9022-2024-13-4-562-569 |
| Comparison of Mass Spectral Characteristics Using Statistical Analysis Methods for the Case of Electron Ionization of Organic Molecules at Different Electron Energies                                                                                                                                                                                                           | High Energy Chemistry                                  | 2024 | 10.1134/S0018143924700656            |
| Rational Design of Drugs Targeting G-Protein-Coupled Receptors: Ligand Search and Screening                                                                                                                                                                                                                                                                                      | Biochemistry (Moscow)                                  | 2024 | 10.1134/S0006297924050158            |
| Effect of 10 MeV electron irradiation on structural and magnetic properties of Ti- and Al- substituted strontium hexaferrite SrFe <sub>11.3</sub> Ti <sub>0.4</sub> Al <sub>0.3</sub> O <sub>19</sub>                                                                                                                                                                            | Journal of Alloys and Compounds                        | 2024 | 10.1016/j.jallcom.2024.176672        |
| Crystal structure of the GDP-bound GTPase Era from Staphylococcus aureus                                                                                                                                                                                                                                                                                                         | Biochemical and Biophysical Research Communications    | 2024 | 10.1016/j.bbrc.2024.150852           |
| Изменение свойств пленок дихалькогенидов переходных металлов на различных стадиях их формирования в процессе химического газофазного осаждения                                                                                                                                                                                                                                   | Журнал экспериментальной и теоретической физики        | 2024 |                                      |
| Study of the Effect of Synthesis Parameters on the Phase Formation Conditions for Indium, Gallium, and Zinc Oxides                                                                                                                                                                                                                                                               | Journal of Structural Chemistry                        | 2024 | 10.1134/S0022476624120060            |
| СИНТЕЗ И СТРУКТУРА ГЕКСАФЕРРИТА БАРИЯ BaFe <sub>12-x</sub> In <sub>x</sub> O <sub>19</sub> ( <i>x</i> = 0-1)                                                                                                                                                                                                                                                                     | Журнал общей химии                                     | 2024 |                                      |
| Implicitly normalized forecaster with clipping for linear and non-linear heavy-tailed multi-armed bandits                                                                                                                                                                                                                                                                        | Computational Management Science                       | 2024 | 10.1007/s10287-023-00500-z           |
| БЕЛОК ЭПИТЕЛИЯ ЧЕЛОВЕКА SLURP-2 КАК ПРОТОТИП РАНОЗАЖИВЛЯЮЩИХ ПРЕПАРАТОВ                                                                                                                                                                                                                                                                                                          | Биоорганическая химия                                  | 2024 |                                      |
| Henlea earthworm bioluminescence comprises violet-blue BRET from tryptophan 2-carboxylate to deazaflavin cofactor                                                                                                                                                                                                                                                                | Biochemical and Biophysical Research Communications    | 2024 | 10.1016/j.bbrc.2024.149787           |

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| Optimal step length for the maximal decrease of a self-concordant function by the Newton method                                                                    | OPTIM LETT                                         | 2024 |                               |
| Numerical Methods for Variational Inequalities and Saddle Point Problems with Relative Inexact Information                                                         | Communications in Computer and Information Science | 2024 | 10.1007/978-3-031-73365-9_2   |
| Decentralized saddle point problems via non-Euclidean mirror prox                                                                                                  | Optimization Methods and Software                  | 2024 | 10.1080/10556788.2023.2280062 |
| Decentralized optimization over slowly time-varying graphs: algorithms and lower bounds                                                                            | Computational Management Science                   | 2024 | 10.1007/s10287-023-00489-5    |
| HUMAN TOXIN-LIKE SLURP-1 PROTEIN AS A PROTOTYPE OF ANTICANCER DRUGS: MOLECULAR MECHANISMS OF ACTION IN VIVO                                                        | TOXICON                                            | 2024 |                               |
| Convex-Concave Interpolation and Application of PEP to the Bilinear-Coupled Saddle Point Problem                                                                   | Russian Journal of Nonlinear Dynamics              | 2024 | 10.20537/nd241215             |
| Accelerated Zero-Order SGD under High-Order Smoothness and Overparameterized Regime                                                                                | Russian Journal of Nonlinear Dynamics              | 2024 | 10.20537/nd241209             |
| Decentralized saddle-point problems with different constants of strong convexity and strong concavity                                                              | Computational Management Science                   | 2024 | 10.1007/s10287-023-00485-9    |
| Universal methods for variational inequalities: Deterministic and stochastic cases                                                                                 | Chaos, Solitons and Fractals                       | 2024 | 10.1016/j.chaos.2024.115418   |
| Numerical Range and a Generalization of Duffin's Overdamping Criterion                                                                                             | Computational Mathematics and Mathematical Physics | 2024 | 10.1134/S0965542524700015     |
| Method with batching for stochastic finite-sum variational inequalities in non-Euclidean setting                                                                   | Chaos, Solitons and Fractals                       | 2024 | 10.1016/j.chaos.2024.115396   |
| Dimerization of the $\beta$ -Hairpin Membrane-Active Cationic Antimicrobial Peptide Capitellacin from Marine Polychaeta: An NMR Structural and Thermodynamic Study | Biomolecules                                       | 2024 | 10.3390/biom14030332          |
| GPU-accelerated Kendall distance computation for large or sparse data                                                                                              | GigaScience                                        | 2024 | 10.1093/gigascience/giae088   |
| Effect of the chemical substitution on structural parameters and microwave properties of the Co–Ni–Zn spinels                                                      | Journal of Materials Research and Technology       | 2024 | 10.1016/j.jmrt.2024.09.055    |
| Synthesis, Structure, and Properties of Hexaferrites of the BaFe <sub>12</sub> –xCr <sub>x</sub> O <sub>19</sub> System                                            | Russian Journal of General Chemistry               | 2024 | 10.1134/S1070363224010158     |
| Indium–Gallium–Zinc Oxide: Influence of the Complexing Agent on the Structure                                                                                      | Journal of Structural Chemistry                    | 2024 | 10.1134/S0022476624100111     |
| Advanced applications of Nanodiscs-based platforms for antibodies discovery                                                                                        | Biophysical Chemistry                              | 2024 | 10.1016/j.bpc.2024.107290     |
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| Femtosecond Cr <sup>2+</sup> :ZnSe Laser with Mode-Locking Based on Carbon Nanotubes                                                                                            | Bulletin of the Lebedev Physics Institute                                                                   | 2024 | 10.3103/S1068335624600529          |
| Photosensors based on colloidal quantum dots                                                                                                                                    | Russian Chemical Reviews                                                                                    | 2024 | 10.59761/RCR5113                   |
| Monitoring GPCR conformation with GFP-inspired dyes                                                                                                                             | iScience                                                                                                    | 2024 | 10.1016/j.isci.2024.110466         |
| Effect of chromium Cr <sup>3+</sup> substitution in BaFe <sub>12-x</sub> CrxO <sub>19</sub> barium ferrites on the temperature dependences of the initial magnetic permeability | Ceramics International                                                                                      | 2024 | 10.1016/j.ceramint.2024.08.422     |
| ScATAC-seq preprocessing and imputation evaluation system for visualization, clustering and digital footprinting                                                                | Briefings in Bioinformatics                                                                                 | 2024 | 10.1093/bib/bbad447                |
| Влияние замещения железа алюминием и титаном на структуру и свойства гексаферрита бария                                                                                         | Журнал структурной химии                                                                                    | 2024 |                                    |
| Синтез и исследование замещенного марганцем гексаферрита бария BaFe <sub>12-x</sub> Mn <sub>x</sub> O <sub>19</sub>                                                             | Журнал структурной химии                                                                                    | 2024 |                                    |
| Self – assembled aligned single – walled carbon nanotubes as an anisotropic polarizer and saturable absorber in erbium-doped femtosecond fiber laser                            | Carbon                                                                                                      | 2024 | 10.1016/j.carbon.2024.119672       |
| О новом методе выбора шага численного интегрирования орбит с полутеневыми участками                                                                                             | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2024 |                                    |
| Numerical simulation of image formation in an optical device in the problem of space monitoring                                                                                 | Journal of Physics: Conference Series                                                                       | 2024 | 10.1088/1742-6596/2701/1/012035    |
| Eccentricity and inclination of massive planets inside low-density cavities: Results of 3D simulations                                                                          | Monthly Notices of the Royal Astronomical Society                                                           | 2024 | 10.1093/mnras/stae1658             |
| DETERMINING OPTIMAL AMBIENT IONIZATION MASS SPECTROMETRY DATA PRE-PROCESSING PARAMETERS IN NEUROSURGERY                                                                         | B RUSS STATE MED U                                                                                          | 2024 |                                    |
| FIBER-OPTICS CURRENT SENSOR CONCEPT FOR THE T-15MD TOKAMAK; [КОНЦЕПЦИЯ ОПТОВОЛОКОННОГО ДАТЧИКА ТОКА ДЛЯ ТОКАМАКА Т-15МД]                                                        | Problems of Atomic Science and Technology, Series Thermonuclear Fusion                                      | 2024 | 10.21517/0202-3822-2024-47-3-25-35 |
| Generation of triangular pulse trains in normal-dispersion photonic crystal microresonators                                                                                     | Physical Review A                                                                                           | 2024 | 10.1103/PhysRevA.110.063526        |
| Delayed fluorescence of InP:Mn/ZnS nanocrystals                                                                                                                                 | Journal of Photochemistry and Photobiology A: Chemistry                                                     | 2024 | 10.1016/j.jphotochem.2023.115298   |
| Hall effect analysis of boron and nitrogen background concentration in undoped CVD diamond                                                                                      | Applied Physics Letters                                                                                     | 2024 | 10.1063/5.0197107                  |

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| Development of solid-state composite cathode material for solid-state lithium-ion batteries based on lithium ferrophosphate LiFePO <sub>4</sub> ; [Разработка твердотельного композитного катодного материала для твердотельных литий-ионных аккумуляторов на основе феррофосфата лития LiFePO <sub>4</sub> ] | St. Petersburg State Polytechnical University Journal: Physics and Mathematics | 2024 | 10.18721/JPM.173.209            |
| INTERPLANAR DISTANCES IN DIAMOND DEFORMED AS A RESULT OF MECHANOCHEMICAL TREATMENT; [МЕЖПЛОСКОСТНЫЕ РАССТОЯНИЯ В АЛМАЗЕ, ДЕФОРМИРОВАННОМ В РЕЗУЛЬТАТЕ МЕХАНОХИМИЧЕСКОЙ ОБРАБОТКИ]                                                                                                                             | ChemChemTech                                                                   | 2024 | 10.6060/ivkkt.20246710.2y       |
| Synthesis and properties of mercury selenide colloidal quantum dots, prepared with the new selenium precursor based on Decene-1; [Синтез и свойства коллоидных квантовых точек селенида ртути, полученных с использованием нового прекурсора селена на основе децена-1]                                       | Applied Physics                                                                | 2024 | 10.51368/1996-0948-2024-1-43-50 |
| Structural studies of mononuclear yttrium and lutetium complexes bearing anthracenide and polyphenyl-substituted cyclopentadienyl ligands                                                                                                                                                                     | Structural Chemistry                                                           | 2024 | 10.1007/s11224-023-02264-3      |
| Машинно-обучаемый потенциал для моделирования зарождения алмазной фазы в разориентированном бислойном графене                                                                                                                                                                                                 | Журнал структурной химии                                                       | 2024 |                                 |
| Радиочастотная метка на основе трансформатора импеданса и целевой линии передачи                                                                                                                                                                                                                              | Нано- и микросистемная техника                                                 | 2024 |                                 |
| Diamond-based HBAR as a high-pressure sensor                                                                                                                                                                                                                                                                  | Ultrasonics                                                                    | 2024 | 10.1016/j.ultras.2024.107380    |
| Synthesis of Quinoline-based New Organic Chemosensors and its Application in Fluorophoric Detection of Metal-ions in Environmental Samples and Confirmation of Results using Molecular Modelling: A Complete Study                                                                                            | Asian Journal of Chemistry                                                     | 2024 | 10.14233/ajchem.2024.31322      |
| High-temperature multi-vacancy mediated diffusion of nitrogen in diamond: MD simulations and mid-IR laser experiments                                                                                                                                                                                         | Diamond and Related Materials                                                  | 2024 | 10.1016/j.diamond.2024.111427   |
| Luminescent Composite Films Based on Mechanically Strong Ladder-like Polyphenylsilsesquioxane and Oligophenyleuropiumsiloхane                                                                                                                                                                                 | Chinese Journal of Polymer Science (English Edition)                           | 2024 | 10.1007/s10118-024-3190-9       |
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| Giant Electromechanical Effect in Piezoelectric Nanomembranes Based on Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub>                                                                                                                                                                                     | ACS Applied Materials and Interfaces                                           | 2024 | 10.1021/acsami.3c11141          |

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| Studying the Structure and Lifetime of Photogenerated Current Carriers of Cadmium Telluride-Based Solid Solutions in CdTe–Sb2Te3 and CdTe–CdSb Systems                                                             | High Energy Chemistry                                                          | 2024 | 10.1134/S0018143924020048        |
| Polytypes and twins in new boron-rich chalcogenides B6S and B6Se synthesized at high pressure                                                                                                                      | Solid State Communications                                                     | 2024 | 10.1016/j.ssc.2024.115613        |
| Метод исследования взаимной ориентации поверхностей пластин, изготовленных из оптически прозрачных материалов                                                                                                      | Наноиндустрия                                                                  | 2024 |                                  |
| Equivalent temperature stabilization of nonlinear-optical crystals                                                                                                                                                 | Optics Letters                                                                 | 2024 | 10.1364/OL.515547                |
| Electrochemical oxidation of furans into 2,5-dimethoxy-2,5-dihydrofurans                                                                                                                                           | Mendeleev Communications                                                       | 2024 | 10.1016/j.mencom.2024.09.033     |
| Photoactive Layers based on ZnO Nanorods Obtained by Hydrothermal Synthesis for Dye-Sensitized Solar Cells                                                                                                         | Russian Journal of Inorganic Chemistry                                         | 2024 | 10.1134/S0036023624600734        |
| Trinuclear Lutetium(III) Cyclopentadienyl Complex with the 2,2'-Bipyridine Dianion                                                                                                                                 | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya            | 2024 | 10.1134/S1070328424600165        |
| Evolution of coercive voltage in a ferroelectric memory cell based on Hf 0.5 Zr 0.5 O 2 during its lifetime                                                                                                        | Physical Review Applied                                                        | 2024 | 10.1103/PhysRevApplied.22.064083 |
| Second-harmonic generation in LiNa5Mo9O30 crystalline sample                                                                                                                                                       | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings            | 2024 | 10.1109/ICLO59702.2024.10623950  |
| Technique for thermal lens measuring using the Gerchberg-Saxton algorithm in high power laser systems                                                                                                              | Journal of the Optical Society of America B: Optical Physics                   | 2024 | 10.1364/JOSAB.509603             |
| Pump–Probe Spectroscopic Study of Charge Carrier Transport Processes in Films of CsPbBr3 Perovskite Colloidal Quantum Dots                                                                                         | High Energy Chemistry                                                          | 2024 | 10.1134/S0018143924700589        |
| Измерение импеданса на промежуточной частоте для СИС-смесителя диапазона 1.1-1.4 mm                                                                                                                                | Физика твердого тела                                                           | 2024 |                                  |
| Control of the nonlinear frequency shift for the spin-transfer nano-oscillator using a bias magnetic field                                                                                                         | Journal of Magnetism and Magnetic Materials                                    | 2024 | 10.1016/j.jmmm.2024.171825       |
| Соль тетраис(гексафторацетилацетоната) диспрозия(III) с 1,1'-диметил-4,4'-бипиридином - новый моноионный магнит                                                                                                    | Известия Академии наук. Серия химическая                                       | 2024 |                                  |
| α-MnO2 with a cryptomelane structure for the non-enzymatic glucose electrooxidation in a neutral medium                                                                                                            | Electrochimica Acta                                                            | 2024 | 10.1016/j.electacta.2024.145267  |
| Каскадное возбуждение люминесценции и генерация второй гармоники в кристаллическом порошке DAST                                                                                                                    | Оптический журнал                                                              | 2024 |                                  |
| Change in the carbon nanotube thin layer refractive index after water and ammonia molecules adsorption; [Изменение показателя преломления тонкого слоя углеродных нанотрубок при адсорбции молекул воды и аммиака] | St. Petersburg State Polytechnical University Journal: Physics and Mathematics | 2024 | 10.18721/JPM.173.113             |

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| Study of the Effect of Zn, Sn, and Pb Additives on the Direct Mechanochemical Synthesis of Tetramethoxysilane in the Presence of CuCl and CuO Catalysts                                        | Industrial and Engineering Chemistry Research                                                               | 2024 | 10.1021/acs.iecr.3c03711        |
| Crystal Growth of LiNa5Mo9O30 Crystals of High Optical Quality                                                                                                                                 | Crystals                                                                                                    | 2024 | 10.3390/cryst14090792           |
| ВЛИЯНИЕ ПРИРОДЫ РАСТВОРИТЕЛЯ НА СПИНОВОЕ РАВНОВЕСИЕ В РАСТВОРАХ ФЕНИЛБОРАТНОГО ГЕКСА- <i>n</i> -БУТИЛСУЛЬФИДНОГО КЛАТРОХЕЛАТА КОБАЛЬТА(II) ПО ДАННЫМ ПАРАМАГНИТНОЙ СПЕКТРОСКОПИИ ЯМР           | Координационная химия                                                                                       | 2024 |                                 |
| Программное обеспечение для обработки спектральных данных методами хемометрики и машинного обучения                                                                                            | Аналитика                                                                                                   | 2024 |                                 |
| ИЗУЧЕНИЕ ВЛИЯНИЯ СТРУКТУРЫ ЭЛИМИНИРУЕМОГО ЛИГАНДА НА СКОРОСТЬ ВОССТАНОВЛЕНИЯ КОМПЛЕКСОВ КОБАЛЬТА(III)                                                                                          | Координационная химия                                                                                       | 2024 |                                 |
| Computational characterization of novel nanostructured materials: A case study of NiCl2                                                                                                        | Computational Materials Science                                                                             | 2024 | 10.1016/j.commatsci.2024.112975 |
| Dimeric vs bidimeric cells for molecular quantum cellular automata composed of oxidized norbornadiene and its polycyclic derivatives                                                           | Journal of Chemical Physics                                                                                 | 2024 | 10.1063/5.0214988               |
| Investigation of the few-mode ytterbium-erbium doped fiber amplifier including effects of ion clustering and secondary energy transfer                                                         | Applied Physics B: Lasers and Optics                                                                        | 2024 | 10.1007/s00340-024-08221-0      |
| Superflexible and Stretchable Ferroelectric Memory on a Biocompatible Platform                                                                                                                 | Advanced Electronic Materials                                                                               | 2024 | 10.1002/aelm.202300449          |
| Analysis of the Deformation Behavior of Materials During Indentation Using Digital Image Processing Methods                                                                                    | Theoretical Foundations of Chemical Engineering                                                             | 2024 | 10.1134/S0040579524601298       |
| INVESTIGATION OF FLUORINATED DOUBLE-WALL CARBON NANOTUBES; [ИССЛЕДОВАНИЕ ФТОРИРОВАННЫХ ДВУСТЕННЫХ УГЛЕРОДНЫХ НАНОТРУБОК]                                                                       | ChemChemTech                                                                                                | 2024 | 10.6060/ivkkt.20246710.4y       |
| Thermal Lens Measurement in LNM with Gerchberg-Saxton Algorithm                                                                                                                                | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                         | 2024 | 10.1109/ICLO59702.2024.10624544 |
| Effect of Structural Differences between Dimethylamine-Substituted Styrene Dyes of the Pyridine and Quinoline Series on Their Second- and Third-Order Nonlinearity in Microcrystalline Powders | Bulletin of the Russian Academy of Sciences: Physics                                                        | 2024 | 10.1134/S1062873824707748       |
| Насыщающийся поглотитель на основе упорядоченных одностенных углеродных нанотрубок                                                                                                             | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2024 |                                 |
| Methods for Dynamics Control of the Optical Properties of Single High-Index All-Dielectric Nanoparticles Located on Substrates with 2D Materials                                               | Lecture Notes in Networks and Systems                                                                       | 2024 | 10.1007/978-3-031-70595-3_34    |

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| Suppression of plasmonic interference in helicity sensitive broadband terahertz detectors                                                                                                                                                        | Carbon Trends                                                                      | 2024 | 10.1016/j.cartre.2024.100331         |
| Measurement of optical absorption coefficient of lithium-sodium molybdate crystals                                                                                                                                                               | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                | 2024 | 10.1109/ICLO59702.2024.10624209      |
| A Theoretical Study on the Mechanism of Small Carbon Clusters Growth in Low-Temperature Plasma                                                                                                                                                   | Plasma Chemistry and Plasma Processing                                             | 2024 | 10.1007/s11090-023-10390-3           |
| Synthesis and research of physical and chemical properties of InGaZn2O5 prepared by nitrate-glycolate gel decomposition method                                                                                                                   | Nanosystems: Physics, Chemistry, Mathematics                                       | 2024 | 10.17586/2220-8054-2024-15-6-806-813 |
| Selective Sensing and Determination of Cu <sup>2+</sup> Ions in Environmental Samples with Newly Prepared Quinoline based Chemosensors and Confirmation of Results using DFT Molecular Modelling                                                 | Asian Journal of Chemistry                                                         | 2024 | 10.14233/ajchem.2024.31456           |
| Spin Pumping from Lu <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub>                                                                                                                                                                                | JETP Letters                                                                       | 2024 | 10.1134/S0021364024600150            |
| Unexpected formation of FeIIFeIII-Fell- and FeIIFeII-Fell-trinuclear hexapyridineoximate helicates: synchrotron single-crystal X-ray structures                                                                                                  | Journal of Coordination Chemistry                                                  | 2024 | 10.1080/00958972.2024.2338528        |
| High-Resolution Patterning of Conductive Microstructures by Electrostatic Deposition of Aerosol Au Nanoparticles through the Dielectric Mask                                                                                                     | Physica Status Solidi - Rapid Research Letters                                     | 2024 | 10.1002/pssr.202300492               |
| Synthesis of 3a,4,6a-triphenylimidazothiazolodione and 2-thioxo-3a,6,6a-triphenylimidazooxazolone in the reaction of 5-hydroxy-1,4,5-triphenyl-1H-imidazol-2(5H)-one with KSCN and AcOH                                                          | Russian Chemical Bulletin                                                          | 2024 | 10.1007/s11172-024-4391-7            |
| Influence of mechanical strains on the antiferromagnetic resonance modes of bulk $\alpha$ -Fe <sub>2</sub> O <sub>3</sub>                                                                                                                        | Applied Physics Letters                                                            | 2024 | 10.1063/5.0189504                    |
| Efficient Charging of Aerosol Nanoparticles by Corona-needle Charger with Improved Design for Printing of Metallic Microstructures                                                                                                               | International Journal of Engineering, Transactions A: Basics                       | 2024 | 10.5829/IJE.2024.37.10A.06           |
| Electroluminescence of new coordination compounds of europium ions with $\beta$ -diketones, acetic and butyric acids; [Электролюминесценция новых координационных соединений ионов европия с $\beta$ -дикетонами, уксусной и масляной кислотами] | Scientific and Technical Journal of Information Technologies, Mechanics and Optics | 2024 | 10.17586/2226-1494-2024-24-4-570-576 |
| Evaluation of the anionic effect on the formation of biologically active {CuII-phenx; x = 1, 2, 3} fragments - Synthetic and structural variations, antimycobacterial and antitubercular effects                                                 | Polyhedron                                                                         | 2024 | 10.1016/j.poly.2024.116852           |
| Adsorption Properties of Individual Gold, Nickel, and Platinum Nanoparticles Deposited onto Silicon Surface                                                                                                                                      | Colloid Journal                                                                    | 2024 | 10.1134/S1061933X24600507            |

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| Synthesis of a Series of Quinoline-Based New Chiral Reagent and its Application in Separation of Racemic Mexiletine followed by Liquid Chromatography and Confirmation of Results Using Molecular Modelling; A Complete Study | Asian Journal of Chemistry                                              | 2024 | 10.14233/ajchem.2024.30926             |
| Synthesis, Structures, and Optical Properties of Semiconductor Perovskite Nanoparticles CsBX <sub>3</sub> (B = Pb, Mn; X = Br, Cl)                                                                                            | Russian Journal of Inorganic Chemistry                                  | 2024 | 10.1134/S0036023624600928              |
| IN SITU STRESS MAPPING DURING SILICON INDENTATION USING RAMAN SPECTROSCOPY; [КАРТОГРАФИРОВАНИЕ НАПРЯЖЕНИЙ IN SITU ПРИ ИНДЕНТИРОВАНИИ КРЕМНИЯ С ИСПОЛЬЗОВАНИЕМ СПЕКТРОСКОПИИ КОМБИНАЦИОННОГО РАССЕЯНИЯ]                        | ChemChemTech                                                            | 2024 | 10.6060/ivkkt.20246710.10y             |
| Restoration of modal composition of radiation reflected from multimode fiber Bragg grating                                                                                                                                    | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings     | 2024 | 10.1109/ICLO59702.2024.10624338        |
| СИНТЕЗ НОВОГО КОМПЛЕКСА КОБАЛЬТА С ДИГИДРОКСИКУМАРИНОМ И ИССЛЕДОВАНИЕ КИНЕТИКИ ЕГО РЕДОКС-АКТИВИРУЕМОЙ ДИССОЦИАЦИИ                                                                                                            | Координационная химия                                                   | 2024 |                                        |
| Catalytic Reductive Recyclization of Functionalized Isoxazoline N-Oxides to Pyrrolizidine-3-ones                                                                                                                              | Journal of Organic Chemistry                                            | 2024 | 10.1021/acs.joc.3c02154                |
| Enhanced stability of SHG in PPLN incorporated in the Pierce oscillator circuit                                                                                                                                               | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings     | 2024 | 10.1109/ICLO59702.2024.10624394        |
| Электролюминесценция новых координационных соединений ионов европия с β-дикетонами, уксусной и масляной кислотами                                                                                                             | Научно-технический вестник информационных технологий, механики и оптики | 2024 |                                        |
| In search of the most thermostable 1,1,1-trinitrocompounds: polynitroethyl-substituted sym-tetrazine and bistriazolotetrazine                                                                                                 | Journal of Thermal Analysis and Calorimetry                             | 2024 | 10.1007/s10973-023-12795-w             |
| A study of traditional and AI-based models for second-order intermodulation product suppression; [Исследование традиционных и ИИ-моделей в задаче подавления интермодуляционных продуктов второго порядка]                    | Computer Research and Modeling                                          | 2024 | 10.20537/2076-7633-2024-16-7-1569-1578 |
| Room for Uncertainty in Remaining Useful Life Estimation for Turbofan Jet Engines                                                                                                                                             | Russian Journal of Nonlinear Dynamics                                   | 2024 | 10.20537/nd241218                      |
| On Quasi-Convex Smooth Optimization Problems by a Comparison Oracle                                                                                                                                                           | Russian Journal of Nonlinear Dynamics                                   | 2024 | 10.20537/nd241211                      |
| Stochastic Frank-Wolfe: Unified Analysis and Zoo of Special Cases                                                                                                                                                             | PR MACH LEARN RES                                                       | 2024 |                                        |
| Controllable magnetic states in chains of coupled $\phi_0$ Josephson junctions with ferromagnetic weak links                                                                                                                  | Physical Review B                                                       | 2024 | 10.1103/PhysRevB.109.054523            |
| Quantum error mitigation in the regime of high noise using deep neural network: Trotterized dynamics                                                                                                                          | Quantum Information Processing                                          | 2024 | 10.1007/s11128-024-04296-y             |
| Gate-controlled proximity effect in superconductor/ferromagnet van der Waals heterostructures                                                                                                                                 | Physical Review Materials                                               | 2024 | 10.1103/PhysRevMaterials.8.104801      |

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| Giant coercive-field ( $H_c$ @ 2 K > 17 T) by freezing of magnetic domains in $BaFe_2(PO_4)_2$                                                                                       | Solid State Sciences                  | 2024 | 10.1016/j.solidstatesciences.2024.107577 |
| Magnetic Eigenmodes in Chains of Coupled $\phi_0$ -Josephson Junctions with Ferromagnetic Weak Links                                                                                 | JETP Letters                          | 2024 | 10.1134/S0021364023604013                |
| Superconducting spin valves based on antiferromagnet/superconductor/antiferromagnet heterostructures                                                                                 | Physical Review B                     | 2024 | 10.1103/PhysRevB.109.184504              |
| Anomalous influence of electrode width on the critical current of Nb/Au Josephson junctions                                                                                          | Superconductor Science and Technology | 2024 | 10.1088/1361-6668/ad9219                 |
| Josephson spin valve controlled by a superconducting trigger effect                                                                                                                  | Applied Physics Letters               | 2024 | 10.1063/5.0220387                        |
| Demonstration of a Josephson vortex-based memory cell with microwave energy-efficient readout                                                                                        | Communications Physics                | 2024 | 10.1038/s42005-024-01570-4               |
| Magnetic proximity effect in superconductor/ferromagnet van der Waals heterostructures: Dependence on the number of superconducting monolayers                                       | Physical Review B                     | 2024 | 10.1103/PhysRevB.110.214503              |
| Andreev bound states at nonmagnetic impurities in superconductor/antiferromagnet heterostructures                                                                                    | Physical Review B                     | 2024 | 10.1103/PhysRevB.109.214508              |
| Spin supercurrent in superconductor/ferromagnet van der Waals heterostructures                                                                                                       | Physical Review B                     | 2024 | 10.1103/PhysRevB.110.104506              |
| Phase diagrams of the diode effect in superconducting heterostructures                                                                                                               | Physica Scripta                       | 2024 | 10.1088/1402-4896/ad1376                 |
| Soft Mode Behavior in Transition Metal Doped $SrTiO_3$ Thin Films on MgO Substrates                                                                                                  | JETP Letters                          | 2024 | 10.1134/S0021364024604561                |
| Suppression of Superconducting Fluctuations in Multiband Superconductors as a Mechanism for Increasing the Critical Temperature (Mini-Review) (Jan, 10.1134/S0021364023603755, 2024) | JETP LETT+                            | 2024 |                                          |
| Voltage-driven dynamics of $\phi_0$ superconductor/ferromagnet/superconductor Josephson junction chains                                                                              | Physical Review B                     | 2024 | 10.1103/PhysRevB.110.134522              |
| Resonant 4f photoelectron diffraction: Insight into Yb compounds                                                                                                                     | Physical Review B                     | 2024 | 10.1103/PhysRevB.109.L241118             |
| Probing surface and bulk ground states of lanthanides: 4f moment orientation through 4d x-ray absorption spectroscopy                                                                | Physical Review B                     | 2024 | 10.1103/PhysRevB.110.075157              |
| Reengineering of a flavin-binding fluorescent protein using ProteinMPNN                                                                                                              | Protein Science                       | 2024 | 10.1002/pro.4958                         |
| Two distinct mechanisms of flavoprotein spectral tuning revealed by low-temperature and time-dependent spectroscopy                                                                  | Protein Science                       | 2024 | 10.1002/pro.4851                         |
| In silico studies of the open form of human tissue transglutaminase                                                                                                                  | Scientific Reports                    | 2024 | 10.1038/s41598-024-66348-8               |

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| Light-Driven Sodium Pump as a Potential Tool for the Control of Seizures in Epilepsy                                                           | Molecular Neurobiology                                                                                                                                                                  | 2024 | 10.1007/s12035-023-03865-z              |
| Small-Angle Scattering Investigation of Colloidal Suspensions with Lamellar Ba Hexaferrite Nanoparticles                                       | Journal of Surface Investigation                                                                                                                                                        | 2024 | 10.1134/S1027451024700393               |
| Structure-based prediction of T cell receptor recognition of unseen epitopes using TCRen                                                       | Nature Computational Science                                                                                                                                                            | 2024 | 10.1038/s43588-024-00653-0              |
| Topological Defects in the Aggregation of C60 Fullerene in an Isotactic Polypropylene Matrix                                                   | Journal of Surface Investigation                                                                                                                                                        | 2024 | 10.1134/S1027451024700678               |
| ArdA Protein Specificity against Type I Restriction-Modification Systems                                                                       | Molekuliarnaia biologii                                                                                                                                                                 | 2024 | 10.31857/S0026898424030107, EDN: JCEPFL |
| Suppression of Superconducting Fluctuations in Multiband Superconductors as a Mechanism for Increasing the Critical Temperature (Brief Review) | JETP Letters                                                                                                                                                                            | 2024 | 10.1134/S0021364023603755               |
| Intracellular microbial rhodopsin-based optogenetics to control metabolism and cell signaling                                                  | Chemical Society Reviews                                                                                                                                                                | 2024 | 10.1039/d3cs00699a                      |
| Methionine gamma lyase fused with S3 domain VGF forms octamers and adheres to tumor cells via binding to EGFR                                  | Biochemical and Biophysical Research Communications                                                                                                                                     | 2024 | 10.1016/j.bbrc.2023.149319              |
| Small-angle X-ray scattering structural insights into alternative pathway of actin oligomerization associated with inactivated state           | Biochemical and Biophysical Research Communications                                                                                                                                     | 2024 | 10.1016/j.bbrc.2023.149340              |
| Emerging complexity in the self-dual theory of superconductivity                                                                               | J PHYS-CONDENS MAT                                                                                                                                                                      | 2024 |                                         |
| Terahertz ferroelectric soft mode in weakly doped SrTiO3: M thin films (M=Mn, Ni, Fe, Co)                                                      | Journal of Alloys and Compounds                                                                                                                                                         | 2024 | 10.1016/j.jallcom.2023.173255           |
| The origin of broadband blue emission in zero-dimensional organic lead iodine perovskites: A first-principles study                            | Journal of Chemical Physics                                                                                                                                                             | 2024 | 10.1063/5.0231090                       |
| Chemical Vapor Deposition Synthesis of Intrinsic High-Temperature Ferroelectric 2D CuCrSe2                                                     | Advanced Materials                                                                                                                                                                      | 2024 | 10.1002/adma.202400655                  |
| Magnetic Dirac semimetal state of (Mn,Ge)Bi2Te4                                                                                                | Communications Physics                                                                                                                                                                  | 2024 | 10.1038/s42005-024-01675-w              |
| Tunable sub-terahertz resonance absorption in high-coercivity magnetodielectric ceramics                                                       | Materials Horizons                                                                                                                                                                      | 2024 | 10.1039/d4mh00389f                      |
| Crystalline germanium high-Q microresonators for mid-IR                                                                                        | Optics Express                                                                                                                                                                          | 2024 | 10.1364/OE.521499                       |
| Generation and Dynamics of Soliton Microcombs in Microring Resonators Pumped by Two Self-Injection-Locked Laser Diodes                         | 16th Pacific Rim Conference on Lasers and Electro-Optics, CLEO-PR 2024                                                                                                                  | 2024 | 10.1109/CLEO-PR60912.2024.10676432      |
| Quantum squeezing in on-chip degenerate optical parametric oscillator microring                                                                | Applications of Lasers for Sensing and Free Space Communications, LS and C 2024 in Proceedings Laser Congress 2024 (ASSL, LAC, LS and C) - Part of Optica Laser Congress and Exhibition | 2024 |                                         |

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| Drifting Platicons in Normal-Dispersion Kerr Microresonators                                                                                                  | Conference on Lasers and Electro-Optics/Pacific Rim, CLEO-PR 2024 in Proceedings 2024 Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR) | 2024 |                                    |
| Tomonaga-Luttinger liquid-Bose-glass phase transition in a system of one-dimensional disordered fermions with pair hoppings                                   | Physical Review B                                                                                                                                   | 2024 | 10.1103/PhysRevB.109.014203        |
| Experimental Study Of Two-Photon Absorption In High-Q Germanium WGM Optical Microresonators At 2.68 $\mu\text{m}$                                             | Conference on Lasers and Electro-Optics/Pacific Rim, CLEO-PR 2024 in Proceedings 2024 Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR) | 2024 |                                    |
| Experimental Study of Two-Photon Absorption in High-Q Germanium WGM Optical Microresonators at 2.68 $\mu\text{m}$                                             | 16th Pacific Rim Conference on Lasers and Electro-Optics, CLEO-PR 2024                                                                              | 2024 | 10.1109/CLEO-PR60912.2024.10676503 |
| Linear and nonlinear optical response of Mie-resonant Si nanoparticles and its modification induced by femtosecond irradiation post-treatment                 | Optical Materials                                                                                                                                   | 2024 | 10.1016/j.optmat.2024.115616       |
| Optimal Conditions for Squeezed States of Light Generation in Bichromatically Pumped Optical Microresonators                                                  | 16th Pacific Rim Conference on Lasers and Electro-Optics, CLEO-PR 2024                                                                              | 2024 | 10.1109/CLEO-PR60912.2024.10676946 |
| Dual-Pumped Degenerate Optical Parametric On-Chip Oscillator                                                                                                  | Conference on Lasers and Electro-Optics/Pacific Rim, CLEO-PR 2024 in Proceedings 2024 Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR) | 2024 |                                    |
| Dyakonov surface modes in an interfacial ring resonator                                                                                                       | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                                                                 | 2024 | 10.1109/ICLO59702.2024.10624016    |
| Stability analysis of platicons in optical microresonators                                                                                                    | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                                                                 | 2024 | 10.1109/ICLO59702.2024.10624556    |
| Fragmentation of stability domains of dark solitons, dark breathers, and drifting solitons at high pump intensities in normal-dispersion Kerr microresonators | Physical Review A                                                                                                                                   | 2024 | 10.1103/PhysRevA.109.033524        |
| Four-wave mixing in a laser diode gain media due to resonant backreflection from the microresonator                                                           | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                                                                 | 2024 | 10.1109/ICLO59702.2024.10624552    |
| Enhanced Drude weight in a one-dimensional system of fermions with pair-hopping events                                                                        | Physical Review B                                                                                                                                   | 2024 | 10.1103/PhysRevB.109.195159        |
| Drifting Platicons in Normal-Dispersion Kerr Microresonators                                                                                                  | 16th Pacific Rim Conference on Lasers and Electro-Optics, CLEO-PR 2024                                                                              | 2024 | 10.1109/CLEO-PR60912.2024.10676929 |
| Theoretical and Experimental Investigation of Oscillations in The Laser Gain Medium                                                                           | Conference on Lasers and Electro-Optics/Pacific Rim, CLEO-PR 2024 in Proceedings 2024 Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR) | 2024 |                                    |
| Influence of wake field inhomogeneity on the vibrational spectra of two dust particles in a plasma with an ion flow                                           | Physics of Plasmas                                                                                                                                  | 2024 | 10.1063/5.0240134                  |
| Spatially inhomogeneous inverse Faraday effect provides tunable nonthermal excitation of exchange dominated spin waves                                        | Nanophotonics                                                                                                                                       | 2024 | 10.1515/nanoph-2023-0626           |

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| Effective Influence of an Electric Current on Brillouin Spectra in the NiFe/IrMn Structure                                                                                                                                                                                                                                                                 | JETP Letters                                                                                                                                        | 2024 | 10.1134/S0021364023603998          |
| ИНТЕГРИРУЕМОСТЬ В ТЕОРИИ СТРУН И М-ТЕОРИИ                                                                                                                                                                                                                                                                                                                  | Пространство, время и фундаментальные взаимодействия                                                                                                | 2024 |                                    |
| Low and high frequency magnetic relaxations as markers of critical phenomena in chiral 2D metal–organic ferrimagnet                                                                                                                                                                                                                                        | Journal of Magnetism and Magnetic Materials                                                                                                         | 2024 | 10.1016/j.jmmm.2024.171811         |
| Optical excitation of multiple standing spin modes in three-dimensional optomagnonic nanocavities                                                                                                                                                                                                                                                          | Physical Review Applied                                                                                                                             | 2024 | 10.1103/PhysRevApplied.21.034017   |
| Anisotropic magnetoresistance probed by non-resonant microwave absorption in exchange-biased NiFe/IrMn structures                                                                                                                                                                                                                                          | Measurement: Journal of the International Measurement Confederation                                                                                 | 2024 | 10.1016/j.measurement.2024.114492  |
| Electrical switching of the light color reflected from a NiFe/IrMn mirror                                                                                                                                                                                                                                                                                  | Physical Review B                                                                                                                                   | 2024 | 10.1103/PhysRevB.109.024433        |
| Variation of color of magnetic noise in Er3+ molecular magnets contacting metal surface in ferromagnetic composite                                                                                                                                                                                                                                         | Applied Surface Science                                                                                                                             | 2024 | 10.1016/j.apsusc.2023.159259       |
| Stable photonic microwave generator based on two semiconductor laser diodes locked to high-Q microring resonator                                                                                                                                                                                                                                           | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                                                                 | 2024 | 10.1109/ICLO59702.2024.10623934    |
| Towards the preparation of single-walled carbon nanotubes with average diameter of 1.2 nm                                                                                                                                                                                                                                                                  | Carbon                                                                                                                                              | 2024 | 10.1016/j.carbon.2024.119059       |
| Magneto-optical epitaxial bismuth-substituted yttrium iron garnet thin films on a diamagnetic substrate for low temperature applications                                                                                                                                                                                                                   | Journal of Magnetism and Magnetic Materials                                                                                                         | 2024 | 10.1016/j.jmmm.2023.171623         |
| Amorphization of PrDy-FeCo-B microwire surface under nanosecond laser pulse                                                                                                                                                                                                                                                                                | Materials Letters                                                                                                                                   | 2024 | 10.1016/j.matlet.2024.137408       |
| Optimal Conditions for Squeezed States of Light Generation in Bichromatically Pumped Optical Microresonators                                                                                                                                                                                                                                               | Conference on Lasers and Electro-Optics/Pacific Rim, CLEO-PR 2024 in Proceedings 2024 Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR) | 2024 |                                    |
| Dual-Pumped Degenerate Optical Parametric On-Chip Oscillator                                                                                                                                                                                                                                                                                               | 16th Pacific Rim Conference on Lasers and Electro-Optics, CLEO-PR 2024                                                                              | 2024 | 10.1109/CLEO-PR60912.2024.10676706 |
| Optimization of degenerate four-wave mixing threshold parameters in dual-pumped microresonator                                                                                                                                                                                                                                                             | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                                                                 | 2024 | 10.1109/ICLO59702.2024.10624071    |
| Corrigendum to “Order wrapped in chaos: On the roles of intrinsically disordered proteins and RNAs in the arrangement of the mitochondrial enzymatic machines” [International Journal of Biomacromolecules, 267(2024), 131,455] (International Journal of Biological Macromolecules (2024) 267(P1), (S0141813024022608), (10.1016/j.ijbiomac.2024.131455)) | International Journal of Biological Macromolecules                                                                                                  | 2024 | 10.1016/j.ijbiomac.2024.132849     |
| luxA Gene From Enhygromyxa salina Encodes a Functional Homodimeric Luciferase                                                                                                                                                                                                                                                                              | Proteins: Structure, Function and Bioinformatics                                                                                                    | 2024 | 10.1002/prot.26739                 |

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| Forecasting the effects of smoking prevalence scenarios on years of life lost and life expectancy from 2022 to 2050: a systematic analysis for the Global Burden of Disease Study 2021                                                                                                                                                                                                                                                                      | The Lancet Public Health                                       | 2024 | 10.1016/S2468-2667(24)00166-X        |
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| “Lost Child” or Vanguard? Linking Fatyanovo Population with Middle Volga Abashevo Culture using Ancient DNA Sequencing Data; [„Copilul uitat” sau avangarda? Cu privire la legătura populației culturilor Fatianovo și Abashevo de pe Volga de Mijloc în lumina datelor secvențierii străvechiului ADN]; [«Забытое дитя» или передовой отряд? О связи населения фатьяновской и средневолжской абашевской культур в свете данных секвенирования древней ДНК] | Stratum Plus                                                   | 2024 | 10.55086/sp242227249                 |
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| On Guard of Christianity: Burial of an Alan Warrior from the Settlement of Nizhny Arkhyz; [На страже христианства: погребение аланского воина с городища Нижний Архыз]                                                                                                            | Istoriya                    | 2024 | 10.18254/S207987840031704-3   |
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| ОДНОМЕРНАЯ МОДЕЛЬ ВЕРТИКАЛЬНОГО ПЕРЕНОСА ХИМИЧЕСКИХ СОСТАВЛЯЮЩИХ В АТМОСФЕРЕ МАРСА ВПЛОТЬ ДО ВЫСОТ ТЕРМОСФЕРЫ                                                                                                       | Астрономический вестник. Исследования Солнечной системы                                         | 2024 |                                 |
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| One-Dimensional Model of Vertical Transport of Chemical Components in the Mars Atmosphere up to the Lower Thermosphere                                                                                                              | Solar System Research                                                          | 2024 | 10.1134/S0038094623700041                 |
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| Synthesis Of Dipyrrolobenzo[1,2-a : 2',1'-c][1,4]diazepine Scaffold Via Three-Component Reaction                                                                                       | Asian Journal of Organic Chemistry                                                                           | 2024 | 10.1002/ajoc.202400010          |
| The short route to chalcogenurea-substituted 3a,6-epoxyisindoles via an intramolecular Diels-Alder furan (IMDAF) reaction. Antibacterial and antifungal activity                       | New Journal of Chemistry                                                                                     | 2024 | 10.1039/d4nj01174k              |
| Characterization of the aerosol contribution to the top-of-atmosphere radiance for satellite ocean color retrievals                                                                    | Applied Optics                                                                                               | 2024 | 10.1364/AO.528718               |
| Forecast of innovative activity in key areas of energy transition technologies based on analysis of patent activity                                                                    | International Journal of Hydrogen Energy                                                                     | 2024 | 10.1016/j.ijhydene.2024.08.375  |
| Эконофизическая модель распространения инноваций: модель Изинга                                                                                                                        | Экономика промышленности                                                                                     | 2024 |                                 |
| Моделирование совместного обслуживания мультисервисного трафика реального времени и эластичного трафика данных в сетях на базе космических аппаратов с высокой пропускной способностью | Информационно-измерительные и управляющие системы                                                            | 2024 |                                 |
| The Problem of Global Energy Flow Management                                                                                                                                           | Proceedings of 2024 17th International Conference on Management of Large-Scale System Development, MLSD 2024 | 2024 | 10.1109/MLSD61779.2024.10739575 |
| Управление свойствами адсорбционных центров при формировании газочувствительных структур смешанных оксидов                                                                             | Известия высших учебных заведений. Электроника                                                               | 2024 |                                 |
| Газовые сенсоры на основе наноструктур двойных и тройных оксидных систем                                                                                                               | Известия высших учебных заведений России. Радиоэлектроника                                                   | 2024 |                                 |
| Nanoisland SERS-Substrates for Specific Detection and Quantification of Influenza A Virus                                                                                              | Biosensors                                                                                                   | 2024 | 10.3390/bios14010020            |
| Неупорядоченная лазерная генерация в нанокристаллах ZnO, выращенных гидротермальным методом                                                                                            | Физика твердого тела                                                                                         | 2024 |                                 |
| Построение мультисервисной платформы спутниковой связи на основе решений для сетей передачи данных стандарта LTE (3GPP)                                                                | Успехи современной радиоэлектроники                                                                          | 2024 |                                 |
| Модель резервирования канального ресурса при обслуживании разнородного трафика в сети маломощных мобильных абонентских терминалов на базе KA с высокой пропускной способностью         | Информационные процессы                                                                                      | 2024 |                                 |
| An application of space-filling curves to improve results of turbulent aerodynamics modeling with convolutional neural networks                                                        | Chinese Journal of Aeronautics                                                                               | 2024 | 10.1016/j.cja.2023.09.003       |

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| Standardization of Blockchain Distributed Ledger Technology: Global Trends, Opportunities and Challenges for Remote Investment Transactions                                        | Intelligent Systems Reference Library                               | 2024 | 10.1007/978-3-031-51536-1_2     |
| Оптические и электрофизические свойства барьерно-диодной гетероструктуры на основе InSb                                                                                            | Прикладная физика                                                   | 2024 |                                 |
| РОЛЬ НЕФЕЛОКСЕТИЧЕСКОГО ЭФФЕКТА ДЛЯ ИОНА $\text{Fe}^{2+}$ В МАТРИЦАХ СЕЛЕНИДА ЦИНКА И ТЕЛЛУРИДА КАДМИЯ                                                                             | Журнал экспериментальной и теоретической физики                     | 2024 |                                 |
| Constructions of Nonbinary Codes Meeting the Johnson Bound                                                                                                                         | Problems of Information Transmission                                | 2024 | 10.1134/S0032946024010022       |
| Thermo-optical effects impact on a compact high-Q Fabry-Perot cavity characteristics                                                                                               | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings | 2024 | 10.1109/ICLO59702.2024.10624265 |
| Correcting a Single Error in an Asymmetric Feedback Channel                                                                                                                        | Problems of Information Transmission                                | 2024 | 10.1134/S0032946024010034       |
| Компьютерное моделирование DDOS-атак на системы непрерывного мониторинга                                                                                                           | Нелинейный мир                                                      | 2024 |                                 |
| Исследование и реализация алгоритма автоматической установки соединения "точка - точка" в системах связи коротковолнового диапазона                                                | Радиотехника                                                        | 2024 |                                 |
| Non-classical correlations of light in the Jaynes-Cummings model                                                                                                                   | Journal of the Optical Society of America B: Optical Physics        | 2024 | 10.1364/JOSAB.523919            |
| Магнетосопротивление и симметрия двумерного электронного газа гетероструктур AlGaIn/AlIn/GaIn                                                                                      | Письма в Журнал экспериментальной и теоретической физики            | 2024 |                                 |
| Effect of an incoherent pumping field and tunnelling rate on optically controllable switching for light propagation in a InAs quadruple-coupled quantum dot molecule nanostructure | 2024 IEEE Photonics Conference, IPC 2024 - Proceedings              | 2024 | 10.1109/IPC60965.2024.10799528  |
| Anomalous Band Bending in the (KNa)FeSe Superconductor                                                                                                                             | Moscow University Physics Bulletin                                  | 2024 | 10.3103/S0027134924700036       |
| Аномальный изгиб зон в сверхпроводнике $(\text{K}_{0.8}\text{Na}_{0.2})_{0.8}\text{Fe}_{1.8}\text{Se}_{b>2</sub>}$                                                                 | Вестник Московского университета. Серия 3: Физика. Астрономия       | 2024 |                                 |
| FFStreams: Fast Search With Streams for Autonomous Maneuver Planning                                                                                                               | IEEE Robotics and Automation Letters                                | 2024 | 10.1109/LRA.2024.3412633        |
| Sign-based image criteria for social interaction visual question answering                                                                                                         | Logic Journal of the IGPL                                           | 2024 | 10.1093/jigpal/jzae026          |
| DeepPavlov at SemEval-2024 Task 6: Detection of Hallucinations and Overgeneration Mistakes with an Ensemble of Transformer-based Models                                            |                                                                     | 2024 |                                 |
| Localization of mobile robot in prior 3D LiDAR maps using stereo image sequence                                                                                                    | Computer Optics                                                     | 2024 | 10.18287/2412-6179-CO-1369      |
| uSF: Learning Neural Semantic Field with Uncertainty                                                                                                                               | Optical Memory and Neural Networks (Information Optics)             | 2024 | 10.3103/S1060992X24700176       |

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| OFMPNet: Deep end-to-end model for occupancy and flow prediction in urban environment                                                                                                                                                                    | Neurocomputing                                                                                              | 2024 | 10.1016/j.neucom.2024.127649 |
| DAGM-Mono: Deformable Attention-Guided Modeling for Monocular 3D Reconstruction                                                                                                                                                                          | Optical Memory and Neural Networks (Information Optics)                                                     | 2024 | 10.3103/S1060992X2470005X    |
| Sea-SHINE: Semantic-Aware 3D Neural Mapping Using Implicit Representations                                                                                                                                                                               | Optical Memory and Neural Networks (Information Optics)                                                     | 2024 | 10.3103/S1060992X24700711    |
| Adaptive Backstepping Tracking Control of Wheeled Mobile Manipulator With Output Constraints                                                                                                                                                             | IEEE Access                                                                                                 | 2024 | 10.1109/ACCESS.2024.3521989  |
| The SLC6A1 Mutation Schizophrenia case - A Comprehensive Case Study With iPSC Generation                                                                                                                                                                 | EUR PSYCHIAT                                                                                                | 2024 |                              |
| Establishment of a human induced pluripotent stem cell line (ABi004-A) carrying a compound heterozygous mutation in the KCNV2 gene                                                                                                                       | Stem Cell Research                                                                                          | 2024 | 10.1016/j.scr.2024.103512    |
| Human pancreatic islet-derived stromal cells reveal combined features of mesenchymal stromal cells and pancreatic stellate cells                                                                                                                         | Stem Cell Research and Therapy                                                                              | 2024 | 10.1186/s13287-024-03963-2   |
| Magnetoresistance and Symmetry of a Two-Dimensional Electron Gas in AlGaIn/GaN Heterostructures                                                                                                                                                          | JETP Letters                                                                                                | 2024 | 10.1134/S0021364024600769    |
| The emergence of aspirates in Latin in 2nd–1st centuries BC as an orthographic representation of voiceless liquids and nasals;<br>[ВОЗНИКНОВЕНИЕ ПРИДЫХАТЕЛЬНЫХ СОГЛАСНЫХ В ЛАТИНСКОМ ЯЗЫКЕ II–I ВВ. ДО Н. Э. КАК ФОРМА ЗАПИСИ ГЛУХИХ ПЛАВНЫХ И НОСОВЫХ] | Indo-European Linguistics and Classical Philology Yearbook                                                  | 2024 | 10.30842/ielcp2306901528027  |
| Resistive Memory in 2T1R Architecture Based on Si MOSFETs and Nanocomposite Memristors                                                                                                                                                                   | Nanobiotechnology Reports                                                                                   | 2024 | 10.1134/S2635167624601657    |
| О применении причинно-следственных моделей в тестировании систем машинного обучения                                                                                                                                                                      | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2024 |                              |
| РАЗРАБОТКА ТЕХНОЛОГИИ ПОЛУЧЕНИЯ НОВОГО БИОЭЛЕКТРОКАТАЛИЗАТОРА - "ГРУБОГО" ЭКСТРАКТА<br><i>SACCHAROMYCES CEREVISIAE</i>                                                                                                                                   | Известия высших учебных заведений. Северо-Кавказский регион. Серия: Естественные науки                      | 2024 |                              |
| Performance of SOFCs using model waste gases: A case study                                                                                                                                                                                               | Fuel                                                                                                        | 2024 | 10.1016/j.fuel.2023.130129   |
| Solid electrolytes based on zirconium dioxide partially stabilized with oxides of yttrium, gadolinium, and samarium                                                                                                                                      | Journal of Solid State Electrochemistry                                                                     | 2024 | 10.1007/s10008-023-05695-4   |
| РАЗРАБОТКА ПРОГРАММНОГО ОБЕСПЕЧЕНИЯ ДЛЯ ЛАБОРАТОРНОГО РОСТОВОГО КОМПЛЕКСА "RUBITEK"                                                                                                                                                                      | Прикладная физика и математика                                                                              | 2024 |                              |
| Особенности организации обмена данными для автоматизированного лабораторного ростового комплекса «RUBITEK»                                                                                                                                               | Приборы и системы. Управление, контроль, диагностика                                                        | 2024 |                              |

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| Modeling of gas mixture separation in a multistage micropump based on the solution of the Boltzmann equation; [Моделирование разделения смеси газов в многоступенчатом микронасосе, основанное на решении уравнения Больцмана] | Computer Research and Modeling                                                                                                       | 2024 | 10.20537/2076-7633-2024-16-6-1417-1432  |
| Автоматизирование технологических процессов синтеза неорганических соединений фторидов методом ГНК для лабораторного ротового комплекса "Rubitek"                                                                              | Приборы и системы. Управление, контроль, диагностика                                                                                 | 2024 |                                         |
| Исследование времени жизни и темнового тока в поглощающих слоях на основе тройных соединений сурьмы                                                                                                                            | Успехи прикладной физики                                                                                                             | 2024 |                                         |
| Heteroepitaxial CdHgTe structures width modeling effective band gap; [Эффективная ширина запрещенной зоны гетероэпитаксиальных структур CdHgTe, выращенных методами молекулярно-лучевой и жидкофазной эпитаксии]               | Applied Physics                                                                                                                      | 2024 | 10.51368/1996-0948-2024-3-44-50         |
| Investigation quality of hybridization matrix photodetector devices on equipment with autocollimator; [Исследование качества гибридации матричных фотоприемных устройств на установке с автоколлиматором]                      | Applied Physics                                                                                                                      | 2024 | 10.51368/1996-0948-2024-2-57-61         |
| Систематический обзор методов составления тестовых инвариантов                                                                                                                                                                 | Программные системы: теория и приложения                                                                                             | 2024 |                                         |
| Detecting Human Values and Sentiments in Large Text Collections with a Context-Dependent Information Markup: A Methodology and Math                                                                                            | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2024 | 10.1007/978-3-031-61281-7_27            |
| Применение комбинаторных оценок переобучения при планировании трассерных исследований в нефтегазовых месторождениях                                                                                                            | Искусственный интеллект и принятие решений                                                                                           | 2024 |                                         |
| Metamorphic Testing for Recommender Systems                                                                                                                                                                                    | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2024 | 10.1007/978-3-031-54534-4_20            |
| COMMUNICATIVE TYPE "MUNICIPAL EMPLOYEE" IN THE MEDIA SPACE: DEVELOPMENT OF AN AUTOMATIC INFORMATION AND ANALYTICAL ASSESSMENT SYSTEM                                                                                           | VESTN VOLG GOS U-YAZ                                                                                                                 | 2024 |                                         |
| The rs2564978(T) Allele Associated with Severe Influenza A Disrupts the Binding Site for Myeloid Differentiation Factor PU.1 and Reduces CD55/DAF Gene Promoter Activity in Macrophages                                        | Molekuliarnaia biologiya                                                                                                             | 2024 | 10.31857/S0026898424020089, EDN: NIRUNT |
| Human eRF1 Translation Regulation                                                                                                                                                                                              | Molecular Biology                                                                                                                    | 2024 | 10.1134/S0026893324700298               |
| Fabrication of covellite supported spinel oxide CuCo2O4 hybrid nano-composite electrode for efficient overall water splitting                                                                                                  | Journal of Electroanalytical Chemistry                                                                                               | 2024 | 10.1016/j.jelechem.2024.118450          |

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| Generation of induced pluripotent stem cell line (MIPTi002-A) derived from a patient with a heterozygous type mutation in the CDC73 gene                                                                                         | Stem Cell Research                                                     | 2024 | 10.1016/j.scr.2024.103311           |
| Гибридные белки, содержащие протеородопсин <i>Exiguobacterium sibiricum</i>                                                                                                                                                      | Биоорганическая химия                                                  | 2024 |                                     |
| Structural aspects of RimP binding on small ribosomal subunit from <i>Staphylococcus aureus</i>                                                                                                                                  | Structure                                                              | 2024 | 10.1016/j.str.2023.10.014           |
| ПЕРВЫЕ ЭКСПЕРИМЕНТАЛЬНЫЕ РЕЗУЛЬТАТЫ НА ТОКАМАКЕ Т-15МД                                                                                                                                                                           | Вопросы атомной науки и техники. Серия: Термоядерный синтез            | 2024 |                                     |
| Asymptotics of Long Nonlinear Coastal Waves in Basins with Gentle Shores                                                                                                                                                         | Russian Journal of Mathematical Physics                                | 2024 | 10.1134/S106192084010060            |
| Effect of chemical crosslinking with glutaric aldehyde on sorption parameters of chitosan-based wound dressings; [влияние химической сшивки глутаровым альдегидом на сорбционные параметры раневых покрытий на основе хитозана]  | Medical News of North Caucasus                                         | 2024 | 10.14300/mnnc.2024.19054ISSN        |
| Mechanical Properties of Individual Porous Chitosan Particles: Full Scale and Numerical Experiments                                                                                                                              | Nanobiotechnology Reports                                              | 2024 | 10.1134/S2635167624600901           |
| Resistive switching kinetics of electrolyte-gated polyaniline-based memristive devices                                                                                                                                           | Organic Electronics                                                    | 2024 | 10.1016/j.orgel.2024.107002         |
| Quasi-Two-Dimensional Code for the Calculation of Antenna Impedance of the ICR Heating System                                                                                                                                    | Plasma Physics Reports                                                 | 2024 | 10.1134/S1063780X24600816           |
| Spoken Digits Classification Using a Spiking Neural Network with Fixed Synaptic Weights                                                                                                                                          | Studies in Computational Intelligence                                  | 2024 | 10.1007/978-3-031-50381-8_83        |
| T-15MD Tokamak Microwave Interferometer for Measuring the Average Electron Density of Plasma                                                                                                                                     | Plasma Physics Reports                                                 | 2024 | 10.1134/S1063780X24600543           |
| ИССЛЕДОВАНИЕ РАСПРОСТРАНЕНИЯ ВИРУСА COVID-19 В КРУПНОЙ ГОРОДСКОЙ АГЛОМЕРАЦИИ С ПОМОЩЬЮ ДИФФЕРЕНЦИАЛЬНОЙ ЭПИДЕМИОЛОГИЧЕСКОЙ МОДЕЛИ И ПОТЕНЦИАЛ ЕЕ ПРИМЕНЕНИЯ В ПРОГРАММНОМ ОБЕСПЕЧЕНИИ                                            | Мягкие измерения и вычисления                                          | 2024 |                                     |
| METHODS AND RESULTS OF ELECTROCHEMICAL INVESTIGATION OF THE RELIEF OF FILMS DEPOSITED BY MAGNETRON SPUTTERING; [МЕТОДИКИ И РЕЗУЛЬТАТЫ ЭЛЕКТРОХИМИЧЕСКОГО ИССЛЕДОВАНИЯ РЕЛЬЕФА ПЛЁНОК, ОСАЖДАЕМЫХ ПУТЁМ МАГНЕТРОННОГО РАСПЫЛЕНИЯ] | Problems of Atomic Science and Technology, Series Thermonuclear Fusion | 2024 | 10.21517/0202-3822-2024-47-2-98-110 |
| Методика построения двумерных распределений параметров плазмы по данным зондирования плазмы пучком тяжелых ионов на токамаке Т-10                                                                                                | Ядерная физика и инжиниринг                                            | 2024 |                                     |

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| The development of lifting force in flapping wing robots with variable angle of attack                                                                                                                                                                                        | Conference Proceedings - 8th Scientific School "Dynamics of Complex Networks and their Applications", DCNA 2024 | 2024 | 10.1109/DCNA63495.2024.10718490         |
| Effect of ibuprofen on osteogenic properties of matrices carrying adenovirus with the BMP2 gene                                                                                                                                                                               | Clinical and Experimental Morphology                                                                            | 2024 | 10.31088/CEM2024.13.4.36-46             |
| Fusion Proteins Containing Proteorhodopsin from <i>Exiguobacterium sibiricum</i>                                                                                                                                                                                              | Russian Journal of Bioorganic Chemistry                                                                         | 2024 | 10.1134/S1068162024030063               |
| RAGE induces physiological activation of NADPH oxidase in neurons and astrocytes and neuroprotection                                                                                                                                                                          | FEBS Journal                                                                                                    | 2024 | 10.1111/febs.17086                      |
| Structural basis of selective beta-carotene binding by a soluble protein                                                                                                                                                                                                      | Structure                                                                                                       | 2024 | 10.1016/j.str.2024.09.014               |
| Corrigendum to “Fabrication of covellite supported spinel oxide CuCo2O4 hybrid nano-composite electrode for efficient overall water splitting” [967 (2024) 118450] (Journal of Electroanalytical Chemistry (2024) 967, (S1572665724004284), (10.1016/j.jelechem.2024.118450)) | Journal of Electroanalytical Chemistry                                                                          | 2024 | 10.1016/j.jelechem.2024.118566          |
| Engineering active sites in ternary CuNiPd alloy electrocatalysts supported on nickel foam for improved electrochemical water splitting                                                                                                                                       | Journal of Industrial and Engineering Chemistry                                                                 | 2024 | 10.1016/j.jiec.2024.11.026              |
| Decomposition of a manganese complex loaded on TiO2 nanoparticles under photochemical reaction                                                                                                                                                                                | International Journal of Hydrogen Energy                                                                        | 2024 | 10.1016/j.ijhydene.2023.10.196          |
| Unravelling the operando structural and chemical stability of rare earth metals co-doped CeO2-based electrocatalysts for oxygen evolution reaction                                                                                                                            | International Journal of Hydrogen Energy                                                                        | 2024 | 10.1016/j.ijhydene.2024.06.019          |
| The rs2564978(T) Allele Associated with Severe Influenza A Disrupts the Binding Site for Myeloid Differentiation Factor PU.1 and Reduces CD55/DAF Gene Promoter Activity in Macrophages                                                                                       | Molecular Biology                                                                                               | 2024 | 10.1134/S002689332402016X               |
| Enhanced photocatalytic property of Cu doped Ce2Zr2O7 toward photodegradation of methylene blue under visible light                                                                                                                                                           | Heliyon                                                                                                         | 2024 | 10.1016/j.heliyon.2024.e34266           |
| Human eRF1 Translation Regulation                                                                                                                                                                                                                                             | Molekuliarnaia biologii                                                                                         | 2024 | 10.31857/S0026898424040091, EDN: IMNJKL |
| Unprecedented electrochemical activity of GdCoO3-gC3N4 nanocomposite for bifunctional oxygen and hydrogen evolution reaction                                                                                                                                                  | Journal of Physics and Chemistry of Solids                                                                      | 2024 | 10.1016/j.jpcs.2024.112217              |
| Nelle, a Genetically Encoded Indicator for Branched-Chain Amino Acids Based on mNeonGreen Fluorescent Protein and LIVBP Protein                                                                                                                                               | ACS SENSORS                                                                                                     | 2024 |                                         |
| Catalytic enhancement of graphene oxide by trace molybdenum oxide nanoparticles doping: Optimized electrocatalyst for green hydrogen production                                                                                                                               | International Journal of Hydrogen Energy                                                                        | 2024 | 10.1016/j.ijhydene.2024.03.032          |

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| Study on oxygen evolution reaction efficiency demonstrated by Ce-E (E = S, Se and te) electrocatalyst                                                                                                                                                   | International Journal of Hydrogen Energy         | 2024 | 10.1016/j.ijhydene.2024.04.343 |
| Generation of induced pluripotent stem line (MIPTi001-A) derived from patient with X-linked adrenoleukodystrophy (X-ALD)                                                                                                                                | Stem Cell Research                               | 2024 | 10.1016/j.scr.2023.103298      |
| Vector Bundles on Quantum Conjugacy Classes                                                                                                                                                                                                             | Journal of Mathematical Sciences (United States) | 2024 | 10.1007/s10958-024-07330-7     |
| Abelian envelopes of exact categories and highest weight categories                                                                                                                                                                                     | Mathematische Zeitschrift                        | 2024 | 10.1007/s00209-024-03543-3     |
| Shapovalov elements of classical and quantum groups                                                                                                                                                                                                     | Journal of Pure and Applied Algebra              | 2024 | 10.1016/j.jpaa.2024.107634     |
| Comparative analysis of the structure and electrical properties of single crystal and ceramic (ZrO <sub>2</sub> ) <sub>0.90</sub> (Sc <sub>2</sub> O <sub>3</sub> ) <sub>0.09</sub> (Yb <sub>2</sub> O <sub>3</sub> ) <sub>0.01</sub> solid electrolyte | Journal of Solid State Electrochemistry          | 2024 | 10.1007/s10008-024-05826-5     |
| Effect of ceria on the properties of yttria-stabilized zirconia-based electrolytic membranes                                                                                                                                                            | Journal of Solid State Electrochemistry          | 2024 | 10.1007/s10008-023-05546-2     |
| Citrate stabilized maghemite hydrosol with controllable MRI contrast: Key role of nanoparticle size                                                                                                                                                     | Journal of Magnetism and Magnetic Materials      | 2024 | 10.1016/j.jmmm.2024.172447     |
| Интегрируемые структуры в теории струн                                                                                                                                                                                                                  | Успехи физических наук                           | 2024 |                                |
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| Filament Formation Mechanism for a Nanosecond Surface Barrier Discharge. Part 2. The Local-Energy Approximation                                       | Plasma Physics Reports                                   | 2024 | 10.1134/S1063780X23601852   |
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| The Maslov index for composite power-law potentials: The case of the first<br>Extremum potential                                                                                                                                                  | Annals of Physics                                                                 | 2024 | 10.1016/j.aop.2023.169554       |
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| Control and readout of a transmon using a compact superconducting resonator                                                                | Applied Physics Letters                                                                                     | 2024 | 10.1063/5.0194276            |
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| Application of Convolutional Networks for Localization and Prediction of Scalar Parameters of Fractured Geological Inclusion               | International Journal of Applied Mechanics                                                                  | 2024 | 10.1142/S1758825124500649    |
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| Gas Suction Effect on the Crossflow Instability in Flow Past a Swept Wing                                                                                               | Fluid Dynamics                                                                                                                 | 2024 | 10.1134/S0015462824600202             |
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| Influence of random statistical factors on dispersed particles motion in a two-phase flow: physical and mathematical modeling                                           | Thermophysics and Aeromechanics                                                                                                | 2024 | 10.1134/S0869864324010098             |
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| Расчетно-экспериментальное исследование влияния газодинамических факторов на случайно-статистическое распределение частиц в двухфазном высокоскоростном потоке          | Труды МАИ                                                                                                                      | 2024 |                                       |
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| Field emission characteristics and structure of carbon-containing cathode materials; [Автоэмиссионные характеристики и структура углеродсодержащих катодных материалов] | Vestnik Sankt-Peterburgskogo Universiteta, Prikladnaya Matematika, Informatika, Protsessy Upravleniya                          | 2024 | 10.21638/spbu10.2024.205              |
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| Non-linear self-interference cancellation on base of mixed Newton method; [Компенсация собственных нелинейных помех на основе смешанного метода Ньютона]                                                                                                                                                          | Computer Research and Modeling                                                                                                       | 2024 | 10.20537/2076-7633-2024-16-7-1579-1592 |
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| Fast Compressed Sensing Beam Training in RIS-assisted MISO Systems                                                                                         | 2024 32nd Telecommunications Forum, TELFOR 2024 - Proceedings of Papers                                     | 2024 | 10.1109/TELFOR63250.2024.10819140  |
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| Time-Frequency Spatial Precoding Design for TDD Massive-MIMO Systems                                                                            | 2024 7th International Balkan Conference on Communications and Networking, BalkanCom 2024                                            | 2024 | 10.1109/BalkanCom61808.2024.10557201 |
| Multiphase Queuing System of Blocking Queues and a Single Common Orbit Retrial Queue with Limited Buffer                                        | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2024 | 10.1007/978-3-031-50482-2_17         |
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| Improving Production Management and Control with Intelligent Chatbot Services                                                                   | Proceedings of the 2024 6th International Youth Conference on Radio Electronics, Electrical and Power Engineering, REEPE 2024        | 2024 | 10.1109/REEPE60449.2024.10479952     |
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| System for Automatic Counting of Atlantic Walruses Using Neural Networks from UAV Aerial Photography Images                                     | 2024 26th International Conference on Digital Signal Processing and its Applications, DSPA 2024                                      | 2024 | 10.1109/DSPA60853.2024.10510031      |
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| Применение технологий искусственного интеллекта при обработке изображений с фотолувшек: принципы, программы, подходы                                                                                          | Принципы экологии                                                                                                                                   | 2024 |                                  |
| РОБАСТНАЯ МНОГОСТУПЕНЧАТАЯ НЕЛИНЕЙНАЯ МОДЕЛЬ ПРОГНОЗИРУЮЩЕГО УПРАВЛЕНИЯ ДЛЯ УМЕНЬШЕНИЯ ПОМЕХ В ДВУХОСНОЙ КАРДАННОЙ СИСТЕМЕ                                                                                    | Авиакосмическое приборостроение                                                                                                                     | 2024 |                                  |
| Research of ceramic proppant porosity and permeability changes under constrained compression                                                                                                                  | Neftyanoe Khozyaystvo - Oil Industry                                                                                                                | 2024 | 10.24887/0028-2448-2024-10-83-87 |
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| Исследование влияния вынужденных акустических колебаний на окисление метана в канале постоянного сечения энергосиловой установки                                                                              | Вестник Московского авиационного института                                                                                                          | 2024 |                                  |
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| The BM@N spectrometer at the NICA accelerator complex                                                                                                                                                                                                                                  | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2024 | 10.1016/j.nima.2024.169532           |
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| Особенности изготовления микрорезонаторов с модами типа шепчущей галереи из аморфных материалов                                                                                                                                                                                        | Оптика и спектроскопия                                                                                                          | 2024 |                                      |
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| Simulation of two-phase flow in porous media using an inhomogeneous network model; [Моделирование двухфазного течения в пористых средах с использованием неоднородной сетевой модели]                                                                                                  | Computer Research and Modeling                                                                                                  | 2024 | 10.20537/2076-7633-2024-16-4-913-925 |
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| Optical method for erosion control of a cylinder placed in a high-enthalpy jet of plasma torch; [Метод оптического контроля эрозии цилиндра при обтекании высокоэнтальпийной струей плазмотрона]                                                                                       | Applied Physics                                                                                                                 | 2024 | 10.51368/1996-0948-2024-3-26-30      |
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| Influence of the Solvent Nature on the Spin Equilibrium in Solutions of the Cobalt(II) Phenylborate Hexa-n-Butylsulfide Clathrochelate by the Paramagnetic NMR Spectroscopy Data                                                                                                       | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya                                                             | 2024 | 10.1134/S107032842360095X            |
| Effect of administration route on biodistribution of PLGA nanoparticles                                                                                                                                                                                                                | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                                             | 2024 | 10.1109/ICLO59702.2024.10624102      |
| Novel principle of the optical damage detection in nonlinear-optical crystals with RF oscillator                                                                                                                                                                                       | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                                             | 2024 | 10.1109/ICLO59702.2024.10624439      |

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| Force field comparison for molecular dynamics simulations of liquid membranes                                                                                                                                         | Journal of Molecular Liquids                                     | 2024 | 10.1016/j.molliq.2024.126347      |
| Влияние ядерных квантовых эффектов на колебательный спектр и структуру эндофуллера $\text{H}_{20}\text{C}_{60}$                                                                                                       | Письма в Журнал экспериментальной и теоретической физики         | 2024 |                                   |
| Surface Tension and Adsorption at the Vapor–Liquid Interface in a Methane–Ethane System                                                                                                                               | Russian Journal of Physical Chemistry A                          | 2024 | 10.1134/S0036024424702066         |
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| High-temperature thermophysical properties of liquid zirconium: Quantum molecular dynamics and pulse heating experiment                                                                                               | Physical Review B                                                | 2024 | 10.1103/PhysRevB.110.184204       |
| Properties of Shock and Quasi-Isentropically Compressed Krypton in the Pressure Range of up to 2700 GPa                                                                                                               | JETP Letters                                                     | 2024 | 10.1134/S0021364024601465         |
| Тренировка потенциалов машинного обучения для моделирования зародышеобразования в графите                                                                                                                             | Журнал структурной химии                                         | 2024 |                                   |
| Thermophysical properties of solid and liquid nickel near melting point                                                                                                                                               | Journal of Applied Physics                                       | 2024 | 10.1063/5.0234884                 |
| Solid state synthesis, structural, DFT and spectroscopic analysis of $\text{EuAl}_3(\text{BO}_3)_4$                                                                                                                   | Materials Chemistry and Physics                                  | 2024 | 10.1016/j.matchemphys.2024.129400 |
| Pressure of Coulomb systems with volume-dependent long-range potentials                                                                                                                                               | Journal of Physics A: Mathematical and Theoretical               | 2024 | 10.1088/1751-8121/ad40e5          |
| Towards atomistic modelling of solid Pb-O formation and dissolution in liquid lead coolant: Interatomic potential development                                                                                         | Journal of Nuclear Materials                                     | 2024 | 10.1016/j.jnucmat.2024.155016     |
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| Nuclear Charge Radii of Silicon Isotopes                                                                                                                                                                              | Physical Review Letters                                          | 2024 | 10.1103/PhysRevLett.132.162502    |
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| Application of Cerium Oxide Nanopowders for Silicon Polishing                                                                            | TECH PHYS+                                                          | 2024 |                                 |
| Additional Heisenberg uncertainties ratio in the (1+3)Minkowski space and in the (1+4)D extended space model                             | Radioelektronika, Nanosistemy, Informacionnye Tehnologii            | 2024 | 10.17725/j.rensit.2024.16.953   |
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| Search for $e^+e^- \rightarrow K^+K^-\psi(3770)$ at center-of-mass energies from 4.84 to 4.95 GeV                                                                                                                  | Physical Review D              | 2024 | 10.1103/PhysRevD.109.112019    |
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| Search for C-even states decaying to $D_s^\pm D_s^*$ with masses between 4.08 and 4.32 GeV/c <sup>2</sup>                                                                                                          | Physical Review D              | 2024 | 10.1103/PhysRevD.110.032017    |
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| Observation of $J/\psi$ decays to $e^+e^-e^+e^-$ and $e^+e^-\mu^+\mu^-$                                                                                                               | Physical Review D              | 2024 | 10.1103/PhysRevD.109.052006    |
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| Measurement of $e^+e^- \rightarrow \eta J/\psi$ cross section from $s = 3.808 \text{ GeV}$ to $4.951 \text{ GeV}$                                                                     | Physical Review D              | 2024 | 10.1103/PhysRevD.109.092012    |
| Observation of $\psi(3686) \rightarrow 3\phi$                                                                                                                                         | Physical Review D              | 2024 | 10.1103/PhysRevD.109.072015    |
| Observation of the decay $J/\psi \rightarrow e^+e^-\eta(1405)$ with $\eta(1405) \rightarrow \pi^0 f_0(980)$                                                                           | Physical Review D              | 2024 | 10.1103/PhysRevD.109.012007    |
| Search for the semi-muonic charmonium decay $J/\psi \rightarrow D^- \mu^+ \nu_\mu + \text{c.c.}$                                                                                      | Journal of High Energy Physics | 2024 | 10.1007/JHEP01(2024)126        |
| Search for $\eta_c(2S) \rightarrow 2(\pi^+\pi^-)$ and improved measurement of $\chi_{cJ} \rightarrow 2(\pi^+\pi^-)$                                                                   | Physical Review D              | 2024 | 10.1103/PhysRevD.110.072009    |
| Analysis of the dynamics of the decay $D^+ \rightarrow K_S^0 \pi^0 e^+ \nu_e$                                                                                                         | Journal of High Energy Physics | 2024 | 10.1007/JHEP10(2024)199        |
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| Study of excited $\Xi$ states in $\psi(3686) \rightarrow K^- \Lambda \Xi^- + \text{c.c.}$                                                                                             | Physical Review D              | 2024 | 10.1103/PhysRevD.109.072008    |
| Precision measurement of the branching fraction of $J/\psi \rightarrow k^+ K^-$ via $\psi(2S) \rightarrow \pi^+\pi^- J/\psi$                                                          | Physical Review D              | 2024 | 10.1103/PhysRevD.110.032006    |
| Study of the doubly Cabibbo-suppressed decays $D_s^+ \rightarrow k^+ K^+ \pi^-$ and $D_s^+ \rightarrow k^+ K^+ \pi^- \pi^0$                                                           | Physical Review D              | 2024 | 10.1103/PhysRevD.109.032011    |
| First Study of Antihyperon-Nucleon Scattering $\Lambda^- p \rightarrow \Lambda^- p$ and Measurement of $\Lambda p \rightarrow \Lambda p$ Cross Section                                | Physical Review Letters        | 2024 | 10.1103/PhysRevLett.132.231902 |
| Observation of $\chi_{cJ} \rightarrow p \bar{p} K_S^0 K^- \pi^+ + \text{c.c.}$                                                                                                        | Physical Review D              | 2024 | 10.1103/PhysRevD.110.112009    |
| Measurement of branching fractions for $\Lambda_c^+ \rightarrow n K_S^0 \pi^+$ and $\Lambda_c^+ \rightarrow n K_S^0 K^+$                                                              | Physical Review D              | 2024 | 10.1103/PhysRevD.109.072010    |
| Study of the $f_0(980)$ and $f_0(500)$ Scalar Mesons through the Decay $D_s^+ \rightarrow \pi^+\pi^- e^+ \nu_e$                                                                       | Physical Review Letters        | 2024 | 10.1103/PhysRevLett.132.141901 |
| Measurements of the branching fractions of the P-wave charmonium spin-singlet state $h_c(P11) \rightarrow h^+ h^- \pi^0 / \eta$                                                       | Physical Review D              | 2024 | 10.1103/PhysRevD.110.032023    |
| Observation of the semileptonic decays $D^0 \rightarrow K_S^0 \pi^- \pi^0 e^+ \nu_e$ and $D^+ \rightarrow K_S^0 \pi^+ \pi^- e^+ \nu_e$                                                | Journal of High Energy Physics | 2024 | 10.1007/JHEP09(2024)089        |
| Cross section measurement of $e^+e^- \rightarrow \eta \psi(2S)$ and search for $e^+e^- \rightarrow \eta X(3872)$                                                                      | Physical Review D              | 2024 | 10.1103/PhysRevD.109.112004    |
| First Observation of a Three-Resonance Structure in $e^+e^- \rightarrow \text{nonopen Charm Hadrons}$                                                                                 | Physical Review Letters        | 2024 | 10.1103/PhysRevLett.132.191902 |

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| Observation of $D \rightarrow a_0(980)\pi$ in the decays $D^0 \rightarrow \pi^+\pi^-\eta$ and $D^+ \rightarrow \pi^+\pi^0\eta$                                                                       | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.110.L111102    |
| Search for the leptonic decays $D^{*+} \rightarrow e^+\nu_e$ and $D^{*+} \rightarrow \mu^+\nu_\mu$                                                                                                   | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.110.012003     |
| Measurements of K <sub>S</sub> <sup>0</sup> -K <sub>L</sub> <sup>0</sup> asymmetries in the decays $\Lambda_c^+ \rightarrow p K_L^0, S^0, p K_L^0, S^0 \pi^+ \pi^-$ and $p K_L^0, S^0 \pi^0$         | Journal of High Energy Physics                                                                              | 2024 | 10.1007/JHEP09(2024)007         |
| Measurement of Born cross section of $e^+e^- \rightarrow \Sigma^+\Sigma^-$ at center-of-mass energies between 3.510 and 4.951 GeV                                                                    | Journal of High Energy Physics                                                                              | 2024 | 10.1007/JHEP05(2024)022         |
| Improved measurement of the semileptonic decay $D_s^+ \rightarrow K^0 e^+ \nu_e$                                                                                                                     | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.110.052012     |
| Observation of Structures in the Processes $e^+e^- \rightarrow \omega \chi_{c1}$ and $\omega \chi_{c2}$                                                                                              | Physical Review Letters                                                                                     | 2024 | 10.1103/PhysRevLett.132.161901  |
| Search for the $e^+e^- \rightarrow \phi \chi_{c1}$ (3872) process at BESIII                                                                                                                          | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.110.L031103    |
| Observation of $D^+ \rightarrow K_S^0 a_0(980)^+$ in the Amplitude Analysis of $D^+ \rightarrow K_S^0 \pi^+ \eta$                                                                                    | Physical Review Letters                                                                                     | 2024 | 10.1103/PhysRevLett.132.131903  |
| Study of $e^+e^- \rightarrow \pi^+\pi^-\pi^0$ at $s$ from 2.00 to 3.08 GeV at BESIII                                                                                                                 | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.110.032005     |
| Study of $e^+e^- \rightarrow \omega X$ (3872) and $\gamma X$ (3872) from 4.66 to 4.95 GeV                                                                                                            | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.110.012006     |
| Observation of $D^+ \rightarrow f_0(500)\mu^+\nu_\mu$ and study of $D^+ \rightarrow \pi^+\pi^-\ell^+\nu_\ell$ decay dynamics                                                                         | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.110.092008     |
| Measurement of the $e^+e^- \rightarrow \Lambda \zeta^- + c.c.$ cross sections at $s$ from 2.3094 to 3.0800 GeV                                                                                       | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.109.012002     |
| Observation of $\chi_{c0} \rightarrow \zeta^+ \zeta^- \eta$ and evidence for $\chi_{c1,2} \rightarrow \zeta^+ \zeta^- \eta$                                                                          | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.110.112013     |
| Measurements of Born cross sections for $e^+e^- \rightarrow \Lambda_c^+ \Lambda^- c$ (2595)-+ c. c. and $e^+e^- \rightarrow \Lambda_c^+ \Lambda^- c$ (2625)-+ c. c. at $s = 4918.0$ and $4950.9$ MeV | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.109.L071104    |
| Study of the Decay and Production Properties of $D_{s1}$ (2536) and $D_{s2}^*$ (2573)                                                                                                                | Physical Review Letters                                                                                     | 2024 | 10.1103/PhysRevLett.133.171903  |
| Improved measurement of the decays $\eta' \rightarrow \pi^+\pi^-\pi^0$ ( $0^-\pi^0$ ) and search for the rare decay $\eta' \rightarrow 4\pi^0$                                                       | Physical Review D                                                                                           | 2024 | 10.1103/PhysRevD.109.032006     |
| Precise Measurement of the $e^+e^- \rightarrow D_s^+ D_s^-$ Cross Section at Center-of-Mass Energies from Threshold to 4.95 GeV                                                                      | Physical Review Letters                                                                                     | 2024 | 10.1103/PhysRevLett.133.261902  |
| Antiferromagnetic and nutation resonance frequencies of antiferromagnets at an arbitrary strength of the applied dc field                                                                            | Journal of Applied Physics                                                                                  | 2024 | 10.1063/5.0196622               |
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| Analysis of the gradient method for laser calorimetry and analytical correction factors                                                                                                              | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                         | 2024 | 10.1109/ICLO59702.2024.10624575 |
| Plasmonic photoconductive antennas based on Bi <sub>2</sub> -xSb <sub>x</sub> Se <sub>y</sub> Te <sub>3-y</sub> topological insulators                                                               | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                         | 2024 | 10.1109/ICLO59702.2024.10623988 |
| Исследование флуктуаций автоэмиссионного тока современных катодов                                                                                                                                    | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2024 |                                 |

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| Enhanced terahertz emission in a large-area photoconductive antenna through an array of tightly packed sapphire fibers                                                                                                           | Applied Physics Letters                                                        | 2024 | 10.1063/5.0194236               |
| Template Synthesis of the Iron(III) Complex with the Ligands Based on Acylpyrazolonepyridines                                                                                                                                    | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya            | 2024 | 10.1134/S1070328424600645       |
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| Optical-to-terahertz switches: state of the art and new opportunities for multispectral imaging                                                                                                                                  | Physics-Uspekhi                                                                | 2024 | 10.3367/UFNe.2023.07.039503     |
| Дисперсия двойного металлического волновода квантово-каскадного лазера в области оптических фононов GaAs                                                                                                                         | Письма в Журнал технической физики                                             | 2024 |                                 |
| Phosphides-Based Terahertz Quantum-Cascade Laser                                                                                                                                                                                 | Physica Status Solidi - Rapid Research Letters                                 | 2024 | 10.1002/pssr.202300392          |
| ВЛИЯНИЕ ВКЛЮЧЕНИЯ ХЛОРА НА ЛЮМИНЕСЦЕНТНЫЕ СВОЙСТВА НОВЫХ КООРДИНАЦИОННЫХ СОЕДИНЕНИЙ $\text{Eu}^{3+}$ С $\beta$ -ДИКЕТОНАМИ И НЕПРЕДЕЛЬНЫМИ КАРБОНОВЫМИ КИСЛОТАМИ                                                                 | Краткие сообщения по физике ФИАН                                               | 2024 |                                 |
| QUALITY CONTROL OF THE STRUCTURE AND PROPERTIES OF WC-Co CERMETS OBTAINED BY SINTERING IN A HYDROGEN ATMOSPHERE; [КОНТРОЛЬ КАЧЕСТВА СТРУКТУРЫ И СВОЙСТВ МЕТАЛЛОКЕРАМИКИ WC-Co, ПОЛУЧЕННОЙ МЕТОДОМ СПЕКАНИЯ В АТМОСФЕРЕ ВОДОРОДА] | ChemChemTech                                                                   | 2024 | 10.6060/ivkkt.20246710.8y       |
| Sensitive Detection and Enantioseparation of $\beta$ -Blockers with Quinoline Based Active Chiral Reagents using HPLC: Separation Mechanism and DFT Modelling                                                                    | Asian Journal of Chemistry                                                     | 2024 | 10.14233/ajchem.2024.31487      |
| Gradient method for piezoresonance laser calorimetry                                                                                                                                                                             | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings            | 2024 | 10.1109/ICLO59702.2024.10624096 |
| Эффективная генерация ТГц излучения фотопроводящим источником с локализацией носителей заряда в высокоаспектных плазмонных электродах                                                                                            | Оптика и спектроскопия                                                         | 2024 |                                 |
| Compensation Ratio of Acceptor Centers in Different Growth Sectors of Boron-Doped High-Pressure High-Temperature Diamond                                                                                                         | Technical Physics                                                              | 2024 | 10.1134/S1063784224700440       |
| Titanium(+4) and vanadium(+5) 8-oxyquinolines as catalysts for the synthesis of high-molecular-weight polyethylene and ethylene-octene copolymers                                                                                | Russian Chemical Bulletin                                                      | 2024 | 10.1007/s11172-024-4217-7       |
| E-beam resist AR-N 7520 in the formation of the photonic structures; [Электронный негативный резист AR-N 7520 в процессах формирования фотонных структур]                                                                        | St. Petersburg State Polytechnical University Journal: Physics and Mathematics | 2024 | 10.18721/JPM.173.156            |

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| 8-Оксихинолинаты титана(+4) и ванадия(+5) - катализаторы синтеза высокомолекулярного полиэтилена и этилен-октеных сополимеров                                                                                                                 | Известия Академии наук. Серия химическая                                       | 2024 |                                       |
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| Synthesis of a New Cobalt Complex with Catechol Dianion and Study of the Kinetics of Its Redox-Activated Dissociation                                                                                                                         | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya            | 2024 | 10.1134/S1070328424600669             |
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| Exceptional Points in All-Dielectric Structure with Only In-Plane Symmetry Breaking                                                                                                                          | Lecture Notes in Networks and Systems                                                                                          | 2024 | 10.1007/978-3-031-70595-3_19         |
| Composition of Al/Zn nanoparticles produced in a gas discharge; [Состав наночастиц Al/Zn, полученных в газовом разряде]                                                                                      | St. Petersburg State Polytechnical University Journal: Physics and Mathematics                                                 | 2024 | 10.18721/JPM.173.239                 |
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| Trinuclear Lutetium(III) Cyclopentadienyl Complex with the 2,2'-Bipyridine Dianion (vol 50, pg 391, 2024)                                                                                                    | RUSS J COORD CHEM+                                                                                                             | 2024 |                                      |
| Investigation of the Filament Properties in the HfO <sub>2</sub> -Based Structures Using Conductive Atomic Force Microscopy                                                                                  | Technical Physics                                                                                                              | 2024 | 10.1134/S1063784224070181            |
| Mathematical simulation of uniform heating of biological tissues by laser radiation                                                                                                                          | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                                            | 2024 | 10.1109/ICLO59702.2024.10624258      |
| Field Emission Radiation Source and X-Ray Tube for Analytical Equipment                                                                                                                                      | 2024 Joint International Vacuum Electronics Conference and International Vacuum Electron Sources Conference, IVEC + IVESC 2024 | 2024 | 10.1109/IVECIVESC60838.2024.10694901 |
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| Four-frequency Zeeman laser gyroscopes with a symmetrical cavity, a system for separating rotation signals from orthogonal polarizations and a perimeter control system                                      | 2024 International Conference Laser Optics, ICLO 2024 - Proceedings                                                            | 2024 | 10.1109/ICLO59702.2024.10624064      |
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| Theoretical study of the mechanism of hydrogen production by catalytic methane decomposition on the carbon black catalyst                                                                                    | Journal of Analytical and Applied Pyrolysis                                                                                    | 2024 | 10.1016/j.jaap.2024.106611           |
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| Probability Distributions Describing Qubit-State Superpositions                                                                                                                            | Entropy                                                             | 2023 | 10.3390/e25101366                |
| Evolutionary Formation and Distribution of Puumala Virus Genome Variants, Russia                                                                                                           | Emerging Infectious Diseases                                        | 2023 | 10.3201/eid2907.221731           |
| White Balance Correction for Detecting Holograms in Color Images of Black-and-White Photographs                                                                                            | Programming and Computer Software                                   | 2023 | 10.1134/S0361768823100067        |
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| Multicenter and multiple elastic rescattering in CO <sub>2</sub> molecules studied by carrier-envelope phase mapping                                                                       | 2023 Conference on Lasers and Electro-Optics, CLEO 2023             | 2023 |                                  |
| Валидационные расчеты задач гемодинамики с использованием программного комплекса FlowVision в режиме распараллеливания                                                                     | Вычислительные методы и программирование                            | 2023 |                                  |
| Information geometry and synchronization phase transition in the Kuramoto model                                                                                                            | Physical Review E                                                   | 2023 | 10.1103/PhysRevE.107.044211      |
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| Refined Schemes for Computing the Dynamics of Elastoviscoplastic Media                                                                                                                     | Computational Mathematics and Mathematical Physics                  | 2023 | 10.1134/S0965542523100032        |
| Comparative Numerical Research of Plasmas in Ion Thruster Discharge Chambers with Different Magnetic System Types                                                                          | Journal of Aeronautics, Astronautics and Aviation                   | 2023 | 10.6125/JoAAA.202312_55(4).03    |
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| Сеточно-характеристические методы. 55 лет разработки и решения сложных динамических задач                                                                                                                                                                                                                                                                                                 | Computational Mathematics and Information Technologies     | 2023 |                                        |
| Quantum walk processes in quantum devices                                                                                                                                                                                                                                                                                                                                                 | Heliyon                                                    | 2023 | 10.1016/j.heliyon.2023.e13416          |
| Anisotropic grain boundary diffusion in binary alloys: Phase-field approach                                                                                                                                                                                                                                                                                                               | Materials Today Communications                             | 2023 | 10.1016/j.mtcomm.2023.106209           |
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| Classicality Test in Neutral Bs0Bs0Pairs                                                                                                                                                                                                                                                                                                                                                  | Physics of Particles and Nuclei Letters                    | 2023 | 10.1134/S1547477123030263              |
| General relativity effects in precision spin experimental tests of fundamental symmetries                                                                                                                                                                                                                                                                                                 | Physics-Uspekhi                                            | 2023 | 10.3367/UFNe.2021.09.039074            |
| Isometry invariance of exact correlation functions in various charts of Minkowski and de Sitter spaces                                                                                                                                                                                                                                                                                    | Physical Review D                                          | 2023 | 10.1103/PhysRevD.107.105015            |
| Rare Decays of Neutral B Mesons into Four Charged Leptons in the Standard Model                                                                                                                                                                                                                                                                                                           | Physics of Particles and Nuclei Letters                    | 2023 | 10.1134/S1547477123030184              |
| Optical hydrogen sensing with high-Q guided-mode resonance of Al $2$ O $3$ /WO $3$ /Pd nanostructure                                                                                                                                                                                                                                                                                      | Scientific Reports                                         | 2023 | 10.1038/s41598-023-28204-z             |
| Самосогласованный расчет ядерных зарядовых радиусов в изотопах К                                                                                                                                                                                                                                                                                                                          | Физика элементарных частиц и атомного ядра                 | 2023 |                                        |
| Tri-vector deformations on compact isometries                                                                                                                                                                                                                                                                                                                                             | European Physical Journal C                                | 2023 | 10.1140/epjc/s10052-023-11569-w        |
| Обобщение обобщенной супергравитации                                                                                                                                                                                                                                                                                                                                                      | Письма в журнал Физика элементарных частиц и атомного ядра | 2023 |                                        |
| Reduced mathematical model of blood coagulation taking into account thrombin activity switching as a basis for estimation of hemodynamic effects and its implementation in FlowVision package; [Редуцированная математическая модель свертывания крови с учетом переключения активности тромбина как основа оценки влияния гемодинамических эффектов и ее реализация в пакете FlowVision] | Computer Research and Modeling                             | 2023 | 10.20537/2076-7633-2023-15-4-1039-1067 |
| Elasticity of Highly Entangled Polymer Networks and Gels: Review of Models and Theory of Nonaffine Deformations                                                                                                                                                                                                                                                                           | Polymer Science - Series C                                 | 2023 | 10.1134/S1811238223700236              |
| Chiral Separation Effect in a Quark–Gluon Plasma                                                                                                                                                                                                                                                                                                                                          | JETP Letters                                               | 2023 | 10.1134/S0021364023601112              |
| ПРОСТРАНСТВЕННАЯ СТРУКТУРА ПЛАЗМЕННЫХ ПОТОКОВ В МАГНИТНЫХ ПОЛЯХ ЛАЗЕРНОЙ ПЛАЗМЫ                                                                                                                                                                                                                                                                                                           | Журнал экспериментальной и теоретической физики            | 2023 |                                        |
| Pseudo-Qutrit Formed by Two Interacting Identical Spins ( $s = 1/2$ ) in a Variable External Magnetic Field                                                                                                                                                                                                                                                                               | Entropy                                                    | 2023 | 10.3390/e25050716                      |

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| Controlling purity, indistinguishability, and quantum yield of an incoherently pumped two-level system by spectral filters                                                                             | Physical Review A                                                                | 2023 | 10.1103/PhysRevA.108.023711    |
| Disentanglement of topological and dynamical fields in 3d higher-spin theory within shifted homotopy approach                                                                                          | PHYS LETT B                                                                      | 2023 |                                |
| Elasticity of Slide-Ring Gels                                                                                                                                                                          | ACS Macro Letters                                                                | 2023 | 10.1021/acsmacrolett.3c00010   |
| Contribution of Unbroken Strands to the Fracture of Polymer Networks                                                                                                                                   | Macromolecules                                                                   | 2023 | 10.1021/acs.macromol.2c02139   |
| Представление RG-инвариантных величин в пертурбативной КХД в виде разложения по степеням конформной аномалии                                                                                           | Физика элементарных частиц и атомного ядра                                       | 2023 |                                |
| Редкие распады нейтральных $\chi^0$ -мезонов на четыре заряженных лептона в Стандартной модели                                                                                                         | Письма в журнал Физика элементарных частиц и атомного ядра                       | 2023 |                                |
| Self-consistent description of relaxation processes in systems with ultra- and deep-strong coupling                                                                                                    | Journal of the Optical Society of America B: Optical Physics                     | 2023 | 10.1364/JOSAB.501199           |
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| Fayans Functional. Constraints from Equations of State                                                                                                                                                 | Physics of Atomic Nuclei                                                         | 2023 | 10.1134/S1063778823030067      |
| Stripping Model for Short GRBs: The Impact of Nuclear Data                                                                                                                                             | Particles                                                                        | 2023 | 10.3390/particles6030050       |
| ВЛИЯНИЕ СИЛЬНОЙ СВЯЗИ ЭКСИТОНОВ И ФОНОНОВ АКТИВНОЙ СРЕДЫ НА ЛАЗЕРНУЮ ДИНАМИКУ                                                                                                                          | Фотон-экспресс                                                                   | 2023 |                                |
| Disentanglement of topological and dynamical fields in 3d higher-spin theory within shifted homotopy approach                                                                                          | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023 | 10.1016/j.physletb.2023.137718 |
| Investigation of phase shift in waveguides with chalcogenide glasses                                                                                                                                   | ST PETER POLY U J-PH                                                             | 2023 |                                |
| A numerical study of the hemodynamic behavior and gas transport in cardiovascular systems with severe cardiac or cardiopulmonary failure supported by venoarterial extracorporeal membrane oxygenation | Frontiers in Bioengineering and Biotechnology                                    | 2023 | 10.3389/fbioe.2023.1177325     |
| Buffer Layers for Nonvolatile Ferroelectric Memory Based on Hafnium Oxide                                                                                                                              | Russian Microelectronics                                                         | 2023 | 10.1134/S1063739723600486      |
| Template Synthesis of the Trinuclear Cobalt(III) Complex with Diarylimidazole-Based Ligands: Synthesis and Properties                                                                                  | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya              | 2023 | 10.1134/S1070328423700537      |
| Spectral Analysis of Subterahertz Oscillations Based on an Antiferromagnet/Non-Magnetic Metal Heterostructure                                                                                          | IEEE Transactions on Nanotechnology                                              | 2023 | 10.1109/TNANO.2023.3315071     |
| Less and Less Noble: Local Adsorption Properties of Supported Au, Ni, and Pt Nanoparticles                                                                                                             | Nanomaterials                                                                    | 2023 | 10.3390/nano13081365           |

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| Investigation of the Characteristics of MAO Coatings Formed on Ti6Al4V Titanium Alloy in Electrolytes with Graphene Oxide Additives                                                                                                        | Journal of Composites Science                  | 2023 | 10.3390/jcs7040142        |
| Effect of the thickness of plasmonic gold nanostructures on the surface enhanced Raman scattering                                                                                                                                          | ST PETER POLY U J-PH                           | 2023 |                           |
| Flame Detectors Based on Semiconductor Nanocrystals                                                                                                                                                                                        | High Energy Chemistry                          | 2023 | 10.1134/S0018143923040100 |
| Pre-column Derivatization, Elution Order, Molecular Configuration and Green Chromatographic Separation of Diastereomeric Derivatives of $\beta$ -Amino Alcohols                                                                            | Letters in Applied NanoBioScience              | 2023 | 10.33263/LIANBS124.139    |
| Нейроморфные системы: приборы, архитектура и алгоритмы                                                                                                                                                                                     | Микроэлектроника                               | 2023 |                           |
| Oxide Memristors for ReRAM: Approaches, Characteristics, and Structures                                                                                                                                                                    | Russian Microelectronics                       | 2023 | 10.1134/S1063739723700257 |
| TEMPERATURE STABILITY OF MATERIALS FOR COMPOSITE MICROWAVE ACOUSTIC RESONATORS AND SENSORS ON DIAMOND SUBSTRATES;<br>[ТЕМПЕРАТУРНАЯ СТАБИЛЬНОСТЬ МАТЕРИАЛОВ ДЛЯ КОМПОЗИТНЫХ СВЧ АКУСТИЧЕСКИХ РЕЗОНАТОРОВ И СЕНСОРОВ НА АЛМАЗНЫХ ПОДЛОЖКАХ] | ChemChemTech                                   | 2023 | 10.6060/ivkkt.20236610.8y |
| Координационные соединения в устройствах молекулярной спинтроники                                                                                                                                                                          | Координационная химия                          | 2023 |                           |
| ИССЛЕДОВАНИЕ РАСПРОСТРАНЕНИЯ СВЯЗАННЫХ СОЛИТОНОВ, ГЕНЕРИРУЕМЫХ В ЕРБИЕВОМ ВОЛОКОННОМ ЛАЗЕРЕ, В СТАНДАРТНОМ ТЕЛЕКОММУНИКАЦИОННОМ ВОЛОКНЕ SMF-28                                                                                             | Фотон-экспресс                                 | 2023 |                           |
| Перенос спинового порядка с молекулы параводорода на цианидный ион в комплексе иридия в условиях SABRE                                                                                                                                     | Координационная химия                          | 2023 |                           |
| Субтрактивный процесс формирования системы металлизации                                                                                                                                                                                    | Электронная техника. Серия 3: Микроэлектроника | 2023 |                           |
| Synthesis of Siloxane Derivatives of Phenylboronic Acids of Different Structures                                                                                                                                                           | Journal of Organic Chemistry                   | 2023 | 10.1021/acs.joc.3c00504   |
| Logarithmic Relaxation of the Nonequilibrium State of the Charge Density Wave in TbTe <sub>3</sub> and HoTe <sub>3</sub> Compounds                                                                                                         | JETP Letters                                   | 2023 | 10.1134/S0021364022602998 |
| Взаимодействие синтезированных на графите наночастиц платины с закисью азота                                                                                                                                                               | Коллоидный журнал                              | 2023 |                           |
| Mechanisms of conductive filament formation in hafnium oxide multilayer structures                                                                                                                                                         | Thin Solid Films                               | 2023 | 10.1016/j.tsf.2023.139993 |
| Pyrrolidine-Derived Phenanthroline Diamides: An Influence of Fluorine Atoms on the Coordination of Lu(III) and Some Other f-Elements and Their Solvent Extraction                                                                          | International Journal of Molecular Sciences    | 2023 | 10.3390/ijms24065569      |
| Effect of Au Nanoparticle Agglomeration on SERS Signal Amplification                                                                                                                                                                       | Nanomaterials                                  | 2023 | 10.3390/nano13050812      |

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| TADDOL-based P,S-bidentate diastereomeric ligands in asymmetric allylation and hydrogenation reactions                                                                         | Mendeleev Communications                                            | 2023 | 10.1016/j.mencom.2023.10.012      |
| Investigation of Pinning and Current-Carrying Capacity in 2G HTS Wires With Artificial Pinning Centers Obtained at Various Deposition Rates                                    | IEEE Transactions on Applied Superconductivity                      | 2023 | 10.1109/TASC.2023.3328865         |
| On the Nature of the Decrease in the Rate of the B2 Ordering Process in a Cu–Pd Solid Solution as the Equiatomic Composition Is Approached                                     | Inorganic Materials                                                 | 2023 | 10.1134/S002016852312004X         |
| Technologies Based on Phototrophic Microorganisms As a Promising Way to Achieve Carbon Neutrality in Urban Agglomerations                                                      | Nanobiotechnology Reports                                           | 2023 | 10.1134/S2635167623010032         |
| Approaches to the Use of Graph Theory to Study the Human EEG in Health and Cerebral Pathology                                                                                  | Neuroscience and Behavioral Physiology                              | 2023 | 10.1007/s11055-023-01437-1        |
| Effect of Plasma Treatment of Biomedical Scaffolds on Neuronal Cell Adhesion                                                                                                   | Crystallography Reports                                             | 2023 | 10.1134/S1063774523600308         |
| Difraction and complementary analysis methods for the design of MFI-type titanosilicalites with catalytic properties                                                           | Materials Chemistry and Physics                                     | 2023 | 10.1016/j.matchemphys.2023.128054 |
| 3D-ПЕЧАТЬ ГИДРОГЕЛЕМ НА ОСНОВЕ ЙОТА-КАРРАГИНАНА С ИММОБИЛИЗОВАННЫМИ КЛЕТКАМИ МИКРОВОДОРОСЛЕЙ <i>Chlorella vulgaris</i>                                                         | Российские нанотехнологии                                           | 2023 |                                   |
| Adsorption of 40 low molecular weight drugs on pristine and fluorinated C60 fullerenes: Ab initio, statistical and neural networks analysis                                    | Journal of Molecular Liquids                                        | 2023 | 10.1016/j.molliq.2023.121559      |
| Расчеты из первых принципов физических свойств орторомбического $\text{Hf}_{x-1}\text{O}_2$ (A = Zr, Ti)                                                                       | Ученые записки физического факультета Московского университета      | 2023 |                                   |
| Thin Films of Cobalt(II) Clathrochelate for Molecular Spintronic Devices                                                                                                       | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya | 2023 | 10.1134/S1070328422700269         |
| Crown-hydroxylamines are pH-dependent chelating N,O-ligands with a potential for aerobic oxidation catalysis                                                                   | Nature Communications                                               | 2023 | 10.1038/s41467-023-43530-6        |
| Эволюция люминесцентных свойств одиночных нанокристаллов перовскита $\text{CsPbBr}_3$ в процессе фотодеградаци                                                                 | Письма в Журнал экспериментальной и теоретической физики            | 2023 |                                   |
| Исследование свойств филаментов в структурах на основе $\text{HfO}_2$ при помощи атомно-силовой микроскопии с измерением проводимости                                          | Журнал технической физики                                           | 2023 |                                   |
| Mixed-Valence Bridged Norbornylogous Compounds as Switchable Cells for Molecular Quantum Cellular Automata: A Compromise between High Polarizability and Low Power Dissipation | Journal of Physical Chemistry A                                     | 2023 | 10.1021/acs.jpca.3c05106          |

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| Synthesis of Quinoline-Based New Chiral Derivatizing Reagents and its use in the Derivatization and Enantioseparation of Few Structurally Similar $\beta$ -Blockers using Liquid Chromatography and Structural Optimization using DFT | Asian Journal of Chemistry                                          | 2023 | 10.14233/ajchem.2023.28037 |
| $\beta$ -бидентатный диамидофосфит на основе 3-[[фенилтио]метил]фенола                                                                                                                                                                | Известия Академии наук. Серия химическая                            | 2023 |                            |
| Analyzing Variations in the Concentration of Radon Decay Products in the Near-Surface Layer of the Atmosphere                                                                                                                         | Bulletin of the Russian Academy of Sciences: Physics                | 2023 | 10.3103/S1062873823702581  |
| Spin Order Transfer from a Parahydrogen Molecule to a Cyanide Ion in the Iridium Complex under the SABRE Conditions                                                                                                                   | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya | 2023 | 10.1134/S1070328423600444  |
| Modelling of coupled magnetoelastic waves in structure containing thin antiferromagnetic films on an elastic substrate                                                                                                                | Journal of Physics D: Applied Physics                               | 2023 | 10.1088/1361-6463/acc4d3   |
| Effect of the Gas Temperature on Agglomeration of Au Nanoparticles Synthesized by Spark Discharge and Their Application in Surface-Enhanced Raman Spectroscopy                                                                        | Metals                                                              | 2023 | 10.3390/met13020301        |
| In the quest for an optimal parametric regime of nonadiabatic switching ensuring low heat release in conjunction with high polarizability of mixed-valence molecular dimers                                                           | Physical Chemistry Chemical Physics                                 | 2023 | 10.1039/d3cp01932b         |
| Магнитные свойства тонких пленок $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ , полученных магнетронным распылением                                                                                                                   | Письма в Журнал технической физики                                  | 2023 |                            |
| Relation between the Chiral Separation Effect and the Axial Anomaly in Real-Time Formalism                                                                                                                                            | Physics of Particles and Nuclei                                     | 2023 | 10.1134/S1063779623050118  |
| Mutual influence of intermodal and fundamental four-wave mixing of 1.0 $\mu\text{m}$ and 1.5 $\mu\text{m}$ nanosecond pulses in a dual-wavelength fiber laser                                                                         | Optics Letters                                                      | 2023 | 10.1364/OL.498837          |
| The Possibility of Saturation Transfer in a New Nickel(II) Complex with 2,6-Bis(pyrazol-3-yl)pyridine                                                                                                                                 | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya | 2023 | 10.1134/S1070328423700677  |
| Technology of manufacturing thin-film aluminum nanostructures by dry aerosol printing                                                                                                                                                 | ST PETER POLY U J-PH                                                | 2023 |                            |
| Thiophosphorylated indoles as a promising platform for the creation of cytotoxic Pd(II) pincer complexes                                                                                                                              | Inorganica Chimica Acta                                             | 2023 | 10.1016/j.ica.2022.121369  |
| Studies of the low- and high-order optical nonlinearities of mercury selenide quantum dots using femtosecond pulses                                                                                                                   | Applied Physics B: Lasers and Optics                                | 2023 | 10.1007/s00340-023-08041-8 |
| Classification of Brandy and Cognac Production by Geographical Origin and Aging Using Raman Scattering and Machine Learning                                                                                                           | Measurement Techniques                                              | 2023 | 10.1007/s11018-023-02207-8 |
| Magnetic Force and Nonlinear Optical Microscopy of the Surface Domain Structure in an Epitaxial Iron Garnet Film                                                                                                                      | Journal of Experimental and Theoretical Physics                     | 2023 | 10.1134/S1063776123010077  |

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| Applicability of the Fridman-Macheret $\alpha$ -Model to Heterogeneous Processes in the Case of Dissociative Adsorption of N <sub>2</sub> on the Ru Surface                                             | Journal of Physical Chemistry C                                                                             | 2023 | 10.1021/acs.jpcc.3c01967      |
| C(21)-Di- and monofluorinated scaffold for thevinol/orvinol-based opioid receptor ligands                                                                                                               | Organic and Biomolecular Chemistry                                                                          | 2023 | 10.1039/d3ob01577g            |
| Effects of solvatomorphism, the nature of a chelating ligand synthon and a counterion on the single crystal XRD structure and SMM properties of paramagnetic monocapped cobalt(ii) tris-pyrazoloximates | Dalton Transactions                                                                                         | 2023 | 10.1039/d3dt03025c            |
| Modulation of the Cytotoxic Properties of Pd(II) Complexes Based on Functionalized Carboxamides Featuring Labile Phosphoryl Coordination Sites                                                          | Pharmaceutics                                                                                               | 2023 | 10.3390/pharmaceutics15041088 |
| Neuromorphic Systems: Devices, Architecture, and Algorithms                                                                                                                                             | Russian Microelectronics                                                                                    | 2023 | 10.1134/S1063739723700555     |
| Coordination Compounds in Devices of Molecular Spintronics                                                                                                                                              | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya                                         | 2023 | 10.1134/S107032842270004X     |
| Hamiltonian reductions in matrix Painlevé systems                                                                                                                                                       | Letters in Mathematical Physics                                                                             | 2023 | 10.1007/s11005-023-01651-5    |
| Complexation of Methylthio and Methoxy Derivatives of Styryl Dyes with Cucurbit[6]uril                                                                                                                  | High Energy Chemistry                                                                                       | 2023 | 10.1134/S0018143923090060     |
| Spark Discharge Synthesis and Characterization of Ge/Sn Janus Nanoparticles                                                                                                                             | Nanomaterials                                                                                               | 2023 | 10.3390/nano13101701          |
| УПРУГОСТЬ СИЛЬНО ЗАЦЕПЛЕННЫХ ПОЛИМЕРНЫХ СЕТОК И ГЕЛЕЙ: ОБЗОР МОДЕЛЕЙ И ТЕОРИЯ НЕАФИННЫХ ДЕФОРМАЦИЙ                                                                                                      | Высокомолекулярные соединения. Серия С                                                                      | 2023 |                               |
| Уравнение состояния циркония при высоких давлениях                                                                                                                                                      | Теплофизика высоких температур                                                                              | 2023 |                               |
| ПОДАВЛЕНИЕ ФОТОДЕГРАДАЦИИ КРАСИТЕЛЯ С ПОМОЩЬЮ СИЛЬНОЙ СВЯЗИ                                                                                                                                             | Фотон-экспресс                                                                                              | 2023 |                               |
| Comparison of Methods for Calculation of Superconducting Integrated Structures Using Semi-Analytical Calculation and 3D Numerical Simulation                                                            | Journal of Communications Technology and Electronics                                                        | 2023 | 10.1134/S1064226923090115     |
| Определение границ геологических слоёв методом миграции в обратном времени                                                                                                                              | Радиоэлектроника. Наносистемы. Информационные технологии                                                    | 2023 |                               |
| Investigation of the Dynamics of Two Connected Bodies in the Plane of a Circular Orbit Using Computer Algebra Methods                                                                                   | Mathematics in Computer Science                                                                             | 2023 | 10.1007/s11786-023-00569-4    |
| Grid Convergence Analysis of Grid-Characteristic Method on Chimera Meshes in Ultrasonic Nondestructive Testing of Railroad Rail                                                                         | Computational Mathematics and Mathematical Physics                                                          | 2023 | 10.1134/S0965542523100056     |
| Верификатор промежуточного представления компилятора OpenArkCompiler                                                                                                                                    | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                               |

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| Effects of Al <sub>2</sub> O <sub>3</sub> addition on microstructure and luminescence of transparent germanosilicate glass-ceramics with incorporated spinel Ga-oxide nanocrystals | Ceramics International                                          | 2023 | 10.1016/j.ceramint.2022.09.128 |
| Использование алгоритмов оценивания параметров движения для повышения пропускной способности линии метро                                                                           | Информационные процессы                                         | 2023 |                                |
| Explicit–Implicit Schemes for Calculating the Dynamics of Elastoviscoplastic Media with a Short Relaxation Time                                                                    | Differential Equations                                          | 2023 | 10.1134/S0012266123060101      |
| Computational Analysis of Hemodynamic Indices Based on Personalized Identification of Aortic Pulse Wave Velocity by a Neural Network                                               | Mathematics                                                     | 2023 | 10.3390/math11061358           |
| Семейство методов обратных характеристик                                                                                                                                           | Computational Mathematics and Information Technologies          | 2023 |                                |
| Temporal correlation between hard x rays and radio emissions in the MHz and GHz frequency ranges generated by a laboratory high-voltage discharge                                  | Journal of Applied Physics                                      | 2023 | 10.1063/5.0168616              |
| Effect of cross-flow disturbances on slender body separation from a cavity or rigid surface                                                                                        | AIP Conference Proceedings                                      | 2023 | 10.1063/5.0132434              |
| Моделирование распространения динамических возмущений, в пористых средах сеточно-характеристическим методом с явным выделением неоднородностей                                     | Журнал вычислительной математики и математической физики        | 2023 |                                |
| Fermionic T duality of double field theory                                                                                                                                         | Physical Review D                                               | 2023 | 10.1103/PhysRevD.107.066028    |
| Simulation of Propagation of Dynamic Perturbations in Porous Media by the Grid-Characteristic Method with Explicit Description of Heterogeneities                                  | Computational Mathematics and Mathematical Physics              | 2023 | 10.1134/S0965542523100093      |
| Stabilization of crossflow mode by grooves on a supersonic swept wing                                                                                                              | Theoretical and Computational Fluid Dynamics                    | 2023 | 10.1007/s00162-023-00658-x     |
| Ab initio calculations of the interaction potentials and thermodynamic functions for ArN and ArN <sup>+</sup>                                                                      | Journal of Computational Chemistry                              | 2023 | 10.1002/jcc.27078              |
| Temperature and vibration OTDR measurements with a single mode-multimode-single mode fiber structure                                                                               | Progress in Biomedical Optics and Imaging - Proceedings of SPIE | 2023 | 10.1117/12.2646114             |
| Неабелева фермионная Т-дуальность для фундаментальной струны                                                                                                                       | Теоретическая и математическая физика                           | 2023 |                                |
| High-Energy Part of the Accelerator for the DARIA Compact Neutron Source: Drift Tube Linac                                                                                         | Journal of Surface Investigation                                | 2023 | 10.1134/S1027451023040079      |
| <sup>15</sup> N Isotope Enrichment of the Atomic Nitrogen Component in Atomic-Molecular Exchange Reactions in the Post-Discharge Zone                                              | Technical Physics                                               | 2023 | 10.1134/S1063784223900838      |

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| Effect of Internal Pressure on Incipient Ferroelectricity of Nanoconfined Water Molecules Observed in Hydrothermally Grown Beryl Crystals          | Physica Status Solidi (B) Basic Research                                                                                             | 2023 | 10.1002/pssb.202200405      |
| Clustering in Oxygen Nuclei and Spectator Fragments in 16O–16O Collisions at the LHC                                                               | Physics (Switzerland)                                                                                                                | 2023 | 10.3390/physics5020027      |
| Development of a Method for Recovery of the Energy Spectra of Precipitating Electrons from the Data of Measurements in the Atmosphere              | Geomagnetism and Aeronomy                                                                                                            | 2023 | 10.1134/S0016793223600479   |
| Волноведущие структуры и фотонные разветвители, созданные методом прямого (3 + 1)D лазерного письма                                                | Известия Российской академии наук. Серия физическая                                                                                  | 2023 |                             |
| О параметрах центрифуги, при которых в её роторе возникает изотопически селективный атомно-молекулярный обмен в азоте                              | Вопросы атомной науки и техники. Серия: Физика ядерных реакторов                                                                     | 2023 |                             |
| Testing entanglement of annihilation photons                                                                                                       | Scientific Reports                                                                                                                   | 2023 | 10.1038/s41598-023-34767-8  |
| Iodine oxoacids enhance nucleation of sulfuric acid particles in the atmosphere                                                                    | Science                                                                                                                              | 2023 | 10.1126/science.adh2526     |
| Preloaded thin thread deformation under transverse impact                                                                                          | AIP Conference Proceedings                                                                                                           | 2023 | 10.1063/5.0132239           |
| Влияние плазменной обработки биомедицинских матриц на адгезию нейрональных клеток                                                                  | Кристаллография                                                                                                                      | 2023 |                             |
| СЕТОЧНО-ХАРАКТЕРИСТИЧЕСКИЙ МЕТОД ПОВЫШЕННОГО ПОРЯДКА ДЛЯ СИСТЕМ ГИПЕРБОЛИЧЕСКИХ УРАВНЕНИЙ С КУСОЧНО-ПОСТОЯННЫМИ КОЭФФИЦИЕНТАМИ                     | Дифференциальные уравнения                                                                                                           | 2023 |                             |
| Towards versatile photonics based on GaP nanowires decorated with carbon dots                                                                      | ST PETER POLY U J-PH                                                                                                                 | 2023 |                             |
| Natural Edge Bilayer Graphene Transistor                                                                                                           | Russian Microelectronics                                                                                                             | 2023 | 10.1134/S1063739723600541   |
| Photocatalytic Activity of TiNbC-Modified TiO2 during Hydrogen Evolution and CO2 Reduction                                                         | Applied Sciences (Switzerland)                                                                                                       | 2023 | 10.3390/app13169410         |
| Ultrathin and Ultrasmooth Gold Films on van der Waals Materials                                                                                    | Bulletin of the Russian Academy of Sciences: Physics                                                                                 | 2023 | 10.1134/S1062873823705962   |
| Electro-chemo-mechanical design of polymer matrix in composited LiNi0.8Co0.1Mn0.1O2 cathode endows solid-state batteries with superior performance | J ENERGY CHEM                                                                                                                        | 2023 |                             |
| Compact High-Gain Volumetric Phased Array Antenna with Genetically Designed Interelement Resonances for 5G Applications                            | PHYS STATUS SOLIDI-R                                                                                                                 | 2023 |                             |
| Creation of High-Power Technological Nanosecond Frequency-Pulse Solid-State Lasers: Problems and Solutions                                         | Journal of Communications Technology and Electronics                                                                                 | 2023 | 10.1134/S1064226923120161   |
| Learned Smartphone ISP on Mobile GPUs with Deep Learning, Mobile AI & AIM 2022 Challenge: Report                                                   | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-25066-8_3 |

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| DeSlice: An Architecture for QoE-Aware and Isolated RAN Slicing                                                                                                                  | Sensors                                                                                                     | 2023 | 10.3390/s23094351          |
| Research into the Dynamics of a System of Two Connected Bodies Moving in the Plane of a Circular Orbit by Applying Computer Algebra Methods                                      | Computational Mathematics and Mathematical Physics                                                          | 2023 | 10.1134/S0965542523010086  |
| Modification of the Grid-Characteristic Method on Chimera Meshes for 3D Problems of Railway Non-destructive Testing                                                              | Lobachevskii Journal of Mathematics                                                                         | 2023 | 10.1134/S1995080223010262  |
| ЯВНО-НЕЯВНЫЕ СХЕМЫ РАСЧЁТА ДИНАМИКИ УПРУГОВЯЗКОПЛАСТИЧЕСКИХ СРЕД С МАЛЫМ ВРЕМЕНЕМ РЕЛАКСАЦИИ                                                                                     | Дифференциальные уравнения                                                                                  | 2023 |                            |
| Validation of boundary conditions for coronary circulation model based on a lumped parameter approach                                                                            | Russian Journal of Numerical Analysis and Mathematical Modelling                                            | 2023 | 10.1515/rnam-2023-0013     |
| Об аппроксимации граничных условий повышенного порядка в сеточно-характеристических схемах                                                                                       | Доклады Российской академии наук. Математика, информатика, процессы управления                              | 2023 |                            |
| The laser-induced rearrangement of extended defects in crystalline CdTe at a low temperature                                                                                     | Journal of Applied Physics                                                                                  | 2023 | 10.1063/5.0160779          |
| Role of sesquiterpenes in biogenic new particle formation                                                                                                                        | Science Advances                                                                                            | 2023 | 10.1126/SCIADV.ADI5297     |
| Возбуждение фоонов электромагнитными импульсами: от микро- к макроописанию процесса                                                                                              | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                            |
| Discovery of high-Q Fabry-Pérot supercavity modes                                                                                                                                | Applied Physics Letters                                                                                     | 2023 | 10.1063/5.0169893          |
| All-Optical Gain Clamping of a Fiber Amplifier with Remote Optical Pumping                                                                                                       | Bulletin of the Lebedev Physics Institute                                                                   | 2023 | 10.3103/S1068335623220049  |
| Tunable THz flat zone plate based on stretchable single-walled carbon nanotube thin film                                                                                         | Optica                                                                                                      | 2023 | 10.1364/OPTICA.475385      |
| Synthesis of Microstructures of Hexagonal Boron Nitride in Gyrotron Discharge in Metal–Dielectric Powder Mixtures                                                                | High Energy Chemistry                                                                                       | 2023 | 10.1134/S0018143923070111  |
| Plasma-Chemical Facility for Synthesis of Micro- and Nanoparticles Having Controlled Compositions and Structures on the Basis of a Microwave Discharge in the Gyrotron Radiation | Radiophysics and Quantum Electronics                                                                        | 2023 | 10.1007/s11141-023-10261-z |
| Atomic force microscopy-based approaches for single-molecule investigation of nucleic acid–protein complexes                                                                     | Biophysical Reviews                                                                                         | 2023 | 10.1007/s12551-023-01111-3 |
| Grid-Characteristic Numerical Method on an Irregular Grid with Extending the Interpolation Stencil                                                                               | Computational Mathematics and Mathematical Physics                                                          | 2023 | 10.1134/S0965542523100147  |
| Optical Properties of Carbon Dots Synthesized by the Hydrothermal Method                                                                                                         | Materials                                                                                                   | 2023 | 10.3390/ma16114018         |
| Уточненные схемы расчета динамики упруговязкопластических сред                                                                                                                   | Журнал вычислительной математики и математической физики                                                    | 2023 |                            |

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| Exsolution of oxygen impurity from diamond lattice and formation of pressurized CO <sub>2</sub> -I precipitates                                                                                   | Carbon Trends                                            | 2023 | 10.1016/j.cartre.2023.100270           |
| Physiologically Based Pharmacokinetic Modelling of Accumulation Kinetics of Silver Nanoparticles in a Mammalian Organism                                                                          | Nanobiotechnology Reports                                | 2023 | 10.1134/S2635167623601201              |
| НЕЭРМИТОВЫЙ ФАЗОВЫЙ ПЕРЕХОД В ОТКРЫТОЙ СИСТЕМЕ, ВЗАИМОДЕЙСТВУЮЩЕЙ С РЕЗЕРВУАРАМИ КОНЕЧНОГО РАЗМЕРА                                                                                                | Фотон-экспресс                                           | 2023 |                                        |
| The resistance of quantum entanglement to temperature in the Kugel-Khomskii model                                                                                                                 | SciPost Physics Core                                     | 2023 | 10.21468/SciPostPhysCore.6.2.025       |
| Обобщенное соотношение Крютера и V-схема: аналитические результаты в КХД и КЭД в четвертом порядке теории возмущений                                                                              | Теоретическая и математическая физика                    | 2023 |                                        |
| The spatial string tension from the field correlator method                                                                                                                                       | European Physical Journal C                              | 2023 | 10.1140/epjc/s10052-023-12060-2        |
| Bosonic Representation of Matrices and Angular Momentum Probabilistic Representation of Cyclic States                                                                                             | Entropy                                                  | 2023 | 10.3390/e25121628                      |
| Generalized 11D supergravity equations from tri-vector deformations                                                                                                                               | European Physical Journal C                              | 2023 | 10.1140/epjc/s10052-022-11163-6        |
| Nonlocal (fractional-differential) model of cosmic ray transport in the interstellar medium                                                                                                       | Physics-Uspekhi                                          | 2023 | 10.3367/UFNe.2021.12.039118            |
| Number-Theory Renormalization of Vacuum Energy                                                                                                                                                    | P-Adic Numbers, Ultrametric Analysis, and Applications   | 2023 | 10.1134/S2070046623040039              |
| Связь между эффектом кирального разделения и осевой аномалией в формализме реального времени                                                                                                      | Физика элементарных частиц и атомного ядра               | 2023 |                                        |
| Numerical simulation of fluid flow in a blood pump in the FlowVision software package; [Численное моделирование течения жидкости в насосе для перекачки крови в программном комплексе FlowVision] | Computer Research and Modeling                           | 2023 | 10.20537/2076-7633-2023-15-4-1025-1038 |
| Representation of the RG-Invariant Quantities in Perturbative QCD through Powers of the Conformal Anomaly                                                                                         | Physics of Particles and Nuclei                          | 2023 | 10.1134/S1063779623050106              |
| Spatial Structure of the Plasma Flows in the Magnetic Fields of Laser Plasma                                                                                                                      | Journal of Experimental and Theoretical Physics          | 2023 | 10.1134/S1063776123030111              |
| Backreaction issue for the black hole in de Sitter spacetime                                                                                                                                      | Physical Review D                                        | 2023 | 10.1103/PhysRevD.107.105012            |
| Эффект разделения киральностей в кварк-глюонной плазме                                                                                                                                            | Письма в Журнал экспериментальной и теоретической физики | 2023 |                                        |
| Dependence of the Results of Nucleosynthesis on the Equation of State for Neutron-Star Matter                                                                                                     | Physics of Atomic Nuclei                                 | 2023 | 10.1134/S1063778823050216              |
| Loop corrections to the current of pairs created in a lengthy electric pulse                                                                                                                      | Physical Review D                                        | 2023 | 10.1103/PhysRevD.107.125006            |
| Fractional Model of Multiple Trapping with Charge Leakage: Transient Photoconductivity and Transit–Time Dispersion                                                                                | Fractal and Fractional                                   | 2023 | 10.3390/fractalfract7030243            |

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| Особенности структуры быстро закаленного сплава системы Al–Cu–Fe с декагональными квазикристаллами                                                                                      | Кристаллография                                                                 | 2023 |                              |
| On 10-Dimensional Exceptional Drinfel'd Algebras                                                                                                                                        | Physics of Particles and Nuclei Letters                                         | 2023 | 10.1134/S1547477123060213    |
| Exact solution of the 1D Dirac equation for a pseudoscalar interaction potential with the inverse-square-root variation law                                                             | Scientific Reports                                                              | 2023 | 10.1038/s41598-023-40604-9   |
| On 10-dimensional Exceptional Drinfeld algebras                                                                                                                                         | Progress of Theoretical and Experimental Physics                                | 2023 | 10.1093/ptep/ptad100         |
| Local structure, thermodynamics, and melting of boron phosphide at high pressures by deep learning-driven ab initio simulations                                                         | Journal of Chemical Physics                                                     | 2023 | 10.1063/5.0165948            |
| Nanocolloidal hydrogel mimics the structure and nonlinear mechanical properties of biological fibrous networks                                                                          | Proceedings of the National Academy of Sciences of the United States of America | 2023 | 10.1073/pnas.2220755120      |
| О 10-мерных исключительных алгебрах Дринфельда                                                                                                                                          | Письма в журнал Физика элементарных частиц и атомного ядра                      | 2023 |                              |
| Quantum Oscillator at Temperature T and the Evolution of a Charged-Particle State in the Electric Field in the Probability Representation of Quantum Mechanics                          | Entropy                                                                         | 2023 | 10.3390/e25020213            |
| A generalized Crewther relation and the V scheme: analytic results in fourth-order perturbative QCD and QED                                                                             | Theoretical and Mathematical Physics(Russian Federation)                        | 2023 | 10.1134/S0040577923100045    |
| Нелокальная (дробно-дифференциальная) модель переноса космических лучей в межзвёздной среде                                                                                             | Успехи физических наук                                                          | 2023 |                              |
| Deformation Properties and Nuclear Radii of Hg Isotopes                                                                                                                                 | Physics of Atomic Nuclei                                                        | 2023 | 10.1134/S1063778823030055    |
| Subthreshold phonon generation in an optomechanical system with an exceptional point                                                                                                    | Optics Letters                                                                  | 2023 | 10.1364/OL.485245            |
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| Possibilities of Modern Scanning Transmission Electron Microscopy for Studying Boron Carbides                                                                                           | Crystallography Reports                                                         | 2023 | 10.1134/S1063774523010170    |
| Self-Consistent Calculation of Nuclear Charge Radii in K Isotopes                                                                                                                       | Physics of Particles and Nuclei                                                 | 2023 | 10.1134/S106377962304010X    |
| Multi-Terminal Nonwoven Stochastic Memristive Devices Based on Polyamide-6 and Polyaniline for Neuromorphic Computing                                                                   | Biomimetics                                                                     | 2023 | 10.3390/biomimetics8020189   |
| Evolution of the phase composition, crystal structure and magnetic properties of core@shell nanoparticles obtained during conversion of ferrocene at high pressure and high temperature | Applied Surface Science                                                         | 2023 | 10.1016/j.apsusc.2022.156269 |
| Dissociative ionization and Coulomb explosion of CH4 in two-color asymmetric intense laser fields                                                                                       | Physical Chemistry Chemical Physics                                             | 2023 | 10.1039/d3cp02337k           |
| ЭФФЕКТИВНОЕ ПОДАВЛЕНИЕ ФАЗОВОГО ШУМА ПОД ДЕЙСТВИЕМ ВНЕШНЕЙ СИЛЫ В ЛИНЕЙНОМ ОСЦИЛЛЯТОРЕ                                                                                                  | Современная электродинамика                                                     | 2023 |                              |

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| Comparative study of photoelectron momentum distributions from Kr and CO2 near a backward rescattering caustic by carrier-envelope-phase mapping                                                                                 | Physical Review A                                                                                              | 2023 | 10.1103/PhysRevA.107.033101  |
| Self-Organized Memristive Ensembles of Nanoparticles Below the Percolation Threshold: Switching Dynamics and Phase Field Description                                                                                             | Nanomaterials                                                                                                  | 2023 | 10.3390/nano13142039         |
| Применение формул Галкина для исследования эффекта смены знака коэффициента подъемной силы осесимметричных тел                                                                                                                   | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)    | 2023 |                              |
| GRID-CHARACTERISTIC DIFFERENCE SCHEME FOR SOLVING THE HOPF EQUATION BASED ON TWO DIFFERENT DIVERGENT FORMS; [СЕТОЧНО-ХАРАКТЕРИСТИЧЕСКАЯ РАЗНОСТНАЯ СХЕМА ДЛЯ РЕШЕНИЯ УРАВНЕНИЯ ХОПФА НА ОСНОВЕ ДВУХ РАЗЛИЧНЫХ ДИВЕРГЕНТНЫХ ФОРМ] | Bulletin of the South Ural State University, Series: Mathematical Modelling, Programming and Computer Software | 2023 | 10.14529/mmp230209           |
| Decomposed photon anomalous dimension in QCD and the $\{\beta\}$ -expanded representations for the Adler function                                                                                                                | Physical Review D                                                                                              | 2023 | 10.1103/PhysRevD.108.096027  |
| МОДЕЛЬ ВОЛОКОННОГО ЭРБИЕВОГО УСИЛИТЕЛЯ ДЛЯ АНАЛИЗА РАСПРОСТРАНЕНИЯ ПОЛЕЗНОГО СИГНАЛА И ШУМОВ                                                                                                                                     | Современная электродинамика                                                                                    | 2023 |                              |
| On the Possibility of Studying the Erosion Products of the Tokamak First Wall Materials by Spectroscopic Methods (Review)                                                                                                        | Physics of Atomic Nuclei                                                                                       | 2023 | 10.1134/S1063778823130100    |
| Nuclear Spin-Isospin Response within the Fayans Functional                                                                                                                                                                       | Physics of Atomic Nuclei                                                                                       | 2023 | 10.1134/S1063778823040099    |
| ПРОЦЕССЫ РЕЛАКСАЦИИ В СИСТЕМАХ С УЛЬТРА- И ГЛУБОКОЙ СИЛЬНОЙ СВЯЗЬЮ                                                                                                                                                               | Фотон-экспресс                                                                                                 | 2023 |                              |
| Generalizing Generalized Supergravity                                                                                                                                                                                            | Physics of Particles and Nuclei Letters                                                                        | 2023 | 10.1134/S1547477123030330    |
| Adiabatic theory of generation and rescattering of vortex electrons in strong-field ionization by elliptically polarized pulses                                                                                                  | Physical Review A                                                                                              | 2023 | 10.1103/PhysRevA.107.053114  |
| Векторные поля и инварианты полной симметричной системы Тоды                                                                                                                                                                     | Теоретическая и математическая физика                                                                          | 2023 |                              |
| Description of a glass transition with immeasurable structural relaxation time                                                                                                                                                   | Physica A: Statistical Mechanics and its Applications                                                          | 2023 | 10.1016/j.physa.2023.128610  |
| Эффекты общей теории относительности в прецизионных спиновых экспериментах по проверке фундаментальных симметрий                                                                                                                 | Успехи физических наук                                                                                         | 2023 |                              |
| Signature of exceptional point phase transition in Hermitian systems                                                                                                                                                             | Quantum                                                                                                        | 2023 | 10.22331/q-2023-04-17-982    |
| Energy transport induced by transition from the weak to the strong coupling regime between non-Hermitian optical systems                                                                                                         | Journal of the Optical Society of America B: Optical Physics                                                   | 2023 | 10.1364/JOSAB.499439         |
| How a Chain Can Be Extended While Its Bonds Are Compressed                                                                                                                                                                       | ACS Macro Letters                                                                                              | 2023 | 10.1021/acsmacrolett.3c00097 |

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| Multicenter and multiple elastic rescattering in CO2 molecules studied by carrier-envelope phase mapping                                                  | CLEO: Fundamental Science, CLEO:FS 2023                                                                                        | 2023 | 10.1364/CLEO_FS.2023.ftu4m.4       |
| Analytical Description of Cyclotron Plasma Resonances in Monolayer Graphene                                                                               | Plasma Physics Reports                                                                                                         | 2023 | 10.1134/S1063780X22601997          |
| Аналитическое описание циклотронных плазменных резонансов в монослойном графене                                                                           | Физика плазмы                                                                                                                  | 2023 |                                    |
| Conditionally exactly solvable Dirac potential, including $\times 1/3$ pseudoscalar interaction                                                           | Physica Scripta                                                                                                                | 2023 | 10.1088/1402-4896/acdf2a           |
| Collapses and revivals of polarization and radiation intensity induced by strong exciton-vibron coupling                                                  | Physical Review B                                                                                                              | 2023 | 10.1103/PhysRevB.108.014311        |
| Monotropic type transformations of diamond below the Berman-Simon line                                                                                    | Carbon                                                                                                                         | 2023 | 10.1016/j.carbon.2023.118033       |
| Surface Tamm States of 2–5 nm Nanodiamond via Raman Spectroscopy                                                                                          | Nanomaterials                                                                                                                  | 2023 | 10.3390/nano13040696               |
| Combination of Organic-Based Reservoir Computing and Spiking Neuromorphic Systems for a Robust and Efficient Pattern Classification                       | Advanced Intelligent Systems                                                                                                   | 2023 | 10.1002/aisy.202200407             |
| Measurement of Photoelectrophysical Characteristics of Conductive Layers of CsPbBr3 Colloidal Quantum Dots                                                | High Energy Chemistry                                                                                                          | 2023 | 10.1134/S0018143923030116          |
| The Dichotomy of Mn–H Bond Cleavage and Kinetic Hydricity of Tricarbonyl Manganese Hydride Complexes                                                      | Molecules                                                                                                                      | 2023 | 10.3390/molecules28083368          |
| Hemilabile Diamidophosphite-Thioether Ligands with a $\beta$ -Hydroxy Sulfide Backbone: Palladium(II) Complexes and Asymmetric Allylic Substitution       | Organometallics                                                                                                                | 2023 | 10.1021/acs.organomet.3c00212      |
| (Aminoalkyl)diphenylphosphine sulfides: synthesis and application as building blocks in the design of multidentate ligands for cytotoxic Pd(II) complexes | Organic and Biomolecular Chemistry                                                                                             | 2023 | 10.1039/d3ob01309j                 |
| Treatment of Carbon Nanotube Thread in a Microwave Magnetic Field                                                                                         | 2023 IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, 3M-NANO 2023 - Proceedings | 2023 | 10.1109/3M-NANO58613.2023.10305302 |
| Phosphine-free synthesis of selenide colloidal quantum dots                                                                                               | ST PETER POLY U J-PH                                                                                                           | 2023 |                                    |
| Evolution of the Luminescence Properties of Single CsPbBr3 Perovskite Nanocrystals During Photodegradation                                                | JETP Letters                                                                                                                   | 2023 | 10.1134/S002136402360283X          |
| Nitronate-aryne cycloaddition as a concise route to stereochemically complex fused benzisoxazolines and amino alcohols                                    | Organic and Biomolecular Chemistry                                                                                             | 2023 | 10.1039/d3ob00235g                 |
| Wet oxidative functionalization of carbon nanotube cloth to boost its performance as a flexible supercapacitor electrode                                  | Electrochimica Acta                                                                                                            | 2023 | 10.1016/j.electacta.2022.141501    |

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| ВЫДЕЛЕНИЕ СИГНАЛОВ ОТ ТЕПЛОВЫХ НЕЙТРОНОВ В ЭЛЕКТРОННО-НЕЙТРОННЫХ ДЕТЕКТОРАХ С ИСПОЛЬЗОВАНИЕМ СВЕРТОЧНЫХ НЕЙРОННЫХ СЕТЕЙ В ЭКСПЕРИМЕНТЕ ENDA                                                                                                     | Журнал экспериментальной и теоретической физики      | 2023 |                                     |
| COMPENSATION RATIO OF ACCEPTOR CENTERS IN DIFFERENT GROWTH SECTORS OF BORON-DOPED HPHT DIAMOND; [СТЕПЕНЬ КОМПЕНСАЦИИ АКЦЕПТОРОВ В ЛЕГИРОВАННОМ БОРОМ HPHT АЛМАЗЕ В РАЗНЫХ СЕКТОРАХ РОСТА]                                                       | ChemChemTech                                         | 2023 | 10.6060/ivkkt.20236610.7y           |
| Control of the diastereoselectivity at C(20) in the formation of C(21)-fluorinated thevinols                                                                                                                                                    | Organic and Biomolecular Chemistry                   | 2023 | 10.1039/d2ob02144g                  |
| CHARACTERIZATION OF COGNACS AND GRAPE BRANDIES BY FLUORESCENCE SPECTRA PROCESSED USING MACHINE LEARNING METHODS;<br>[Характеризация коньяков и виноградных бренди по спектрам флуоресценции, обработанным с помощью методов машинного обучения] | Industrial Laboratory. Materials Diagnostics         | 2023 | 10.26896/1028-6861-2023-89-10-25-33 |
| Investigation of Ligand Exchange in Thin Films of PbS Colloidal Quantum Dots with FTIR-Spectroscopy                                                                                                                                             | Journal of Communications Technology and Electronics | 2023 | 10.1134/S1064226923140152           |
| НИЗКОТЕМПЕРАТУРНОЕ ОКИСЛЕНИЕ КРЕМНИЯ С ИСПОЛЬЗОВАНИЕМ ГЕНЕРАТОРА ОЗОНА                                                                                                                                                                          | Электронная техника. Серия 3: Микроэлектроника       | 2023 |                                     |
| ЭНЕРГЕТИЧЕСКИЕ БАРЬЕРЫ МИГРАЦИИ ТОЧЕЧНЫХ ДЕФЕКТОВ В TiN ИЗ ПЕРВЫХ ПРИНЦИПОВ                                                                                                                                                                     | Электронная техника. Серия 3: Микроэлектроника       | 2023 |                                     |
| Upregulation of YciM Expression Reduces Endotoxin Contamination of Recombinant Proteins Produced in Escherichia coli Cells                                                                                                                      | Biochemistry (Moscow)                                | 2023 | 10.1134/S0006297923090110           |
| Zero-Field Slow Magnetic Relaxation in Binuclear Dy Acetylacetonate Complex with Pyridine-N-Oxide                                                                                                                                               | Magnetochemistry                                     | 2023 | 10.3390/magnetochemistry9040105     |
| Enhanced Antibacterial Activity of Novel Fluorescent Glutathione-Capped Ag Nanoclusters                                                                                                                                                         | International Journal of Molecular Sciences          | 2023 | 10.3390/ijms24098306                |
| DIGITAL PROCESSING OF SURFACE IMAGES AFTER INDENTATION TO ANALYZE THE DEFORMATION BEHAVIOR OF THE MATERIAL; [АНАЛИЗ ДЕФОРМАЦИОННОГО ПОВЕДЕНИЯ МАТЕРИАЛОВ ПРИ ИНДЕНТИРОВАНИИ С ИСПОЛЬЗОВАНИЕМ МЕТОДОВ ЦИФРОВОЙ ОБРАБОТКИ ИЗОБРАЖЕНИЙ]            | ChemChemTech                                         | 2023 | 10.6060/ivkkt.20236610.11y          |
| Effect of charge diameter on detonation parameters in the mixture of gelled nitromethane/microballoons                                                                                                                                          | PHYS FLUIDS                                          | 2023 |                                     |
| Signal Separation from Thermal Neutrons in Electron–Neutron Detectors Using Convolutional Neural Nets in the ENDA Experiment                                                                                                                    | Journal of Experimental and Theoretical Physics      | 2023 | 10.1134/S1063776123040039           |
| Моделирование внешнего воздействия на резонансные свойства объемного антиферромагнетика $\alpha$ - Fe <sub>2</sub> O <sub>3</sub> при спин-переориентационном переходе                                                                          | Журнал радиоэлектроники                              | 2023 |                                     |

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| Классификация бренди и коньячной продукции по географическому происхождению и сроку выдержки с использованием спектроскопии комбинационного рассеяния и машинного обучения                                       | Измерительная техника        | 2023 |                             |
| Determination of spin and parity of $D_{s1}^*$ mesons                                                                                                                                                            | PHYS LETT B                  | 2023 |                             |
| Precise Measurement of the $e^+e^- \rightarrow D^+sD^-s$ Cross Sections at Center-of-Mass Energies from Threshold to 4.95 GeV                                                                                    | PHYS REV LETT                | 2023 |                             |
| Study of the $e^+e^- \rightarrow \pi^+\pi^-\omega$ process at center-of-mass energies between 4.0 and 4.6 GeV                                                                                                    | J HIGH ENERGY PHYS           | 2023 |                             |
| Measurement of the $B^0$ lifetime and flavor-oscillation frequency using hadronic decays reconstructed in 2019-2021 Belle II data                                                                                | PHYS REV D                   | 2023 |                             |
| Search for invisible decays of a dark photon using $e^+e^-$ annihilation data at BESIII                                                                                                                          | PHYS LETT B                  | 2023 |                             |
| Observation of Three Charmoniumlike States with $J^{PC}=1^{--}$ in $e^+e^- \rightarrow D^{*0}D^0$                                                                                                                | PHYS REV LETT                | 2023 |                             |
| Study of $e^+e^- \rightarrow \pi^+\pi^-\pi^0$ plus at center-of-mass energies from 3.49 to 3.67 GeV                                                                                                              | PHYS REV D                   | 2023 |                             |
| Nonlinear dynamics of a spin-Hall nano-oscillator based on the canted antiferromagnet                                                                                                                            | Chaos                        | 2023 | 10.1063/5.0157136           |
| Development and research of charger operation modes type "needle-plate" for nanoparticle charging                                                                                                                | ST PETER POLY U J-PH         | 2023 |                             |
| P*,S-Bidentate diamidophosphite based on 3-(phenylthiomethyl)phenol                                                                                                                                              | Russian Chemical Bulletin    | 2023 | 10.1007/s11172-023-3897-8   |
| The effect of laser radiation on the properties of platinum nanoparticles produced in a gas discharge                                                                                                            | ST PETER POLY U J-PH         | 2023 |                             |
| Surface Characteristics Affect the Properties of PLGA Nanoparticles as Photothermal Agents                                                                                                                       | Micromachines                | 2023 | 10.3390/mi14081647          |
| Evaluation of carrier frequency of pathogenic variants in genes associated with the development of autosomal and X-linked recessive diseases                                                                     | Profilakticheskaya Meditsina | 2023 | 10.17116/profmed20232612173 |
| Bastrovirusy (Astroviridae): genetic diversity and potential impact on human and animal health; [Бастровирусы (Astroviridae): генетическое разнообразие и потенциальное влияние на здоровье человека и животных] | Voprosy Virusologii          | 2023 | 10.36233/0507-4088-192      |

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| Unwinding the SARS-CoV-2 Ribosomal Frameshifting Pseudoknot with LNA and G-Clamp-Modified Phosphorothioate Oligonucleotides Inhibits Viral Replication                           | Biomolecules                                                            | 2023 | 10.3390/biom13111660          |
| Targeted Two-Step Delivery of Oncotheranostic Nano-PLGA for HER2-Positive Tumor Imaging and Therapy In Vivo: Improved Effectiveness Compared to One-Step Strategy                | Pharmaceutics                                                           | 2023 | 10.3390/pharmaceutics15030833 |
| Simple In Vitro 18O Labeling for Improved Mass Spectrometry-Based Drug Metabolites Identification: Deep Drug Metabolism Study                                                    | International Journal of Molecular Sciences                             | 2023 | 10.3390/ijms24054569          |
| Новые и редкие чужеродные виды во флорах Новосибирской области и Республики Алтай                                                                                                | Бюллетень Московского общества испытателей природы. Отдел биологический | 2023 |                               |
| The Effects of the Hydrogen Sulfide Donor GYY4137 on the Proteasome Pool of Colorectal Cancer Cells                                                                              | Molecular Biology                                                       | 2023 | 10.1134/S0026893323060079     |
| Draft Genome Sequence of Thermomicrobium sp. Strain 4228-Ro, a Thermophilic Bacterium Isolated from a Kamchatka Hot Spring                                                       | Microbiology Resource Announcements                                     | 2023 | 10.1128/mra.01221-22          |
| Optogenetics for sensors: On-demand fluorescent labeling of histone epigenetics                                                                                                  | Biochemical and Biophysical Research Communications                     | 2023 | 10.1016/j.bbrc.2023.149174    |
| Uniformly shaped harmonization combines human transcriptomic data from different platforms while retaining their biological properties and differential gene expression patterns | Frontiers in Molecular Biosciences                                      | 2023 | 10.3389/fmolb.2023.1237129    |
| Electrostatic Potentials Caused by the Release of Protons from Photoactivated Compound Sodium 2-Methoxy-5-nitrophenyl Sulfate at the Surface of Bilayer Lipid Membrane           | Membranes                                                               | 2023 | 10.3390/membranes13080722     |
| Comparison of three approaches to autosomal recessive diseases carrier screening                                                                                                 | Profilakticheskaya Meditsina                                            | 2023 | 10.17116/profmed20232610136   |
| ПОВЫШЕНИЕ УРОВНЯ СИНТЕЗА БЕЛКА YсіМ ПОЗВОЛЯЕТ СНИЗИТЬ ЗАГРЯЗНЕНИЕ ЭНДОТОКСИНАМИ РЕКОМБИНАНТНЫХ БЕЛКОВ, ПОЛУЧАЕМЫХ В <i>Escherichia coli</i>                                      | Биохимия                                                                | 2023 |                               |
| Peptides from the Sea Anemone Metridium senile with Modified Inhibitor Cystine Knot (ICK) Fold Inhibit Nicotinic Acetylcholine Receptors                                         | Toxins                                                                  | 2023 | 10.3390/toxins15010028        |
| Selection of Flax Genotypes for Pan-Genomic Studies by Sequencing Tagmentation-Based Transcriptome Libraries                                                                     | Plants                                                                  | 2023 | 10.3390/plants12213725        |
| Связь гликозилирования белков S-слоя штаммов рода Lactobacillus с характерным мотивом в домене самосборки                                                                        | Вестник Военного инновационного технополиса "Эра"                       | 2023 |                               |
| Strategies for HIV-1 suppression through key genes and cell therapy                                                                                                              | Frontiers in Medicine                                                   | 2023 | 10.3389/fmed.2023.1259995     |

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| Phylogeny and cross-regulation of the YjjM and LeuO transcription factors translated as multiple protein forms from one gene in Escherichia coli                                                                      | Mathematical Biology and Bioinformatics                             | 2023 | 10.17537/2023.18.1                  |
| Genetic features of the Puumala virus (Hantaviridae: Orthohantavirus) identified in the Moscow region; [Генетические особенности вируса Пуумала (Hantaviridae: Orthohantavirus), обнаруженного в Московской области]  | Voprosy Virusologii                                                 | 2023 | 10.36233/0507-4088-177              |
| Methylene blue in anticancer photodynamic therapy: systematic review of preclinical studies                                                                                                                           | Frontiers in Pharmacology                                           | 2023 | 10.3389/fphar.2023.1264961          |
| Search and replication of associations of genome variants with lipid levels in a Russian sample; [Поиск и репликация ассоциаций вариантов генома с уровнями липидов в выборке из представителей российской популяции] | Cardiovascular Therapy and Prevention (Russian Federation)          | 2023 | 10.15829/1728-8800-2023-3871        |
| COVID-19 diagnosis with Deep Learning: Adjacent-pooling CTScan-COVID-19 Classifier Based on ResNet and CBAM                                                                                                           | Biomedical Signal Processing and Control                            | 2023 | 10.1016/j.bspc.2023.105285          |
| AAV genome modification for efficient AAV production                                                                                                                                                                  | Heliyon                                                             | 2023 | 10.1016/j.heliyon.2023.e15071       |
| Hyperglycemia exacerbates ischemic stroke not through increased generation of hydrogen peroxide                                                                                                                       | Free Radical Biology and Medicine                                   | 2023 | 10.1016/j.freeradbiomed.2023.08.004 |
| COMPARISON OF THE ONCOLYTIC ACTIVITY OF RECOMBINANT VACCINIA VIRUS STRAINS LIVP-RFP AND MVA-RFP AGAINST SOLID TUMORS                                                                                                  | B RUSS STATE MED U                                                  | 2023 |                                     |
| THE PREVALENCE OF FAMILIAL DYSBETALIPROTEINEMIA IN ONE OF THE EUROPEAN REGIONS OF THE RUSSIAN FEDERATION                                                                                                              | ATHEROSCLEROSIS                                                     | 2023 |                                     |
| Ultraviolet photoluminescence enhancement of zinc oxide nanocrystals in colloidal mixtures with spark discharge aluminum nanoparticles                                                                                | ST PETER POLY U J-PH                                                | 2023 |                                     |
| Synthesis and Characterization of Sn-Doped CeO <sub>2</sub> -Fe <sub>2</sub> O <sub>3</sub> Nanocomposite and Application in Photocatalytic Degradation of Sudan I                                                    | Biointerface Research in Applied Chemistry                          | 2023 | 10.33263/BRIAC132.179               |
| Search for hidden-charm tetraquark with strangeness in $e^+e^- \rightarrow K^+ D^{*-} s^-$                                                                                                                            | CHINESE PHYS C                                                      | 2023 |                                     |
| Search for the weak radiative decay $\eta_c \rightarrow \gamma \pi^0$ at BESIII                                                                                                                                       | PHYS REV D                                                          | 2023 |                                     |
| Evidence for the Cusp Effect in $\eta_c$ Decays into $\eta \pi^0 \pi^0$                                                                                                                                               | PHYS REV LETT                                                       | 2023 |                                     |
| Bicompatible Metal-Organic Framework for Functional Packing of Food Products                                                                                                                                          | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya | 2023 | 10.1134/S1070328422700257           |

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| Rhodium complexes with planar-chiral cyclopentadienyl ligands: synthesis from tert-butylacetylene and catalytic performance in C-H activation of arylhydroxamates              | Dalton Transactions                                                                                   | 2023 | 10.1039/d3dt03279e                   |
| Tetrachromophoric Derivatives of Dibenzoylmethanoboron Difluoride Based on Stereoregular Cyclotetrasiloxanes: Synthesis and Properties                                         | Journal of Physical Chemistry B                                                                       | 2023 | 10.1021/acs.jpcc.3c02300             |
| Rigidity of dipolar coupled H2O molecular network in external electric field                                                                                                   | Solid State Communications                                                                            | 2023 | 10.1016/j.ssc.2023.115284            |
| Plasma Potential Fluctuations in a Reflex Discharge with Thermionic Cathode                                                                                                    | Plasma Physics Reports                                                                                | 2023 | 10.1134/S1063780X22601766            |
| УВЕЛИЧЕНИЕ ДАЛЬНОСТИ РАСПРЕДЕЛЕННОГО АКУСТИЧЕСКОГО ДАТЧИКА С ИСПОЛЬЗОВАНИЕМ ЭРБИЕВОГО УСИЛИТЕЛЯ С УДАЛЕННОЙ НАКАЧКОЙ                                                           | Первая миля                                                                                           | 2023 |                                      |
| Pervaporation and Gas Separation Properties of High-Molecular Ladder-like Polyphenylsilsesquioxanes                                                                            | Polymers                                                                                              | 2023 | 10.3390/polym15153277                |
| Evolution of Organometallasiloxanes                                                                                                                                            | Polymer Science - Series C                                                                            | 2023 | 10.1134/S181123822370042X            |
| Constrained DFT-based magnetic machine-learning potentials for magnetic alloys: a case study of Fe–Al                                                                          | Scientific Reports                                                                                    | 2023 | 10.1038/s41598-023-46951-x           |
| Toroidal vs cylindrical analytical description of the magnetic field outside the elongated evolving plasma in tokamaks                                                         | Physics of Plasmas                                                                                    | 2023 | 10.1063/5.0142432                    |
| Direct Laser Writing of Microscale 3D Structures: Morphological and Mechanical Properties                                                                                      | Journal of Russian Laser Research                                                                     | 2023 | 10.1007/s10946-023-10106-0           |
| Внедрение концепции Knowledge management (управление знаниями) в деятельности медицинских организаций                                                                          | Бюллетень Национального научно-исследовательского института общественного здоровья имени Н.А. Семашко | 2023 |                                      |
| О медицинской составляющей в профессиональной подготовке социальных работников                                                                                                 | Труд и социальные отношения                                                                           | 2023 |                                      |
| АНАЛИЗ ВЛИЯНИЯ ЦИФРОВИЗАЦИИ ЗДРАВООХРАНЕНИЯ НА СТРУКТУРНЫЕ ИЗМЕНЕНИЯ В ОКАЗАНИИ МЕДИЦИНСКОЙ ПОМОЩИ (ЧАСТЬ 1)                                                                   | Проблемы стандартизации в здравоохранении                                                             | 2023 |                                      |
| The telemedicine and digital technologies in education programs of training medical personnel of higher qualification                                                          | Problemy sotsial'noi gigieny, zdravookhraneniia i istorii meditsiny                                   | 2023 | 10.32687/0869-866X-2023-31-4-625-631 |
| Local injection of bone-marrow derived mesenchymal stromal cells alters a molecular expression profile of a contact frostbite injury wound and improves healing in a rat model | Burns                                                                                                 | 2023 | 10.1016/j.burns.2022.04.014          |
| Влияние цифровизации условий и содержания труда на здоровье работников                                                                                                         | Ремедиум                                                                                              | 2023 |                                      |

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| General Approach to the Evolving Plasma Equilibria with a Resistive Wall in Tokamaks                                                                                        | Mathematics                                                                                        | 2023 | 10.3390/math11081885            |
| Polarization Changes during a Lightning Strike: Isotropic Zones of Anisotropic Optical Fiber                                                                                | Bulletin of the Lebedev Physics Institute                                                          | 2023 | 10.3103/S1068335623140075       |
| Колебания потенциала плазмы в отражательном разряде с термокатодом                                                                                                          | Физика плазмы                                                                                      | 2023 |                                 |
| Development of the Method for Reconstructing Semileptonic Decays of Bs0 Mesons on CMS Data                                                                                  | Bulletin of the Lebedev Physics Institute                                                          | 2023 | 10.3103/S106833562309004X       |
| Physico-mathematical models for interacting microbubble clouds during histotripsy                                                                                           | European Physical Journal: Special Topics                                                          | 2023 | 10.1140/epjs/s11734-022-00760-x |
| On the theory of multiple encapsulated microbubbles interaction: Effect of lipid shell thickness                                                                            | Case Studies in Thermal Engineering                                                                | 2023 | 10.1016/j.csite.2023.102901     |
| An analytical approach for microbubble dynamics in histotripsy based on a neo-Hookean model                                                                                 | Archive of Applied Mechanics                                                                       | 2023 | 10.1007/s00419-022-02346-4      |
| Изменение энергетики поверхностных адсорбционных центров ZnO при легировании оловом                                                                                         | Поверхность. Рентгеновские, синхротронные и нейтронные исследования                                | 2023 |                                 |
| Новые подходы к созданию ёмкостных сенсоров давления на основе мембран ZnO-ПДМС                                                                                             | Научно-техническая конференция Санкт-Петербургского НТО РЭС им. А.С. Попова, посвященная Дню радио | 2023 |                                 |
| CURRENT - VOLTAGE CHARACTERISTICS OF MaPbI3 PEROVSKITE FILMS FORMED BY THE SINGLE-STAGE SPIN-COAT METHOD                                                                    | ST PETER POLY U J-PH                                                                               | 2023 |                                 |
| Rapid SERS Detection of Botulinum Neurotoxin Type A                                                                                                                         | Nanomaterials                                                                                      | 2023 | 10.3390/nano13182531            |
| Effect of suction process on the growth of a convective gas bubble in diver's tissues                                                                                       | International Journal of Biomathematics                                                            | 2023 | 10.1142/S1793524522500772       |
| Nonlinear chaotic dynamics in nonlocal plasmonic core-shell nanoparticle dimer                                                                                              | Optics Express                                                                                     | 2023 | 10.1364/OE.492153               |
| A New Biocompatible Metal-Organic Framework Prepared by Green Chemistry Methods                                                                                             | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya                                | 2023 | 10.1134/S1070328423700422       |
| Natural hydrocolloids as biocompatible composite materials for food applications                                                                                            | Russian Chemical Reviews                                                                           | 2023 | 10.59761/RCR5102                |
| Observations of the Cabibbo-Suppressed decays $\Lambda_{c0}^+ \rightarrow n\pi^+ \pi^0$ , $n\pi^+ \pi^-$ and the Cabibbo-Favored decay $\Lambda_c^+ \rightarrow nK^+ \pi^0$ | CHINESE PHYS C                                                                                     | 2023 |                                 |
| Homoleptic Fe(III) and Fe(IV) Complexes of a Dianionic C3-Symmetric Scorpionate                                                                                             | Inorganic Chemistry                                                                                | 2023 | 10.1021/acs.inorgchem.3c00871   |

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| Erratum to: Measurement of $\Lambda$ transverse polarization in $e^+e^-$ collisions at $s = 3.68 - 3.71$ GeV (Journal of High Energy Physics, (2023), 2023, 10, (81), 10.1007/JHEP10(2023)081) | Journal of High Energy Physics | 2023 | 10.1007/JHEP12(2023)080        |
| Search for the semileptonic decays $D_s^+ \rightarrow k_1(1270)0e^+ve$ and $D_s^+ \rightarrow b_1(1235)0e^+ve$                                                                                 | Physical Review D              | 2023 | 10.1103/PhysRevD.108.112002    |
| Amplitude analysis and branching fraction measurement of the decay $D^+ \rightarrow K_S^0 \pi^+ \pi^0 \pi^0$                                                                                   | Journal of High Energy Physics | 2023 | 10.1007/JHEP09(2023)077        |
| First Study of Reaction $\Xi^0 n \rightarrow \Xi^- p$ Using $\Xi^0$ -Nucleus Scattering at an Electron-Positron Collider                                                                       | Physical Review Letters        | 2023 | 10.1103/PhysRevLett.130.251902 |
| Observation of a New X (3872) Production Process $e^+e^- \rightarrow \omega X(3872)$                                                                                                           | Physical Review Letters        | 2023 | 10.1103/PhysRevLett.130.151904 |
| First simultaneous measurement of $\Xi^0$ and $\Xi^-$ asymmetry parameters in $\psi(3686)$ decay                                                                                               | Physical Review D              | 2023 | 10.1103/PhysRevD.108.L011101   |
| Measurement of the $e^+e^- \rightarrow \Lambda \Lambda^-$ cross section from threshold to 3.00 GeV using events with initial-state radiation                                                   | Physical Review D              | 2023 | 10.1103/PhysRevD.107.072005    |
| Study of $e^+e^- \rightarrow \gamma \phi / \psi$ from $\sqrt{s} = 4.600$ to 4.951 GeV                                                                                                          | Journal of High Energy Physics | 2023 | 10.1007/JHEP01(2023)132        |
| Measurement of the CP-even fraction of $D^0 \rightarrow K^+K^-\pi^+\pi^-$                                                                                                                      | Physical Review D              | 2023 | 10.1103/PhysRevD.107.032009    |
| Updated measurement of the branching fraction of $D_s^+ \rightarrow \tau^+ \nu_\tau$ via $\tau^+ \rightarrow \pi^+ \nu^-$                                                                      | Physical Review D              | 2023 | 10.1103/PhysRevD.108.092014    |
| Helicity amplitude analysis of $\chi_{CJ} \rightarrow \phi \phi$                                                                                                                               | Journal of High Energy Physics | 2023 | 10.1007/JHEP05(2023)069        |
| Precision measurements of $D_s^+ \rightarrow \eta e^+ve$ and $D_s^+ \rightarrow \eta' e^+ve$                                                                                                   | Physical Review D              | 2023 | 10.1103/PhysRevD.108.092003    |
| Measurements of the Electric and Magnetic Form Factors of the Neutron for Timelike Momentum Transfer                                                                                           | Physical Review Letters        | 2023 | 10.1103/PhysRevLett.130.151905 |
| Measurement of the $e^+e^- \rightarrow \pi^+\pi^- J/\psi$ cross section in the vicinity of 3.872 GeV                                                                                           | Physical Review D              | 2023 | 10.1103/PhysRevD.107.032007    |
| Improved measurement of the branching fractions for $J/\psi \rightarrow \gamma \pi^0, \gamma \eta$ , and $\gamma \eta'$                                                                        | Physical Review D              | 2023 | 10.1103/PhysRevD.108.092002    |
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| ТЕХНОЛОГИИ НА ОСНОВЕ ФОТОТРОФНЫХ МИКРООРГАНИЗМОВ КАК ПЕРСПЕКТИВНЫЙ ПУТЬ К ДОСТИЖЕНИЮ УГЛЕРОДНОЙ НЕЙТРАЛЬНОСТИ ГОРОДСКИМИ АГЛОМЕРАЦИЯМИ                     | Российские нанотехнологии                                | 2023 |                                |
| Исследование сеточной сходимости сеточно-характеристического метода на химерных сетках в задаче ультразвукового неразрушающего контроля рельсового полотна | Журнал вычислительной математики и математической физики | 2023 |                                |
| Spectral and Temporal Characteristics of UHF Radiation Generated by a Miniature Electric Spark                                                             | Bulletin of the Lebedev Physics Institute                | 2023 | 10.3103/S1068335623110088      |
| Исследование возможности идентификации веб-сайтов, посещаемых пользователем, на основе HTTP/2 трафика                                                      | Труды Института системного программирования РАН          | 2023 |                                |
| Прямое численное моделирование: топография дневной поверхности и анизотропия верхней части разреза                                                         | Computational Mathematics and Information Technologies   | 2023 |                                |
| Unidirectional transport of ions and perturbation of plasma distribution functions by ion-acoustic solitons: Numerical simulation and analytical solution  | Physics of Plasmas                                       | 2023 | 10.1063/5.0133413              |
| Граничные и контактные условия повышенного порядка аппроксимации для сеточно-характеристических схем в задачах акустики                                    | Журнал вычислительной математики и математической физики | 2023 |                                |
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| Investigation of the Influence of Constant Torque on Equilibrium Orientations of a Satellite Moving in a Circular Orbit with the Use of Computer Algebra Methods                                                                                                                        | Programming and Computer Software                                | 2023 | 10.1134/S0361768823020093            |
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| Approximation of Boundary Condition in Higher Order Grid-Characteristic Schemes                                                                                                                                                                                                         | Doklady Mathematics                                              | 2023 | 10.1134/S1064562423701375            |
| APPLICATION OF CONVOLUTIONAL NEURAL NETWORKS FOR SEARCH AND DETERMINATION OF PHYSICAL CHARACTERISTICS OF INHOMOGENEITIES IN GEOLOGICAL MEDIA FROM SEISMIC DATA                                                                                                                          | Mathematical Notes of NEFU                                       | 2023 | 10.25587/SVFU.2023.87.50.008         |
| Исследование динамики системы двух связанных тел в плоскости круговой орбиты с применением методов компьютерной алгебры                                                                                                                                                                 | Журнал вычислительной математики и математической физики         | 2023 |                                      |
| Performance prediction for chosen types of loops over one-dimensional arrays with embedding-driven intermediate representations analysis; [Предсказание производительности избранных типов циклов над одномерными массивами посредством анализа эмбедингов промежуточных представлений] | Computer Research and Modeling                                   | 2023 | 10.20537/2076-7633-2023-15-1-211-224 |
| Myocardial perfusion segmentation and partitioning methods in personalized models of coronary blood flow                                                                                                                                                                                | Russian Journal of Numerical Analysis and Mathematical Modelling | 2023 | 10.1515/rnam-2023-0022               |
| Dual-pass Feature-Fused SSD model for detecting multi-scale images of workers on the construction site; [Двухпроходная модель Feature-Fused SSD для детекции разномасштабных изображений рабочих на строительной площадке]                                                              | Computer Research and Modeling                                   | 2023 | 10.20537/2076-7633-2023-15-1-57-73   |
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| High-Order Grid-Characteristic Method for Systems of Hyperbolic Equations with Piecewise Constant Coefficients                                                                                                                                                                          | Differential Equations                                           | 2023 | 10.1134/S001226612307011X            |
| Numerical Simulation of the Evolution of Turbulent Spots in a Supersonic Boundary Layer over a Plate                                                                                                                                                                                    | Mathematical Models and Computer Simulations                     | 2023 | 10.1134/S2070048223010076            |

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| Modeling G4s in chromatin context confirms partial nucleosome exclusion and reveals nucleosome-disrupting effects of the least selective G4 ligands                                                           | Biochimie                                   | 2023 | 10.1016/j.biochi.2022.08.016 |
| In vivo исследование роли пероксида водорода в развитии ишемического инсульта в модели стрептозотоцин-индуцированного сахарного диабета 1 типа у крыс с помощью генетически кодируемого биосенсора HyPer7     | Гены и Клетки                               | 2023 |                              |
| Ability of Lactobacillus brevis 47f to Alleviate the Toxic Effects of Imidacloprid Low Concentration on the Histological Parameters and Cytokine Profile of Zebrafish (Danio rerio)                           | International Journal of Molecular Sciences | 2023 | 10.3390/ijms241512290        |
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| Reclassification of TCGA Diffuse Glioma Profiles Linked to Transcriptomic, Epigenetic, Genomic and Clinical Data, According to the 2021 WHO CNS Tumor Classification                                          | International Journal of Molecular Sciences | 2023 | 10.3390/ijms24010157         |
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| Sex-determining region complements traditionally used in phylogenetic studies nuclear and chloroplast sequences in investigation of Aigeiros Duby and Tacamahaca Spach poplars (genus Populus L., Salicaceae) | Frontiers in Plant Science                  | 2023 | 10.3389/fpls.2023.1204899    |
| ИНТЕГРАЦИЯ ЦИФРОВОЙ И ЛЕКАРСТВЕННОЙ ТЕРАПИИ В СФЕРЕ ЛЕЧЕНИЯ РЕСПИРАТОРНЫХ ЗАБОЛЕВАНИЙ                                                                                                                         | Проблемы стандартизации в здравоохранении   | 2023 |                              |
| Numerical Modeling of Ultrasound Artifacts with Grid-Characteristic Method                                                                                                                                    | Lobachevskii Journal of Mathematics         | 2023 | 10.1134/S1995080223010055    |
| Gas Injection and Suction Effect on the Instability of a Supersonic Boundary Layer                                                                                                                            | Fluid Dynamics                              | 2023 | 10.1134/S001546282260184X    |

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| О природе уменьшения скорости процесса упорядочения по типу $\text{Cu-Pd}$ твердого раствора при приближении состава к эквиатомному                                                                                | Неорганические материалы                            | 2023 |                                   |
| Phototrophic microorganisms in bioregenerative life support systems for long-term crewed expeditions: Prospects and challenges                                                                                     | Acta Astronautica                                   | 2023 | 10.1016/j.actaastro.2023.07.006   |
| Model of Multifilamentary Resistive Switching for a Memristor with Hopping Conductivity                                                                                                                            | Nanobiotechnology Reports                           | 2023 | 10.1134/S2635167623700180         |
| High pressure and high temperature phase transformations of covalent triazine-based frameworks                                                                                                                     | Materials Chemistry and Physics                     | 2023 | 10.1016/j.matchemphys.2023.128312 |
| Phase transformation of nonstoichiometric cubic tungsten carbide on the surface of carbon nanotubes during high-temperature annealing of aluminum matrix composites                                                | Ceramics International                              | 2023 | 10.1016/j.ceramint.2022.09.368    |
| The Study of the Efficiency of Nitrogen to Nitrogen-Vacancy (NV)-Center Conversion in High-Nitrogen Content Samples                                                                                                | Physica Status Solidi - Rapid Research Letters      | 2023 | 10.1002/pssr.202200415            |
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| FLEXIBLE GRAPHITE ELECTRODE BASED ON ELECTROLYTIC $\text{MnO}_2$ FOR ENZYME-FREE GLUCOSE OXIDATION; [ ГИБКИЙ ГРАФИТОВЫЙ ЭЛЕКТРОД НА ОСНОВЕ ЭЛЕКТРОЛИТИЧЕСКОГО $\text{MnO}_2$ ДЛЯ БЕСФЕРМЕНТНОГО ОКИСЛЕНИЯ ГЛЮКОЗЫ] | ChemChemTech                                        | 2023 | 10.6060/ivkkt.20236610.6y         |
| Asymmetry of Structural and Electrophysical Properties of Symmetrical Titania Nanotubes as a Result of Modification with Barium Titanate                                                                           | Symmetry                                            | 2023 | 10.3390/sym15122141               |
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| Plasmons in a Strip with an Anisotropic Two-Dimensional Electron Gas Fully Screened by a Metal Gate                                                                                                                | JETP Letters                                        | 2023 | 10.1134/S0021364023601811         |
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| Non-Thermal Plasma Pyrolysis of Fuel Oil in the Liquid Phase                                                                                                                                                                                                                                                          | Energies                                                   | 2023 | 10.3390/en16104017               |
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| 3D Printing Using Iota-Carrageenan-Based Hydrogel with Immobilized <i>Chlorella vulgaris</i> Microalgae                                                                                                                                                                                                               | Nanobiotechnology Reports                                  | 2023 | 10.1134/S2635167623010202        |
| An integrated microscopical study of surface properties and surface effects in superprotonic (K <sub>1-x</sub> (NH <sub>4</sub> ) <sub>x</sub> ) <sub>3</sub> H(SO <sub>4</sub> ) <sub>2</sub> crystals                                                                                                               | Solid State Ionics                                         | 2023 | 10.1016/j.ssi.2023.116150        |
| Scalable nanocomposite parylene-based memristors: Multifilamentary resistive switching and neuromorphic applications                                                                                                                                                                                                  | Nano Research                                              | 2023 | 10.1007/s12274-022-5027-6        |
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| Characterization of the quenched GaSb–MnSb composites with high fraction of the ferromagnetic component                                                                                                                                                                                                               | Journal of Magnetism and Magnetic Materials                | 2023 | 10.1016/j.jmmm.2022.170242       |
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| Conduction of excitation waves and reentry drift on cardiac tissue with simulated photocontrol-varied excitability                                                                                                                                                                                                    | Chaos                                                      | 2023 | 10.1063/5.0122273                |
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| 3D genome alterations and editing in pathology                                                                                                                                                                                                         | Molecular Therapy                                          | 2023 | 10.1016/j.ymthe.2023.02.005   |
| G-Quadruplexes in Nuclear Biomolecular Condensates                                                                                                                                                                                                     | Genes                                                      | 2023 | 10.3390/genes14051076         |
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| Adaptive Mechanisms of Shewanella xiamenensis DCB 2-1 Metallophilicity                                                                                                                                                                                 | Toxics                                                     | 2023 | 10.3390/toxics11040304        |
| Ultra-Fast Mass Spectrometry in Plant Biochemistry: Response of Winter Wheat Proteomics to Pre-Sowing Treatment with Iron Compounds                                                                                                                    | Biochemistry (Moscow)                                      | 2023 | 10.1134/S0006297923090183     |
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| Bacterial Argonaute nucleases reveal different modes of DNA targeting in vitro and in vivo                                                                                                           | Nucleic Acids Research                                     | 2023 | 10.1093/nar/gkad290            |
| Genetic landscape in Russian patients with familial left ventricular noncompaction                                                                                                                   | Frontiers in Cardiovascular Medicine                       | 2023 | 10.3389/fcvm.2023.1205787      |
| Unlocking the Viral Universe: Metagenomic Analysis of Bat Samples Using Next-Generation Sequencing                                                                                                   | Microorganisms                                             | 2023 | 10.3390/microorganisms11102532 |
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| Distinct Traits of Structural and Regulatory Evolutional Conservation of Human Genes with Specific Focus on Major Cancer Molecular Pathways                                                          | Cells                                                      | 2023 | 10.3390/cells12091299          |
| Transcriptome-Based Traits of Radioresistant Sublines of Non-Small Cell Lung Cancer Cells                                                                                                            | International Journal of Molecular Sciences                | 2023 | 10.3390/ijms24033042           |
| Synthesis of chalcones with methylenedioxy polymethoxy fragments based on plant metabolites and study of their antiproliferative properties                                                          | Russian Chemical Bulletin                                  | 2023 | 10.1007/s11172-023-3943-6      |
| Phenotypic Test of Benzo[4,5]imidazo[1,2-c]pyrimidinone-Based Nucleoside and Non-Nucleoside Derivatives against DNA and RNA Viruses, Including Coronaviruses                                         | International Journal of Molecular Sciences                | 2023 | 10.3390/ijms241914540          |
| COVID-19—The Shift of Homeostasis into Oncopathology or Chronic Fibrosis in Terms of Female Reproductive System Involvement                                                                          | International Journal of Molecular Sciences                | 2023 | 10.3390/ijms24108579           |
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| Interspecific comparison of gene expression profiles using machine learning                                                                                                                                                                                                                 | PLoS Computational Biology                                           | 2023 | 10.1371/journal.pcbi.1010743  |
| ИСПОЛЬЗОВАНИЕ ФИБРОИНОВЫХ МИКРОНОСИТЕЛЕЙ ДЛЯ ТРАНСПЛАНТАЦИИ ДИФФЕРЕНЦИРУЮЩИХСЯ ЧЕЛОВЕЧЕСКИХ КАРДИОМИОЦИТОВ                                                                                                                                                                                  | Вестник трансплантологии и искусственных органов                     | 2023 |                               |
| Cancer as a potential sequela of COVID-19 — should we modify 3D cell culture models accordingly?                                                                                                                                                                                            | Biological Communications                                            | 2023 | 10.21638/spbu03.2023.307      |
| Long-Term Cultured Human Glioblastoma Multiforme Cells Demonstrate Increased Radiosensitivity and Senescence-Associated Secretory Phenotype in Response to Irradiation.                                                                                                                     | International Journal of Molecular Sciences                          | 2023 |                               |
| Polymer Kernels as Compact Carriers for Suspended Cardiomyocytes                                                                                                                                                                                                                            | Micromachines                                                        | 2023 | 10.3390/mi14010051            |
| Key FAD2, FAD3, and SAD Genes Involved in the Fatty Acid Synthesis in Flax Identified Based on Genomic and Transcriptomic Data                                                                                                                                                              | International Journal of Molecular Sciences                          | 2023 | 10.3390/ijms241914885         |
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| Lipid Membrane Electroporation Cannot Be Described by the Constant Line Tension Model of the Pore Edge; [ЭЛЕКТРОПОРАЦИЯ ЛИПИДНЫХ МЕМБРАН НЕ МОЖЕТ БЫТЬ ОПИСАНА МОДЕЛЬЮ ПОСТОЯННОГО ЛИНЕЙНОГО НАТЯЖЕНИЯ КРОМКИ ПОРЫ]                                                                         | Biologicheskie Membrany                                              | 2023 | 10.31857/S0233475523040059    |
| Nucleoside Analog 2',3'-Isopropylidene-5-Iodouridine as Novel Efficient Inhibitor of HIV-1                                                                                                                                                                                                  | Pharmaceutics                                                        | 2023 | 10.3390/pharmaceutics15102389 |
| Эффекты донора сероводорода GYY4137 на пул протеасом клеток рака прямой кишки                                                                                                                                                                                                               | Молекулярная биология                                                | 2023 |                               |
| Genome of <i>Linum usitatissimum</i> convar. <i>crepitans</i> expands the view on the section <i>Linum</i>                                                                                                                                                                                  | Frontiers in Genetics                                                | 2023 | 10.3389/fgene.2023.1269837    |
| Lipid Membranes Electroporation Cannot Be Described by the Constant Line Tension Model of the Pore Edge                                                                                                                                                                                     | Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology | 2023 | 10.1134/S1990747823040050     |

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| THE INFLUENCE OF CHRONIC PRENATAL HYPOXIA ON THE FUNCTIONAL ACTIVITY OF BRAIN NEURON-GLIAL NETWORKS AND THEIR ADAPTATION TO ACUTE OXYGEN DEFICIENCY IN VITRO                           | Opera Medica et Physiologica                             | 2023 | 10.24412/2500-2295-2023-1-23-36 |
| Stability of human gut microbiome: Comparison of ecological modelling and observational approaches                                                                                     | Computational and Structural Biotechnology Journal       | 2023 | 10.1016/j.csbj.2023.08.030      |
| EpiFactors 2022: expansion and enhancement of a curated database of human epigenetic factors and complexes                                                                             | Nucleic Acids Research                                   | 2023 | 10.1093/nar/gkac989             |
| Morley: Image Analysis and Evaluation of Statistically Significant Differences in Geometric Sizes of Crop Seedlings in Response to Biotic Stimulation                                  | Agronomy                                                 | 2023 | 10.3390/agronomy13082134        |
| Assembling Quality Genomes of Flax Fungal Pathogens from Oxford Nanopore Technologies Data                                                                                             | Journal of Fungi                                         | 2023 | 10.3390/jof9030301              |
| Новые потенциальные механизмы иммуносупрессии, опосредованной регуляторными В-клетками                                                                                                 | Биохимия                                                 | 2023 |                                 |
| Многомасштабное структурирование квантовых точек CdSe/CdS/ZnS в центрифугированных и ленточных пленках                                                                                 | Журнал технической физики                                | 2023 |                                 |
| Особенности фотоиндуцированного нагрева перовскитных нанокристаллов с эффективной антистоксовой фотолюминесценцией при резонансном лазерном возбуждении                                | Физика и техника полупроводников                         | 2023 |                                 |
| Temperature-Dependent Structural and Electrical Properties of Metal-Organic CVD MoS <sub>2</sub> Films                                                                                 | Nanomaterials                                            | 2023 | 10.3390/nano13192712            |
| Пленка сплава Pd-Fe с большим градиентом магнитной примеси: структурные и магнитные свойства                                                                                           | Журнал технической физики                                | 2023 |                                 |
| Erratum: Evidence of Electronic Phase Separation in the Strongly Correlated Semiconductor YbB <sub>12</sub> (Chin. Phys. Lett. (2022) 39 (127302) DOI: 10.1088/0256-307X/39/12/127302) | Chinese Physics Letters                                  | 2023 | 10.1088/0256-307X/40/2/029901   |
| Природа диэлектрической релаксации в монокристаллах SrTiO <sub>3</sub> :Mn                                                                                                             | Письма в Журнал экспериментальной и теоретической физики | 2023 |                                 |
| Genetic variants database formation founded on the healthy Russian Federation residents                                                                                                | EUR J HUM GENET                                          | 2023 |                                 |
| Models of Congenital Adrenal Hyperplasia for Gene Therapies Testing                                                                                                                    | International Journal of Molecular Sciences              | 2023 | 10.3390/ijms24065365            |
| Oscillatory Bias Dependence of the Visible Height of Monatomic Pb(111) Steps: Consequence of the Quantum-Size Effect for Thin Metallic Films                                           | Journal of Physical Chemistry C                          | 2023 | 10.1021/acs.jpcc.3c02415        |
| Numerical Study of GaP Nanowires: Individual and Coupled Optical Waveguides and Resonant Phenomena                                                                                     | Nanomaterials                                            | 2023 | 10.3390/nano13010056            |

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| Color-temperature performance of perovskite solar cells under indoor illumination                                                                                                                                                | Solar Energy Materials and Solar Cells                                                                                               | 2023 | 10.1016/j.solmat.2023.112284        |
| Transferability of the PRS estimates for height and BMI obtained from the European ethnic groups to the Western Russian populations                                                                                              | Frontiers in Genetics                                                                                                                | 2023 | 10.3389/fgene.2023.1086709          |
| Gene Therapy Approaches for the Treatment of Hemophilia B                                                                                                                                                                        | International Journal of Molecular Sciences                                                                                          | 2023 | 10.3390/ijms241310766               |
| Cap-Independent Circular mRNA Translation Efficiency                                                                                                                                                                             | Vaccines                                                                                                                             | 2023 | 10.3390/vaccines11020238            |
| METHODOLOGICAL ASPECTS OF DRUG DEVELOPMENT AND PRECLINICAL RESEARCH IN THE INTERESTS OF ARTIC MEDICINE; [МЕТОДИЧЕСКИЕ АСПЕКТЫ РАЗРАБОТКИ И ДОКЛИНИЧЕСКИХ ИССЛЕДОВАНИЙ ЛЕКАРСТВЕННЫХ ПРЕПАРАТОВ В ИНТЕРЕСАХ АРКТИЧЕСКОЙ МЕДИЦИНЫ] | Extreme Medicine                                                                                                                     | 2023 | 10.47183/mes.2023.004               |
| Characterizing and Quenching Autofluorescence in Fixed Mouse Adrenal Cortex Tissue                                                                                                                                               | International Journal of Molecular Sciences                                                                                          | 2023 | 10.3390/ijms24043432                |
| Mathematical Modeling of the Household Behavior in the Labor Market                                                                                                                                                              | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-35305-5_28        |
| Математическая модель динамики человеческого капитала                                                                                                                                                                            | Журнал вычислительной математики и математической физики                                                                             | 2023 |                                     |
| О лазерной генерации двумерных материалов с накачкой на квазизапертых модах                                                                                                                                                      | Письма в Журнал экспериментальной и теоретической физики                                                                             | 2023 |                                     |
| Development of high-performance broadband optical detector for cryogenic to elevated operating temperature                                                                                                                       | Materials Science in Semiconductor Processing                                                                                        | 2023 | 10.1016/j.mssp.2023.107364          |
| Photoluminescence anisotropy in hybrid nanostructures based on gallium phosphide nanowire and 2D transition metal dichalcogenides                                                                                                | ST PETER POLY U J-PH                                                                                                                 | 2023 |                                     |
| SERS uncovers the link between conformation of cytochrome c heme and mitochondrial membrane potential                                                                                                                            | Free Radical Biology and Medicine                                                                                                    | 2023 | 10.1016/j.freeradbiomed.2023.01.013 |
| КОЛЛЕКТИВНЫЕ И КВАЗИЛОКАЛЬНЫЕ МОДЫ В ОПТИЧЕСКИХ СПЕКТРАХ ГЕКСАБОРИДОВ Yb6 И YbV6 С ЯН-ТЕЛЛЕРОВСКОЙ СТРУКТУРНОЙ НЕУСТОЙЧИВОСТЬЮ                                                                                                   | Журнал экспериментальной и теоретической физики                                                                                      | 2023 |                                     |
| Controlling ferroelectric properties in Y-doped HfO2 thin films by precise introduction of oxygen vacancies                                                                                                                      | Journal of Applied Physics                                                                                                           | 2023 | 10.1063/5.0131893                   |
| Uncertainty Guided Global Memory Improves Multi-Hop Question Answering                                                                                                                                                           | EMNLP 2023 - 2023 Conference on Empirical Methods in Natural Language Processing, Proceedings                                        | 2023 | 10.18653/v1/2023.emnlp-main.262     |
| DGAC: Dialogue Graph Auto Construction Based on Data with a Regular Structure                                                                                                                                                    | Studies in Computational Intelligence                                                                                                | 2023 | 10.1007/978-3-031-19032-2_52        |

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| Accessible Russian Large Language Models: Open-Source Models and Instructive Datasets for Commercial Applications                                                    | Doklady Mathematics                                                                                         | 2023 | 10.1134/S1064562423701168    |
| Deeppavlov dream: Platform for building generative ai assistants                                                                                                     | Proceedings of the Annual Meeting of the Association for Computational Linguistics                          | 2023 |                              |
| Extra long phosphorescence in organic materials at cryogenic temperatures investigation                                                                              | Laser Physics Letters                                                                                       | 2023 | 10.1088/1612-202X/ad053e     |
| Исследование влияния метеорологических параметров на поток космических мюонов с использованием метода эффективного уровня генерации на основе данных детектора DANSS | Письма в Журнал экспериментальной и теоретической физики                                                    | 2023 |                              |
| Terahertz Photoconductivity in Bilayer Graphene Transistors: Evidence for Tunneling at Gate-Induced Junctions                                                        | Nano Letters                                                                                                | 2023 | 10.1021/acs.nanolett.2c04119 |
| Active Pointing System for the Transmission of Ultrastable Optical Frequency Signals through an Open-Air Link                                                        | Journal of Experimental and Theoretical Physics                                                             | 2023 | 10.1134/S1063776123080083    |
| Nonabelian fermionic T-duality for the fundamental string                                                                                                            | Theoretical and Mathematical Physics(Russian Federation)                                                    | 2023 | 10.1134/S0040577923070073    |
| Когерентное возбуждение фононов в GaAs лазерными импульсами                                                                                                          | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                              |
| Multicaloric Effect in 0–3-Type MnAs/PMN–PT Composites                                                                                                               | Journal of Composites Science                                                                               | 2023 | 10.3390/jcs7090400           |
| Synthesis and IR Spectroscopy of High-Entropy Ceramics with Magnetoplumbite Structure                                                                                | Journal of Structural Chemistry                                                                             | 2023 | 10.1134/S0022476623060070    |
| Elastic Gallium Phosphide Nanowire Optical Waveguides—Versatile Subwavelength Platform for Integrated Photonics                                                      | Small                                                                                                       | 2023 | 10.1002/smll.202301660       |
| Towards nanowire-based selective vapor sensing with an aid of impedance spectroscopy                                                                                 | ST PETER POLY U J-PH                                                                                        | 2023 |                              |
| МАГНИТНО-СИЛОВАЯ И НЕЛИНЕЙНО-ОПТИЧЕСКАЯ МИКРОСКОПИЯ ПРИ ПОВЕРХНОСТНОЙ ДОМЕННОЙ СТРУКТУРЕ ЭПИТАКСИАЛЬНОЙ ПЛЕНКИ ФЕРРИТА-ГРАНАТА                                       | Журнал экспериментальной и теоретической физики                                                             | 2023 |                              |
| Определение параметров амплитудных изображений микро- и нанообъектов при помощи излучения оптического диапазона                                                      | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                              |
| Influence of Nonlinearity on an Exceptional Point in a System of Coupled Duffing Oscillators                                                                         | Journal of Communications Technology and Electronics                                                        | 2023 | 10.1134/S1064226923090231    |
| Regularization for Cholesky Decomposition in Massive MIMO Detection                                                                                                  | IEEE Wireless Communications Letters                                                                        | 2023 | 10.1109/LWC.2023.3284349     |

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| Сравнительный анализ точности алгоритмов частотной синхронизации для системы спутниковой связи на основе сигнала DVB-S2                            | Журнал радиоэлектроники                                                               | 2023 |                                      |
| Vector Autoregression Model Utilization for Massive-MIMO Channel Denoising                                                                         | 2023 International Balkan Conference on Communications and Networking, BalkanCom 2023 | 2023 | 10.1109/BalkanCom58402.2023.10167957 |
| Fast algorithm for estimating singular values of Hermitian matrix                                                                                  | 2023 31st Telecommunications Forum, TELFOR 2023 - Proceedings                         | 2023 | 10.1109/TELFOR59449.2023.10372724    |
| Hexagonal boron nitride nanophotonics: a record-breaking material for the ultraviolet and visible spectral ranges                                  | Materials Horizons                                                                    | 2023 | 10.1039/d3mh00215b                   |
| TiS3 Nanoribbons: A Novel Material for Ultra-Sensitive Photodetection across Extreme Temperature Ranges                                            | Sensors                                                                               | 2023 | 10.3390/s23104948                    |
| Study of quasi 1D silicon nanostructures adsorption properties via impedance spectroscopy                                                          | ST PETER POLY U J-PH                                                                  | 2023 |                                      |
| Crystal structure prediction at finite temperatures                                                                                                | npj Computational Materials                                                           | 2023 | 10.1038/s41524-023-01120-6           |
| Magneto-electric dipole antenna as a transceive element in a phased array                                                                          | ST PETER POLY U J-PH                                                                  | 2023 |                                      |
| Genesis of Collective Excitations in the Conductivity Spectra of Higher Borides RB6 and RB12 Exhibiting a Cooperative Structural Instability       | JETP Letters                                                                          | 2023 | 10.1134/S0021364023600350            |
| Plasmons in a square of two-dimensional electrons                                                                                                  | Physical Review B                                                                     | 2023 | 10.1103/PhysRevB.107.075414          |
| Gadolinium-Doped Carbon Nanoparticles with Red Fluorescence and Enhanced Proton Relaxivity as Bimodal Nanoprobes for Bioimaging Applications       | Applied Sciences (Switzerland)                                                        | 2023 | 10.3390/app13169322                  |
| Electro-chemo-mechanical design of polymer matrix in composited LiNi0.8Co0.1Mn0.1O2 cathode endows solid-state batteries with superior performance | Journal of Energy Chemistry                                                           | 2023 | 10.1016/j.jechem.2022.11.059         |
| Using mobile phone as a ripeness sensor                                                                                                            | ST PETER POLY U J-PH                                                                  | 2023 |                                      |
| Non-Fermi-Liquid Behavior of Superconducting SnH4                                                                                                  | Advanced Science                                                                      | 2023 | 10.1002/advs.202303622               |
| Magnetic and Terahertz–Infrared Properties of Nanodispersed Hexaferrite $\text{Sr}_x\text{Ba}_{(1-x)}\text{Fe}_{12}\text{O}_{19}$ Solid Solutions  | Crystals                                                                              | 2023 | 10.3390/cryst13091354                |
| Exchange interactions in iron and nickel: DFT+DMFT study in paramagnetic phase                                                                     | Physical Review B                                                                     | 2023 | 10.1103/PhysRevB.107.235118          |
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| On the Laser Generation in Two-Dimensional Materials with Pumping by Quasitrapped Modes                                                            | JETP Letters                                                                          | 2023 | 10.1134/S0021364023600076            |
| Narrowband Photoluminescence in MXenes                                                                                                             | Bulletin of the Russian Academy of Sciences: Physics                                  | 2023 | 10.1134/S1062873823706013            |
| Gap electroacoustic waves in PT-symmetric piezoelectric heterostructure near the exceptional point                                                 | Journal of Physics Condensed Matter                                                   | 2023 | 10.1088/1361-648X/ace48c             |

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| Deep-Level Emission Tailoring in ZnO Nanostructures Grown via Hydrothermal Synthesis                                                                     | Nanomaterials                                        | 2023 | 10.3390/nano13010058         |
| Highly Selective Polyene-Polyyne Resistive Gas Sensors: Response Tuning by Low-Energy Ion Irradiation                                                    | Journal of Composites Science                        | 2023 | 10.3390/jcs7040156           |
| The Field-Effect Transistor Based on a Polyyne–Polyene Structure Obtained via PVDC Dehydrochlorination                                                   | Journal of Composites Science                        | 2023 | 10.3390/jcs7070264           |
| Scanning Near-Field Optical Microscopy of Ultrathin Gold Films                                                                                           | Nanomaterials                                        | 2023 | 10.3390/nano13081376         |
| Giant and Tunable Excitonic Optical Anisotropy in Single-Crystal Halide Perovskites                                                                      | Nano Letters                                         | 2023 | 10.1021/acs.nanolett.2c04792 |
| Si Nanowire-Based Schottky Sensors for Selective Sensing of NH <sub>3</sub> and HCl via Impedance Spectroscopy                                           | ACS Applied Nano Materials                           | 2023 | 10.1021/acsanm.3c01545       |
| The generalized kinetics model for the description of the photoprocesses induced by ultrashort laser pulses                                              | Applied Physics B: Lasers and Optics                 | 2023 | 10.1007/s00340-023-08052-5   |
| Двумерное распределение электрического потенциала плазмы в токамаке T-10                                                                                 | Физика плазмы                                        | 2023 |                              |
| Two-Dimensional Distribution of Plasma Electric Potential in the T-10 Tokamak                                                                            | Plasma Physics Reports                               | 2023 | 10.1134/S1063780X23601050    |
| Pseudo-parabolic Category over Quaternionic Projective Plane                                                                                             | Algebras and Representation Theory                   | 2023 | 10.1007/s10468-022-10185-8   |
| Publisher Correction: Crystal structure prediction at finite temperatures (npj Computational Materials, (2023), 9, 1, (197), 10.1038/s41524-023-01120-6) | npj Computational Materials                          | 2023 | 10.1038/s41524-023-01160-y   |
| Influence of the Structure on Magnetic Properties of Calcium-Phosphate Systems Doped with Iron and Vanadium Ions                                         | International Journal of Molecular Sciences          | 2023 | 10.3390/ijms24087366         |
| Extraction, Purification, and Crystallization of GTPase Era from Staphylococcus aureus                                                                   | Crystallography Reports                              | 2023 | 10.1134/S1063774523010133    |
| СТРУКТУРНОЕ ИССЛЕДОВАНИЕ РИБОСОМЫ CANDIDA AURIS                                                                                                          | Вестник Московского университета. Серия 16: Биология | 2023 |                              |
| Выделение, очистка и кристаллизация ГТФазы Era из золотистого стафилококка                                                                               | Кристаллография                                      | 2023 |                              |
| Mefloquine binding to the eukaryotic ribosome                                                                                                            | EUR BIOPHYS J BIOPHY                                 | 2023 |                              |
| Probing optical anapoles with fast electron beams                                                                                                        | Nature Communications                                | 2023 | 10.1038/s41467-023-43813-y   |
| Collective and Quasi-Local Modes in the Optical Spectra of YB6 and YbB6 Hexaborides with Jahn–Teller Structural Instability                              | Journal of Experimental and Theoretical Physics      | 2023 | 10.1134/S1063776123020061    |
| General dispersion relations for resistive wall modes in tokamaks                                                                                        | Physics of Plasmas                                   | 2023 | 10.1063/5.0159762            |
| Absorption efficiency of the second harmonic ECRH waves and comparative plasma transport simulation in the TJ-II stellarator and T-10 tokamak            | Plasma Physics and Controlled Fusion                 | 2023 | 10.1088/1361-6587/aca35a     |
| Application of integrated simulation environment SIEMNED to the analysis of the MEPHIST-O tokamak operation                                              | Plasma Science and Technology                        | 2023 | 10.1088/2058-6272/ac9f05     |

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| Estimation of wall forces solely from magnetic measurements: an application to RFX-mod experiment                                                | Nuclear Fusion                                                                                                      | 2023 | 10.1088/1741-4326/acfd41           |
| Reconstruction of a surface from the category of reflexive sheaves                                                                               | Advances in Mathematics                                                                                             | 2023 | 10.1016/j.aim.2023.109338          |
| Shapovalov elements and Hasse diagrams                                                                                                           | Theoretical and Mathematical Physics(Russian Federation)                                                            | 2023 | 10.1134/S0040577923090015          |
| Элементы Шаповалова и диаграммы Хассе                                                                                                            | Теоретическая и математическая физика                                                                               | 2023 |                                    |
| Simultaneous Cultivation of Microalgae Chlorella vulgaris with a Polymer Material Based on Chitosan for the Sorption of Heavy Metals and Biomass | Nanobiotechnology Reports                                                                                           | 2023 | 10.1134/S2635167623010093          |
| Когерентные пучки, классы Чженя и суперсвязности на компактных комплексно-аналитических многообразиях                                            | Известия Российской академии наук. Серия математическая                                                             | 2023 |                                    |
| Coherent sheaves, Chern classes, and superconnections on compact complex-analytic manifolds                                                      | Izvestiya Mathematics                                                                                               | 2023 | 10.4213/im9386e                    |
| Log adjunction: moduli part                                                                                                                      | Izvestiya Mathematics                                                                                               | 2023 | 10.4213/im9279e                    |
| Local Plücker formulas for orthogonal groups                                                                                                     | European Journal of Mathematics                                                                                     | 2023 | 10.1007/s40879-023-00649-6         |
| О конечности множества обобщенных якобианов с нетривиальным кручением над полями алгебраических чисел                                            | Доклады Российской академии наук. Математика, информатика, процессы управления                                      | 2023 |                                    |
| Quantum symmetric conjugacy classes of non-exceptional groups                                                                                    | Journal of Mathematical Physics                                                                                     | 2023 | 10.1063/5.0157498                  |
| Superscattering emerging from the physics of bound states in the continuum                                                                       | Nature Communications                                                                                               | 2023 | 10.1038/s41467-023-40382-y         |
| Mechanisms of soot thermal decomposition: Reactive molecular dynamics study                                                                      | Combustion and Flame                                                                                                | 2023 | 10.1016/j.combustflame.2022.112596 |
| Design, Simulation and Novel Fabrication Method for High Sensitivity and Low Cross-axis Sensitivity Out-of-Plane Micro Accelerometer             | Proceedings of CONECCT 2023 - 9th International Conference on Electronics, Computing and Communication Technologies | 2023 | 10.1109/CONECCT57959.2023.10234751 |
| Влияние пассивации поверхности цилиндрических мезоструктур на основе GaAs на их оптические свойства                                              | Оптика и спектроскопия                                                                                              | 2023 |                                    |
| Исследование оптических свойств нанокластерных пленок оксида тантала в инфракрасном диапазоне                                                    | Ядерная физика и инжиниринг                                                                                         | 2023 |                                    |
| О концепции плазменной масс-сепарации в скрещенных $E \times B$ -полях с потенциальной ямой (обзор)                                              | Физика плазмы                                                                                                       | 2023 |                                    |
| Низкочастотные осцилляции в прямом осмотическом процессе в мембране с наноразмерными порами                                                      | Успехи физических наук                                                                                              | 2023 |                                    |
| Проектирование сверхпроводниковых интегральных согласующих структур                                                                              | Радиотехника и электроника                                                                                          | 2023 |                                    |
| ГРАФОВЫЕ МОДЕЛИ ДЛЯ КОНТЕКСТНОГО ПРОГНОЗИРОВАНИЯ НАМЕРЕНИЙ В ДИАЛОГОВЫХ СИСТЕМАХ                                                                 | Доклады Российской академии наук. Математика, информатика, процессы управления                                      | 2023 |                                    |
| Graph Models for Contextual Intention Prediction in Dialog Systems                                                                               | Doklady Mathematics                                                                                                 | 2023 | 10.1134/S106456242370117X          |
| Automatic Generation of Conversational Skills from Dialog Datasets                                                                               | Studies in Computational Intelligence                                                                               | 2023 | 10.1007/978-3-031-19032-2_4        |

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| БОЛЬШИЕ ЯЗЫКОВЫЕ МОДЕЛИ ДЛЯ СЛЕДОВАНИЯ ИНСТРУКЦИЯМ НА РУССКОМ ЯЗЫКЕ: МОДЕЛИ И ДАТАСЕТЫ С ОТКРЫТОЙ ЛИЦЕНЗИЕЙ ДЛЯ КОММЕРЧЕСКОГО ИСПОЛЬЗОВАНИЯ                                      | Доклады Российской академии наук. Математика, информатика, процессы управления | 2023 |                             |
| On a Promising Electrode Material for Microbial Biofuel Cells Based on Natural Polymers                                                                                          | Nanobiotechnology Reports                                                      | 2023 | 10.1134/S2635167623010147   |
| Chitosan Sponges for Efficient Accumulation and Controlled Release of C-Phycocyanin                                                                                              | BioTech                                                                        | 2023 | 10.3390/biotech12030055     |
| Stimulation of Muscle Cells Using a Microbial Fuel Cell                                                                                                                          | Nanobiotechnology Reports                                                      | 2023 | 10.1134/S2635167623010159   |
| Methodology for Constructing 2D Distributions of Plasma Parameters Using Heavy Ion Beam Probe Data on the T-10 Tokamak                                                           | Physics of Atomic Nuclei                                                       | 2023 | 10.1134/S106377882309003X   |
| Porous Polylactide Microparticles as Effective Fillers for Hydrogels                                                                                                             | Biomimetics                                                                    | 2023 | 10.3390/biomimetics8080565  |
| Electroresponsive Materials for Soft Robotics                                                                                                                                    | Nanobiotechnology Reports                                                      | 2023 | 10.1134/S2635167623700039   |
| A Study of the Processes of the Cultivation and Useful Products Accumulation by the Microalgae <i>Chlorella vulgaris</i> in a Photobioreactor with a Fiber-Optic Lighting System | Nanobiotechnology Reports                                                      | 2023 | 10.1134/S2635167623010081   |
| ИЗУЧЕНИЕ ПРОЦЕССОВ КУЛЬТИВИРОВАНИЯ И НАКОПЛЕНИЯ ПОЛЕЗНЫХ ПРОДУКТОВ МИКРОВОДОРОСЛЯМИ <i>Chlorella vulgaris</i> В ФОТОБИОРЕАКТОРЕ С ОПТОВОЛОКОННОЙ СИСТЕМОЙ ОСВЕЩЕНИЯ              | Российские нанотехнологии                                                      | 2023 |                             |
| СТИМУЛЯЦИЯ МЫШЕЧНЫХ КЛЕТОК С ИСПОЛЬЗОВАНИЕМ МИКРОБНОГО БИОТОПЛИВНОГО ЭЛЕМЕНТА                                                                                                    | Российские нанотехнологии                                                      | 2023 |                             |
| Memristive circuit-based model of central pattern generator to reproduce spinal neuronal activity in walking pattern                                                             | Frontiers in Neuroscience                                                      | 2023 | 10.3389/fnins.2023.1124950  |
| Измерение радиальных распределений геодезической акустической моды и квазикогерентной моды пучком тяжелых ионов в омической плазме на токамаке T-10                              | Ядерная физика и инжиниринг                                                    | 2023 |                             |
| Quantization of Nonsmooth Curves and the Semiclassical Spectrum of the One-Dimensional Schrödinger Operator with a Localized Perturbation of the Potential                       | Russian Journal of Mathematical Physics                                        | 2023 | 10.1134/S1061920823020073   |
| ПЕРСПЕКТИВНЫЙ ЭЛЕКТРОДНЫЙ МАТЕРИАЛ ДЛЯ МИКРОБНЫХ БИОТОПЛИВНЫХ ЭЛЕМЕНТОВ НА ОСНОВЕ ПРИРОДНЫХ ПОЛИМЕРОВ                                                                            | Российские нанотехнологии                                                      | 2023 |                             |
| Электрочувствительные материалы для мягкой робототехники                                                                                                                         | Российские нанотехнологии                                                      | 2023 |                             |
| Signatures of nonlocal electrical conductivity in near-field microscopy                                                                                                          | Physical Review B                                                              | 2023 | 10.1103/PhysRevB.107.205409 |
| Nitrogen Phase Diagram at High P-T Conditions by the T-USPEX Method                                                                                                              | Journal of Physical Chemistry C                                                | 2023 | 10.1021/acs.jpcc.2c09008    |

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| Возбуждение квантового осциллятора короткими электромагнитными импульсами: зависимость от абсолютной фазы                                                  | Известия вузов. Физика                                                                                      | 2023 |                                |
| Импульсное возбуждение гармонического осциллятора: зависимость от параметров возбуждающей силы                                                             | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                |
| Energy transfer from ultrashort electromagnetic pulses to a medium: From micro to macro description                                                        | Physics Letters, Section A: General, Atomic and Solid State Physics                                         | 2023 | 10.1016/j.physleta.2023.129050 |
| Probabilistic Model of the Scattering of Ultrashort Pulses on a Free Electron                                                                              | Doklady Physics                                                                                             | 2023 | 10.1134/S102833582305004X      |
| КОНФОРМАЦИОННЫЕ АСПЕКТЫ ФОРМИРОВАНИЯ СТРУКТУР ОСТОВА ПОЛИПЕПТИДНЫХ ЦЕПЕЙ В БЕЛКАХ. СВЯЗЬ КОНФОРМАЦИОННОЙ СТАБИЛЬНОСТИ/ЛАБИЛЬНОСТИ С ТИПОМ $\beta$ -ИЗГИБОВ | Биофизика                                                                                                   | 2023 |                                |
| Management of Hardware Vulnerabilities in the Life Cycle Stages of Microprocessors and Computers                                                           | Inventions                                                                                                  | 2023 | 10.3390/inventions8040098      |
| Delaying Medium for Broadband Lens Antennas Based on Corrugated Metal Surfaces                                                                             | Journal of Communications Technology and Electronics                                                        | 2023 | 10.1134/S1064226923090103      |
| All-fiber 3D system for permanent seismic monitoring of a coastal shelf                                                                                    | Proceedings of SPIE - The International Society for Optical Engineering                                     | 2023 | 10.1117/12.2647876             |
| ВЕРОЯТНОСТНАЯ МОДЕЛЬ РАССЕЯНИЯ УЛЬТРАКОРОТКИХ ИМПУЛЬСОВ НА СВОБОДНОМ ЭЛЕКТРОНЕ                                                                             | Доклады Российской академии наук. Физика, технические науки                                                 | 2023 |                                |
| Исследование алгоритмов предварительной частотной синхронизации в приемнике спутниковой связи в условиях негеостационарной орбиты космического аппарата    | Журнал радиоэлектроники                                                                                     | 2023 |                                |
| АЛАНИН: ОБЫЧНОЕ И НЕОЖИДАННОЕ                                                                                                                              | Биофизика                                                                                                   | 2023 |                                |
| Scattering of X-ray Ultrashort Laser Pulses on Bound Electrons in Dense Plasma                                                                             | Atoms                                                                                                       | 2023 | 10.3390/atoms11060100          |
| Аугментация языковой модели памятью на основе неопределенности предсказаний для решения задачи поиска ответа на вопрос по документу                        | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                |
| Magnetic Properties of an SrMnO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Heterostructure on an NdGaO <sub>3</sub> Substrate      | JETP Letters                                                                                                | 2023 | 10.1134/S0021364023600349      |
| Interaction between spin and Abrikosov vortices in doped topological insulators                                                                            | Physical Review B                                                                                           | 2023 | 10.1103/PhysRevB.107.134515    |
| Polyethyleneimine-Starch Functionalization of Single-Walled Carbon Nanotubes for Carbon Dioxide Sensing at Room Temperature                                | ACS Omega                                                                                                   | 2023 | 10.1021/acsomega.2c06243       |

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| REST API and Web Interface for the Event Metadata System of the BM@N Experiment                                                     | Physics of Particles and Nuclei Letters                                                         | 2023 | 10.1134/S1547477123060092        |
| Bursting Dynamics of Spiking Neural Network Induced by Active Extracellular Medium                                                  | Mathematics                                                                                     | 2023 | 10.3390/math11092109             |
| Artificial Neural Network Model with Astrocyte-Driven Short-Term Memory                                                             | Biomimetics                                                                                     | 2023 | 10.3390/biomimetics8050422       |
| Estimating the Probability of Falling Share Price Below the Minimum Level                                                           | 9th 2023 International Conference on Control, Decision and Information Technologies, CoDIT 2023 | 2023 | 10.1109/CoDIT58514.2023.10284358 |
| The First Achievement of a Given Level by a Random Process                                                                          | Proceedings of the IEEE Conference on Decision and Control                                      | 2023 | 10.1109/CDC49753.2023.10384174   |
| БАД-методология и дифференцирование сложной функции                                                                                 | Журнал вычислительной математики и математической физики                                        | 2023 |                                  |
| Thrust Control for Aircraft Landing on a Carrier                                                                                    | Automation and Remote Control                                                                   | 2023 | 10.1134/S0005117923030098        |
| FAD Technique and Differentiation of a Composite Function                                                                           | Computational Mathematics and Mathematical Physics                                              | 2023 | 10.1134/S0965542523010037        |
| На пути к реализации высокопроизводительных вычислений в памяти на основе мемристорной электронной компонентной базы                | Физмат                                                                                          | 2023 |                                  |
| STDP-Driven Rewiring in Spiking Neural Networks under Stimulus-Induced and Spontaneous Activity                                     | Biomimetics                                                                                     | 2023 | 10.3390/biomimetics8030320       |
| Эффект захвата фазы в модели спайковой нейронной сети с контекст-зависимой архитектурой связей                                      | Гены и Клетки                                                                                   | 2023 |                                  |
| Epileptiform Activity in a Neuron-Astrocyte Network Model                                                                           | Proceedings - 5th International Conference "Neurotechnologies and Neurointerfaces", CNN 2023    | 2023 | 10.1109/CNN59923.2023.10275171   |
| Control of movement of underwater swimmers: Animals, simulated animates and swimming robots                                         | Physics of Life Reviews                                                                         | 2023 |                                  |
| Loss of neuron network coherence induced by virus-infected astrocytes: a model study                                                | Scientific Reports                                                                              | 2023 | 10.1038/s41598-023-33622-0       |
| О вытягивании мезомасштабных вихрей в филаменты и распределении их на поверхности океана                                            | Известия вузов. Радиофизика                                                                     | 2023 |                                  |
| ON PRESSURE WAVES IN SATURATED FRACTURED POROUS MEDIUM WITH DAMAGEABLE MATRIX                                                       | Journal of Porous Media                                                                         | 2023 | 10.1615/JPorMedia.2023044850     |
| Control of movement of underwater swimmers: Animals, simulated animates and swimming robots                                         | Physics of Life Reviews                                                                         | 2023 | 10.1016/j.plrev.2023.10.037      |
| Условия трансформации мезомасштабного вихря в субмезомасштабную вихревую нить при вытягивании его неоднородным баротропным течением | Океанология                                                                                     | 2023 |                                  |
| Оценка конвективных тепловых потоков для метеороидных тел в трехмерной постановке                                                   | Теплофизика высоких температур                                                                  | 2023 |                                  |

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| Алгоритм переключения наземного измерительного средства при составлении расписания наблюдений из космическими аппаратами                                         | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                 |
| ON PRESSURE WAVES IN SATURATED FRACTURED POROUS MEDIUM WITH DAMAGEABLE MATRIX                                                                                    | J POROUS MEDIA                                                                                              | 2023 |                                 |
| Applicability of Semiconductor Methane Sensors for Measuring Methane Emission from the Surface of a Water Body                                                   | Atmospheric and Oceanic Optics                                                                              | 2023 | 10.1134/S1024856023040097       |
| Бароклинная модель Большого Красного пятна Юпитера                                                                                                               | Известия Российской академии наук. Физика атмосферы и океана                                                | 2023 |                                 |
| Changes in the Available Potential and Kinetic Energy of Mesoscale Vortices When They Are Stretched into Filaments                                               | Journal of Marine Science and Engineering                                                                   | 2023 | 10.3390/jmse11061131            |
| REST API и веб-интерфейс для системы метаданных событий эксперимента BM@N                                                                                        | Письма в журнал Физика элементарных частиц и атомного ядра                                                  | 2023 |                                 |
| Реализация Программы экспериментального правового режима в сфере цифровых инноваций по безопасной эксплуатации беспилотных авиационных систем в Томской области  | Технологии безопасности жизнедеятельности                                                                   | 2023 |                                 |
| Implementation of the Event Metadata System for physics analysis in the NICA experiments                                                                         | Journal of Physics: Conference Series                                                                       | 2023 | 10.1088/1742-6596/2438/1/012046 |
| Vortex zone dynamics in premixed flame under complex gravity and acoustic impact                                                                                 | Physics of Fluids                                                                                           | 2023 | 10.1063/5.0150239               |
| On the Stretching of Mesoscale Vortices into Filaments and their Distribution over the Ocean Surface                                                             | Radiophysics and Quantum Electronics                                                                        | 2023 | 10.1007/s11141-023-10278-4      |
| Conditions for Transformation of a Mesoscale Vortex into a Submesoscale Vortex Filament When the Vortex Is Stretched by an Inhomogeneous Barotropic Flow         | Oceanology                                                                                                  | 2023 | 10.1134/S0001437023020145       |
| Приложение к реальному океану теории трансформации мезомасштабного вихря в субмезомасштабную вихревую нить при вытягивании его неоднородным баротропным течением | Океанология                                                                                                 | 2023 |                                 |
| Model of Neuromorphic Odorant-Recognition Network                                                                                                                | Biomimetics                                                                                                 | 2023 | 10.3390/biomimetics8030277      |
| Phase-locked states in a spiking neural network model with a context-dependent connectivity                                                                      | Proceedings - 7th Scientific School: Dynamics of Complex Networks and their Applications, DCNA 2023         | 2023 | 10.1109/DCNA59899.2023.10290547 |
| Occupancy of lattice positions probed by X-ray photoelectron diffraction: A case study of tetradymite topological insulators                                     | Surfaces and Interfaces                                                                                     | 2023 | 10.1016/j.surfin.2022.102516    |
| МОДЕЛИРОВАНИЕ СИСТЕМЫ УПРАВЛЕНИЯ РОБОТА-РОКЛЫ                                                                                                                    | Правовая информатика                                                                                        | 2023 |                                 |
| Analytical Model of Reflection of the Individual Multipoles Fields from a Flat Substrate                                                                         | Lecture Notes in Networks and Systems                                                                       | 2023 | 10.1007/978-3-031-35311-6_42    |

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| Генезис коллективных возбуждений в спектрах проводимости высших боридов RB6 и RB12 с кооперативной структурной неустойчивостью                                             | Письма в Журнал экспериментальной и теоретической физики                                                                             | 2023 |                               |
| Reactive Ion Etching of X-Cut LiNbO3 in an ICP/TCP System for the Fabrication of an Optical Ridge Waveguide                                                                | Applied Sciences (Switzerland)                                                                                                       | 2023 | 10.3390/app13042097           |
| Spin order on the pyrochlore lattice: Magnetic crystallography, Landau thermodynamics and emergent phenomena                                                               | Acta Materialia                                                                                                                      | 2023 | 10.1016/j.actamat.2023.119187 |
| Hexagonal boron nitride nanophotonics: a record-breaking material for the ultraviolet and visible spectral ranges                                                          | Materials Horizons                                                                                                                   | 2023 |                               |
| Low-Energy He+ Ions Induced Functionalization of the MoS2 Surface for ALD HfO2 Growth Enhancement                                                                          | Journal of Physical Chemistry C                                                                                                      | 2023 | 10.1021/acs.jpcc.3c00578      |
| Анализ на основе математической модели механизмов стимулирования производственных инвестиций на несовершенном рынке капитала                                               | Журнал вычислительной математики и математической физики                                                                             | 2023 |                               |
| Young Duality for Variational Inequalities and Nonparametric Method of Demand Analysis in Input–Output Models with Inputs Substitution: Application for Kazakhstan Economy | Mathematics                                                                                                                          | 2023 | 10.3390/math11194216          |
| Technology of Input–Output Analysis with CES Production: Application for Studying the Kazakhstan Supply Chain during the COVID-19 Pandemic                                 | Sustainability (Switzerland)                                                                                                         | 2023 | 10.3390/su151914057           |
| The group behaviour modelling of workers in the labor market                                                                                                               | Russian Journal of Numerical Analysis and Mathematical Modelling                                                                     | 2023 | 10.1515/rnam-2023-0017        |
| MARTI-4: New Model of Human Brain, Considering Neocortex and Basal Ganglia – Learns to Play Atari Game by Reinforcement Learning on a Single CPU                           | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-19907-3_7   |
| Метод обработки фото- и видеоданных с фотоловушек с использованием двухстадийного нейросетевого подхода                                                                    | Искусственный интеллект и принятие решений                                                                                           | 2023 |                               |
| Исследование зависимости чувствительности электрохимического датчика движения планарного типа от геометрических параметров электродной системы                             | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                          | 2023 |                               |
| Формирование регистраций животных на основе постобработки данных фотоловушек                                                                                               | Экосистемы                                                                                                                           | 2023 |                               |
| РАЗРАБОТКА ПРОТОТИПА МНОГОФУНКЦИОНАЛЬНОЙ ОПТИКО-ЭЛЕКТРОННОЙ СИСТЕМЫ КРУГОВОГО ОБЗОРА ДЛЯ ОБЕСПЕЧЕНИЯ ВИЗУАЛЬНОГО ОРИЕНТИРОВАНИЯ БЕСПИЛОТНЫХ ТРАНСПОРТНЫХ СРЕДСТВ           | Научное приборостроение                                                                                                              | 2023 |                               |
| Spatial Computing in Modular Spiking Neural Networks with a Robotic Embodiment                                                                                             | Mathematics                                                                                                                          | 2023 | 10.3390/math11010234          |

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| СИСТЕМА АНАЛИЗА ДАННЫХ С ФОТОЛОВУШЕК ДЛЯ ОПЕРАТИВНОГО ДИСТАНЦИОННОГО МОНИТОРИНГА ПРИРОДНЫХ ТЕРРИТОРИЙ                                                                                     | Вестник Московского государственного технического университета им. Н.Э. Баумана. Серия Приборостроение                               | 2023 |                                  |
| Nonlinearity-Induced Optical Torque                                                                                                                                                       | Physical Review Letters                                                                                                              | 2023 | 10.1103/PhysRevLett.130.243802   |
| Tunable optical properties of transition metal dichalcogenide nanoparticles synthesized by femtosecond laser ablation and fragmentation                                                   | Journal of Materials Chemistry C                                                                                                     | 2023 | 10.1039/d2tc05235k               |
| Resonance cascading in a ceramic tag for long-range omnidirectional radio-frequency identification communication                                                                          | Physical Review Applied                                                                                                              | 2023 | 10.1103/PhysRevApplied.20.064022 |
| Quenching of second-harmonic generation by epsilon-near-zero media                                                                                                                        | Photonics Research                                                                                                                   | 2023 | 10.1364/PRJ.491949               |
| Синтез и инфракрасная спектроскопия высокоэнтропийной керамики со структурой магнетоплюмбита                                                                                              | Журнал структурной химии                                                                                                             | 2023 |                                  |
| Toward Molecular Chiral Polaritons                                                                                                                                                        | ACS Photonics                                                                                                                        | 2023 | 10.1021/acsp Photonics.2c02011   |
| Optical Properties and Photo-Heating of Aqueous Suspensions of Silicon-Based Nanocomposite Particles with Deposited Gold                                                                  | Optics and Spectroscopy                                                                                                              | 2023 | 10.1134/S0030400X23050090        |
| Stabilization of the Nano-Sized 1T Phase through Rhenium Doping in the Metal-Organic CVD MoS <sub>2</sub> Films                                                                           | ACS Omega                                                                                                                            | 2023 | 10.1021/acsomega.2c06794         |
| General Equilibrium Models in Production Networks with Substitution of Inputs                                                                                                             | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-35305-5_1      |
| Analysis of Mechanisms of Production Investment Stimulation in an Imperfect Capital Market Based on a Mathematical Model                                                                  | Computational Mathematics and Mathematical Physics                                                                                   | 2023 | 10.1134/S0965542523030107        |
| Nonlinear Input-Output Model with Nested CES Technologies for the Analysis of Macroeconomic Effects of a Foreign Trade Shock                                                              | Lobachevskii Journal of Mathematics                                                                                                  | 2023 | 10.1134/S1995080223010304        |
| Two Ultraviolet Optical Crystals K6B12O19F4 and K12B28O48: The Effects of Metal Cations Size and the F Ions on the Structure                                                              | Inorganic Chemistry                                                                                                                  | 2023 | 10.1021/acs.inorgchem.3c00519    |
| Chiral Polaritons: Analytical Solutions, Intuition, and Use                                                                                                                               | Journal of Physical Chemistry Letters                                                                                                | 2023 | 10.1021/acs.jpcllett.3c00286     |
| Вспомогательные сервисы для базы данных состояний эксперимента BM@N на NICA                                                                                                               | Письма в журнал Физика элементарных частиц и атомного ядра                                                                           | 2023 |                                  |
| Application to the World Ocean of the Theory of Transformation of a Mesoscale Vortex into a Submesoscale Vortex Filament When the Vortex Is Elongated by an Inhomogeneous Barotropic Flow | Oceanology                                                                                                                           | 2023 | 10.1134/S0001437023020157        |
| Estimation of Convective Heat Fluxes for Meteoroid Bodies in a Three-Dimensional Formulation                                                                                              | High Temperature                                                                                                                     | 2023 | 10.1134/S0018151X23040090        |
| Transition from Pauli paramagnetism to Curie-Weiss behavior in vanadium                                                                                                                   | Physical Review B                                                                                                                    | 2023 | 10.1103/PhysRevB.107.035116      |

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| Influence of Poloidal Magnetic Field on the Parameters and Dynamics of a Plasma Flow Generated in a Plasma-Focus Discharge in a Laboratory Simulation of Jets from Young Stellar Objects             | Astronomy Reports                                 | 2023 | 10.1134/S1063772923010043   |
| Detection of a Peculiar Drift in the Nuclear Radio Jet of the TeV Blazar Markarian 501                                                                                                               | Universe                                          | 2023 | 10.3390/universe9030115     |
| Laboratory modeling of jets from young stars using plasma focus facilities                                                                                                                           | Physics-Uspekhi                                   | 2023 | 10.3367/UFNe.2021.12.039130 |
| On the triple pulsar profiles generated by ordinary mode                                                                                                                                             | Monthly Notices of the Royal Astronomical Society | 2023 | 10.1093/mnras/stad2731      |
| К проблеме граничных условий для уравнений смешанного типа, возникающих при описании астрофизических трансзвуковых течений                                                                           | Успехи физических наук                            | 2023 |                             |
| CLEAN imaging systematics of M87 radio jet                                                                                                                                                           | Monthly Notices of the Royal Astronomical Society | 2023 | 10.1093/mnras/stad1527      |
| Simulations of Linear Polarization of Precessing AGN Jets at Parsec Scales                                                                                                                           | Astronomy Reports                                 | 2023 | 10.1134/S1063772923120119   |
| First Adiabatic Invariant and the Brightness Temperature of Relativistic Jets                                                                                                                        | Astronomy Letters                                 | 2023 | 10.1134/S1063773723030015   |
| Simulation of the "Central Engine" of Astrophysical Jets within the Plasma Focus Facility                                                                                                            | Astronomy Reports                                 | 2023 | 10.1134/S1063772923010018   |
| Влияние полоидального магнитного поля на параметры и динамику плазменного потока, генерируемого в плазмофокусном разряде, при лабораторном моделировании струйных выбросов молодых звездных объектов | Астрономический журнал                            | 2023 |                             |
| Synchrotron intensity plots from a relativistic stratified jet                                                                                                                                       | Monthly Notices of the Royal Astronomical Society | 2023 | 10.1093/mnras/stad1381      |
| Лабораторное моделирование струйных выбросов из молодых звёзд на установках с плазменным фокусом                                                                                                     | Успехи физических наук                            | 2023 |                             |
| On the problem of boundary conditions for mixed type equations arising in the description of astrophysical transonic flows                                                                           | Physics-Uspekhi                                   | 2023 | 10.3367/UFNe.2022.07.039217 |
| Моделирование линейной поляризации для прецессирующих струй активных ядер галактик                                                                                                                   | Астрономический журнал                            | 2023 |                             |
| Фотокаталитические свойства наноразмерного композита Au/TiO <sub>2</sub>                                                                                                                             | Прикладная фотоника                               | 2023 |                             |
| Degradation Spectrum of Electrons in Methane                                                                                                                                                         | Plasma Physics Reports                            | 2023 | 10.1134/S1063780X23600032   |
| Quasi-BIC high-index resonators for liquid characterization and analysis                                                                                                                             | Applied Physics Letters                           | 2023 | 10.1063/5.0170786           |
| Deep-Level Emission Tailoring in ZnO Nanostructures Grown via Hydrothermal Synthesis                                                                                                                 | ST PETER POLY U J-PH                              | 2023 |                             |
| Broadband Optical Properties of Bi <sub>2</sub> Se <sub>3</sub>                                                                                                                                      | Nanomaterials                                     | 2023 | 10.3390/nano13091460        |

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| DFT+DMFT study of exchange interactions in cobalt and their implications for the competition of hcp and fcc phases                                             | Physical Review B                                 | 2023 | 10.1103/PhysRevB.108.235170   |
| Multiresonances of Quasi-Trapped Modes in Metasurfaces Based on Nanoparticles of Transition Metal Dichalcogenides                                              | Applied Sciences (Switzerland)                    | 2023 | 10.3390/app13158961           |
| Internal failure coupled with interfacial disintegration of solid-state electrolyte induced by the electrodeposition of lithium metal under defected interface | Energy Storage Materials                          | 2023 | 10.1016/j.ensm.2023.02.032    |
| Laser-Ablative Synthesis of Silicon–Iron Composite Nanoparticles for Theranostic Applications                                                                  | Nanomaterials                                     | 2023 | 10.3390/nano13152256          |
| Upper bounds on collective light-matter coupling strength with plasmonic meta-atoms                                                                            | Physical Review B                                 | 2023 | 10.1103/PhysRevB.108.075417   |
| Editorial: Neuroelectronics: towards symbiosis of neuronal systems and emerging electronics                                                                    | Frontiers in Neuroscience                         | 2023 | 10.3389/fnins.2023.1227798    |
| MATHEMATICAL MODEL OF ECONOMIC DYNAMICS IN AN EPIDEMIC                                                                                                         | Siberian Electronic Mathematical Reports          | 2023 | 10.33048/semi.2023.20.047     |
| Optimizing deposition regimes to fabricate VO <sub>2</sub> /TiO <sub>2</sub> /c-Al <sub>2</sub> O <sub>3</sub> thin films for active metasurfaces              | Journal of Advanced Dielectrics                   | 2023 | 10.1142/S2010135X23400118     |
| Effect of vacancies on magnetic correlations and conductance in graphene nanoflakes with realistic Coulomb interaction                                         | Physical Review B                                 | 2023 | 10.1103/PhysRevB.108.245117   |
| Design of silicone interfaces with antibacterial properties                                                                                                    | Biofouling                                        | 2023 | 10.1080/08927014.2023.2228206 |
| Влияние нелинейности на особую точку в системе связанных осцилляторов Дуффинга                                                                                 | Радиотехника и электроника                        | 2023 |                               |
| ПОПЕРЕЧНЫЙ АДИАБАТИЧЕСКИЙ ИНВАРИАНТ И ЯРКОСТНАЯ ТЕМПЕРАТУРА РЕЛЯТИВИСТСКИХ ДЖЕТОВ                                                                              | Письма в Астрономический журнал                   | 2023 |                               |
| On the internal structure of relativistic jets with zero velocity along the axis                                                                               | Monthly Notices of the Royal Astronomical Society | 2023 | 10.1093/mnras/stad2064        |
| Моделирование “центральной машины” астрофизических струйных выбросов на установке плазменного фокуса                                                           | Астрономический журнал                            | 2023 |                               |
| Dynamic Image Representation in a Spiking Neural Network Supplied by Astrocytes                                                                                | Mathematics                                       | 2023 | 10.3390/math11030561          |
| Прямой и обратный каскад энергии при вытягивании вихрей в океане                                                                                               | Доклады Российской академии наук. Науки о Земле   | 2023 |                               |
| Повышение эффективности текстурной сегментации лесного полога по изображениям сверхвысокого пространственного разрешения                                       | Лесной вестник. Forestry Bulletin                 | 2023 |                               |
| Redistribution of Energy during Horizontal Stretching of Ocean Vortices by Barotropic Currents                                                                 | Oceanology                                        | 2023 | 10.1134/S0001437023010186     |
| Production of $\pi^+$ and $K^+$ mesons in argon-nucleus interactions at 3.2 A GeV                                                                              | Journal of High Energy Physics                    | 2023 | 10.1007/JHEP07(2023)174       |

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| Оптимизационные методы составления расписания наблюдений за космическими аппаратами в околоземном пространстве наземными радиотехническими измерительными средствами                                               | Журнал радиоэлектроники                                                                                                                                                       | 2023 |                                 |
| Создание прототипа охлаждаемой мозаичной фокальной плоскости                                                                                                                                                       | Ракетно-космическое приборостроение и информационные системы                                                                                                                  | 2023 |                                 |
| Baroclinic Model of Jupiter's Great Red Spot                                                                                                                                                                       | Izvestiya - Atmospheric and Ocean Physics                                                                                                                                     | 2023 | 10.1134/S0001433823030088       |
| Опыт применения программного пакета "Аннотатор" в процессе обработки космической съемки для задач геоинформационного моделирования                                                                                 | Славянский форум                                                                                                                                                              | 2023 |                                 |
| Production of $\pi^+$ and $K^+$ mesons in argon-nucleus interactions at 3.2 A GeV                                                                                                                                  | J HIGH ENERGY PHYS                                                                                                                                                            | 2023 |                                 |
| Characterization of Microwave Properties of Superconducting NbTiN Films Using TDS                                                                                                                                  | IEEE Transactions on Terahertz Science and Technology                                                                                                                         | 2023 | 10.1109/THZ.2023.3321252        |
| Anomalous optical response of graphene on hexagonal boron nitride substrates                                                                                                                                       | Communications Physics                                                                                                                                                        | 2023 | 10.1038/s42005-023-01129-9      |
| Spatiotemporal analysis of structured Langmuir films formed from stabilised CdSe/CdS/ZnS quantum dots                                                                                                              | Materials Letters                                                                                                                                                             | 2023 | 10.1016/j.matlet.2022.133472    |
| Supramolecular Assemblies of Melamine-2-Thiobarbiturate and Melamine-Barbiturate-2-Thiobarbiturate: Experimental and Theoretical Studies                                                                           | Crystals                                                                                                                                                                      | 2023 | 10.3390/cryst13091302           |
| Pressure sensing with ZnO structures in PDMS matrix via impedance spectroscopy                                                                                                                                     | ST PETER POLY U J-PH                                                                                                                                                          | 2023 |                                 |
| Особенности синтеза МАХ-фаз $Ti_{x-1}AlC_x$ методом искрового плазменного спекания                                                                                                                                 | Труды Кольского научного центра РАН. Серия: Технические науки                                                                                                                 | 2023 |                                 |
| Optimized Synthesis of $Ti_2AlC$ by Spark Plasma Sintering                                                                                                                                                         | Bulletin of the Russian Academy of Sciences: Physics                                                                                                                          | 2023 | 10.1134/S1062873823705925       |
| Reinforced interface endows the lithium anode with stable cycle at high-temperature of 80 °C                                                                                                                       | Journal of Energy Chemistry                                                                                                                                                   | 2023 | 10.1016/j.jechem.2022.12.004    |
| Erratum: Tunable optical properties of transition metal dichalcogenide nanoparticles synthesized by femtosecond laser ablation and fragmentation (J. Mater. Chem. C (2023) 11 (3493–3503) DOI: 10.1039/D2TC05235K) | Journal of Materials Chemistry C                                                                                                                                              | 2023 | 10.1039/d3tc90084c              |
| Ceramic RFID Tag for Omnidirectional Long-Range Communication                                                                                                                                                      | International Conference on Electromagnetics in Advanced Applications and IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications, ICEAA-APWC 2023 | 2023 | 10.1109/APWC57320.2023.10297483 |
| 3D printed optimized phased array with volumetric emitters                                                                                                                                                         | Proceedings of the International Conference Days on Diffraction, DD 2023                                                                                                      | 2023 | 10.1109/DD58728.2023.10325829   |

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| Влияние подложки на фотолюминесцентные свойства нанокристаллов органометаллических перовскитов                                                             | Ядерная физика и инжиниринг                                                                  | 2023 |                                  |
| Refraction laws for two-dimensional plasmons                                                                                                               | Physical Review B                                                                            | 2023 | 10.1103/PhysRevB.108.L121410     |
| SERS substrates based on rose petal replicas for the oxidative stress detection                                                                            | Applied Surface Science                                                                      | 2023 | 10.1016/j.apsusc.2023.157281     |
| О влиянии морфологии поверхности сажевых частиц на кинетику их роста. Молекулярно-динамическое исследование                                                | Теплофизика высоких температур                                                               | 2023 |                                  |
| Mean-Field Model of Glia-Mediated Appearance of Brain Rhythms in Normal and Pathological Conditions                                                        | Proceedings - 5th International Conference "Neurotechnologies and Neurointerfaces", CNN 2023 | 2023 | 10.1109/CNN59923.2023.10275286   |
| Covid Olfactory Dysfunction Model                                                                                                                          | Proceedings - 5th International Conference "Neurotechnologies and Neurointerfaces", CNN 2023 | 2023 | 10.1109/CNN59923.2023.10275264   |
| The Synergy of Synaptic Scaling and Internal Homeostatic Plasticity                                                                                        | Proceedings - 5th International Conference "Neurotechnologies and Neurointerfaces", CNN 2023 | 2023 | 10.1109/CNN59923.2023.10275187   |
| Model of Astrocyte Regulation of Spike-Timing-Dependent Plasticity                                                                                         | Proceedings - 5th International Conference "Neurotechnologies and Neurointerfaces", CNN 2023 | 2023 | 10.1109/CNN59923.2023.10275176   |
| Neuromorphic Computing Based on CMOS-Integrated Memristive Arrays: Current State and Perspectives*                                                         | Supercomputing Frontiers and Innovations                                                     | 2023 | 10.14529/JSFI230206              |
| Temporal Evolution and Operation Peculiarities of Plasma Source Based on Vacuum Arc with CeO2 Cathode                                                      | Plasma Chemistry and Plasma Processing                                                       | 2023 | 10.1007/s11090-022-10284-w       |
| Полностью оптическая стабилизация коэффициента усиления волоконного усилителя с удаленной оптической накачкой                                              | Квантовая электроника                                                                        | 2023 |                                  |
| The gas-phase formation mechanism of iodic acid as an atmospheric aerosol source                                                                           | Nature Chemistry                                                                             | 2023 | 10.1038/s41557-022-01067-z       |
| ВЛИЯНИЕ pH И СОСТАВА ПИТАТЕЛЬНОЙ СРЕДЫ НА ДЕГИДРОГЕНАЗНУЮ АКТИВНОСТЬ ЭКСТРАКТОВ, ПОЛУЧЕННЫХ ИЗ <i>ESCHERICHIA COLI</i>                                     | Известия высших учебных заведений. Северо-Кавказский регион. Серия: Естественные науки       | 2023 |                                  |
| To the 85th anniversary of Dmitry Ivanovich Trubetskov                                                                                                     | Izvestiya Vysshikh Uchebnykh Zavedeniy. Prikladnaya Nelineynaya Dinamika                     | 2023 | 10.18500/0869-6632-003044        |
| Физиологические функции тромбоцитов и значение коррекции их нарушений при остром коронарном синдроме                                                       | Успехи физиологических наук                                                                  | 2023 |                                  |
| Исследование образования радиационно-стимулированных примесных дефектов в кристаллах $\text{CaF}_2$ , активированных трехвалентными редкоземельными ионами | Кристаллография                                                                              | 2023 |                                  |
| Study of the Formation of Radiation-Stimulated Impurity Defects in $\text{CaF}_2$ Crystals Activated by Trivalent Rare-Earth Ions                          | Crystallography Reports                                                                      | 2023 | 10.1134/S1063774523010224        |
| DYT1 dystonia: Neurophysiological properties of the pallidal activity                                                                                      | Parkinsonism and Related Disorders                                                           | 2023 | 10.1016/j.parkreldis.2023.105447 |
| Analysis of the Structural Transformations Underlying the Design of Innovative Next-in-Class Drugs                                                         | Russian Journal of General Chemistry                                                         | 2023 | 10.1134/S107036322315001X        |

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| Sorting Space Configuration Comparison for the Multi-Agent Robotic Sorting System*                                                                                                                                                                                       | 2023 WRC Symposium on Advanced Robotics and Automation, WRC SARA 2023 | 2023 | 10.1109/WRCSARA60131.2023.10261793 |
| Proton-Spin-Flipping System Based on Orbit-Steerer Dipoles in the Nuclotron/JINR Operating at the $\gamma G = 7$ Spin Resonance                                                                                                                                          | JETP Letters                                                          | 2023 | 10.1134/S0021364023602695          |
| Сравнение методов расчета сверхпроводниковых интегральных структур с помощью полуаналитического расчета и в программах численного трехмерного моделирования                                                                                                              | Радиотехника и электроника                                            | 2023 |                                    |
| Моделирование процессов социальной самоорганизации интеллектуальных агентов                                                                                                                                                                                              | Прикладная информатика                                                | 2023 |                                    |
| Модель интеллектуального планирования поведения робота в коллективе роботов                                                                                                                                                                                              | Прикладная информатика                                                | 2023 |                                    |
| Оптимальное управление нормированием запасов на основе эволюционно-симулятивной модели                                                                                                                                                                                   | Прикладная информатика                                                | 2023 |                                    |
| Waste gas utilization potential for solid oxide fuel cells: A brief review                                                                                                                                                                                               | Renewable and Sustainable Energy Reviews                              | 2023 | 10.1016/j.rser.2023.113880         |
| Structure and Physical Properties of Ceramic Materials Based on ZrO <sub>2</sub> -Sc <sub>2</sub> O <sub>3</sub> for SOFC Electrolytic Membranes Obtained from Powders of Melted Solid Solutions with a Similar Composition                                              | Membranes                                                             | 2023 | 10.3390/membranes13080717          |
| Stability of the Structural and Transport Characteristics of (ZrO <sub>2</sub> ) <sub>0.99-x</sub> (Sc <sub>2</sub> O <sub>3</sub> ) <sub>x</sub> (R <sub>2</sub> O <sub>3</sub> ) <sub>0.01</sub> (R–Yb, Y, Tb, Gd) Electrolytic Membranes to High-Temperature Exposure | Membranes                                                             | 2023 | 10.3390/membranes13030312          |
| Does Pallidal Physiology Determine the Success of Unilateral Deep Brain Stimulation in Cervical Dystonia?                                                                                                                                                                | Advances in Neurobiology                                              | 2023 | 10.1007/978-3-031-26220-3_12       |
| Long-Term Conductivity Stability of Electrolytic Membranes of Scandia Stabilized Zirconia Co-Doped with Ytterbia                                                                                                                                                         | Membranes                                                             | 2023 | 10.3390/membranes13060586          |
| Graphene on SiO <sub>2</sub> /Si and Al <sub>2</sub> O <sub>3</sub> under thermal annealing and electric current: Competition of dopant desorption and conformation to substrate                                                                                         | Diamond and Related Materials                                         | 2023 | 10.1016/j.diamond.2023.110362      |
| Design of Superconducting Integrated Matching Circuits                                                                                                                                                                                                                   | Journal of Communications Technology and Electronics                  | 2023 | 10.1134/S1064226923100066          |
| Ultralow-noise Terahertz Detection by p-n Junctions in Gapped Bilayer Graphene                                                                                                                                                                                           | ACS Nano                                                              | 2023 | 10.1021/acsnano.2c12285            |
| Robust Word Vectors: Context-Informed Embeddings for Noisy Texts                                                                                                                                                                                                         | Journal of Mathematical Sciences (United States)                      | 2023 | 10.1007/s10958-023-06523-w         |
| Possibilities of Supercritical Fluid Technologies in the Task of Modification of Polymer Composite Materials Used in Aircraft Engineering                                                                                                                                | Russian Aeronautics                                                   | 2023 | 10.3103/S1068799823030194          |
| Ultrafast and slow luminescence decays at energy transfer from impurity-bound excitons                                                                                                                                                                                   | Optical Materials: X                                                  | 2023 | 10.1016/j.omx.2023.100237          |

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| Protein structure prediction using the evolutionary algorithm USPEX                                                                                                                                                                                                           | Proteins: Structure, Function and Bioinformatics     | 2023 | 10.1002/prot.26478                   |
| Improving Classification Robustness for Noisy Texts with Robust Word Vectors                                                                                                                                                                                                  | Journal of Mathematical Sciences (United States)     | 2023 | 10.1007/s10958-023-06522-x           |
| Crystal structure and electronic properties of low-dimensional hexamethylenediaminium lead halide perovskites                                                                                                                                                                 | Dalton Transactions                                  | 2023 | 10.1039/d3dt00438d                   |
| Application of Raman spectroscopy and SERS for the detection of fungi-destructors capable of biodegradation of cultural heritage at the State Tretyakov Gallery                                                                                                               | ST PETER POLY U J-PH                                 | 2023 |                                      |
| Research and development of aerospace vehicles with air breathing electric propulsion: Yesterday, today, and tomorrow                                                                                                                                                         | Progress in Aerospace Sciences                       | 2023 | 10.1016/j.paerosci.2022.100877       |
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| Nanostructured Transition Metal Dichalcogenide Multilayers for Advanced Nanophotonics                                                                                                                                                                                         | Laser and Photonics Reviews                          | 2023 | 10.1002/lpor.202200057               |
| The Dependence of the Oxygen Release Intensity from Erythrocytes on the Degree of Their Clustering in Sludges                                                                                                                                                                 | Biophysics (Russian Federation)                      | 2023 | 10.1134/S0006350923060167            |
| Энтропийные характеристики нейронной активности субталамического ядра в области эффективной стимуляции у пациентов с болезнью Паркинсона                                                                                                                                      | Гены и Клетки                                        | 2023 |                                      |
| Femtosecond Two-Photon Photopolymerization—Creating 3D Microstructures for Optical Applications                                                                                                                                                                               | Bulletin of the Russian Academy of Sciences: Physics | 2023 | 10.3103/S1062873823704452            |
| Low-frequency noise in focal plane array 640x512 InSb detectors; [Низкочастотные шумы в МФПУ формата 640x512 элементов с шагом 15 мкм на основе антимонида индия]                                                                                                             | Applied Physics                                      | 2023 | 10.51368/1996-0948-2023-5-68-74      |
| A Semigroup of Paths on a Sequence of Uniformly Elliptic Complexes                                                                                                                                                                                                            | Functional Analysis and its Applications             | 2023 | 10.1134/S0016266323020041            |
| Development of and research on machine learning algorithms for solving the classification problem in Twitter publications; [Разработка и исследование алгоритмов машинного обучения для решения задачи классификации в публикациях Twitter]                                   | Computer Research and Modeling                       | 2023 | 10.20537/2076-7633-2023-15-1-185-195 |
| Development of and research into a rigid algorithm for analyzing Twitter publications and its influence on the movements of the cryptocurrency market; [Разработка и исследование жесткого алгоритма анализа публикаций в Twitter и их влияния на движение рынка криптовалют] | Computer Research and Modeling                       | 2023 | 10.20537/2076-7633-2023-15-1-157-170 |
| Functionalized Fullerenes and Their Applications in Electrochemistry, Solar Cells, and Nanoelectronics                                                                                                                                                                        | Materials                                            | 2023 | 10.3390/ma16031276                   |

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| Final Results of GERDA on the Two-Neutrino Double- $\beta$ Decay Half-Life of Ge 76                                                                                               | Physical Review Letters                                       | 2023 | 10.1103/PhysRevLett.131.142501  |
| The influence of copper ions on the transport and relaxation properties of hydrated eumelanin                                                                                     | Physical Chemistry Chemical Physics                           | 2023 | 10.1039/d3cp00975k              |
| Auxiliary Services for the Condition Database of the BM@N Experiment at NICA                                                                                                      | Physics of Particles and Nuclei Letters                       | 2023 | 10.1134/S1547477123050291       |
| Effects of neck proprioceptive modulation on pallidal network connectivity in dystonia                                                                                            | International IEEE/EMBS Conference on Neural Engineering, NER | 2023 | 10.1109/NER52421.2023.10123779  |
| Proprioceptive Modulation of Pallidal Physiology in Cervical Dystonia                                                                                                             | Movement Disorders                                            | 2023 | 10.1002/mds.29603               |
| Investigation of optical properties of MWIR CdHgTe nBn heterostructures; [Исследования оптических характеристик nBn-гетероструктур на основе CdHgTe средневолнового ИК-диапазона] | Applied Physics                                               | 2023 | 10.51368/1996-0948-2023-6-28-35 |
| Spectroscopy of Semiconductor Heteroepitaxial Structures Based on InGaAs for the Development of NIR Photodetectors                                                                | Journal of Communications Technology and Electronics          | 2023 | 10.1134/S1064226923140103       |
| Photodetector Devices Based on p–i–n and Barrier Structures of the Mid-Wave IR Spectrum Range                                                                                     | Journal of Communications Technology and Electronics          | 2023 | 10.1134/S106422692303004X       |
| Investigation of spectral responses of QWIP photodetectors; [Исследование спектральных характеристик QWIP-фотоприёмников]                                                         | Applied Physics                                               | 2023 | 10.51368/1996-0948-2023-6-36-40 |
| Hybrid monolithic IR arrays based on colloidal quantum dots and 2D materials; [Гибридно-монокристаллические ИК-матрицы на основе коллоидных квантовых точек и 2D-материалов]      | Applied Physics                                               | 2023 | 10.51368/1996-0948-2023-6-45-53 |
| Temperature Dependence of Current in a InAsSb-Based p–n Photodiode                                                                                                                | Journal of Communications Technology and Electronics          | 2023 | 10.1134/S106422692314019X       |
| ЗАВИСИМОСТЬ ИНТЕНСИВНОСТИ ВЫСВОБОЖДЕНИЯ КИСЛОРОДА ИЗ ЭРИТРОЦИТОВ ОТ СТЕПЕНИ ИХ КЛАСТЕРИЗАЦИИ В СЛАДЖИ                                                                             | Биофизика                                                     | 2023 |                                 |
| Photodetectors and photodetector devices: terms and definitions. Innovations; [Фотоприемники и фотоприемные устройства: термины и определения. Нововведения]                      | Applied Physics                                               | 2023 | 10.51368/1996-0948-2023-4-61-65 |
| Investigation of the Spectral Response of nBn Photodiodes Based on InAsSb                                                                                                         | Journal of Communications Technology and Electronics          | 2023 | 10.1134/S1064226923140115       |
| Фотоприемные устройства коротковолнового ИК диапазона спектра, предназначенные для космического мониторинга                                                                       | Успехи прикладной физики                                      | 2023 |                                 |

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| Spectroscopy of semiconductor heteroepitaxial structures based on InGaAs for the development of NIR photodetectors; [Спектроскопия полупроводниковых гетероэпитаксиальных структур на основе InGaAs для разработки фотоприемных устройств ближнего ИК-диапазона] | Applied Physics                                                         | 2023 | 10.51368/1996-0948-2023-2-35-43   |
| Temperature dependence of current in InAsSb-based p–n photodiode; [Моделирование температурной зависимости темнового тока фотодиодов на основе тройного соединения InAsSb]                                                                                       | Applied Physics                                                         | 2023 | 10.51368/1996-0948-2023-3-45-54   |
| Матрицы ФПУ с улучшенной однородностью                                                                                                                                                                                                                           | Успехи прикладной физики                                                | 2023 |                                   |
| Multilayer Interference Coatings on the Basis of the Layers of Silicon and Dioxide of Silicon on the Thinning InSb FPA with Increased Mechanical Strength and Reproducibility                                                                                    | Journal of Communications Technology and Electronics                    | 2023 | 10.1134/S1064226923090164         |
| Simulation of heat load during characterisation control of micro cryogenic cooling systems of photodetectors; [Имитация тепловой нагрузки при контроле характеристик микрокриогенных систем охлаждения фотоприёмных устройств]                                   | Applied Physics                                                         | 2023 | 10.51368/1996-0948-2023-4-129-134 |
| Analytical model of indium antimonide absorption; [Аналитическая модель коэффициента поглощения антимонида индия]                                                                                                                                                | Applied Physics                                                         | 2023 | 10.51368/1996-0948-2023-5-61-67   |
| Investigation of the spectral response of nBn photodiodes based on InAsSb; [Исследование спектральной характеристики чувствительности nBn-фотодиодов на основе InAsSb]                                                                                           | Applied Physics                                                         | 2023 | 10.51368/1996-0948-2023-2-64-76   |
| Композитные полупроводниковые соединения на основе органических растворов и наночастиц, предназначенные для инфракрасного детектирования                                                                                                                         | Успехи прикладной физики                                                | 2023 |                                   |
| Focal Plane Arrays Based on the Binary and Ternary Antimonide-Group Homo- and Heterostructures                                                                                                                                                                   | Journal of Communications Technology and Electronics                    | 2023 | 10.1134/S1064226923090048         |
| Effect of the Surface Passivation on the I–V Characteristics of the XBn-InGaAs Focal Plane Arrays                                                                                                                                                                | Journal of Communications Technology and Electronics                    | 2023 | 10.1134/S1064226923030166         |
| Analytical Model of Quantum Efficiency of Indium-Antimonide Photodiodes                                                                                                                                                                                          | Journal of Communications Technology and Electronics                    | 2023 | 10.1134/S1064226923090139         |
| Energetic Electron Precipitation via Satellite and Balloon Observations: Their Role in Atmospheric Ionization                                                                                                                                                    | Remote Sensing                                                          | 2023 | 10.3390/rs15133291                |
| Simulation of VHF signal generated by avalanche of relativistic runaway electrons                                                                                                                                                                                | Proceedings of SPIE - The International Society for Optical Engineering | 2023 | 10.1117/12.2690870                |

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| Synthesis and Printing Features of a Hierarchical Nanocomposite Based on Nickel–Cobalt LDH and Carbonate Hydroxide Hydrate as a Supercapacitor Electrode | Applied Sciences (Switzerland)                                                                                          | 2023 | 10.3390/app13105844             |
| Frequency Response of a Six-Electrode MET Sensor at Extremely Low Temperatures                                                                           | Sensors                                                                                                                 | 2023 | 10.3390/s23094311               |
| Создание мощных технологических наносекундных частотно-импульсных твердотельных лазеров: проблемы и решения                                              | Радиотехника и электроника                                                                                              | 2023 |                                 |
| Assessing the Mass Transfer Coefficient in Jet Bioreactors with Classical Computer Vision Methods and Neural Networks Algorithms                         | Algorithms                                                                                                              | 2023 | 10.3390/a16030125               |
| Platelets provide robustness of spatial blood coagulation to the variation of initial conditions                                                         | Thrombosis Research                                                                                                     | 2023 | 10.1016/j.thromres.2023.09.003  |
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| Synthesis and Biological Evaluation of Benzo [4,5]- and Naphtho[2',1':4,5]imidazo[1,2-c]pyrimidinone Derivatives                                         | Biomolecules                                                                                                            | 2023 | 10.3390/biom13111669            |
| Acceleration of Electrospun PLA Degradation by Addition of Gelatin                                                                                       | International Journal of Molecular Sciences                                                                             | 2023 | 10.3390/ijms24043535            |
| The Ways of the Virus: Interactions of Platelets and Red Blood Cells with SARS-CoV-2, and Their Potential Pathophysiological Significance in COVID-19    | International Journal of Molecular Sciences                                                                             | 2023 | 10.3390/ijms242417291           |
| Incorporation of Pectin into Vaterite Microparticles Prevented Effects of Adsorbed Mucin on Neutrophil Activation                                        | International Journal of Molecular Sciences                                                                             | 2023 | 10.3390/ijms242115927           |
| Production and Characterization of Photoin, a Novel Proteinaceous Protease Inhibitor from the Entomopathogenic Bacteria Photobacterium laumondii         | Biochemistry (Moscow)                                                                                                   | 2023 | 10.1134/S0006297923090158       |
| Panchromatic photomultiplication-type organic photodetectors with planar/bulk heterojunction structure;<br>[平面/体异质结构全色倍增型有机光电探测器]                        | Science China Materials                                                                                                 | 2023 | 10.1007/s40843-022-2241-3       |
| Self-Noise of the Planar Type Electrochemical Motion Sensor with Carbon Electrodes                                                                       | Proceedings of the 2023 7th International Conference on Information, Control, and Communication Technologies, ICCT 2023 | 2023 | 10.1109/ICCT58878.2023.10347108 |
| Multifrequency Retention Model of HfO <sub>2</sub> -Based FRAM                                                                                           | IEEE Transactions on Electron Devices                                                                                   | 2023 | 10.1109/TED.2023.3324623        |
| Electron beam-induced current imaging of ferroelectric domains and local polarization reversal in Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub>     | Journal of Applied Physics                                                                                              | 2023 | 10.1063/5.0143588               |
| L-Cysteine and N-acetyl-L-cysteine-mediated synthesis of nanosilver-based sols and hydrogels with antibacterial and antibiofilm properties               | Journal of Materials Chemistry B                                                                                        | 2023 | 10.1039/d3tb00261f              |

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| Microplotter Printing of Hierarchically Organized NiCo2O4 Films for Ethanol Gas Sensing                                                                                                                     | Chemosensors                                                        | 2023 | 10.3390/chemosensors11020138       |
| Высокоэнергетическая часть ускорителя для компактного источника нейтронов DARIA: ускоряющая структура с трубками дрейфа                                                                                     | Поверхность. Рентгеновские, синхротронные и нейтронные исследования | 2023 |                                    |
| Humoral immune response to linear and conformational epitopes of SARS-CoV-2 in patients with COVID-19; [Гуморальный иммунный ответ на линейные и конформационные эпитопы SARS-CoV-2 у пациентов с COVID-19] | Immunologiya                                                        | 2023 | 10.33029/0206-4952-2023-44-1-38-52 |
| Nucleoid-Associated Proteins HU and IHF: Oligomerization in Solution and Hydrodynamic Properties                                                                                                            | Biochemistry (Moscow)                                               | 2023 | 10.1134/S0006297923050073          |
| МЕХАНИЗМЫ РЕГУЛЯЦИИ СВЕРТЫВАНИЯ КРОВИ: ИСТОРИЯ ИССЛЕДОВАНИЙ И ПЕРСПЕКТИВЫ                                                                                                                                   | Биофизика                                                           | 2023 |                                    |
| Integral assays of hemostasis in hospitalized patients with COVID-19 on admission and during heparin thromboprophylaxis                                                                                     | PLoS ONE                                                            | 2023 | 10.1371/journal.pone.0282939       |
| Biodistribution of Fluorescent Albumin Nanoparticles among Organs of Laboratory Animals after Intranasal and Peroral Administration                                                                         | Current Issues in Molecular Biology                                 | 2023 | 10.3390/cimb45100519               |
| Influence of the Surface Morphology of Soot Particles on Their Growth Kinetics: A Molecular Dynamics Study                                                                                                  | High Temperature                                                    | 2023 | 10.1134/S0018151X23010170          |
| Mechanisms Involved in Regulation of Blood Coagulation: History of Research and Perspectives                                                                                                                | Biophysics (Russian Federation)                                     | 2023 | 10.1134/S000635092301013X          |
| ПОЛУЧЕНИЕ И ХАРАКТЕРИСТИКА ФОТОРИНА, НОВОГО БЕЛКОВОГО ИНГИБИТОРА ПРОТЕАЗ ИЗ ЭНТОМОПАТОГЕННОЙ БАКТЕРИИ <i>Photorhabdus laumondii</i>                                                                         | Биохимия                                                            | 2023 |                                    |
| YTnC2, an improved genetically encoded green calcium indicator based on toadfish troponin C                                                                                                                 | FEBS Open Bio                                                       | 2023 | 10.1002/2211-5463.13702            |
| Effectively enhancing silicon-vacancy emission in a hybrid diamond-in-pit microstructure                                                                                                                    | Laser Physics Letters                                               | 2023 | 10.1088/1612-202X/acabcd           |
| Enhancing single-photon emission of silicon-vacancy centers in nanodiamonds by a gold film                                                                                                                  | ST PETER POLY U J-PH                                                | 2023 |                                    |
| Bifurcation Diagram of the Model of a Lagrange Top with a Vibrating Suspension Point                                                                                                                        | Mathematics                                                         | 2023 | 10.3390/math11030533               |
| Polaritonic linewidth asymmetry in the strong and ultrastrong coupling regime                                                                                                                               | Nanophotonics                                                       | 2023 | 10.1515/nanoph-2023-0492           |
| Waveguide Structures and Photon Splitters Fabricated via Direct (3 + 1)D Laser Printing                                                                                                                     | Bulletin of the Russian Academy of Sciences: Physics                | 2023 | 10.1134/S1062873823704051          |

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| Modeling the influence of repetitively pulsed heating on the formation of perturbations at the boundary of a transverse jet in a supersonic crossflow; [Моделирование влияния импульсно-периодического нагрева на формирование возмущений на границе поперечной струи в сверхзвуковом потоке]                           | Computer Research and Modeling                                                                                                       | 2023 | 10.20537/2076-7633-2023-15-4-845-860 |
| Групповой формат лекций "Конференц-класс" как методический эксперимент в курсе общей физики МФТИ                                                                                                                                                                                                                        | Физическое образование в ВУЗах                                                                                                       | 2023 |                                      |
| Liquid argon light collection and veto modeling in GERDA Phase II                                                                                                                                                                                                                                                       | European Physical Journal C                                                                                                          | 2023 | 10.1140/epjc/s10052-023-11354-9      |
| Inertial dynamics and equilibrium correlation functions of magnetization at short times                                                                                                                                                                                                                                 | Physical Review B                                                                                                                    | 2023 | 10.1103/PhysRevB.107.104416          |
| Real Acceleration of Communication Process in Distributed Algorithms with Compression                                                                                                                                                                                                                                   | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-47859-8_8          |
| Erratum to: High-Cadence Observations of Magnetic Field Dynamics and Photospheric Emission Sources in the Eruptive Near-the-Limb X4.9 Solar Flare on 25 February, 2014: Evidences for Two-Stage Magnetic Reconnection during the Impulsive Phase (Cosmic Research, (2023), 61, 4, (265-282), 10.1134/S0010952523090010) | Cosmic Research                                                                                                                      | 2023 | 10.1134/S0010952523330031            |
| Measurement of the collision rate coefficients between atmospheric ions and multiply charged aerosol particles in the CERN CLOUD chamber                                                                                                                                                                                | Atmospheric Chemistry and Physics                                                                                                    | 2023 | 10.5194/acp-23-6703-2023             |
| Low-frequency oscillations in the direct osmotic process in a membrane with nanosized pores                                                                                                                                                                                                                             | Physics-Uspexhi                                                                                                                      | 2023 | 10.3367/UFNe.2023.06.039365          |
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| Laser Scanning Confocal Microscopy for Analyzing Optical Characteristics and Morphology of an Aspherical Microlens Array                                                                                                                                                                                                | Physics of Wave Phenomena                                                                                                            | 2023 | 10.3103/S1541308X23040076            |
| Tuning the terahertz electrodynamics in Ba-Pb hexaferrite single crystals                                                                                                                                                                                                                                               | Materials Research Bulletin                                                                                                          | 2023 | 10.1016/j.materresbull.2023.112155   |
| Quasiepitaxial Aluminum Film Nanostructure Optimization for Superconducting Quantum Electronic Devices                                                                                                                                                                                                                  | Nanomaterials                                                                                                                        | 2023 | 10.3390/nano13132002                 |
| Генерация и детектирование спинового тока в гетероструктурах иридат/манганит                                                                                                                                                                                                                                            | Радиоэлектроника. Наносистемы. Информационные технологии                                                                             | 2023 |                                      |
| Рост и электротранспортные характеристики эпитаксиальных тонких пленок иридата стронция                                                                                                                                                                                                                                 | Известия Российской академии наук. Серия физическая                                                                                  | 2023 |                                      |

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| Spin Magnetoresistance of Thin-Film Structures Made of Manganite and Material with Strong Spin-Orbital Interaction                                           | Journal of Communications Technology and Electronics                        | 2023 | 10.1134/S1064226923100194            |
| Предельные параметры СИС-переходов в теории и технологические возможности их достижения                                                                      | Физика твердого тела                                                        | 2023 |                                      |
| Spin mixing conductance and spin magnetoresistance of the iridate/manganite interface                                                                        | Physical Review B                                                           | 2023 | 10.1103/PhysRevB.107.144419          |
| Синтез тонких пленок иридатов стронция путем катодного распыления: сравнение с традиционной технологией лазерной абляции                                     | Физика твердого тела                                                        | 2023 |                                      |
| Computer Modeling of Plasma-Enhanced Atomic Layer Deposition of HfO <sub>2</sub> and ZrO <sub>2</sub>                                                        | Russian Microelectronics                                                    | 2023 | 10.1134/S1063739723600462            |
| Спиновое магнетосопротивление тонкопленочных структур из манганита и материала с сильным спин-орбитальным взаимодействием                                    | Радиотехника и электроника                                                  | 2023 |                                      |
| Growth and Electron Transport Characteristics of Epitaxial Thin Strontium Iridate Films                                                                      | Bulletin of the Russian Academy of Sciences: Physics                        | 2023 | 10.3103/S106287382270126X            |
| Hydrothermal Synthesis of Nickel Oxide and Its Application in the Additive Manufacturing of Planar Nanostructures                                            | Molecules                                                                   | 2023 | 10.3390/molecules28062515            |
| Strontium Iridates as Barrier Materials for Josephson Heterostructures                                                                                       | Russian Microelectronics                                                    | 2023 | 10.1134/S1063739723600802            |
| SYNTHESIS OF GOLD NANORODS USING A MIXED REDUCING AGENT HYDROQUINONE–ASCORBIC ACID                                                                           | Proceedings of the National Academy of Sciences of Belarus, Chemical Series | 2023 | 10.29235/1561-8331-2023-59-4-271-284 |
| Comparative Study of Photothermal Conversion Efficiency in Aqueous Suspensions of Silicon and Titanium Nitride Nanoparticles for Biomedical Applications     | Physics of Atomic Nuclei                                                    | 2023 | 10.1134/S1063778823110078            |
| Carbon Nanodots Obtained by Microwave Synthesis: Physical Properties and Assessment of Cytotoxicity on a Model of Glioblastoma and Embryonal Kidney In Vitro | Physics of Atomic Nuclei                                                    | 2023 | 10.1134/S1063778823110261            |
| Laser-Induced Quenching Diagnostics of T-15MD Divertor Plasma                                                                                                | Plasma Physics Reports                                                      | 2023 | 10.1134/S1063780X23600421            |
| INVERSE PROBLEM FOR THE HEAT EQUATION WITH TWO UNKNOWN COEFFICIENTS; [ОБРАТНАЯ ЗАДАЧА ДЛЯ УРАВНЕНИЯ ТЕПЛОПРОВОДНОСТИ С ДВУМЯ НЕИЗВЕСТНЫМИ КОЭФФИЦИЕНТАМИ]    | Vladikavkaz Mathematical Journal                                            | 2023 | 10.46698/l6995-7714-5336-s           |
| Purcell effect in two-dimensional photonic crystal slabs with triangular lattice                                                                             | PHYS REV B                                                                  | 2023 |                                      |
| Ultrasensitive Nanophotonic Random Spectrometer with Microfluidic Channels as a Sensor for Biological Applications                                           | Nanomaterials                                                               | 2023 | 10.3390/nano13010081                 |

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| Adiabatic phase pumping in S/F/S hybrids with noncoplanar magnetization                                                                                                           | Physical Review B                                                                                              | 2023 | 10.1103/PhysRevB.108.224511                      |
| Twist-tunable moiré optical resonances                                                                                                                                            | Physical Review B                                                                                              | 2023 | 10.1103/PhysRevB.107.155402                      |
| Commensurate and spiral magnetic order in the doped two-dimensional Hubbard model: Dynamical mean-field theory analysis                                                           | Physical Review B                                                                                              | 2023 | 10.1103/PhysRevB.107.245104                      |
| Monowave Boundary Construction Method for the Non-convex Reachable Set of the Controlled Dynamical System                                                                         | Springer Proceedings in Mathematics and Statistics                                                             | 2023 | 10.1007/978-3-031-41229-5_9                      |
| Deterministic Coloring of a Family of Complexes                                                                                                                                   | Journal of Mathematical Sciences (United States)                                                               | 2023 | 10.1007/s10958-023-06691-9                       |
| Creating New Mathematics by Schoolchildren                                                                                                                                        | Doklady Mathematics                                                                                            | 2023 | 10.1134/S1064562423700631                        |
| MONITORING of DYNAMIC OBJECTS on A 2D OCCUPANCY MAP USING NEURAL NETWORKS and MULTIMODAL DATA                                                                                     | International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives | 2023 | 10.5194/isprs-archives-XLVIII-2-W3-2023-137-2023 |
| CMOS-compatible self-aligned 3D memristive elements for reservoir computing systems                                                                                               | Applied Physics Letters                                                                                        | 2023 | 10.1063/5.0138218                                |
| Obtaining of ZnO/Fe2O3 Thin Nanostructured Films by AACVD for Detection of ppb-Concentrations of NO2 as a Biomarker of Lung Infections                                            | Biosensors                                                                                                     | 2023 | 10.3390/bios13040445                             |
| Интегральные схемы для квантового машинного обучения на основе сверхпроводниковых искусственных атомов и управление ими                                                           | Известия вузов. Радиофизика                                                                                    | 2023 |                                                  |
| Magnetoelectric hysteresis of Bragg resonances in a multiferroic crystal based on YIG/HZO                                                                                         | Physical Review B                                                                                              | 2023 | 10.1103/PhysRevB.108.174407                      |
| АТОМНО-СЛОЕВОЕ ОСАЖДЕНИЕ ТОНКИХ ПЛЕНОК<br>La:Hf<sub>0.5</sub>Zr<sub>0.5</sub>O<sub>2</sub> С АНОМАЛЬНО<br>ВЫСОКОЙ ДИЭЛЕКТРИЧЕСКОЙ ПРОНИЦАЕМОСТЬЮ ДЛЯ УСТРОЙСТВ<br>ПАМЯТИ И ЛОГИКИ | Журнал прикладной химии                                                                                        | 2023 |                                                  |
| Emission of Tantalum Oxide Nanocluster Thin Films at High Temperatures                                                                                                            | Physics of Atomic Nuclei                                                                                       | 2023 | 10.1134/S1063778823090089                        |
| Chemical and electronic properties of interfaces between RuO2and Hf0.5Zr0.5O2studied by x-ray photoelectron spectroscopy                                                          | Applied Physics Letters                                                                                        | 2023 | 10.1063/5.0132056                                |
| Ultrafast Optomechanical Terahertz Modulators Based on Stretchable Carbon Nanotube Thin Films                                                                                     | Ultrafast Science                                                                                              | 2023 | 10.34133/ultrafastscience.0021                   |
| High-field terahertz time-domain spectroscopy of single-walled carbon nanotubes                                                                                                   | ST PETER POLY U J-PH                                                                                           | 2023 |                                                  |
| Сверхпроводниковые схемы согласования генератора и СИС-смесителя в субтерагерцевом диапазоне частот                                                                               | Нелинейный мир                                                                                                 | 2023 |                                                  |
| Reconfigurable VO2 metasurfaces with hybrid electro-optical control: manipulating THz radiation with 0.3 W/cm2 light                                                              | Applied Optics                                                                                                 | 2023 | 10.1364/AO.490081                                |

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| Система спин-флипа протонов на базе корректирующих диполей Нуклотрона/ОИЯИ на спиновом резонансе $\gamma G = 7$                                            | Письма в Журнал экспериментальной и теоретической физики                                                    | 2023 |                                 |
| Benzylidene Cyclopentanone Derivative Photoinitiator for Two-Photon Photopolymerization-Photochemistry and 3D Structures Fabrication for X-ray Application | Polymers                                                                                                    | 2023 | 10.3390/polym15010071           |
| Reconstruction of 3D Semantic Map and Its Quality Estimation                                                                                               | Lecture Notes in Networks and Systems                                                                       | 2023 | 10.1007/978-3-031-19620-1_31    |
| Benchmarking the Full-Order Model Optimization Based Imitation in the Humanoid Robot Reinforcement Learning Walk                                           | 2023 21st International Conference on Advanced Robotics, ICAR 2023                                          | 2023 | 10.1109/ICAR58858.2023.10406818 |
| РАЗРАБОТКА МЕТОДА ВОССТАНОВЛЕНИЯ ПОЛУЛЕПТОННЫХ РАСПАДОВ $B \rightarrow D^* \ell^+ \ell^-$ -МЕЗОНОВ НА ДАННЫХ CMS                                           | Краткие сообщения по физике ФИАН                                                                            | 2023 |                                 |
| Multilingual Case-Insensitive Named Entity Recognition                                                                                                     | Studies in Computational Intelligence                                                                       | 2023 | 10.1007/978-3-031-19032-2_46    |
| Нейросетевая детекция голосовой активности для распознавания речи в реальном времени                                                                       | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                 |
| Integrated information theory and its application for analysis of brain neuron activity                                                                    | Izvestiya Vysshikh Uchebnykh Zavedeniy. Prikladnaya Nelineynaya Dinamika                                    | 2023 | 10.18500/0869-6632-003033       |
| Детекция аномалий для комплексирования данных лидарной и спутниковой локализации транспортного средства                                                    | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                 |
| DAPS3D: Domain Adaptive Projective Segmentation of 3D LiDAR Point Clouds                                                                                   | IEEE Access                                                                                                 | 2023 | 10.1109/ACCESS.2023.3298706     |
| Benchmarking the Full-Order Model Optimization Based Imitation in the Humanoid Robot Reinforcement Learning Walk                                           | INT CONF ADV ROBOT                                                                                          | 2023 |                                 |
| Center3dAugNet: Effect of Rotation Representation on One-Stage Joint Car Detection and 6D-Pose Estimation                                                  | Studies in Computational Intelligence                                                                       | 2023 | 10.1007/978-3-031-19032-2_35    |
| Offline Deep Reinforcement Learning for Robotic Arm Control in the ManiSkill Environment                                                                   | Studies in Computational Intelligence                                                                       | 2023 | 10.1007/978-3-031-44865-2_8     |
| Rethinking Voxelization and Classification for 3D Object Detection                                                                                         | Communications in Computer and Information Science                                                          | 2023 | 10.1007/978-981-99-1645-0_39    |
| Multitask Learning for Extensive Object Description to Improve Scene Understanding on Monocular Video                                                      | Studies in Computational Intelligence                                                                       | 2023 | 10.1007/978-3-031-19032-2_43    |
| Социально-экономические проблемы и возможности развития льготного стоматологического ортопедического лечения                                               | Проблемы прогнозирования                                                                                    | 2023 |                                 |
| Energetic Electrons Precipitation into the Earth's Atmosphere During Magnetic Storm on 1–5 February 2015                                                   | Springer Proceedings in Earth and Environmental Sciences                                                    | 2023 | 10.1007/978-3-031-40728-4_22    |
| Scintillator Detectors of Charged Particles for a Cherenkov Neutrino Detector                                                                              | Instruments and Experimental Techniques                                                                     | 2023 | 10.1134/S0020441223030181       |

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| Измерение изменения молярной энтропии в химической реакции $Zn + CuSO_4 \rightarrow ZnSO_4 + Cu$                                                                                                 | Физическое образование в ВУЗах                 | 2023 |                                 |
| Atomic Layer Deposition of La:Hf0.5Zr0.5O2 Thin Films with Abnormally High Dielectric Permittivity for Memory and Logic Devices                                                                  | Russian Journal of Applied Chemistry           | 2023 | 10.1134/S1070427223050105       |
| Selective atomic layer etching of Al2O3, AlNx and HfO2 in conventional ICP etching tool                                                                                                          | Vacuum                                         | 2023 | 10.1016/j.vacuum.2022.111585    |
| On bilinear superintegrability for monomial matrix models in pure phase                                                                                                                          | European Physical Journal C                    | 2023 | 10.1140/epjc/s10052-023-12346-5 |
| Super-Schur polynomials for Affine Super Yangian $Y(\hat{gl}(1 1))$                                                                                                                              | Journal of High Energy Physics                 | 2023 | 10.1007/JHEP08(2023)049         |
| Estimation of Energy Spectrum of Precipitating Magnetospheric Electrons Based on Bremsstrahlung X-Ray Fluxes Recorded in the Atmosphere                                                          | Journal of Geophysical Research: Space Physics | 2023 | 10.1029/2023JA031370            |
| Phonon dynamics in MoSi2N4: insights from DFT calculations                                                                                                                                       | Physical Chemistry Chemical Physics            | 2023 | 10.1039/d3cp02921b              |
| Спектаторная материя в столкновениях релятивистских деформированных ядер                                                                                                                         | Физика элементарных частиц и атомного ядра     | 2023 |                                 |
| Receptivity of high-speed boundary layer on a flat plate at angles of attack: entropy and vorticity waves                                                                                        | Theoretical and Computational Fluid Dynamics   | 2023 | 10.1007/s00162-023-00656-z      |
| Spectator Matter in Collisions of Relativistic Deformed Nuclei                                                                                                                                   | Physics of Particles and Nuclei                | 2023 | 10.1134/S1063779623040214       |
| Optoelectronic and nanoelectronic devices                                                                                                                                                        | ST PETER POLY U J-PH                           | 2023 |                                 |
| Structure determination of hyperbranched polyester BOLTORN H40 by 1D- and 2D-NMR spectroscopy                                                                                                    | Polymer Bulletin                               | 2023 | 10.1007/s00289-022-04274-3      |
| СЦИНТИЛЛЯЦИОННЫЕ ДЕТЕКТОРЫ ЗАРЯЖЕННЫХ ЧАСТИЦ ДЛЯ ЧЕРЕНКОВСКОГО НЕЙТРИННОГО ДЕТЕКТОРА                                                                                                             | Приборы и техника эксперимента                 | 2023 |                                 |
| Commutative subalgebras from Serre relations                                                                                                                                                     | PHYS LETT B                                    | 2023 |                                 |
| $\langle i \rangle(q, \langle i \rangle t)$ -deformed (skew) Hurwitz t-functions                                                                                                                 | NUCL PHYS B                                    | 2023 |                                 |
| Position space equations for banana Feynman diagrams                                                                                                                                             | NUCL PHYS B                                    | 2023 |                                 |
| Hunt for 3-Schur polynomials                                                                                                                                                                     | PHYS LETT B                                    | 2023 |                                 |
| Polyploid/Multinucleated Giant and Slow-Cycling Cancer Cell Enrichment in Response to X-ray Irradiation of Human Glioblastoma Multiforme Cells Differing in Radioresistance and TP53/PTEN Status | International Journal of Molecular Sciences    | 2023 | 10.3390/ijms24021228            |
| Response of PRIMPOL-Knockout Human Lung Adenocarcinoma A549 Cells to Genotoxic Stress                                                                                                            | Biochemistry (Moscow)                          | 2023 | 10.1134/S0006297923110214       |
| Different iPSC-derived neural stem cells shows various spectrums of spontaneous differentiation during long term cultivation                                                                     | Frontiers in Molecular Neuroscience            | 2023 | 10.3389/fnmol.2023.1037902      |
| Nanostructured manganese oxide on fullerene soot for water oxidation under neutral conditions                                                                                                    | International Journal of Hydrogen Energy       | 2023 | 10.1016/j.ijhydene.2022.12.236  |

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| A comparative analysis of genes differentially expressed between rete testis cells and Sertoli cells of the mouse testis                                                               | Scientific Reports                                                               | 2023 | 10.1038/s41598-023-48149-7      |
| Generation of two human induced pluripotent stem cell lines (ABi001-A and ABi002-A) from cone dystrophy with supernormal rod response patients caused by KCNV2 mutation                | Stem Cell Research                                                               | 2023 | 10.1016/j.scr.2023.103099       |
| Interpolating matrix models for WLZZ series                                                                                                                                            | EUR PHYS J C                                                                     | 2023 |                                 |
| Loop equations and a proof of Zvonkine's qr-ELSV formula                                                                                                                               | Annales Scientifiques de l'Ecole Normale Supérieure                              | 2023 | 10.24033/asens.2553             |
| Машинное обучение в хорошо известных сюжетах                                                                                                                                           | Теоретическая и математическая физика                                            | 2023 |                                 |
| The “Null-A” superintegrability for monomial matrix models                                                                                                                             | Annals of Physics                                                                | 2023 | 10.1016/j.aop.2022.169207       |
| Machine learning of the well-known things                                                                                                                                              | Theoretical and Mathematical Physics(Russian Federation)                         | 2023 | 10.1134/S0040577923030091       |
| Commutative families in $W^\infty$ , integrable many-body systems and hypergeometric $\tau$ -functions                                                                                 | Journal of High Energy Physics                                                   | 2023 | 10.1007/JHEP09(2023)065         |
| Об альтернативной стратификации узлов                                                                                                                                                  | Теоретическая и математическая физика                                            | 2023 |                                 |
| Tug-the-hook symmetry for quantum 6j-symbols                                                                                                                                           | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023 | 10.1016/j.physletb.2023.138138  |
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| On an alternative stratification of knots                                                                                                                                              | Theoretical and Mathematical Physics(Russian Federation)                         | 2023 | 10.1134/S0040577923070024       |
| Genus expansion of matrix models and $\hbar$ expansion of BKP hierarchy                                                                                                                | European Physical Journal C                                                      | 2023 | 10.1140/epjc/s10052-023-11617-5 |
| NO at low concentration can enhance the formation of highly oxygenated biogenic molecules in the atmosphere                                                                            | Nature Communications                                                            | 2023 | 10.1038/s41467-023-39066-4      |
| Развитие метода восстановления энергетических спектров выпадающих электронов по данным измерений в атмосфере                                                                           | Геомагнетизм и аэронавигация                                                     | 2023 |                                 |
| Tryptamine Derivatives of Sesquiterpene Lactones as Effective $\beta$ -Secretase 1 Inhibitors                                                                                          | Russian Journal of General Chemistry                                             | 2023 | 10.1134/S1070363223150185       |
| Preliminary Study of the Opportunity to Predict Changes in Rock Samples Inner Structure Caused by Triaxial Loading Based on Stress–Strain Relationship                                 | Springer Proceedings in Earth and Environmental Sciences                         | 2023 | 10.1007/978-3-031-25962-3_1     |
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| About a passage in Aeneas Tacticus (4ю 1–3); [ОБ ОДНОМ МЕСТЕ У ЭНЕЯ ТАКТИКА (4.1–3)]                                                                                                   | Indo-European Linguistics and Classical Philology Yearbook                       | 2023 | 10.30842/ielcp230690152753      |
| Bearing arms in sacred spaces in the Late Republic according to Cicero's speeches; [НОШЕНИЕ ОРУЖИЯ В САКРАЛЬНЫХ ПРОСТРАНСТВАХ В ЭПОХУ ПОЗДНЕЙ РЕСПУБЛИКИ по материалам речей Цицерона] | Indo-European Linguistics and Classical Philology Yearbook                       | 2023 | 10.30842/ielcp230690152769      |

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| Privileged Learning Using Regularization in the Problem of Evaluating the Human Posture                                                                                                                           | Journal of Computer and Systems Sciences International       | 2023 | 10.1134/S1064230723030061    |
| OPTIMAL SPANNING TREE RECONSTRUCTION IN SYMBOLIC REGRESSION;<br>[ВОССТАНОВЛЕНИЕ МАТРИЦЫ СУПЕРПОЗИЦИИ В ЗАДАЧЕ СИМВОЛЬНОЙ РЕГРЕССИИ]                                                                               | Informatika i ee Primeneniya                                 | 2023 | 10.14357/19922264230105      |
| Тополого-аналитический метод доказательства теорем об усреднении на бесконечном интервале времени в вырожденном случае                                                                                            | Труды Математического института имени В.А. Стеклова          | 2023 |                              |
| Decentralized Differential Aerodynamic Control of Microsatellites Formation with Sunlight Reflectors                                                                                                              | Aerospace                                                    | 2023 | 10.3390/aerospace10100840    |
| A FEMTOSAT SWARM MISSION IN LEO: DIFFERENTIAL DRAG CONTROL UNDER POWER AND COMMUNICATION CONSTRAINTS                                                                                                              | Proceedings of the International Astronautical Congress, IAC | 2023 |                              |
| Эволюция вращательного движения планеты Земля под влиянием внутренних диссипативных сил                                                                                                                           | Космические исследования                                     | 2023 |                              |
| A Note on Forced Oscillations in Systems on a Plane                                                                                                                                                               | Russian Journal of Nonlinear Dynamics                        | 2023 | 10.20537/ND230906            |
| A Topological–Analytical Method for Proving Averaging Theorems on an Infinite Time Interval in a Degenerate Case                                                                                                  | Proceedings of the Steklov Institute of Mathematics          | 2023 | 10.1134/S0081543823040168    |
| Evolution of Rotational Motion of the Planet Earth under the Influence of Internal Dissipative Forces                                                                                                             | Cosmic Research                                              | 2023 | 10.1134/S001095252370051X    |
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| Изучение изменения внутреннего строения при квазипластическом деформировании горных пород в лабораторных условиях                                                                                                 | Сейсмические приборы                                         | 2023 |                              |
| Zero-Bias Photodetection in 2D Materials via Geometric Design of Contacts                                                                                                                                         | Nano Letters                                                 | 2023 | 10.1021/acs.nanolett.3c01259 |
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| Experimental investigation on fracture characteristics by liquid nitrogen compound fracturing in coal                                                                                                             | Fuel                                                         | 2023 | 10.1016/j.fuel.2023.127434   |
| Cyclic Liquid Nitrogen Fracturing Performance on Coal with Various Coal Ranks: Laboratory Investigation and Mechanism Analysis                                                                                    | SPE Journal                                                  | 2023 | 10.2118/214660-PA            |

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| On the Possibility of Detecting Pore Pressure Changes in Marine Sediments Using Bottom Seismometer Data                                                                                                                                                                        | Journal of Marine Science and Engineering                                                                         | 2023 | 10.3390/jmse11091803                 |
| Estimation of breakdown pressure in laboratory experiments on hydraulic fracturing                                                                                                                                                                                             | Materials Physics and Mechanics                                                                                   | 2023 | 10.18149/MPM.5152023_6               |
| Estimating cognitive text complexity with aggregation of quantile-based models; [Оценивание когнитивной сложности текста с помощью агрегирования моделей, основанных на квантилях]                                                                                             | Komp'juternaja Lingvistika i Intellektual'nye Tehnologii                                                          | 2023 | 10.28995/2075-7182-2023-22-525-538   |
| Positive feedback loops lead to concept drift in machine learning systems                                                                                                                                                                                                      | Applied Intelligence                                                                                              | 2023 | 10.1007/s10489-023-04615-3           |
| Conformational Aspects in the Formation of Structures of the Backbone of Polypeptide Chains in Proteins: the Relationship between Conformational Stability/Lability and $\beta$ -Turns                                                                                         | Biophysics (Russian Federation)                                                                                   | 2023 | 10.1134/S0006350923010177            |
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| Nature of Dielectric Relaxation in SrTiO <sub>3</sub> :Mn Single Crystals                                                                                                                                                                                                      | JETP Letters                                                                                                      | 2023 | 10.1134/S0021364023603111            |
| Surface roughness simulations for 6G additive antennas                                                                                                                                                                                                                         | Proceedings of the International Conference Days on Diffraction, DD 2023                                          | 2023 | 10.1109/DD58728.2023.10325793        |
| Development of and research on an algorithm for distinguishing features in Twitter publications for a classification problem with known markup; [Разработка и исследование алгоритма выделения признаков в публикациях Twitter для задачи классификации с известной разметкой] | Computer Research and Modeling                                                                                    | 2023 | 10.20537/2076-7633-2023-15-1-171-183 |
| Demo: Model of Distributed Sorting System with Robotic Agents                                                                                                                                                                                                                  | Proceedings - International Conference on Distributed Computing Systems                                           | 2023 | 10.1109/ICDCS57875.2023.00110        |
| AI APPLICATIONS IN BLOCKCHAIN TECHNOLOGY                                                                                                                                                                                                                                       | Вестник Национального политехнического университета Армении. Информационные технологии, электроника, радиотехника | 2023 |                                      |
| Laboratory Study of Microsatellite Control Algorithms Performance for Active Space Debris Removal Using UAV Mock-Ups on a Planar Air-Bearing Test Bed                                                                                                                          | Drones                                                                                                            | 2023 | 10.3390/drones7010007                |
| Asymptotically stable non-falling solutions of the Kapitza-Whitney pendulum                                                                                                                                                                                                    | Meccanica                                                                                                         | 2023 | 10.1007/s11012-023-01665-2           |
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| Quantum electrodynamical density functional theory for generalized Dicke model                          | PHYS REV B                                                                                                                           | 2023 |                                      |
| Effective exponents near bicritical points                                                              | EUR PHYS J-SPEC TOP                                                                                                                  | 2023 |                                      |
| Nonperturbative effects of deep strong light-matter interaction in a mesoscopic cavity-QED system       | PHYS REV A                                                                                                                           | 2023 |                                      |
| Polariton vortex Chern insulator [Invited] (vol 13, pg 2250, 2023)                                      | OPT MATER EXPRESS                                                                                                                    | 2023 |                                      |
| Anomalous quantum oscillations in AA and AB bilayer graphene                                            | Physica B: Condensed Matter                                                                                                          | 2023 | 10.1016/j.physb.2023.414720          |
| Non-Hermitian Weyl fermions of types III and IV: Hamiltonian, topological protection, and Landau levels | Physical Review B                                                                                                                    | 2023 | 10.1103/PhysRevB.107.085135          |
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| Oscillating vorticity in single ring exciton polariton condensates                                      | Nanosystems: Physics, Chemistry, Mathematics                                                                                         | 2023 | 10.17586/2220-8054-2023-14-3-328-333 |
| HPointLoc: Point-Based Indoor Place Recognition Using Synthetic RGB-D Images                            | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-30111-7_40         |
| Steady state oscillations of circular currents in concentric polariton condensates                      | Scientific Reports                                                                                                                   | 2023 | 10.1038/s41598-023-31520-z           |
| Simultaneous creation of multiple vortex-antivortex pairs in momentum space in photonic lattices        | Advanced Photonics                                                                                                                   | 2023 | 10.1117/1.AP.5.6.066007              |
| Formation of linear carbon chains in a combined field of an arc discharge and laser radiation           | Optical and Quantum Electronics                                                                                                      | 2023 | 10.1007/s11082-023-05007-0           |
| Transporting Particles with Vortex Rings                                                                | Fluids                                                                                                                               | 2023 | 10.3390/fluids8120315                |
| Tilt and Anisotropy of the Dirac Spectrum Caused by the Overlapping of Bloch Functions                  | JETP Letters                                                                                                                         | 2023 | 10.1134/S002136402360115X            |
| Quantum Oscillations of Interlayer Conductivity in a Multilayer Topological Insulator                   | Journal of Experimental and Theoretical Physics                                                                                      | 2023 | 10.1134/S106377612303010X            |
| Symmetry breaking and superfluid currents in a split-ring spinor polariton condensate                   | Physical Review B                                                                                                                    | 2023 | 10.1103/PhysRevB.107.245302          |
| Наклон и анизотропия дираковского спектра, вызванные перекрытием блоховских функций                     | Письма в Журнал экспериментальной и теоретической физики                                                                             | 2023 |                                      |
| Spatial quantization of exciton-polariton condensates in optically induced traps                        | Physical Review B                                                                                                                    | 2023 | 10.1103/PhysRevB.107.045302          |
| Stability of $\phi_4$ -vector model: Four-loop $\epsilon$ expansion study                               | Physical Review E                                                                                                                    | 2023 | 10.1103/PhysRevE.107.024133          |
| ETPTA Inverse Photonic Crystals for the Detection of Alcohols                                           | Condensed Matter                                                                                                                     | 2023 | 10.3390/condmat8030068               |
| High-energy photoemission final states beyond the free-electron approximation                           | Nature Communications                                                                                                                | 2023 | 10.1038/s41467-023-40432-5           |
| <sup>1</sup> H NMR and EPR Spectroscopies Investigation of Alginate Cross-Linking by Divalent Ions      | Materials                                                                                                                            | 2023 | 10.3390/ma16072832                   |

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| Polariton vortex Chern insulator [Invited]                                                                                                                                                                   | Gaceta Mexicana de Oncologia                                                | 2023 | 10.1364/OME.494448             |
| Effects of mineralogical composition on uniaxial compressive strengths of sedimentary rocks                                                                                                                  | Petroleum Science                                                           | 2023 | 10.1016/j.petsci.2023.03.028   |
| Reduction in Crosstalk between Integrated Anisotropic Optical Waveguides                                                                                                                                     | Photonics                                                                   | 2023 | 10.3390/photonics10010059      |
| Automated component analysis in DOSY NMR using information criteria                                                                                                                                          | Journal of Magnetic Resonance                                               | 2023 | 10.1016/j.jmr.2023.107541      |
| Double J/? production in pion-nucleon scattering at COMPASS                                                                                                                                                  | PHYS LETT B                                                                 | 2023 |                                |
| Dry Assembly of van der Waals Heterostructures Using Exfoliated and CVD-Grown 2D Materials                                                                                                                   | Bulletin of the Russian Academy of Sciences: Physics                        | 2023 | 10.1134/S1062873823706025      |
| Maximum Chirality Achieved with Resonant Dielectric Metastructures                                                                                                                                           | International Conference on Metamaterials, Photonic Crystals and Plasmonics | 2023 |                                |
| An intercomparison study of four different techniques for measuring the chemical composition of nanoparticles                                                                                                | Atmospheric Chemistry and Physics                                           | 2023 | 10.5194/acp-23-6613-2023       |
| Dynamics of the (2+1)-dimensional coupled cubic–quintic complex Ginzburg–Landau model for convecting binary fluid: Analytical investigations and multiple-soliton solutions                                  | Mathematical Methods in the Applied Sciences                                | 2023 | 10.1002/mma.9454               |
| СИСТЕМА АКТИВНОГО НАВЕДЕНИЯ ДЛЯ ПЕРЕДАЧИ УЛЬТРАСТАБИЛЬНЫХ СИГНАЛОВ ОПТИЧЕСКОЙ ЧАСТОТЫ ПО ВОЗДУШНОМУ КАНАЛУ                                                                                                   | Журнал экспериментальной и теоретической физики                             | 2023 |                                |
| Satellite-Based Evaluation of Submarine Permafrost Erosion at Shallow Offshore Areas in the Laptev Sea                                                                                                       | Remote Sensing                                                              | 2023 | 10.3390/rs15205065             |
| Cell-Population Dynamics in Diffuse Gliomas during Gliomagenesis and Its Impact on Patient Survival                                                                                                          | Cancers                                                                     | 2023 | 10.3390/cancers15010145        |
| ВЛИЯНИЕ ПАРАКРИННЫХ ФАКТОРОВ КОНДИЦИОНИРОВАННОЙ КУЛЬТУРАЛЬНОЙ СРЕДЫ СТВОЛОВЫХ КЛЕТОК НА ПРОДУКЦИЮ АКТИВНЫХ ФОРМ КИСЛОРОДА В НЕЙТРОФИЛАХ КРОВИ НА ФОНЕ АЦЕТАМИНОФЕН-ИНДУЦИРОВАННОЙ ПЕЧЕНОЧНОЙ НЕДОСТАТОЧНОСТИ | Биофизика                                                                   | 2023 |                                |
| Shapley Value as a Quality Control for Mass Spectra of Human Glioblastoma Tissues                                                                                                                            | Data                                                                        | 2023 | 10.3390/data8010021            |
| Дозозависимый эффект снижения слуха на фоне приема цисплатина                                                                                                                                                | Российская оториноларингология                                              | 2023 |                                |
| Perspectives of proteomic analysis in ophthalmology; [Перспективы применения протеомного анализа в офтальмологии]                                                                                            | Russian Journal of Clinical Ophthalmology                                   | 2023 | 10.32364/2311-7729-2023-23-4-7 |

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| Incorporation of a Disposable ESI Emitter into Inline Cartridge Extraction Mass Spectrometry Improves Throughput and Spectra Stability              | Journal of the American Society for Mass Spectrometry       | 2023 | 10.1021/jasms.2c00207             |
| Lipidomic markers of obesity and their dynamics after bariatric surgery; [Липидомные маркеры ожирения и их динамика после бариатрических операций]  | Bulletin of Siberian Medicine                               | 2023 | 10.20538/1682-0363-2023-4-174-187 |
| Mineral composition modelling of natural surface water                                                                                              | International Journal of Environmental Analytical Chemistry | 2023 | 10.1080/03067319.2021.1943372     |
| Autoregulation and Autoinhibition of the Main NO Synthase Isoforms (Brief Review)                                                                   | Sovremennye Tehnologii v Medicine                           | 2023 | 10.17691/stm2023.15.3.06          |
| Molecular Mechanism of Zinc-Dependent Oligomerization of Alzheimer's Amyloid- $\beta$ with Taiwan (D7H) Mutation                                    | International Journal of Molecular Sciences                 | 2023 | 10.3390/ijms241411241             |
| Paracrine Effects of Stem Cell Conditioned Medium on Reactive Oxygen Species Production in Blood Neutrophils in Acetaminophen-Induced Liver Failure | Biophysics (Russian Federation)                             | 2023 | 10.1134/S0006350923010153         |
| Aggregation of Multimodal ICE-MS Data into Joint Classifier Increases Quality of Brain Cancer Tissue Classification                                 | Data                                                        | 2023 | 10.3390/data8010008               |
| Structure and variability of the Pechora plume in the southeastern part of the Barents Sea                                                          | Frontiers in Marine Science                                 | 2023 | 10.3389/fmars.2023.1052044        |
| Influence of the Coriolis Force on Spreading of River Plumes                                                                                        | Remote Sensing                                              | 2023 | 10.3390/rs15133397                |
| Austral summer circulation in the Bransfield Strait based on SADCPC measurements and satellite altimetry                                            | Frontiers in Marine Science                                 | 2023 | 10.3389/fmars.2023.1111541        |
| Large choked lagoon as a barrier for river–sea flux of dissolved pollutants: Case study of the Azov Sea and the Black Sea                           | Marine Pollution Bulletin                                   | 2023 | 10.1016/j.marpolbul.2022.114496   |
| Zebrafish pigment cells develop directly from persistent highly multipotent progenitors                                                             | Nature Communications                                       | 2023 | 10.1038/s41467-023-36876-4        |
| Approaches for sRNA Analysis of Human RNA-Seq Data: Comparison, Benchmarking                                                                        | International Journal of Molecular Sciences                 | 2023 | 10.3390/ijms24044195              |
| Detecting an intermittent change of unknown duration                                                                                                | Sequential Analysis                                         | 2023 | 10.1080/07474946.2023.2211126     |
| Влияние защитного покрытия реконфигурируемой интеллектуальной поверхности на ее характеристики                                                      | Информационные процессы                                     | 2023 |                                   |

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| Ancient DNA of the Bearers of the Fatyanovo and Abashevo Cultures (Concerning Migrations of the Bronze Age people in the Forest Belt on the Russian Plain); [Străvechiul ADN al purtătorilor culturilor Fatianovo și Abashevo (cu privire la migrațiile de populație din epoca bronzului în regiunea de pădure din Câmpia Rusă)]; [Древняя ДНК носителей фатьяновской и абашевской культур (к вопросу о миграциях населения эпохи бронзы в лесной полосе на Русской равнине)] | Stratum Plus                                                                | 2023 | 10.55086/sp232207228            |
| Предварительное рентгеновское исследование кристаллов, полученных при сокристаллизации гипоксантин-гуанинфосфорибозилтрансферазы из <i>Escherichia coli</i> и производных пиразин-2-карбоксамида                                                                                                                                                                                                                                                                              | Кристаллография                                                             | 2023 |                                 |
| Preliminary X-ray Study of Crystals Obtained by Co-Crystallization of Hypoxanthine–Guanine Phosphoribosyltransferase from <i>Escherichia coli</i> and Pyrazine-2-Carboxamide Derivatives                                                                                                                                                                                                                                                                                      | Crystallography Reports                                                     | 2023 | 10.1134/S1063774523600965       |
| Получение, кристаллизация и предварительное рентгеновское исследование рекомбинантного аллергена Der p 3 из клеща домашней пыли <i>Dermatophagoides pteronyssinus</i>                                                                                                                                                                                                                                                                                                         | Кристаллография                                                             | 2023 |                                 |
| The Role of Tyr-His-Trp Triad and Water Molecule Near the N1-Atom of 2-Hydroperoxycoelenterazine in Bioluminescence of Hydromedusan Photoproteins: Structural and Mutagenesis Study                                                                                                                                                                                                                                                                                           | International Journal of Molecular Sciences                                 | 2023 | 10.3390/ijms24076869            |
| Preparation, Crystallization, and Preliminary X-ray Diffraction Analysis of Recombinant House Dust Mite Allergen Der p 3 from <i>Dermatophagoides pteronyssinus</i>                                                                                                                                                                                                                                                                                                           | Crystallography Reports                                                     | 2023 | 10.1134/S106377452206027X       |
| X-ray structure of recombinant house dust mite allergen Der p 3                                                                                                                                                                                                                                                                                                                                                                                                               | MENDELEEV COMMUN                                                            | 2023 |                                 |
| Mesoscale Eddy Chain Structures in the Black Sea and Their Interaction with River Plumes: Numerical Modeling and Satellite Observations                                                                                                                                                                                                                                                                                                                                       | Remote Sensing                                                              | 2023 | 10.3390/rs15061606              |
| Riverine Litter Flux to the Northeastern Part of the Black Sea                                                                                                                                                                                                                                                                                                                                                                                                                | Journal of Marine Science and Engineering                                   | 2023 | 10.3390/jmse11010105            |
| In situ bottom sediment temperatures in the Siberian arctic seas: Current state of subsea permafrost in the kara sea vs laptev and east Siberian seas                                                                                                                                                                                                                                                                                                                         | Marine and Petroleum Geology                                                | 2023 | 10.1016/j.marpetgeo.2023.106467 |
| Small-Angle Scattering Investigation of a Ferrofluid with Anisometric Copper Ferrite Nanoparticles                                                                                                                                                                                                                                                                                                                                                                            | Journal of Surface Investigation                                            | 2023 | 10.1134/S1027451023030230       |
| DINONAT: Exploring Self-Supervised training with Neighbourhood Attention Transformers                                                                                                                                                                                                                                                                                                                                                                                         | Труды Международной конференции по компьютерной графике и зрению "Графикон" | 2023 |                                 |

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| Corrigendum to "Optogenetic cytosol acidification of mammalian cells using an inward proton-pumping rhodopsin" [Int. J. Biol. Macromol. Volume 242, Part 3, 1 July 2023, 124949] (International Journal of Biological Macromolecules (2023) 242(P3), (S0141813023018433), (10.1016/j.ijbiomac.2023.124949)) | International Journal of Biological Macromolecules                                                             | 2023 | 10.1016/j.ijbiomac.2023.125825                   |
| Retinal-Based Anion Pump from the Cyanobacterium <i>Tolypothrix campylonemoides</i>                                                                                                                                                                                                                         | Biochemistry (Moscow)                                                                                          | 2023 | 10.1134/S0006297923100127                        |
| Directed proton transfer from Fo to F1 extends the multifaceted proton functions in ATP synthase                                                                                                                                                                                                            | Biophysical Reviews                                                                                            | 2023 | 10.1007/s12551-023-01132-y                       |
| Fine spectral tuning of a flavin-binding fluorescent protein for multicolor imaging                                                                                                                                                                                                                         | Journal of Biological Chemistry                                                                                | 2023 | 10.1016/j.jbc.2023.102977                        |
| Crystal Structure of Inhibitor-Bound Bacterial Oligopeptidase B in the Closed State: Similarity and Difference between Protozoan and Bacterial Enzymes                                                                                                                                                      | International Journal of Molecular Sciences                                                                    | 2023 | 10.3390/ijms24032286                             |
| Mechanisms of inward transmembrane proton translocation                                                                                                                                                                                                                                                     | Nature Structural and Molecular Biology                                                                        | 2023 | 10.1038/s41594-023-01020-9                       |
| РЕТИНАЛЬ-СОДЕРЖАЩАЯ АНИОННАЯ ПОМПА ИЗ ЦИАНОБАКТЕРИИ <i>Tolypothrix campylonemoides</i>                                                                                                                                                                                                                      | Биохимия                                                                                                       | 2023 |                                                  |
| Optogenetic cytosol acidification of mammalian cells using an inward proton-pumping rhodopsin                                                                                                                                                                                                               | International Journal of Biological Macromolecules                                                             | 2023 | 10.1016/j.ijbiomac.2023.124949                   |
| Atomic force microscopy of interactions of amyloid precursor protein with lipid rafts                                                                                                                                                                                                                       | EUR BIOPHYS J BIOPHY                                                                                           | 2023 |                                                  |
| Relationship between SBS Threshold and SBS Gain                                                                                                                                                                                                                                                             | Bulletin of the Lebedev Physics Institute                                                                      | 2023 | 10.3103/S1068335623210133                        |
| APPROACHES to ORIENTATION of HIGH RESOLUTION TOMOGRAPHIC 3D RECONSTRUCTION of TEETH in METRIC STUDIES                                                                                                                                                                                                       | International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives | 2023 | 10.5194/isprs-archives-XLVIII-2-W3-2023-59-2023  |
| FLOW EVOLUTION MONITORING for AIRCRAFT ICING STUDY                                                                                                                                                                                                                                                          | International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives | 2023 | 10.5194/isprs-archives-XLVIII-2-W3-2023-129-2023 |
| Measuring Dental Enamel Thickness: Morphological and Functional Relevance of Topographic Mapping                                                                                                                                                                                                            | Journal of Imaging                                                                                             | 2023 | 10.3390/jimaging9070127                          |
| MULTIMODAL PERSON RE-IDENTIFICATION in AERIAL IMAGERY BASED on CONDITIONAL ADVERSARIAL NETWORKS                                                                                                                                                                                                             | International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives | 2023 | 10.5194/isprs-archives-XLVIII-2-W3-2023-121-2023 |
| Surface microplastics in the Kara Sea: from the Kara Gate to the 83°N                                                                                                                                                                                                                                       | Frontiers in Marine Science                                                                                    | 2023 | 10.3389/fmars.2023.1268879                       |
| DOUBLE NERF: REPRESENTING DYNAMIC SCENES AS NEURAL RADIANCE FIELDS                                                                                                                                                                                                                                          | International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives | 2023 | 10.5194/isprs-archives-XLVIII-2-W3-2023-115-2023 |
| Enhanced THz radiation through a thick plasmonic electrode grating photoconductive antenna with tight photocarrier confinement                                                                                                                                                                              | Optics Letters                                                                                                 | 2023 | 10.1364/OL.486431                                |
| Активная копланарная линия передач на основе двухбарьерных GaAs/AlAs резонансно-туннельных диодов                                                                                                                                                                                                           | Письма в Журнал технической физики                                                                             | 2023 |                                                  |

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| Взаимосвязь порога ВРМБ и ВРМБ-усиления                                                                                                                                                           | Квантовая электроника                                          | 2023 |                                      |
| Influence of Increased Radiation Background on Antioxidative Responses of <i>Helianthus tuberosus</i> L.                                                                                          | Antioxidants                                                   | 2023 | 10.3390/antiox12040956               |
| Уменьшение боковых лепестков, направленных на подстилающую поверхность, для фазированных антенных решеток с управлением только фазой                                                              | Радиотехника и электроника                                     | 2023 |                                      |
| Численное решение задачи распада разрыва в случае частичного раскрытия перегородки между областями                                                                                                | Ученые записки физического факультета Московского университета | 2023 |                                      |
| Дублирование пакетов для повышения пропускной способности многоканальных устройств в сетях Wi-Fi 7                                                                                                | Информационные процессы                                        | 2023 |                                      |
| О классификации трафика по метаданным протокола HTTP/3                                                                                                                                            | Информационные процессы                                        | 2023 |                                      |
| Неразличимость трафика по открытым параметрам TLS при использовании Encrypted ClientHello                                                                                                         | Информационные процессы                                        | 2023 |                                      |
| Experiments on Coherent Summation of Chaotic Radio Pulses in a Wireless Channel                                                                                                                   | Journal of Communications Technology and Electronics           | 2023 | 10.1134/S1064226923120100            |
| Статический анализ на основе обобщённого абстрактного синтаксического дерева                                                                                                                      | Труды Института системного программирования РАН                | 2023 |                                      |
| Исследование адаптивного алгоритма управления ожиданием при доступе к среде в сетях IEEE 802.11be                                                                                                 | Информационные процессы                                        | 2023 |                                      |
| Synoptic and Seasonal Variability of Small River Plumes in the Northeastern Part of the Black Sea                                                                                                 | Water (Switzerland)                                            | 2023 | 10.3390/w15040721                    |
| СИСТЕМЫ МЕНЕДЖМЕНТА В ОХРАНЕ ЗДОРОВЬЯ                                                                                                                                                             | Innova                                                         | 2023 |                                      |
| Экспериментальные модели синаптопатий на основе рыб зебраданио                                                                                                                                    | Российский физиологический журнал им. И.М. Сеченова            | 2023 |                                      |
| Nonsmooth Distributed Min-Max Optimization Using the Smoothing Technique; [Решение негладких распределенных минимаксных задач с применением техники сглаживания]                                  | Computer Research and Modeling                                 | 2023 | 10.20537/2076-7633-2023-15-2-469-480 |
| Automatic Spelling Correction for Russian: Multiple Error Approach                                                                                                                                | Proceedings - Ivannikov ISPRAS Open Conference                 | 2023 | 10.1109/ISPRAS60948.2023.10508161    |
| Numerical solving of an inverse problem of a hyperbolic heat equation with small parameter; [Численное решение обратной задачи для уравнения гиперболической теплопроводности с малым параметром] | Computer Research and Modeling                                 | 2023 | 10.20537/2076-7633-2023-15-2-245-258 |
| АДАПТИВНЫЕ МЕТОДЫ ДЛЯ ВАРИАЦИОННЫХ НЕРАВЕНСТВ С ОТНОСИТЕЛЬНО ГЛАДКИМИ И ОТНОСИТЕЛЬНО СИЛЬНО МОНОТОННЫМИ ОПЕРАТОРАМИ                                                                               | Программирование                                               | 2023 |                                      |
| Branching random walk in a random time-independent environment                                                                                                                                    | Mathematical Population Studies                                | 2023 | 10.1080/08898480.2022.2140561        |

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| О проверке выполнимости алгебраических формул над полем из двух элементов                                                                                                                                                  | Проблемы передачи информации                                                                              | 2023 |                                       |
| The Behavior of Agents During Lockdown                                                                                                                                                                                     | Proceedings of 2023 16th International Conference Management of Large-Scale System Development, MLSD 2023 | 2023 | 10.1109/MLSD58227.2023.10304003       |
| Wick–Fourier–Hermite Series in the Theory of Linear and Nonlinear Transformations of Gaussian Distributions                                                                                                                | Markov Processes and Related Fields                                                                       | 2023 | 10.61102/1024-2953-mprf.2023.29.4.001 |
| Cross-Lingual Plagiarism Detection: Two Are Better Than One                                                                                                                                                                | Programming and Computer Software                                                                         | 2023 | 10.1134/S0361768823040138             |
| Model Distillation on Multi-domained Datasets                                                                                                                                                                              | Proceedings - Ivannikov ISPRAS Open Conference                                                            | 2023 | 10.1109/ISPRAS60948.2023.10508164     |
| Adaptive Variant of the Frank–Wolfe Algorithm for Convex Optimization Problems                                                                                                                                             | Programming and Computer Software                                                                         | 2023 | 10.1134/S0361768823060038             |
| Адаптивный вариант алгоритма Франк–Вульфа для задач выпуклой оптимизации                                                                                                                                                   | Программирование                                                                                          | 2023 |                                       |
| ДЕЦЕНТРАЛИЗОВАННЫЙ МЕТОД УСЛОВНОГО ГРАДИЕНТА НА ПЕРЕМЕННЫХ ВО ВРЕМЕНИ ГРАФАХ                                                                                                                                               | Программирование                                                                                          | 2023 |                                       |
| On the modification of the method of component descent for solving some inverse problems of mathematical physics; [О модификации метода покомпонентного спуска для решения некоторых обратных задач математической физики] | Computer Research and Modeling                                                                            | 2023 | 10.20537/2076-7633-2023-15-2-301-316  |
| Adaptive Methods for Variational Inequalities with Relatively Smooth and Relatively Strongly Monotone Operators                                                                                                            | Programming and Computer Software                                                                         | 2023 | 10.1134/S0361768823060026             |
| Comparative Study of Nanoparticle Blood Circulation after Forced Clearance of Own Erythrocytes (Mononuclear Phagocyte System-Cytoblockade) or Administration of Cytotoxic Doxorubicin- or Clodronate-Loaded Liposomes      | International Journal of Molecular Sciences                                                               | 2023 | 10.3390/ijms241310623                 |
| Применение глубокого обучения для обнаружения компьютерных атак в сетевом трафике                                                                                                                                          | Труды Института системного программирования РАН                                                           | 2023 |                                       |
| Вызовы в реализации систем глубокого анализа сетевого трафика методом полного протокольного декодирования                                                                                                                  | Труды Института системного программирования РАН                                                           | 2023 |                                       |
| К столетию И.Р. Шафаревича                                                                                                                                                                                                 | Математическое образование                                                                                | 2023 |                                       |
| Vector fields and invariants of the full symmetric Toda system                                                                                                                                                             | Theoretical and Mathematical Physics(Russian Federation)                                                  | 2023 | 10.1134/S0040577923080068             |
| Nonlocal Fractional Quantum Field Theory and Converging Perturbation Series                                                                                                                                                | Symmetry                                                                                                  | 2023 | 10.3390/sym15101823                   |
| Interaction of Two Charged Dielectric Spheres with a Point Charge                                                                                                                                                          | Journal of Experimental and Theoretical Physics                                                           | 2023 | 10.1134/S1063776123030160             |
| Data Assimilation for the Two-Dimensional Ambipolar Diffusion Equation in Earth’s Ionosphere Model                                                                                                                         | Computational Mathematics and Mathematical Physics                                                        | 2023 | 10.1134/S0965542523050093             |
| Opinion Formation in Online Public Debates Structured in Information Cascades: A System-Theoretic Viewpoint                                                                                                                | Computers                                                                                                 | 2023 | 10.3390/computers12090178             |

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| On weak solutions of boundary value problems for some general differential equations                                                                                                                | Izvestiya Mathematics                                               | 2023 | 10.4213/im9403e                      |
| Моделирование связи курса доллара к рублю с ценами на нефть на основе копул                                                                                                                         | Деньги и кредит                                                     | 2023 |                                      |
| Lévy Laplacians, Holonomy Group and Instantons on 4-Manifolds                                                                                                                                       | Potential Analysis                                                  | 2023 | 10.1007/s11118-022-10013-0           |
| Сингулярности квазилинейных дифференциальных уравнений                                                                                                                                              | Дальневосточный математический журнал                               | 2023 |                                      |
| Заключительный этап олимпиады "Физтех-2023" по математике. Часть1                                                                                                                                   | Математика в школе                                                  | 2023 |                                      |
| Subgradient methods for weakly convex and relatively weakly convex problems with a sharp minimum; [Субградиентные методы для слабо выпуклых и относительно слабо выпуклых задач с острым минимумом] | Computer Research and Modeling                                      | 2023 | 10.20537/2076-7633-2023-15-2-393-412 |
| Artificially Generated Text Fragments Search in Academic Documents                                                                                                                                  | Doklady Mathematics                                                 | 2023 | 10.1134/S1064562423701211            |
| ПРЕДСТАВЛЕНИЯ РЕБЕР ГИПЕРГРАФОВ ОБОБЩЁННЫМИ ПУТЯМИ                                                                                                                                                  | Дискретный анализ и исследование операций                           | 2023 |                                      |
| Testing the Satisfiability of Algebraic Formulas over the Field of Two Elements                                                                                                                     | Problems of Information Transmission                                | 2023 | 10.1134/S0032946023010052            |
| ОБРАЗ ЦИФРОВОГО БУДУЩЕГО КАК МОДЕЛЬ КОНСТИТУИРОВАНИЯ РЕАЛЬНОСТИ: СЦЕНАРИИ ФОРМИРОВАНИЯ И РЕПРЕЗЕНТАЦИИ                                                                                              | Журнал политических исследований                                    | 2023 |                                      |
| Об истинной и мнимой человечности в зарубежном историческом кино XXI века                                                                                                                           | Наука телевидения                                                   | 2023 |                                      |
| Current State of Modeling Human Psychiatric Disorders Using Zebrafish                                                                                                                               | International Journal of Molecular Sciences                         | 2023 | 10.3390/ijms24043187                 |
| Experimental Zebrafish Models of Synaptopathies                                                                                                                                                     | J EVOL BIOCHEM PHYS+                                                | 2023 |                                      |
| СОГЛАСОВАННОЕ МОДЕЛИРОВАНИЕ ТЕПЛОВЫХ И НЕЙТРОННО-ФИЗИЧЕСКИХ ПАРАМЕТРОВ В АКТИВНОЙ ЗОНЕ РЕАКТОРА С ВОДЯНЫМ ТЕПЛОНОСИТЕЛЕМ СВЕРХКРИТИЧЕСКОГО ДАВЛЕНИЯ                                                 | Вопросы атомной науки и техники. Серия: Ядерно-реакторные константы | 2023 |                                      |
| О применимости приближения ячеек Вигнера–Зейтца для кулоновских кластеров                                                                                                                           | Физика плазмы                                                       | 2023 |                                      |
| Relevance of the Wigner–Seitz Cell Approximation for the Coulomb Clusters                                                                                                                           | Plasma Physics Reports                                              | 2023 | 10.1134/S1063780X23600937            |
| Possible Seismogenic-Trigger Mechanism of Methane Emission, Glacier Destruction and Climate Warming in the Arctic and Antarctic                                                                     | Izvestiya, Physics of the Solid Earth                               | 2023 | 10.1134/S1069351323030084            |
| Late Mesozoic and Cenozoic Geodynamics of the Arctic Region: Implications for Abiogenic Generation of Hydrocarbons                                                                                  | Geosciences (Switzerland)                                           | 2023 | 10.3390/geosciences13030068          |

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| Large Earthquakes in Subduction Zones around the Polar Regions as a Possible Reason for Rapid Climate Warming in the Arctic and Glacier Collapse in West Antarctica                                                                             | Geosciences (Switzerland)                                                                                                            | 2023 | 10.3390/geosciences13060171          |
| The Large Earthquakes and Deformation Waves as Possible Triggers of Climate Warming in the Arctic and Glacier Destruction in the Antarctic                                                                                                      | Herald of the Russian Academy of Sciences                                                                                            | 2023 | 10.1134/S1019331623030085            |
| Migration of Displacement Anomalies on the Flanks of a Preparing Earthquake Source: A Swing Model                                                                                                                                               | Izvestiya, Physics of the Solid Earth                                                                                                | 2023 | 10.1134/S106935132304002X            |
| An Intense Quantum of Deformation in the Deep Crust as Seen from Geomechanical Modeling in Southern California                                                                                                                                  | Doklady Earth Sciences                                                                                                               | 2023 | 10.1134/S1028334X23601645            |
| Possible Seismic Source Mechanism of the Catastrophic Tsunamigenic Earthquake on May 9, 1877 in Northwestern Chile                                                                                                                              | Pure and Applied Geophysics                                                                                                          | 2023 | 10.1007/s00024-022-03149-y           |
| The Keivy Domain of the Kola Granulite–Gneiss Area on the Baltic Shield: Most Ancient Median Massif of the Continental Crust                                                                                                                    | Geosciences (Switzerland)                                                                                                            | 2023 | 10.3390/geosciences13050142          |
| A Complex of Marine Geophysical Methods for Studying Gas Emission Process on the Arctic Shelf                                                                                                                                                   | Sensors                                                                                                                              | 2023 | 10.3390/s23083872                    |
| Time-Domain Electromagnetics for Subsea Permafrost Mapping in the Arctic: The Synthetic Response Analyses and Uncertainty Estimates from Numerical Modelling Data                                                                               | Geosciences (Switzerland)                                                                                                            | 2023 | 10.3390/geosciences13050144          |
| ПОИСК ТЕКСТОВЫХ ЗАИМСТВОВАНИЙ В РУКОПИСНЫХ ТЕКСТАХ                                                                                                                                                                                              | Доклады Российской академии наук. Математика, информатика, процессы управления                                                       | 2023 |                                      |
| Text Reuse Detection in Handwritten Documents                                                                                                                                                                                                   | Doklady Mathematics                                                                                                                  | 2023 | 10.1134/S106456242370120X            |
| Comparsion of stochastic approximation and sample average approximation for saddle point problem with bilinear coupling term; [Сравнение оценок онлайн-и офлайн-подходов для седловой задачи в билинейной форме]                                | Computer Research and Modeling                                                                                                       | 2023 | 10.20537/2076-7633-2023-15-2-381-391 |
| Block Algebraic Multigrid Method for Saddle-Point Problems of Various Physics                                                                                                                                                                   | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-49432-1_2          |
| On Biased Compression for Distributed Learning                                                                                                                                                                                                  | J MACH LEARN RES                                                                                                                     | 2023 |                                      |
| Analogues of the relative strong convexity condition for relatively smooth problems and adaptive gradient-type methods; [Аналоги условия относительной сильной выпуклости для относительно гладких задач и адаптивные методы градиентного типа] | Computer Research and Modeling                                                                                                       | 2023 | 10.20537/2076-7633-2023-15-2-413-432 |
| Hypergraph Edge Representations with the Use of Homological Paths                                                                                                                                                                               | Journal of Applied and Industrial Mathematics                                                                                        | 2023 | 10.1134/S1990478923030201            |
| ПОИСК ИСКУССТВЕННО СГЕНЕРИРОВАННЫХ ТЕКСТОВЫХ ФРАГМЕНТОВ В НАУЧНЫХ ДОКУМЕНТАХ                                                                                                                                                                    | Доклады Российской академии наук. Математика, информатика, процессы управления                                                       | 2023 |                                      |

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| Algorithm for Constrained Markov Decision Process with Linear Convergence                                                                                    | PR MACH LEARN RES                                   | 2023 |                              |
| Decentralized Conditional Gradient Method on Time-Varying Graphs                                                                                             | Programming and Computer Software                   | 2023 | 10.1134/S0361768823060075    |
| Why Na <sup>+</sup> has higher propensity than K <sup>+</sup> to condense DNA in a crowded environment                                                       | Journal of Chemical Physics                         | 2023 | 10.1063/5.0159341            |
| СТРУКТУРНЫЕ ИЗМЕНЕНИЯ ПРИ ПОЛИМЕРИЗАЦИИ АКРИЛАМИДА В ПОЛУРАЗБАВЛЕННЫХ РАСТВОРАХ ЧЕРВЕОБРАЗНЫХ МИЦЕЛЛ ПОВЕРХНОСТНО-АКТИВНОГО ВЕЩЕСТВА                         | Высокомолекулярные соединения. Серия А              | 2023 |                              |
| On the Simulation of a Rarefied Plasma Jet on the Basis of Kinetic Equations                                                                                 | Computational Mathematics and Mathematical Physics  | 2023 | 10.1134/S0965542523120023    |
| Composition and Structure of Arabidopsis thaliana Extrachromosomal Circular DNAs Revealed by Nanopore Sequencing                                             | Plants                                              | 2023 | 10.3390/plants12112178       |
| Coplanar superconducting resonators with nonlinear kinetic inductance bridge                                                                                 | Superconductor Science and Technology               | 2023 | 10.1088/1361-6668/acbc53     |
| МОЛЕКУЛЯРНАЯ ИДЕНТИФИКАЦИЯ ИКСОДОВЫХ КЛЕЩЕЙ <i>PERSULCATUS</i> И <i>I. PAVLOVSKYI</i> В ЮЖНОЙ ЧАСТИ ПРИМОРСКОГО КРАЯ                                         | Дальневосточный журнал инфекционной патологии       | 2023 |                              |
| Forward Genetics-Based Approaches to Understanding the Systems Biology and Molecular Mechanisms of Epilepsy                                                  | International Journal of Molecular Sciences         | 2023 | 10.3390/ijms24065280         |
| Toward Transgene-Free Transposon-Mediated Biological Mutagenesis for Plant Breeding                                                                          | International Journal of Molecular Sciences         | 2023 | 10.3390/ijms242317054        |
| Solfeggio-frequency music exposure reverses cognitive and endocrine deficits evoked by a 24-h light exposure in adult zebrafish                              | Behavioural Brain Research                          | 2023 | 10.1016/j.bbr.2023.114461    |
| BRCA Mutations—The Achilles Heel of Breast, Ovarian and Other Epithelial Cancers                                                                             | International Journal of Molecular Sciences         | 2023 | 10.3390/ijms24054982         |
| Surgeons' perspectives on artificial intelligence to support clinical decision-making in trauma and emergency contexts: results from an international survey | World Journal of Emergency Surgery                  | 2023 | 10.1186/s13017-022-00467-3   |
| Локальный подход к теории открытых оптических квантовых систем и “нарушение” второго начала термодинамики                                                    | Известия Российской академии наук. Серия физическая | 2023 |                              |
| Optimization of the Swarm of Robots Routing for the Sorting Center                                                                                           | E3S Web of Conferences                              | 2023 | 10.1051/e3sconf/202346900093 |
| Global Burden of Cardiovascular Diseases and Risks, 1990-2022                                                                                                | Journal of the American College of Cardiology       | 2023 | 10.1016/j.jacc.2023.11.007   |
| Understanding CNS Effects of Antimicrobial Drugs Using Zebrafish Models                                                                                      | Veterinary Sciences                                 | 2023 | 10.3390/vetsci10020096       |

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| A Waveguide Model of the Developed Turbulent Boundary Layer                                                                                                                                                                                                                                                                                                | Computational Mathematics and Mathematical Physics       | 2023 | 10.1134/S0965542523050196       |
| Волноводная модель развитого турбулентного пограничного слоя                                                                                                                                                                                                                                                                                               | Журнал вычислительной математики и математической физики | 2023 |                                 |
| Development of a Method for Isolation of Mature Cardiomyocytes from Human Heart Biopsy Specimens                                                                                                                                                                                                                                                           | B EXP BIOL MED+                                          | 2023 |                                 |
| УПРАВЛЕНИЕ БЕЗОПАСНОСТЬЮ И КАЧЕСТВОМ ЛЕТНОГО ЭКСПЕРИМЕНТА В РЕАЛЬНОМ ВРЕМЕНИ С ИСПОЛЬЗОВАНИЕМ НЕЙРОННЫХ СЕТЕЙ                                                                                                                                                                                                                                              | Авиакосмическое приборостроение                          | 2023 |                                 |
| Anti-CD63-Oligonucleotide Functionalized Magnetic Beads for the Rapid Isolation of Small Extracellular Vesicles and Detection of EpCAM and HER2 Membrane Receptors using DARPIn Probes                                                                                                                                                                     | Analysis and Sensing                                     | 2023 | 10.1002/anse.202200059          |
| A Local Approach to the Theory of Open Optical Quantum Systems and “Violation” of the Second Law of Thermodynamics                                                                                                                                                                                                                                         | Bulletin of the Russian Academy of Sciences: Physics     | 2023 | 10.3103/S1062873823703598       |
| ЭЛЕКТРОННАЯ ЗОННАЯ СТРУКТУРА, АНТИФЕРРОМАГНЕТИЗМ И ПРИРОДА ХИМИЧЕСКОЙ СВЯЗИ В La <sub>2</sub> CuO <sub>4</sub>                                                                                                                                                                                                                                             | Журнал экспериментальной и теоретической физики          | 2023 |                                 |
| Ab-initio based modeling of precipitation in Al–(Sc,Zr) alloy. Formation and stability of a core–shell structure                                                                                                                                                                                                                                           | Computational Materials Science                          | 2023 | 10.1016/j.commatsci.2022.111912 |
| Electronic Band Structure, Antiferromagnetism, and the Nature of Chemical Bonding in La <sub>2</sub> CuO <sub>4</sub>                                                                                                                                                                                                                                      | Journal of Experimental and Theoretical Physics          | 2023 | 10.1134/S1063776123070051       |
| Wave Processes in Plasma Astrophysics                                                                                                                                                                                                                                                                                                                      | Plasma Physics Reports                                   | 2023 | 10.1134/S1063780X22601900       |
| Волновые процессы в плазменной астрофизике                                                                                                                                                                                                                                                                                                                 | Физика плазмы                                            | 2023 |                                 |
| Dusty plasmas above the sunlit surface of Mercury                                                                                                                                                                                                                                                                                                          | Physics of Plasmas                                       | 2023 | 10.1063/5.0142936               |
| Невинеровская динамика ансамбля одинаковых ангармонических осцилляторов                                                                                                                                                                                                                                                                                    | Известия Российской академии наук. Серия физическая      | 2023 |                                 |
| Transport Properties of Strongly Correlated Fermi Systems                                                                                                                                                                                                                                                                                                  | Symmetry                                                 | 2023 | 10.3390/sym15112055             |
| On the status and selectivity of the infant burials of the Yamnaya Archaeological Culture of the Southern Urals (based on the excavation materials of the burial mound No. 1 of the Boldyrevo-4 group); [О СТАТУСЕ И ИЗБИРАТЕЛЬНОСТИ ДЕТСКИХ ПОГРЕБЕНИЙ ЯМНОЙ АРХЕОЛОГИЧЕСКОЙ КУЛЬТУРЫ ЮЖНОГО УРАЛА (ПО МАТЕРИАЛАМ РАСКОПОК КУРГАНА 1 ГРУППЫ БОЛДЫРЕВО-4)] | Vestnik Archeologii, Antropologii i Etnografii           | 2023 | 10.20874/2071-0437-2023-62-3-10 |
| Towards experimental models of delirium utilizing zebrafish                                                                                                                                                                                                                                                                                                | Behavioural Brain Research                               | 2023 | 10.1016/j.bbr.2023.114607       |
| Cellular electrophysiological effects of botulinum toxin A on neonatal rat cardiomyocytes and on cardiomyocytes derived from human-induced pluripotent stem cells                                                                                                                                                                                          | Naunyn-Schmiedeberg's Archives of Pharmacology           | 2023 | 10.1007/s00210-022-02332-1      |
| Parametric synthesis optimization models for high speed transport aerodynamic design to comply with flight safety and low environmental impact requirements                                                                                                                                                                                                | Acta Astronautica                                        | 2023 | 10.1016/j.actaastro.2022.10.023 |

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| РАЗРАБОТКА АЛГОРИТМОВ ОБРАБОТКИ ПОЛЕТНЫХ ДАННЫХ ДЛЯ АВТОМАТИЗАЦИИ ОПРЕДЕЛЕНИЯ ХАРАКТЕРИСТИК УСТОЙЧИВОСТИ И УПРАВЛЯЕМОСТИ САМОЛЕТА                         | Авиакосмическое приборостроение                      | 2023 |                                  |
| Mirror proteorhodopsins                                                                                                                                   | Communications Chemistry                             | 2023 | 10.1038/s42004-023-00884-8       |
| Oscillatory superconducting transition temperature in superconductor/antiferromagnet heterostructures                                                     | Physical Review B                                    | 2023 | 10.1103/PhysRevB.108.184509      |
| Overcoming photon blockade in a circuit-QED single-atom maser with engineered metastability and strong coupling                                           | Physical Review A                                    | 2023 | 10.1103/PhysRevA.107.L031701     |
| High Quality Quasinormal Modes of Phononic Crystals for Quantum Acoustodynamics                                                                           | Journal of Low Temperature Physics                   | 2023 | 10.1007/s10909-022-02871-0       |
| Non-Wiener Dynamics of an Ensemble of Identical Anharmonic Oscillators                                                                                    | Bulletin of the Russian Academy of Sciences: Physics | 2023 | 10.3103/S1062873823703926        |
| Quantum phase transition in CeCoIn5: Experimental facts and theory                                                                                        | EPL                                                  | 2023 | 10.1209/0295-5075/acef56         |
| Improved Delayed Detached Eddy Simulation of Combustion of Hydrogen Jets in a High-Speed Confined Hot Air Cross Flow                                      | Energies                                             | 2023 | 10.3390/en16041736               |
| Basic principles for creating light, efficient and safe structures for the next generation supersonic transport                                           | Acta Astronautica                                    | 2023 | 10.1016/j.actaastro.2022.10.035  |
| Quality Control of a Real-Time Flight Experiment Using Neural Networks                                                                                    | Advances in Systems Science and Applications         | 2023 | 10.25728/assa.2023.23.3.1370     |
| Hydrogenic spin-valley states of the bromine donor in 2H-MoTe2                                                                                            | Communications Physics                               | 2023 | 10.1038/s42005-023-01244-7       |
| Depth analysis of variational quantum algorithms for the heat equation                                                                                    | Physical Review A                                    | 2023 | 10.1103/PhysRevA.107.052422      |
| Magnetic anisotropy of the superconducting transition in superconductor/antiferromagnet heterostructures with spin-orbit coupling                         | Physical Review B                                    | 2023 | 10.1103/PhysRevB.108.L060507     |
| Magnon influence on the superconducting density of states in superconductor-ferromagnetic-insulator bilayers                                              | Physical Review B                                    | 2023 | 10.1103/PhysRevB.108.214501      |
| Superconducting Diode Effect in Topological Hybrid Structures                                                                                             | Condensed Matter                                     | 2023 | 10.3390/condmat8020036           |
| Multivalued Memory via Freezing of Super-Hard Magnetic Domains in a Quasi 2D-Magnet                                                                       | Small Methods                                        | 2023 | 10.1002/smt.202300491            |
| Magnetization Dynamics in Proximity-Coupled Superconductor-Ferromagnet-Superconductor Multilayers. II. Thickness Dependence of the Superconducting Torque | Physical Review Applied                              | 2023 | 10.1103/PhysRevApplied.19.034025 |
| A version of the SSG/LRR- $\gamma$ turbulence model for separated flow predictions and its basic validation                                               | AIP Conference Proceedings                           | 2023 | 10.1063/5.0132396                |
| Renormalization of antiferromagnetic magnons by superconducting condensate and quasiparticles                                                             | Physical Review B                                    | 2023 | 10.1103/PhysRevB.107.174521      |

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| Proximity effect in superconductor/antiferromagnet hybrids: Néel triplets and impurity suppression of superconductivity                            | Physical Review B                                                                           | 2023 | 10.1103/PhysRevB.108.054510       |
| Limitations of the Current-Phase Relation Measurements by an Asymmetric dc-SQUID                                                                   | Nano Letters                                                                                | 2023 | 10.1021/acs.nanolett.3c01970      |
| Complete Tc suppression and Néel triplets mediated exchange in antiferromagnet-superconductor-antiferromagnet trilayers                            | Physical Review B                                                                           | 2023 | 10.1103/PhysRevB.108.144506       |
| Tracing Vortex Clustering in a Superconductor by the Magnetic Flux Distribution                                                                    | Journal of Physical Chemistry Letters                                                       | 2023 | 10.1021/acs.jpcllett.3c00721      |
| Insight into the electronic structure of the centrosymmetric skyrmion magnet GdRu2Si2                                                              | Nanoscale Advances                                                                          | 2023 | 10.1039/d3na00435j                |
| Generation of spin-triplet Cooper pairs via a canted antiferromagnet                                                                               | Physical Review B                                                                           | 2023 | 10.1103/PhysRevB.108.064515       |
| Antiferromagnetic Resonances in Superconductor-Ferromagnet Multilayers                                                                             | Physical Review Applied                                                                     | 2023 | 10.1103/PhysRevApplied.20.L021001 |
| Contribution of Processes in SN Electrodes to the Transport Properties of SN-N-NS Josephson Junctions                                              | Nanomaterials                                                                               | 2023 | 10.3390/nano13121873              |
| Insight into the Temperature-Dependent Canting of 4f Magnetic Moments from 4f Photoemission                                                        | Journal of Physical Chemistry Letters                                                       | 2023 | 10.1021/acs.jpcllett.3c01276      |
| Spin-orbit driven superconducting proximity effects in Pt/Nb thin films                                                                            | Nature Communications                                                                       | 2023 | 10.1038/s41467-023-40757-1        |
| Generation of spin-triplet Cooper pairs via a canted antiferromagnet                                                                               | PHYS REV B                                                                                  | 2023 |                                   |
| Intertype superconductivity in ferromagnetic superconductors                                                                                       | COMMUN PHYS-UK                                                                              | 2023 |                                   |
| Large-scale assessment of pros and cons of autopsy-derived or tumor-matched tissues as the norms for gene expression analysis in cancers           | Computational and Structural Biotechnology Journal                                          | 2023 | 10.1016/j.csbj.2023.07.040        |
| Cas9-targeted Nanopore sequencing rapidly elucidates the transposition preferences and DNA methylation profiles of mobile elements in plants       | Journal of Integrative Plant Biology                                                        | 2023 | 10.1111/jipb.13555                |
| Global, regional, and national incidence of six major immune-mediated inflammatory diseases: findings from the global burden of disease study 2019 | eClinicalMedicine                                                                           | 2023 | 10.1016/j.eclinm.2023.102193      |
| Broadness and specificity: ArdB, ArdA, and Ocr against various restriction-modification systems                                                    | Frontiers in Microbiology                                                                   | 2023 | 10.3389/fmicb.2023.1133144        |
| Limiting Possibilities of Reduction of Phased Array Sidelobes Directed Towards the Ground Using Phase Synthesis                                    | Conference Proceedings - 2023 Radiation and Scattering of Electromagnetic Waves, RSEMW 2023 | 2023 | 10.1109/RSEMW58451.2023.10202088  |
| Suppression of Sidelobes Directed to the Underlying Surface for Phase-Only-Controlled Phased Arrays                                                | Journal of Communications Technology and Electronics                                        | 2023 | 10.1134/S1064226923080089         |

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| Machine Learning Algorithms for Signal Demodulation and Determination of HF Communication Channel Parameters                                                 | Conference Proceedings - 2023 Radiation and Scattering of Electromagnetic Waves, RSEMW 2023 | 2023 | 10.1109/RSEMW58451.2023.10202026 |
| A Modification of the Hybrid Projection Method for Analysis of Inhomogeneous Magneto-Dielectric Lenses with Axial Symmetry                                   | Conference Proceedings - 2023 Radiation and Scattering of Electromagnetic Waves, RSEMW 2023 | 2023 | 10.1109/RSEMW58451.2023.10201956 |
| ФОРМАЛИЗАЦИЯ И АНАЛИЗ МИКРОТРАНЗАКЦИОННЫХ АТАК НА СБП                                                                                                        | Современная математика и концепции инновационного математического образования               | 2023 |                                  |
| ПРОГРАММНОЕ ОБЕСПЕЧЕНИЕ ДЛЯ СОЗДАНИЯ СИНТЕЗИРОВАННЫХ ДАННЫХ И СИМУЛЯТОР С ОБРАТНОЙ СВЯЗЬЮ ДЛЯ ТЕСТИРОВАНИЯ АЛГОРИТМОВ МАШИННОГО ОБУЧЕНИЯ                     | Научное приборостроение                                                                     | 2023 |                                  |
| In Silico Drug Repurposing in Multiple Sclerosis Using scRNA-Seq Data                                                                                        | International Journal of Molecular Sciences                                                 | 2023 | 10.3390/ijms24020985             |
| Epi-Impute: Single-Cell RNA-seq Imputation via Integration with Single-Cell ATAC-seq                                                                         | International Journal of Molecular Sciences                                                 | 2023 | 10.3390/ijms24076229             |
| Cholesterol and melatonin regulated membrane fluidity does not affect the membrane breakage triggered by amyloid-beta peptide                                | Biophysical Chemistry                                                                       | 2023 | 10.1016/j.bpc.2023.107023        |
| Photorhabdus lux-operon heat shock-like regulation                                                                                                           | Heliyon                                                                                     | 2023 | 10.1016/j.heliyon.2023.e14527    |
| Development and Characterization of Flavin-Binding Fluorescent Proteins, Part I: Basic Characterization                                                      | Methods in Molecular Biology                                                                | 2023 | 10.1007/978-1-0716-2667-2_6      |
| Amyloid Precursor Protein Changes Arrangement in a Membrane and Its Structure Depending on the Cholesterol Content                                           | Membranes                                                                                   | 2023 | 10.3390/membranes13080706        |
| ArdA genes from pKM101 and from B. bifidum chromosome have a different range of regulated genes                                                              | Heliyon                                                                                     | 2023 | 10.1016/j.heliyon.2023.e22986    |
| Anti-Restriction Activity of ArdB Protein against EcoAI Endonuclease                                                                                         | Molecular Biology                                                                           | 2023 | 10.1134/S0026893323010053        |
| Analytical Model of 5G V2X Mode 2 for Sporadic Traffic                                                                                                       | IEEE Wireless Communications Letters                                                        | 2023 | 10.1109/LWC.2023.3278181         |
| Fighting Celiac Disease: Improvement of pH Stability of Cathepsin L In Vitro by Computational Design                                                         | International Journal of Molecular Sciences                                                 | 2023 | 10.3390/ijms241512369            |
| NMR structure of emfourin, a novel protein metalloprotease inhibitor: Insights into the mechanism of action                                                  | Journal of Biological Chemistry                                                             | 2023 | 10.1016/j.jbc.2023.104585        |
| Structural Changes during Polymerization of Acrylamide in Semidilute Solutions of Wormlike Surfactant Micelles                                               | Polymer Science - Series A                                                                  | 2023 | 10.1134/S0965545X23701171        |
| Disjunct habitat of cryptic Terebellides (Annelida, Trichobanchidae) species shows a phylogenetic link between polychaetes from the White and the North Seas | Scientific Reports                                                                          | 2023 | 10.1038/s41598-023-49785-9       |
| New temperature-switchable acyl homoserine lactone-regulated expression vector                                                                               | Applied Microbiology and Biotechnology                                                      | 2023 | 10.1007/s00253-022-12341-y       |

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| I-Shaped Dimers of a Plant Chloroplast FOF1-ATP Synthase in Response to Changes in Ionic Strength                                                     | International Journal of Molecular Sciences                 | 2023 | 10.3390/ijms241310720          |
| Ferritin self-assembly, structure, function, and biotechnological applications                                                                        | International Journal of Biological Macromolecules          | 2023 | 10.1016/j.ijbiomac.2022.10.126 |
| Genotoxic Effect of Dicyclopropanated 5-Vinyl-2-Norbornene                                                                                            | Biosensors                                                  | 2023 | 10.3390/bios13010057           |
| Observation of Cytotoxicity of Phosphonium Derivatives Is Explained: Metabolism Inhibition and Adhesion Alteration                                    | Antibiotics                                                 | 2023 | 10.3390/antibiotics12040720    |
| Stages of OCP-FRP Interactions in the Regulation of Photoprotection in Cyanobacteria, Part 2: Small-Angle Neutron Scattering with Partial Deuteration | Journal of Physical Chemistry B                             | 2023 | 10.1021/acs.jpcc.2c07182       |
| Chaotic aging: intrinsically disordered proteins in aging-related processes                                                                           | Cellular and Molecular Life Sciences                        | 2023 | 10.1007/s00018-023-04897-3     |
| Ga-In Alloy Segregation within a Porous Glass as Studied by SANS                                                                                      | Nanomaterials                                               | 2023 | 10.3390/nano13081357           |
| Bacterial lux-biosensors: Constructing, applications, and prospects                                                                                   | Biosensors and Bioelectronics: X                            | 2023 | 10.1016/j.biosx.2023.100323    |
| Эксперименты по когерентному сложению хаотических радиоимпульсов в беспроводном канале                                                                | Радиотехника и электроника                                  | 2023 |                                |
| Indistinguishability of Traffic by Open TLS Parameters with Encrypted ClientHello                                                                     | Journal of Communications Technology and Electronics        | 2023 | 10.1134/S1064226923120173      |
| Исследование влияния сжатия CSI на эффективность MU-MIMO в условиях временной эволюции канала                                                         | Информационные процессы                                     | 2023 |                                |
| Исследование производительности механизма PRAW со слотами произвольной длительности в сетях Wi-Fi HaLow                                               | Информационные процессы                                     | 2023 |                                |
| Обнаружение возможной перезаписи переменных вследствие использования функций нелокальных переходов                                                    | Труды Института системного программирования РАН             | 2023 |                                |
| Analytical Model of an Energy Detector for Ultra-Wideband Chaotic Communications                                                                      | Electronics (Switzerland)                                   | 2023 | 10.3390/electronics12040954    |
| Моделирование энергетического приемника для систем сверхширокополосной хаотической радиосвязи                                                         | Инфокоммуникационные и радиоэлектронные технологии          | 2023 |                                |
| Transition of a Supersonic Boundary Layer Over an Unswept Wing Due to Acoustic Noise                                                                  | Doklady Physics                                             | 2023 | 10.1134/S1028335823040031      |
| ТУРБУЛИЗАЦИЯ СВЕРХЗВУКОВОГО ПОГРАНИЧНОГО СЛОЯ НА ПРЯМОМ КРЫЛЕ ИЗ-ЗА АКУСТИЧЕСКОГО ШУМА                                                                | Доклады Российской академии наук. Физика, технические науки | 2023 |                                |
| Enhanced THz Generation From Interdigitated Quantum Dot Based Photoconductive Antenna Operating in a Quasi-Ballistic Regime                           | IEEE Journal of Selected Topics in Quantum Electronics      | 2023 | 10.1109/JSTQE.2023.3271830     |
| Метаповерхности для резонансно-туннельных диодов с двойным металлическим волноводом                                                                   | Нано- и микросистемная техника                              | 2023 |                                |
| Local Field Enhancement Due to the Edge States of Nanoplasmonic Crystal                                                                               | Photonics                                                   | 2023 | 10.3390/photonics10030263      |

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| CMOS-compatible direct laser writing of sulfur-ultrahyperdoped silicon: Breakthrough pre-requisite for UV-THz optoelectronic nano/microintegration | Optics and Laser Technology                                                                 | 2023 | 10.1016/j.optlastec.2022.108873  |
| ШТРАФ ОТ ПЕРЕХОДНЫХ ПРОЦЕССОВ В ВОЛОКОННО-ОПТИЧЕСКОЙ ЛИНИИ СВЯЗИ С EDFA                                                                            | Фотон-экспресс                                                                              | 2023 |                                  |
| О "детерминизации" стохастических процессов при увеличении в системе степеней свободы                                                              | Труды МАИ                                                                                   | 2023 |                                  |
| Motion Control of a Multipurpose Laboratory Module with the Use of a Propulsion Unit                                                               | Journal of Computer and Systems Sciences International                                      | 2023 | 10.1134/S1064230723020181        |
| Учет производства энтропии в системе уравнений Навье-Стокса при описании турбулентного течения вязкой сжимаемой теплопроводной жидкости            | Труды МАИ                                                                                   | 2023 |                                  |
| CrossMoDA 2021 challenge: Benchmark of cross-modality domain adaptation techniques for vestibular schwannoma and cochlea segmentation              | Medical Image Analysis                                                                      | 2023 | 10.1016/j.media.2022.102628      |
| Проверка программ на соответствие стандарту MISRA C с использованием инфраструктуры Clang                                                          | Труды Института системного программирования РАН                                             | 2023 |                                  |
| Essential L-Amino Acid-Functionalized Graphene Oxide for Liquid Crystalline Phase Formation                                                        | Materials Science and Engineering: B                                                        | 2023 | 10.1016/j.mseb.2023.116564       |
| Методы синтеза перекрывающихся подрешеток со столообразными диаграммами направленности в планарных фазированных антенных решетках                  | Радиотехника                                                                                | 2023 |                                  |
| Shaping of Flat-Topped Element Patterns in Arrays of Coupled Multimode Waveguides of Square Cross Section                                          | Conference Proceedings - 2023 Radiation and Scattering of Electromagnetic Waves, RSEMW 2023 | 2023 | 10.1109/RSEMW58451.2023.10201935 |
| ОПРЕДЕЛЕНИЕ НИЗКИХ ОРБИТ ПО ИЗМЕРЕНИЯМ НЕСКОЛЬКИХ ТЕЛЕСКОПОВ                                                                                       | Цифровая обработка сигналов                                                                 | 2023 |                                  |
| Обзор современных методов и технологий для динамической системы с запаздыванием                                                                    | Приборы и системы. Управление, контроль, диагностика                                        | 2023 |                                  |
| Анализ возможности выполнения требований индустриального интернета вещей методами Wi-Fi 6                                                          | Информационные процессы                                                                     | 2023 |                                  |
| Long Lived Delayed Fluorescence of Ternary Naphthalene- $\beta$ -Cyclodextrin-Cyclohexane Complexes at Room Temperature                            | High Energy Chemistry                                                                       | 2023 | 10.1134/S001814392301006X        |
| Долгоживущая замедленная флуоресценция тройных комплексов нафталин- $\beta$ -циклодекстрин-циклогексан при комнатной температуре                   | Химия высоких энергий                                                                       | 2023 |                                  |
| Спектральные свойства функциональных дистирильных производных BODIPY                                                                               | Химия высоких энергий                                                                       | 2023 |                                  |
| Spectral Properties of Functional Distyryl Derivatives of BODIPY                                                                                   | High Energy Chemistry                                                                       | 2023 | 10.1134/S0018143923030104        |

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| Обзор методов прямой численной оптимизации для интеллектуальных систем управления беспилотными робототехническими устройствами                            | Приборы и системы. Управление, контроль, диагностика                                        | 2023 |                                  |
| Numerical Analysis of Focusing and Scattering of Waves by a Mikaelian Lens in 2D Case of H-Polarization                                                   | Conference Proceedings - 2023 Radiation and Scattering of Electromagnetic Waves, RSEMW 2023 | 2023 | 10.1109/RSEMW58451.2023.10201991 |
| Rationality of Quotients by Finite Heisenberg Groups                                                                                                      | Springer Proceedings in Mathematics and Statistics                                          | 2023 | 10.1007/978-3-031-17859-7_19     |
| Clouds in Gromov–Hausdorff class: Their completeness and centers                                                                                          | Topology and its Applications                                                               | 2023 | 10.1016/j.topol.2022.108374      |
| Extension of Dynamic Mode Decomposition for dynamic systems with incomplete information based on t-model of optimal prediction                            | Journal of Computational Physics                                                            | 2023 | 10.1016/j.jcp.2023.111913        |
| Orbit determination with the help of space-based optical instrumentation images                                                                           | Proceedings of the International Astronautical Congress, IAC                                | 2023 |                                  |
| Equilibrium in Dynamic Market Models with Known Elasticity                                                                                                | Journal of Mathematical Sciences (United States)                                            | 2023 | 10.1007/s10958-023-06322-3       |
| On the Theory of Methane Hydrate Decomposition in a One-Dimensional Model in Porous Sediments: Numerical Study                                            | Mathematics                                                                                 | 2023 | 10.3390/math11020341             |
| Eccentricity growth of massive planets inside cavities of protoplanetary discs                                                                            | Monthly Notices of the Royal Astronomical Society                                           | 2023 | 10.1093/mnras/stad987            |
| Numerical investigation of gas hydrate dissociation in the porous medium of multiphase flow                                                               | AIP Conference Proceedings                                                                  | 2023 | 10.1063/5.0163242                |
| Foreword to the special issue of Journal of Difference Equations and Applications on ‘Lozi, Hénon, and other chaotic attractors, theory and applications’ | Journal of Difference Equations and Applications                                            | 2023 | 10.1080/10236198.2023.2267824    |
| Исследование динамики доменной границы в GdFeCo методом двукратной высоко скоростной фотографии                                                           | Физика твердого тела                                                                        | 2023 |                                  |
| ЗАКЛЮЧИТЕЛЬНЫЙ ЭТАП ОЛИМПИАДЫ "ФИЗТЕХ-2022" ПО МАТЕМАТИКЕ. ЧАСТЬ 1                                                                                        | Математика в школе                                                                          | 2023 |                                  |
| Technique of Time Depend Dielectric Breakdown for the Wafer-Level Testing of Thin Dielectrics of MIS Devices                                              | Russian Microelectronics                                                                    | 2023 | 10.1134/S1063739723600450        |
| Investigating the Efficiency of Using U-Net, Erf-Net and DeepLabV3 Architectures in Inverse Lithography-based 90-nm Photomask Generation                  | Optical Memory and Neural Networks (Information Optics)                                     | 2023 | 10.3103/S1060992X23040094        |
| Collisionless dynamics of the superconducting gap excited by a spin-splitting field                                                                       | Physical Review B                                                                           | 2023 | 10.1103/PhysRevB.108.104507      |
| On a high-performance integrator of the equations of orbital motion of bodies in near-Earth space                                                         | Proceedings of the International Astronautical Congress, IAC                                | 2023 |                                  |
| Перераспределение энергии при горизонтальном вытягивании океанских вихрей баротропными течениями                                                          | Океанология                                                                                 | 2023 |                                  |

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| Using an Interpolation Model of the Gravitational Potential for High-Precision Ballistic Calculations                                                                                                                                    | Lecture Notes in Electrical Engineering                                                                                              | 2023 | 10.1007/978-981-16-8154-7_19           |
| Application of the Dynamic Mode Decomposition in search of unstable modes in laminar-turbulent transition problem; [Применение метода Dynamic Mode Decomposition для поиска неустойчивых мод в задаче о ламинарно-турбулентном переходе] | Computer Research and Modeling                                                                                                       | 2023 | 10.20537/2076-7633-2023-15-4-1069-1090 |
| Homogenized model of two-phase capillary-nonequilibrium flows in a medium with double porosity; [Усредненная модель двухфазных капиллярно-неравновесных течений в среде с двойной пористостью]                                           | Computer Research and Modeling                                                                                                       | 2023 | 10.20537/2076-7633-2023-15-3-567-580   |
| Об интерполяции гравитационного поля Земли                                                                                                                                                                                               | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                          | 2023 |                                        |
| Research on radiative acceleration acting on non-spherical objects in near Earth space                                                                                                                                                   | Proceedings of the International Astronautical Congress, IAC                                                                         | 2023 |                                        |
| Влияние продуктов переработки конопли и природы белка в стеновом материале эмульсионного геля на качество и структуру заварного полуфабриката для эклера                                                                                 | Хранение и переработка сельхозсырья                                                                                                  | 2023 |                                        |
| Plasma–Dust System in the Martian Ionosphere                                                                                                                                                                                             | Plasma Physics Reports                                                                                                               | 2023 | 10.1134/S1063780X22601377              |
| An Evolutionary View on Equilibrium Models of Transport Flows                                                                                                                                                                            | Mathematics                                                                                                                          | 2023 | 10.3390/math11040858                   |
| Анализ текстов с использованием искусственных нейронных сетей на основе нейроподобных элементов с временной суммацией сигналов (часть 1)                                                                                                 | Речевые технологии                                                                                                                   | 2023 |                                        |
| Neuropunk Revolution. Hacking Cognitive Systems towards Cyborgs 3.0                                                                                                                                                                      | INT J UNCONV COMPUT                                                                                                                  | 2023 |                                        |
| Perception of the Situation: Social Stress and Well-Being Indices                                                                                                                                                                        | Lecture Notes in Networks and Systems                                                                                                | 2023 | 10.1007/978-3-031-16075-2_57           |
| Анализ текстов с использованием искусственных нейронных сетей на основе нейроподобных элементов с временной суммацией сигналов (часть 2)                                                                                                 | Речевые технологии                                                                                                                   | 2023 |                                        |
| Comparison of Text Classification Methods Using Deep Learning Neural Networks                                                                                                                                                            | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-24340-0_33           |
| Neuromorphic Computing Based on CMOS-Integrated Memristive Arrays: Current State and Perspectives                                                                                                                                        | Supercomputing Frontiers and Innovations                                                                                             | 2023 |                                        |
| Neuropunk Revolution. Hacking Cognitive Systems towards Cyborgs 3.0                                                                                                                                                                      | International Journal of Unconventional Computing                                                                                    | 2023 |                                        |

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| Анализ текстов с использованием искусственных нейронных сетей на основе нейроподобных элементов с временной суммацией сигналов (часть 3)                                              | Речевые технологии                                                               | 2023 |                                |
| On Surjective Quadratic Maps of P2                                                                                                                                                    | Lobachevskii Journal of Mathematics                                              | 2023 | 10.1134/S1995080223060264      |
| Региональные этапы Всероссийской олимпиады школьников по математике и олимпиады им. Л. Эйлера 2021/2022 учебного года (Первый день)                                                   | Математика в школе                                                               | 2023 |                                |
| Equipartition of a Segment                                                                                                                                                            | Mathematics of Operations Research                                               | 2023 | 10.1287/moor.2022.1260         |
| NanoLuc Luciferase as a Fluorogen-Activating Protein for GFP Chromophore Based Fluorogens                                                                                             | International Journal of Molecular Sciences                                      | 2023 | 10.3390/ijms24097958           |
| Образование различных элементов в ультрапериферических столкновениях $^{208}\text{Pb}$ - $^{208}\text{Pb}$ на LHC                                                                     | Письма в журнал Физика элементарных частиц и атомного ядра                       | 2023 |                                |
| Total neutron cross-section measurement on CH with a novel 3D-projection scintillator detector                                                                                        | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023 | 10.1016/j.physletb.2023.137843 |
| Psychedelics promote plasticity by directly binding to BDNF receptor TrkB                                                                                                             | Nature Neuroscience                                                              | 2023 | 10.1038/s41593-023-01316-5     |
| Features and Possible Applications of Plant Lipid-Binding and Transfer Proteins                                                                                                       | Membranes                                                                        | 2023 | 10.3390/membranes13010002      |
| Specific Binding of the $\alpha$ -Component of the Lantibiotic Lichenicidin to the Peptidoglycan Precursor Lipid II Predetermines Its Antimicrobial Activity                          | International Journal of Molecular Sciences                                      | 2023 | 10.3390/ijms24021332           |
| Editorial: Omics-based identification, characterization, and validation of marine bioactive peptides                                                                                  | Frontiers in Marine Science                                                      | 2023 | 10.3389/fmars.2023.1323847     |
| Investigation of lipid/protein interactions in trifluoroethanol-water mixtures proposes the strategy for the refolding of helical transmembrane domains                               | Journal of Biomolecular NMR                                                      | 2023 | 10.1007/s10858-022-00408-x     |
| Recombinant Production, NMR Solution Structure, and Membrane Interaction of the Ph $\alpha$ 1 $\beta$ Toxin, a TRPA1 Modulator from the Brazilian Armed Spider Phoneutria nigriventer | Toxins                                                                           | 2023 | 10.3390/toxins15060378         |
| Facade-Based Bicelles as a New Tool for Production of Active Membrane Proteins in a Cell-Free System                                                                                  | International Journal of Molecular Sciences                                      | 2023 | 10.3390/ijms241914864          |
| Оптимизация структуры $\alpha$ -гарпинина, блокирующего калиевые каналы KV1.3                                                                                                         | Российский физиологический журнал им. И.М. Сеченова                              | 2023 |                                |
| Structure elucidation of Keroplatatus (Diptera:Keroplatidae) fungus gnat oxyluciferin                                                                                                 | Biochemical and Biophysical Research Communications                              | 2023 | 10.1016/j.bbrc.2023.07.035     |
| Marine Invertebrate Antimicrobial Peptides and Their Potential as Novel Peptide Antibiotics                                                                                           | Marine Drugs                                                                     | 2023 | 10.3390/md21100503             |

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| Conjugated Dienoic Acid Peroxides as Substrates in Chaetopterus Bioluminescence System                                                                                                                               | International Journal of Molecular Sciences              | 2023 | 10.3390/ijms24119466          |
| Crystal structure reveals canonical recognition of the phosphorylated cytoplasmic loop of human $\alpha 7$ nicotinic acetylcholine receptor by 14-3-3 protein                                                        | Biochemical and Biophysical Research Communications      | 2023 | 10.1016/j.bbrc.2023.09.086    |
| Opinion dynamics of online social network users: a micro-level analysis                                                                                                                                              | Journal of Mathematical Sociology                        | 2023 | 10.1080/0022250X.2021.1956917 |
| Structural basis for the ligand promiscuity of the neofunctionalized, carotenoid-binding fasciclin domain protein AstaP                                                                                              | Communications Biology                                   | 2023 | 10.1038/s42003-023-04832-z    |
| Orientational Preferences of GPI-Anchored Ly6/uPAR Proteins                                                                                                                                                          | International Journal of Molecular Sciences              | 2023 | 10.3390/ijms24010011          |
| Molecular Insight into Ligand Binding and Transport by the Lentil Lipid Transfer Protein Lc-LTP2: The Role of Basic Amino Acid Residues at Opposite Entrances to the Hydrophobic Cavity                              | Biomolecules                                             | 2023 | 10.3390/biom13121699          |
| Diversity of Structural, Dynamic, and Environmental Effects Explain a Distinctive Functional Role of Transmembrane Domains in the Insulin Receptor Subfamily                                                         | International Journal of Molecular Sciences              | 2023 | 10.3390/ijms24043906          |
| Selective targeting of $\alpha 7$ nicotinic acetylcholine receptor by synthetic peptide mimicking loop I of human SLURP-1 provides efficient and prolonged therapy of epidermoid carcinoma in vivo                   | Frontiers in Cell and Developmental Biology              | 2023 | 10.3389/fcell.2023.1256716    |
| Molecular Basis for Mambalgin-2 Interaction with Heterotrimeric $\alpha$ -ENaC/ASIC1a/ $\gamma$ -ENaC Channels in Cancer Cells                                                                                       | Toxins                                                   | 2023 | 10.3390/toxins15100612        |
| Total Synthesis of Racemic Thieno[3,2-f]thiochromene Tricarboxylate, a Luciferin from Marine Polychaeta Odontosyllis undecimdonga                                                                                    | Organic Letters                                          | 2023 | 10.1021/acs.orglett.3c01696   |
| A $\beta$ 1-42 Accumulation Accompanies Changed Expression of Ly6/uPAR Proteins, Dysregulation of the Cholinergic System, and Degeneration of Astrocytes in the Cerebellum of Mouse Model of Early Alzheimer Disease | International Journal of Molecular Sciences              | 2023 | 10.3390/ijms241914852         |
| The architecture of transmembrane and cytoplasmic juxtamembrane regions of Toll-like receptors                                                                                                                       | Nature Communications                                    | 2023 | 10.1038/s41467-023-37042-6    |
| Intramolecular Hydrogen Bonding in N6-Substituted 2-Chloroadenosines: Evidence from NMR Spectroscopy                                                                                                                 | International Journal of Molecular Sciences              | 2023 | 10.3390/ijms24119697          |
| A scorpion toxin affecting sodium channels shows double cis–trans isomerism                                                                                                                                          | FEBS Letters                                             | 2023 | 10.1002/1873-3468.14705       |
| О моделировании струи разреженной плазмы на основе кинетических уравнений                                                                                                                                            | Журнал вычислительной математики и математической физики | 2023 |                               |

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| Los Caprichos Diferenciales. Серия сюжетов о дифференциальных уравнениях                                                                     | Математическое образование                                                                                  | 2023 |                                    |
| Research Methods for Fake News Detection in Bangla Text                                                                                      | Studies in Computational Intelligence                                                                       | 2023 | 10.1007/978-3-031-44865-2_6        |
| Inverse Faraday Effect in Superconductors with a Finite Gap in the Excitation Spectrum                                                       | JETP Letters                                                                                                | 2023 | 10.1134/S0021364023601239          |
| Обратный эффект Фарадея в сверхпроводниках с конечной щелью в спектре возбуждений                                                            | Письма в Журнал экспериментальной и теоретической физики                                                    | 2023 |                                    |
| Propagation of generalized Korteweg-de Vries solitons along large-scale waves                                                                | Physical Review E                                                                                           | 2023 | 10.1103/PhysRevE.108.054205        |
| Structural insights into the effects of glycerol on ligand binding to cytochrome P450                                                        | Acta Crystallographica Section D: Structural Biology                                                        | 2023 | 10.1107/S2059798322011019          |
| CORRELATION BETWEEN CHEMICAL COMPOSITION AND CURIE TEMPERATURE OF A NICKEL-COBALT FERRITE                                                    | Journal of Structural Chemistry                                                                             | 2023 | 10.1134/S0022476623090172          |
| Wake-Up Free Ultrathin Ferroelectric Hf0.5Zr0.5O2 Films                                                                                      | Nanomaterials                                                                                               | 2023 | 10.3390/nano13212825               |
| Comparison of Extinction Cross Sections Obtained Using the Mie Theory and the Small Size Approximation for w-CdS, InP, and PbS Nanoparticles | High Energy Chemistry                                                                                       | 2023 | 10.1134/S0018143923080234          |
| Photosensitivity of the PbS Colloidal Quantum Dot-Based Nanostructures with an Energy Barrier                                                | Doklady Physics                                                                                             | 2023 | 10.1134/S1028335823070066          |
| Preparation and investigation of properties of resveratrol and solubilizers compositions                                                     | Rossiiskij Bioterapevticeskij Zurnal                                                                        | 2023 | 10.17650/1726-9784-2023-22-2-65-73 |
| Влияние добавок титана и марганца на поверхностную сегрегацию бария в его гексаферритах                                                      | Журнал структурной химии                                                                                    | 2023 |                                    |
| Preparation, phase stability, and magnetization behavior of high entropy hexaferrites                                                        | iScience                                                                                                    | 2023 | 10.1016/j.isci.2023.107077         |
| Effect of Titanium and Manganese Additions on the Surface Segregation of Barium in Hexaferrites                                              | Journal of Structural Chemistry                                                                             | 2023 | 10.1134/S0022476623120077          |
| Plasma-bioresource-derived multifunctional porous NGQD/AuNP nanocomposites for water monitoring and purification                             | Chemical Engineering Journal                                                                                | 2023 | 10.1016/j.cej.2022.139083          |
| Some 'Converses' to Intrinsic Linking Theorems                                                                                               | Discrete and Computational Geometry                                                                         | 2023 | 10.1007/s00454-023-00505-0         |
| Небаротропный вариант принципа максимума Трусделла                                                                                           | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                    |
| Full Symmetric Toda System: Solution via QR-Decomposition                                                                                    | Functional Analysis and its Applications                                                                    | 2023 | 10.1134/S0016266323040081          |
| Matter transport as fundamental property of acoustic solitons in plasma                                                                      | Physics of Plasmas                                                                                          | 2023 | 10.1063/5.0172462                  |
| Disorder-induced trapping and antitrapping of vortices in type-II superconductors                                                            | Physical Review B                                                                                           | 2023 | 10.1103/PhysRevB.107.174505        |

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| Equation of State of Zirconium at High Pressures                                                                                                                                                              | High Temperature                            | 2023 | 10.1134/S0018151X23050073       |
| Equation of State of Hafnium at High Pressures in Shock Waves                                                                                                                                                 | Physics of Wave Phenomena                   | 2023 | 10.3103/S1541308X23020073       |
| Изучение динамики волновых процессов сжатия и расширения в палладии при пикосекундном лазерном воздействии                                                                                                    | Теплофизика высоких температур              | 2023 |                                 |
| Уравнение состояния алюминия при высоких давлениях                                                                                                                                                            | Теплофизика высоких температур              | 2023 |                                 |
| Studying the Dynamics of Wave Processes of Compression and Expansion in Palladium under Picosecond Laser Action                                                                                               | High Temperature                            | 2023 | 10.1134/S0018151X23040132       |
| Nonlinear Dust Acoustic Waves in the Near Ideal (Gas-Like) Cryogenic Glow Discharge Dusty Plasma                                                                                                              | Plasma Physics Reports                      | 2023 | 10.1134/S1063780X22601821       |
| Возмущенная ионно-звуковыми солитонами функция распределения по скоростям ионов плазмы: аналитический расчет на базе КДВ-уравнения                                                                            | Физика плазмы                               | 2023 |                                 |
| Equation of State for Aluminum at High Pressures                                                                                                                                                              | High Temperature                            | 2023 | 10.1134/S0018151X23030227       |
| Nonlinear Dust Acoustic Waves in the Near Ideal (Gas-Like) Cryogenic Glow Discharge Dusty Plasma                                                                                                              | Plasma Physics Reports                      | 2023 |                                 |
| Equation of State for Tantalum at High Pressures in Waves of Shock Compression and Isentropic Expansion                                                                                                       | Physics of Wave Phenomena                   | 2023 | 10.3103/S1541308X23040052       |
| Plasma Ion Velocity Distribution Function Perturbed by Ion-Acoustic Solitons: Analytical Calculations Based on KDV Equation                                                                                   | Plasma Physics Reports                      | 2023 | 10.1134/S1063780X23601177       |
| Active Brownian motion of microparticles in a DC glow discharge during by laser radiation; [Активное броуновское движение микрочастиц в тлеющем разряде постоянного тока при воздействии лазерного излучения] | Applied Physics                             | 2023 | 10.51368/1996-0948-2023-5-53-60 |
| Нелинейные пыле-акустические волны в околоидеальной (газоподобной) криогенной пылевой плазме тлеющего разряда                                                                                                 | Физика плазмы                               | 2023 |                                 |
| Charge-Induced Structure Variations of 1D-Iodine Inside Thin SWCNTs                                                                                                                                           | Journal of Physical Chemistry C             | 2023 | 10.1021/acs.jpcc.2c06920        |
| High entropy BaFe <sub>12-x</sub> (Ti/Mn/Ga/In) <sub>x</sub> O <sub>19</sub> (x = 1–7) oxides: Correlation of the composition, entropy state, magnetic characteristics, and terahertz properties              | Ceramics International                      | 2023 | 10.1016/j.ceramint.2023.07.106  |
| Structural diversity of leukotriene G-protein coupled receptors                                                                                                                                               | Journal of Biological Chemistry             | 2023 | 10.1016/j.jbc.2023.105247       |
| Prophage-Derived Regions in Curtobacterium Genomes: Good Things, Small Packages                                                                                                                               | International Journal of Molecular Sciences | 2023 | 10.3390/ijms24021586            |
| Памятники середины I тысячелетия до н. э. в урочище Эки-Оттук (Центральная Тува): от типологии и хронологии к антропологии и генетике                                                                         | Археологические вести                       | 2023 |                                 |
| A Journey Towards the Most Efficient State Database For Hyperledger Fabric                                                                                                                                    | ADV ARTIF INTELL MAC                        | 2023 |                                 |

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| SoK: How Blockchain and Tokenization Will Transform the Energy Sector                                                                                            | 2023 IEEE International Conference on Omni-Layer Intelligent Systems, COINS 2023 | 2023 | 10.1109/COINS57856.2023.10189196 |
| A Journey Towards the Most Efficient State Database For Hyperledger Fabric                                                                                       | Advances in Artificial Intelligence and Machine Learning                         | 2023 | 10.54364/AAIML.2023.1188         |
| A Journey Towards the Most Efficient State Database for Hyperledger Fabric                                                                                       | 2023 IEEE International Conference on Blockchain and Cryptocurrency, ICBC 2023   | 2023 | 10.1109/icbc56567.2023.10174970  |
| A journey towards the most efficient state database for Hyperledger Fabric                                                                                       | Confer Block Crypto                                                              | 2023 |                                  |
| A Journey Towards the Most Efficient State Database for Hyperledger Fabric                                                                                       | 2023 IEEE International Conference on Blockchain and Cryptocurrency, ICBC 2023   | 2023 | 10.1109/ICBC56567.2023.10174970  |
| Uncovering the Perfect Scalable Database for Hyperledger Fabric's Evolution                                                                                      | 2023 IEEE International Conference on Omni-Layer Intelligent Systems, COINS 2023 | 2023 | 10.1109/COINS57856.2023.10189331 |
| ПОСТРОЕНИЕ МОДЕЛИ ГЛУБОКОГО ОБУЧЕНИЯ НА ОСНОВЕ WAVELET SCATTERING РАЗЛОЖЕНИЯ ДЛЯ АНАЛИЗА СЕЙСМИЧЕСКИХ СИГНАЛОВ                                                   | Процессы в геосредах                                                             | 2023 |                                  |
| ЗАКОНОМЕРНОСТИ ИНИЦИИРОВАНИЯ ДИНАМИЧЕСКИХ ПОДВИЖЕК ПО РАЗЛОМАМ, СОДЕРЖАЩИХ КОНТАКТНЫЕ ПЯТНА. ЛАБОРАТОРНЫЙ ЭКСПЕРИМЕНТ                                            | Динамические процессы в геосферах                                                | 2023 |                                  |
| ПРИМЕНЕНИЕ СИНТЕТИЧЕСКИХ ВОЛНОВЫХ ФОРМ ДЛЯ СОЗДАНИЯ МОДЕЛИ ГЛУБОКОГО МАШИННОГО ОБУЧЕНИЯ С ЦЕЛЬЮ ВЫДЕЛЕНИЯ ПЕРВЫХ ВСТУПЛЕНИЙ НА СЕЙСМИЧЕСКИХ ЗАПИСЯХ              | Динамические процессы в геосферах                                                | 2023 |                                  |
| Dependence of effective permeability on pore pressure gradient at low flow rates in low-permeability limestone                                                   | Interpretation                                                                   | 2023 | 10.1190/INT-2021-0110.1          |
| Functional GPCR Expression in Eukaryotic LEXSY System                                                                                                            | Journal of Molecular Biology                                                     | 2023 | 10.1016/j.jmb.2023.168310        |
| ФОТОЧУВСТВИТЕЛЬНОСТЬ НАНОСТРУКТУР С ЭНЕРГЕТИЧЕСКИМ БАРЬЕРОМ НА ОСНОВЕ КОЛЛОИДНЫХ КВАНТОВЫХ ТОЧЕК PbS                                                             | Доклады Российской академии наук. Физика, технические науки                      | 2023 |                                  |
| Sub-millisecond conformational dynamics of the A2A adenosine receptor revealed by single-molecule FRET                                                           | Communications Biology                                                           | 2023 | 10.1038/s42003-023-04727-z       |
| Calculation of the Molar Absorption Coefficients of InP, ZnS, and InP/ZnS Nanoparticles from the Complex Permittivities of the Corresponding Bulk Semiconductors | High Energy Chemistry                                                            | 2023 | 10.1134/S0018143923020157        |
| Structural insights into thrombolytic activity of destabilase from medicinal leech                                                                               | Scientific Reports                                                               | 2023 | 10.1038/s41598-023-32459-x       |
| Multi-scale modeling of uniaxial deformation of electroconductive polypropylene/nanoparticles composites reinforced with woven glass fiber                       | AIP Conference Proceedings                                                       | 2023 | 10.1063/5.0135838                |

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| Viscosity optimisation of photosensitive Al <sub>2</sub> O <sub>3</sub> slurry for stereolithography based additive manufacturing                                              | Processing and Application of Ceramics                                                                                          | 2023 | 10.2298/PAC2301091L             |
| Корреляция между химическим составом и температурой Кюри никель-кобальтового феррита                                                                                           | Журнал структурной химии                                                                                                        | 2023 |                                 |
| Вычисление коэффициентов экстинкции наночастиц InP, ZnS и InP/ZnS из комплексных диэлектрических проницаемостей соответствующих объемных полупроводников                       | Химия высоких энергий                                                                                                           | 2023 |                                 |
| Synthesis, Structural, and Photoluminescence Properties of MoS <sub>2</sub> Nanowall Films                                                                                     | Physica Status Solidi (B) Basic Research                                                                                        | 2023 | 10.1002/pssb.202200481          |
| Near infrared photoluminescence of the bottom-up produced 7-armchair graphene nanoribbons                                                                                      | Applied Physics Letters                                                                                                         | 2023 | 10.1063/5.0131405               |
| Protein Design Strategies for the Structural–Functional Studies of G Protein-Coupled Receptors                                                                                 | Biochemistry (Moscow)                                                                                                           | 2023 | 10.1134/S0006297923140110       |
| Rational development of new phosphine telluride precursors for the synthesis of telluride quantum dots                                                                         | Nano-Structures and Nano-Objects                                                                                                | 2023 | 10.1016/j.nanoso.2023.101020    |
| Structural insights into 3Fe–4S ferredoxins diversity in M. tuberculosis highlighted by a first redox complex with P450                                                        | Frontiers in Molecular Biosciences                                                                                              | 2023 | 10.3389/fmolb.2022.1100032      |
| Кислородные дефекты в одностенных углеродных нанотрубках для источников излучения в ближнем инфракрасном диапазоне                                                             | Оптика и спектроскопия                                                                                                          | 2023 |                                 |
| Development and tests of WLS plates for Outer Detector of Hyper-Kamiokande                                                                                                     | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023 | 10.1016/j.nima.2022.167543      |
| On the Formation of Clouds in the Dusty Ionosphere of Mars                                                                                                                     | JETP Letters                                                                                                                    | 2023 | 10.1134/S0021364023600398       |
| Estimate for the Domain of Univalence in the Class of Holomorphic Self-Maps of a Disk with Two Boundary Fixed Points                                                           | Doklady Mathematics                                                                                                             | 2023 | 10.1134/S1064562423700874       |
| Min-Max Optimization over Slowly Time-Varying Graphs                                                                                                                           | Doklady Mathematics                                                                                                             | 2023 | 10.1134/S1064562423701533       |
| First measurement of muon neutrino charged-current interactions on hydrocarbon without pions in the final state using multiple detectors with correlated energy spectra at T2K | Physical Review D                                                                                                               | 2023 | 10.1103/PhysRevD.108.112009     |
| Природа спиновой декогеренции поляризованного пучка легких ядер в накопительном кольце для поиска ЭДМ                                                                          | Письма в Журнал экспериментальной и теоретической физики                                                                        | 2023 |                                 |
| Neutron detection and application with a novel 3D-projection scintillator tracker in the future long-baseline neutrino oscillation experiments                                 | Physical Review D                                                                                                               | 2023 | 10.1103/PhysRevD.107.032012     |
| On direct observation of millicharged particles at c-τ factories and other e+e- colliders                                                                                      | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics                                                | 2023 | 10.1016/j.physletb.2023.138033  |
| Measurements of neutrino oscillation parameters from the T2K experiment using $3.6 \times 10^{21}$ protons on target                                                           | European Physical Journal C                                                                                                     | 2023 | 10.1140/epjc/s10052-023-11819-x |

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| Production of Various Elements in Ultraperipheral 208Pb–208Pb Collisions at the LHC                                                            | Physics of Particles and Nuclei Letters                                                                                              | 2023 | 10.1134/S1547477123050266            |
| Updated T2K measurements of muon neutrino and antineutrino disappearance using $3.6 \times 10^{21}$ protons on target                          | Physical Review D                                                                                                                    | 2023 | 10.1103/PhysRevD.108.072011          |
| SuperFGD prototype time resolution studies                                                                                                     | Journal of Instrumentation                                                                                                           | 2023 | 10.1088/1748-0221/18/01/P01012       |
| Решение сильно выпукло-вогнутых композитных седловых задач с небольшой размерностью одной из групп переменных                                  | Математический сборник                                                                                                               | 2023 |                                      |
| Accelerated Zero-Order SGD Method for Solving the Black Box Optimization Problem Under “Overparametrization” Condition                         | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-47859-8_6          |
| Survey of convex optimization of Markov decision processes; [Обзор выпуклой оптимизации марковских процессов принятия решений]                 | Computer Research and Modeling                                                                                                       | 2023 | 10.20537/2076-7633-2023-15-2-329-353 |
| On Accelerated Coordinate Descent Methods for Searching Equilibria in Two-Stage Transportation Equilibrium Traffic Flow Distribution Model     | Programming and Computer Software                                                                                                    | 2023 | 10.1134/S036176882306004X            |
| О многостадийной транспортной модели и достаточных условиях ее потенциальности                                                                 | Математическая теория игр и ее приложения                                                                                            | 2023 |                                      |
| On Decentralized Nonsmooth Optimization                                                                                                        | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-35305-5_2          |
| Current Status of the Novel 3D SuperFGD Detector for the T2K Experiment                                                                        | Physics (Switzerland)                                                                                                                | 2023 | 10.3390/physics5030046               |
| Similarity, Compression and Local Steps: Three Pillars of Efficient Communications for Distributed Variational Inequalities                    | ADV NEUR IN                                                                                                                          | 2023 |                                      |
| A Unified Analysis of Variational Inequality Methods: Variance Reduction, Sampling, Quantization, and Coordinate Descent                       | Computational Mathematics and Mathematical Physics                                                                                   | 2023 | 10.1134/S0965542523020045            |
| On Accelerated Methods for Saddle-Point Problems with Composite Structure; [Об ускоренных методах для седловых задач с композитной структурой] | Computer Research and Modeling                                                                                                       | 2023 | 10.20537/2076-7633-2023-15-2-433-467 |
| ВВЕДЕНИЕ                                                                                                                                       | Программирование                                                                                                                     | 2023 |                                      |
| Gradient-free methods for non-smooth convex stochastic optimization with heavy-tailed noise on convex compact                                  | Computational Management Science                                                                                                     | 2023 | 10.1007/s10287-023-00470-2           |
| First Order Methods with Markovian Noise: from Acceleration to Variational Inequalities                                                        | ADV NEUR IN                                                                                                                          | 2023 |                                      |
| ТЕХНИКИ СЖАТИЯ АКТИВАЦИЙ СЛОЕВ И ГРАДИЕНТОВ ДЛЯ РАСПРЕДЕЛЕННОГО ОБУЧЕНИЯ МОДЕЛЕЙ ИСКУССТВЕННОГО ИНТЕЛЛЕКТА                                     | Доклады Российской академии наук. Математика, информатика, процессы управления                                                       | 2023 |                                      |

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| ОБ УСКОРЕННЫХ ПОКОМПОНЕНТНЫХ МЕТОДАХ ПОИСКА РАВНОВЕСИЙ В ДВУХСТАДИЙНОЙ МОДЕЛИ РАВНОВЕСНОГО РАСПРЕДЕЛЕНИЯ ТРАНСПОРТНЫХ ПОТОКОВ                                                                                                                                         | Программирование                                                                                     | 2023 |                                     |
| Adaptive algorithms for relatively lipschitz continuous convex optimization problems                                                                                                                                                                                  | Pure and Applied Functional Analysis                                                                 | 2023 |                                     |
| Solving strongly convex-concave composite saddle-point problems with low dimension of one group of variables                                                                                                                                                          | Sbornik Mathematics                                                                                  | 2023 | 10.4213/sm9700e                     |
| Accelerated methods for weakly-quasi-convex optimization problems                                                                                                                                                                                                     | Computational Management Science                                                                     | 2023 | 10.1007/s10287-023-00468-w          |
| Безградиентные методы федеративного обучения с $\leq 1$ и $\leq 2$ -рандомизацией для задач негладкой выпуклой стохастической оптимизации                                                                                                                             | Журнал вычислительной математики и математической физики                                             | 2023 |                                     |
| Accelerated gradient methods with absolute and relative noise in the gradient                                                                                                                                                                                         | Optimization Methods and Software                                                                    | 2023 | 10.1080/10556788.2023.2212503       |
| Nature of Spin Decoherence of a Polarized Beam of Light Nuclei in a Storage Ring for EDM Search                                                                                                                                                                       | JETP Letters                                                                                         | 2023 | 10.1134/S0021364023603019           |
| Consideration of an Adapted Nuclotron Structure for Searching for the Electric Dipole Moment of Light Nuclei                                                                                                                                                          | Physics of Atomic Nuclei                                                                             | 2023 | 10.1134/S1063778823110418           |
| Stronger Counterexamples to the Topological Tverberg Conjecture                                                                                                                                                                                                       | Combinatorica                                                                                        | 2023 | 10.1007/s00493-023-00031-w          |
| Sensor response and electron distribution in the systems of In2O3 nanoparticles decorated with CeO2 nanoclusters                                                                                                                                                      | Sensors and Actuators B: Chemical                                                                    | 2023 | 10.1016/j.snb.2023.134585           |
| Propagation of wave packets along large-scale background waves                                                                                                                                                                                                        | Physics of Fluids                                                                                    | 2023 | 10.1063/5.0152437                   |
| Affine super-Yangian and a quantum Weyl groupoid                                                                                                                                                                                                                      | Theoretical and Mathematical Physics(Russian Federation)                                             | 2023 | 10.1134/S0040577923090064           |
| On a paradoxical property of solving the problem of stationary flow around a body by a subsonic stratified flow of an ideal gas; [Об одном парадоксальном свойстве решения задачи стационарного обтекания тела дозвуковым стратифицированным потоком идеального газа] | Vestnik Samarskogo Gosudarstvennogo Tekhnicheskogo Universiteta, Seriya Fiziko-Matematicheskie Nauki | 2023 | 10.14498/vsgtu1963                  |
| On Codimension 3 Singular Points of First-order Implicit Differential Equations                                                                                                                                                                                       | Advances in Systems Science and Applications                                                         | 2023 | 10.25728/assa.2023.23.01.1382       |
| ON AUTOMORPHIC FORMS OF SMALL WEIGHT FOR FAKE PROJECTIVE PLANES                                                                                                                                                                                                       | Moscow Mathematical Journal                                                                          | 2023 | 10.17323/1609-4514-2023-23-1-97-111 |
| Плазменно-пылевая система в марсианской ионосфере                                                                                                                                                                                                                     | Физика плазмы                                                                                        | 2023 |                                     |
| Манифест спасения массовой школы в России                                                                                                                                                                                                                             | ЭКО                                                                                                  | 2023 |                                     |
| Есть ли перспективы у новой реформы образования?                                                                                                                                                                                                                      | ЭКО                                                                                                  | 2023 |                                     |
| Динамика изменения состава отрицательных ионов вокруг гидрометеоров в грозовом облаке                                                                                                                                                                                 | Физика плазмы                                                                                        | 2023 |                                     |

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| Evolution of Negative Ion Composition near Hydrometeors in a Thundercloud                                                                                                                                                                  | Plasma Physics Reports                                                           | 2023 | 10.1134/S1063780X23601359       |
| COVID-19 Infection during Pregnancy: Disruptions in Lipid Metabolism and Implications for Newborn Health                                                                                                                                   | International Journal of Molecular Sciences                                      | 2023 | 10.3390/ijms241813787           |
| Synthesis, Structural and Sensor Properties of Nanosized Mixed Oxides Based on In2O3 Particles                                                                                                                                             | International Journal of Molecular Sciences                                      | 2023 | 10.3390/ijms24021570            |
| Thermoradiationally Modified Polytetrafluoroethylene as a Basis for Membrane Fabrication: Resistance to Hydrogen Penetration, the Effect of Ion Treatment on the Chemical Structure and Surface Morphology, Evaluation of the Track Radius | Membranes                                                                        | 2023 | 10.3390/membranes13010101       |
| Past COVID-19: The Impact on IVF Outcomes Based on Follicular Fluid Lipid Profile                                                                                                                                                          | International Journal of Molecular Sciences                                      | 2023 | 10.3390/ijms24010010            |
| Investigation of Methods to Decrease Proton Beam Depolarization while using an RF Spin-rotator                                                                                                                                             | Physics of Atomic Nuclei                                                         | 2023 | 10.1134/S1063778823110303       |
| Specific changes in amino acid profiles in monocytes of patients with breast, lung, colorectal and ovarian cancers                                                                                                                         | Frontiers in Immunology                                                          | 2023 | 10.3389/fimmu.2023.1332043      |
| $K^*(892)0$ and $\phi(1020)$ production in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV                                                                                                                                                     | Physical Review C                                                                | 2023 | 10.1103/PhysRevC.107.055201     |
| Constraining hadronization mechanisms with $\Lambda_c^+/D0$ production ratios in Pb–Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV                                                                                                              | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023 | 10.1016/j.physletb.2023.137796  |
| Inclusive quarkonium production in pp collisions at $\sqrt{s} = 5.02$ TeV                                                                                                                                                                  | European Physical Journal C                                                      | 2023 | 10.1140/epjc/s10052-022-10896-8 |
| Measurement of anti- $^3\text{He}$ nuclei absorption in matter and impact on their propagation in the Galaxy                                                                                                                               | Nature Physics                                                                   | 2023 | 10.1038/s41567-022-01804-8      |
| Probing the Hot QCD Matter via Quarkonia at the Next-Generation Heavy-Ion Experiment at LHC                                                                                                                                                | Particles                                                                        | 2023 | 10.3390/particles6020030        |
| Моделирование образования и регистрации состояний $\chi_{c1}$ в эксперименте Alice на большом адронном коллайдере                                                                                                                          | Ядерная физика и инжиниринг                                                      | 2023 |                                 |
| A measurement of the $K^0_S \rightarrow \pi^0 \mu^+ \mu^-$ decay (11, 2022)                                                                                                                                                                | J HIGH ENERGY PHYS                                                               | 2023 |                                 |
| Performance of the NA62 trigger system                                                                                                                                                                                                     | Journal of High Energy Physics                                                   | 2023 | 10.1007/JHEP03(2023)122         |
| Spin Coherence and Betatron Chromaticity of Deuteron Beam in “Quasi-Frozen” Spin Regime                                                                                                                                                    | Physics of Atomic Nuclei                                                         | 2023 | 10.1134/S106377882311025X       |
| Measurements of the $\nu_\mu$ and $\bar{\nu}_\mu$ -induced coherent charged pion production cross sections on C 12 by the T2K experiment                                                                                                   | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.108.092009     |
| Probing light exotics from a hidden sector at c- $\tau$ factories with polarized electron beams                                                                                                                                            | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.107.015014     |
| Designing Bypass Channels in NICA Accelerator Complex for Polarized Beam Experiments for EDM Search                                                                                                                                        | Physics of Atomic Nuclei                                                         | 2023 | 10.1134/S1063778823110248       |

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| Unifying Framework for Accelerated Randomized Methods in Convex Optimization                                                                                      | Springer Proceedings in Mathematics and Statistics                                                          | 2023 | 10.1007/978-3-031-30114-8_15           |
| Algorithm for Constrained Markov Decision Process with Linear Convergence                                                                                         | Proceedings of Machine Learning Research                                                                    | 2023 |                                        |
| ОПТИМАЛЬНОЕ РАЗДЕЛЕНИЕ ДАННЫХ В РАСПРЕДЕЛЕННОЙ ОПТИМИЗАЦИИ ДЛЯ МАШИННОГО ОБУЧЕНИЯ                                                                                 | Доклады Российской академии наук. Математика, информатика, процессы управления                              | 2023 |                                        |
| A Combinatorial View on Derivations in Bimodules                                                                                                                  | Advances in Systems Science and Applications                                                                | 2023 | 10.25728/assa.2023.23.2.1408           |
| Macroeconomic effects of the expected future decline in oil revenues for the Russian economy under capital control                                                | Voprosy Ekonomiki                                                                                           | 2023 | 10.32609/0042-8736-2023-4-5-28         |
| Some remarks on simplified double porosity model of immiscible incompressible two-phase flow                                                                      | Asymptotic Analysis                                                                                         | 2023 | 10.3233/ASY-231866                     |
| Piecewise Constant Functions in Dynamic Optimization Problems                                                                                                     | Advances in Systems Science and Applications                                                                | 2023 | 10.25728/assa.2023.23.01.1367          |
| Using feedback functions to solve parametric programming problems;<br>[Использование функций обратных связей для решения задач параметрического программирования] | Computer Research and Modeling                                                                              | 2023 | 10.20537/2076-7633-2023-15-5-1125-1151 |
| Low-Bit Quantization of Transformer for Audio Speech Recognition                                                                                                  | Studies in Computational Intelligence                                                                       | 2023 | 10.1007/978-3-031-19032-2_12           |
| К вопросу о формировании облаков в запыленной ионосфере Марса                                                                                                     | Письма в Журнал экспериментальной и теоретической физики                                                    | 2023 |                                        |
| ПОНДЕРОМОТОРНЫЕ СИЛЫ ПРИ ВЗАИМОДЕЙСТВИИ ЗАРЯЖЕННОЙ ЧАСТИЦЫ С НЕОДНОРОДНОЙ ЭЛЕКТРОМАГНИТНОЙ ВОЛНОЙ                                                                 | Доклады Российской академии наук. Физика, технические науки                                                 | 2023 |                                        |
| Compositions of Random Processes in a Hilbert Space and Its Limit Distribution                                                                                    | Lobachevskii Journal of Mathematics                                                                         | 2023 | 10.1134/S1995080223040212              |
| Estimates of Lebesgue constants for Lagrange interpolation processes by rational functions under mild restrictions to their fixed poles                           | Journal of Approximation Theory                                                                             | 2023 | 10.1016/j.jat.2023.105909              |
| ВЗАИМОДЕЙСТВИЕ ДВУХ ЗАРЯЖЕННЫХ ДИЭЛЕКТРИЧЕСКИХ ШАРОВ С ТОЧЕЧНЫМ ЗАРЯДОМ                                                                                           | Журнал экспериментальной и теоретической физики                                                             | 2023 |                                        |
| Numerical model of Earth ionosphere F region based on three-dimensional transport and ambipolar diffusion equationsa                                              | Russian Journal of Numerical Analysis and Mathematical Modelling                                            | 2023 | 10.1515/rnam-2023-0027                 |
| Программный комплекс "Интеграл" для моделирования космических группировок и космических аппаратов                                                                 | Космические аппараты и технологии                                                                           | 2023 |                                        |
| Функция влияния вариационной задачи                                                                                                                               | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                        |
| On Constructing Informationally Complete Covariant Positive Operator-Valued Measures                                                                              | Entropy                                                                                                     | 2023 | 10.3390/e25050783                      |

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| ОПТИМАЛЬНЫЙ АНАЛИЗ МЕТОДА С БАТЧИРОВАНИЕМ ДЛЯ СТОХАСТИЧЕСКИХ ВАРИАЦИОННЫХ НЕРАВЕНСТВ ВИДА КОНЕЧНОЙ СУММЫ                                        | Доклады Российской академии наук. Математика, информатика, процессы управления | 2023 |                                        |
| Introduction to Completely Geometrically Integrable Maps in High Dimensions                                                                     | Mathematics                                                                    | 2023 | 10.3390/math11040926                   |
| Ultrafast heat-assisted magnetization dynamics in a ferrimagnetic insulator                                                                     | Physical Review B                                                              | 2023 | 10.1103/PhysRevB.107.094424            |
| О кинетических особенностях седиментации пылевых частиц в атмосфере Марса                                                                       | Астрономический вестник. Исследования Солнечной системы                        | 2023 |                                        |
| Differential Calculi in Group Algebras and Group Ends                                                                                           | Mathematical Notes                                                             | 2023 | 10.1134/S0001434623070155              |
| Дифференциальные исчисления на групповых алгебрах и концы групп                                                                                 | Математические заметки                                                         | 2023 |                                        |
| ИСПОЛЬЗОВАНИЕ СРАВНЕНИЯ МОДЕЛЕЙ СОЛОУ И ХАРРОДА - ДОМАРА В СТРАТЕГИЧЕСКОМ МАКРОЭКОНОМИЧЕСКОМ ПЛАНИРОВАНИИ                                       | Экономика и управление: проблемы, решения                                      | 2023 |                                        |
| Nonuniqueness of Equilibrium in Closed Market Model                                                                                             | Advances in Systems Science and Applications                                   | 2023 | 10.25728/assa.2023.23.2.1421           |
| ОЦЕНКА ОБЛАСТИ ОДНОЛИСТНОСТИ НА КЛАССЕ ГОЛОМОРФНЫХ ОТОБРАЖЕНИЙ КРУГА В СЕБЯ С ДВУМЯ ГРАНИЧНЫМИ НЕПОДВИЖНЫМИ ТОЧКАМИ                             | Доклады Российской академии наук. Математика, информатика, процессы управления | 2023 |                                        |
| Региональные этапы Всероссийской олимпиады школьников по математике и олимпиады им. Л. Эйлера 2021/2022 учебного года (Второй день)             | Математика в школе                                                             | 2023 |                                        |
| A categorical approach to the study of derivations in group algebras; [Категорный подход к исследованию дифференцирований в групповых алгебрах] | Vestnik Rossiyskikh Universitetov. Matematika                                  | 2023 | 10.20310/2686-9667-2023-28-142-125-136 |
| On the Kinetic Features of Sedimentation of Dust Particles in the Martian Atmosphere                                                            | Solar System Research                                                          | 2023 | 10.1134/S0038094623020016              |
| Заключительный этап олимпиады "Физтех-2023" по математике. Часть 2                                                                              | Математика в школе                                                             | 2023 |                                        |
| ЗАКЛЮЧИТЕЛЬНЫЙ ЭТАП ОЛИМПИАДЫ "ФИЗТЕХ-2022" ПО МАТЕМАТИКЕ. ЧАСТЬ 2                                                                              | Математика в школе                                                             | 2023 |                                        |
| Построение разностного соотношения для алгоритма КБ-256                                                                                         | Прикладная дискретная математика. Приложение                                   | 2023 |                                        |
| Аффинный суперянг и квантовый группоид Вейля                                                                                                    | Теоретическая и математическая физика                                          | 2023 |                                        |
| МУНИЦИПАЛЬНЫЙ ЭТАП XLIX ВСЕРОССИЙСКОЙ ОЛИМПИАДЫ ШКОЛЬНИКОВ ПО МАТЕМАТИКЕ В МОСКОВСКОЙ ОБЛАСТИ                                                   | Математика в школе                                                             | 2023 |                                        |
| Ponderomotive Forces in the Interaction of a Charged Particle with an Inhomogeneous Electromagnetic Wave                                        | Doklady Physics                                                                | 2023 | 10.1134/S1028335823090033              |

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| Gradient-free Federated Learning Methods with I 1 and I 2-randomization for Non-smooth Convex Stochastic Optimization Problems                                                                            | Computational Mathematics and Mathematical Physics                                                                                   | 2023 | 10.1134/S0965542523090026         |
| Algorithms for Euclidean-Regularised Optimal Transport                                                                                                                                                    | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-47859-8_7       |
| Multistage Transportation Model and Sufficient Conditions for Its Potentiality                                                                                                                            | Doklady Mathematics                                                                                                                  | 2023 | 10.1134/S1064562423600860         |
| Adaptive Subgradient Methods for Mathematical Programming Problems with Quasiconvex Functions                                                                                                             | Proceedings of the Steklov Institute of Mathematics                                                                                  | 2023 | 10.1134/S0081543823060019         |
| Non-smooth setting of stochastic decentralized convex optimization problem over time-varying Graphs                                                                                                       | Computational Management Science                                                                                                     | 2023 | 10.1007/s10287-023-00479-7        |
| Online Optimization Problems with Functional Constraints Under Relative Lipschitz Continuity and Relative Strong Convexity Conditions                                                                     | Communications in Computer and Information Science                                                                                   | 2023 | 10.1007/978-3-031-43257-6_3       |
| Is Consensus Acceleration Possible in Decentralized Optimization over Slowly Time-Varying Networks?                                                                                                       | Proceedings of Machine Learning Research                                                                                             | 2023 |                                   |
| Optimal Analysis of Method with Batching for Monotone Stochastic Finite-Sum Variational Inequalities                                                                                                      | Doklady Mathematics                                                                                                                  | 2023 | 10.1134/S1064562423701582         |
| Stopping Rules for Gradient Methods for Non-convex Problems with Additive Noise in Gradient                                                                                                               | Journal of Optimization Theory and Applications                                                                                      | 2023 | 10.1007/s10957-023-02245-w        |
| Adaptive subgradient methods for mathematical programming problems with quasi-convex functions; [АДАПТИВНЫЕ СУБГРАДИЕНТНЫЕ МЕТОДЫ ДЛЯ ЗАДАЧ МАТЕМАТИЧЕСКОГО ПРОГРАММИРОВАНИЯ С КВАЗИВЫПУКЛЫМИ ФУНКЦИЯМИ1] | Trudy Instituta Matematiki i Mekhaniki UrO RAN                                                                                       | 2023 | 10.21538/0134-4889-2023-29-3-7-25 |
| Robust Algebraic Connectivity                                                                                                                                                                             | Programming and Computer Software                                                                                                    | 2023 | 10.1134/S0361768823060051         |
| Устойчивая алгебраическая связность                                                                                                                                                                       | Программирование                                                                                                                     | 2023 |                                   |
| Accelerated Zeroth-order Method for Non-Smooth Stochastic Convex Optimization Problem with Infinite Variance                                                                                              | ADV NEUR IN                                                                                                                          | 2023 |                                   |
| Унифицированный анализ методов решения вариационных неравенств: редукция дисперсии, сэмплирование, квантизация и покомпонентный спуск                                                                     | Журнал вычислительной математики и математической физики                                                                             | 2023 |                                   |
| High-Probability Bounds for Stochastic Optimization and Variational Inequalities: the Case of Unbounded Variance                                                                                          | Proceedings of Machine Learning Research                                                                                             | 2023 |                                   |
| Activations and Gradients Compression for Model-Parallel Training                                                                                                                                         | Doklady Mathematics                                                                                                                  | 2023 | 10.1134/S1064562423701314         |
| МИНИМАКСНАЯ ОПТИМИЗАЦИЯ НА МЕДЛЕННО МЕНЯЮЩИХСЯ ГРАФАХ                                                                                                                                                     | Доклады Российской академии наук. Математика, информатика, процессы управления                                                       | 2023 |                                   |

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| Zero-Order Stochastic Conditional Gradient Sliding Method for Non-smooth Convex Optimization                                                                                                                                                                   | Communications in Computer and Information Science                                                                                   | 2023 | 10.1007/978-3-031-43257-6_8          |
| SARAH-Based Variance-Reduced Algorithm for Stochastic Finite-Sum Cocoercive Variational Inequalities                                                                                                                                                           | Springer Optimization and Its Applications                                                                                           | 2023 | 10.1007/978-3-031-31654-8_3          |
| Optimal Data Splitting in Distributed Optimization for Machine Learning                                                                                                                                                                                        | Doklady Mathematics                                                                                                                  | 2023 | 10.1134/S1064562423701600            |
| Application of discrete multicriteria optimization methods for the digital predistortion model design; [Применение дискретных методов многокритериальной оптимизации для построения модели цифрового предискажения сигнала усилителя мощности базовой станции] | Computer Research and Modeling                                                                                                       | 2023 | 10.20537/2076-7633-2023-15-2-281-300 |
| Усвоение данных для двумерного уравнения амбиполярной диффузии в модели ионосферы земли                                                                                                                                                                        | Журнал вычислительной математики и математической физики                                                                             | 2023 |                                      |
| Полная симметрическая система Тоды: решение системы с помощью метода QR-разложения                                                                                                                                                                             | Функциональный анализ и его приложения                                                                                               | 2023 |                                      |
| AVERAGING OF RANDOM AFFINE TRANSFORMATIONS OF FUNCTIONS DOMAIN                                                                                                                                                                                                 | Ufa Mathematical Journal                                                                                                             | 2023 | 10.13108/2023-15-2-55                |
| Ramified continua as global attractors of $C^1$ -smooth self-maps of a cylinder close to skew products                                                                                                                                                         | Journal of Difference Equations and Applications                                                                                     | 2023 | 10.1080/10236198.2023.2204144        |
| О слабых решениях граничных задач для некоторых общих дифференциальных уравнений                                                                                                                                                                               | Известия Российской академии наук. Серия математическая                                                                              | 2023 |                                      |
| Analysis of Import Substitution Processes Taking into Account Industry Specifics in the Regional Economy                                                                                                                                                       | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-47859-8_20         |
| Quantum and classical field scattered on a single two-level system                                                                                                                                                                                             | Physical Review A                                                                                                                    | 2023 | 10.1103/PhysRevA.108.033723          |
| Compact Superconducting Microwave Resonators Based on Al-AlO <sub>x</sub> -Al Capacitors                                                                                                                                                                       | Physical Review Applied                                                                                                              | 2023 | 10.1103/PhysRevApplied.19.044067     |
| Development of a Method for Isolation of Mature Cardiomyocytes from Human Heart Biopsy Specimens                                                                                                                                                               | Bulletin of Experimental Biology and Medicine                                                                                        | 2023 | 10.1007/s10517-023-05907-x           |
| Rh(III)-Catalyzed [4+2]-Annulation of Indoles: Access to Functionalized Pyrimidoindolones Containing $\alpha$ -Amino Acid Framework                                                                                                                            | Asian Journal of Organic Chemistry                                                                                                   | 2023 | 10.1002/ajoc.202200485               |
| Формирование подзатворных диэлектриков различной толщины с использованием радикального окисления                                                                                                                                                               | Электронная техника. Серия 3: Микроэлектроника                                                                                       | 2023 |                                      |
| Active acoustic and deformation investigation of hydraulic fracture opening in poroelastic model material                                                                                                                                                      | Neftyanoe Khozyaystvo - Oil Industry                                                                                                 | 2023 | 10.24887/0028-2448-2023-11-100-103   |
| Concurrent Active Acoustic and Deformation Monitoring of a Hydraulic Fracture in Laboratory Experiments                                                                                                                                                        | Izvestiya, Physics of the Solid Earth                                                                                                | 2023 |                                      |

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| Machine Learning Models for Approximating Downward Short-Wave Radiation Flux over the Ocean from All-Sky Optical Imagery Based on DASIO Dataset | Remote Sensing                                                          | 2023 | 10.3390/rs15071720           |
| Bio-optical model for conditions of intense coccolithophore bloom in the Black Sea                                                              | Proceedings of SPIE - The International Society for Optical Engineering | 2023 | 10.1117/12.2692656           |
| Properties of Short-Period Internal Waves in the Kara Gates Strait Revealed from Spaceborne SAR Data                                            | Russian Journal of Earth Sciences                                       | 2023 | 10.2205/2023ES02SI10         |
| Исследования взаимодействия трещины гидроразрыва с протяженным нарушением массива в лабораторных экспериментах                                  | Геофизика                                                               | 2023 |                              |
| ENSO and PDO Effect on Stratospheric Dynamics in Isca Numerical Experiments                                                                     | Atmosphere                                                              | 2023 | 10.3390/atmos14030459        |
| Investigation of the Relationships between the Parameters of Lidar Echo Signals and Hydrooptical Characteristics in the Western Kara Sea        | Oceanology                                                              | 2023 | 10.1134/S0001437023070044    |
| Results of Hydrooptical Field Studies in the Barents and Kara Seas in September 2022                                                            | Springer Proceedings in Earth and Environmental Sciences                | 2023 | 10.1007/978-3-031-47851-2_53 |
| Совместный акустический и деформационный мониторинг трещины гидроразрыва в лабораторном эксперименте                                            | Физика Земли                                                            | 2023 |                              |
| Расчет параметров каналов передачи информации КА ДЗЗ, использующих перспективную бортовую аппаратуру                                            | Ракетно-космическое приборостроение и информационные системы            | 2023 |                              |
| ГИДРАВЛИЧЕСКИЕ СВОЙСТВА РАЗЛОМНЫХ ЗОН ПРИПОВЕРХНОСТНОЙ ЧАСТИ ЗЕМНОЙ КОРЫ - МЕТОДЫ И РЕЗУЛЬТАТЫ ИССЛЕДОВАНИЙ. СОСТОЯНИЕ ВОПРОСА                  | Динамические процессы в геосферах                                       | 2023 |                              |
| SMAP Sea Surface Salinity Improvement in the Arctic Region Using Machine Learning Approaches                                                    | Moscow University Physics Bulletin                                      | 2023 | 10.3103/S0027134923070299    |
| Response of the Tropospheric Dynamics to Extreme States of the Stratospheric Polar Vortex during ENSO Phases in Idealized Model Experiments     | Izvestiya - Atmospheric and Ocean Physics                               | 2023 | 10.1134/S0001433823060130    |
| Влияние угла скольжения и работы воздушных винтов на концах крыла на индуктивное сопротивление                                                  | Письма в Журнал технической физики                                      | 2023 |                              |
| Concurrent Active Acoustic and Deformation Monitoring of a Hydraulic Fracture in Laboratory Experiments                                         | Izvestiya, Physics of the Solid Earth                                   | 2023 | 10.1134/S1069351323030138    |
| АВТОМОДЕЛЬНОЕ РЕШЕНИЕ ДЛЯ ЗАДАЧИ НЕСТАЦИОНАРНОЙ ПЛЕНОЧНОЙ КОНДЕНСАЦИИ НА ПОЛУБЕСКОНЕЧНОЙ ВЕРТИКАЛЬНОЙ ПЛАСТИНЕ                                  | Известия Российской академии наук. Механика жидкости и газа             | 2023 |                              |
| Interaction of Acoustic Disturbances with the Flat-Plate Supersonic Boundary Layer                                                              | Fluid Dynamics                                                          | 2023 | 10.1134/S0015462822602340    |

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| Bio-optical and hydrological characteristics of the waters of Blagopoluchiya Bay in the late autumn season                                                | Proceedings of SPIE - The International Society for Optical Engineering | 2023 | 10.1117/12.2692955             |
| Aerosol contribution to the radiance of the atmosphere-ocean system: validation of the linear-in-aerosol-optical-thickness model                          | Proceedings of SPIE - The International Society for Optical Engineering | 2023 | 10.1117/12.2692799             |
| Intense zonal freshwater transport in the Eurasian Arctic during ice-covered season revealed by in situ measurements                                      | Scientific Reports                                                      | 2023 | 10.1038/s41598-023-43524-w     |
| Multi-Sensor Observations Reveal Large-Amplitude Nonlinear Internal Waves in the Kara Gates, Arctic Ocean                                                 | Remote Sensing                                                          | 2023 | 10.3390/rs15245769             |
| Structure of the Ob-Yenisei plume in the Kara Sea shortly before autumn ice formation                                                                     | Frontiers in Marine Science                                             | 2023 | 10.3389/fmars.2023.1129331     |
| Deck Spectroradiometer for Measuring Remote Sensing Reflectance                                                                                           | Oceanology                                                              | 2023 | 10.1134/S0001437023070147      |
| Obtaining Wind Waves Parameters Using Ship Radar                                                                                                          | Oceanology                                                              | 2023 | 10.1134/S0001437023070032      |
| Постановка задачи управления автономным надводным судном для внутренних водных путей                                                                      | Мир транспорта                                                          | 2023 |                                |
| Cryo Plasma Etching of Porous Low-k Dielectrics                                                                                                           | High Energy Chemistry                                                   | 2023 | 10.1134/S0018143923070275      |
| Remote Plasma Physics Research and Teaching by Example of Turbulence Study at the University-Scale Tokamak GOLEM                                          | Fusion Science and Technology                                           | 2023 | 10.1080/15361055.2022.2148842  |
| Observation of $e^+e^- \rightarrow \pi^0 \pi^0 \psi(3823)$                                                                                                | Journal of High Energy Physics                                          | 2023 | 10.1007/JHEP02(2023)171        |
| Interaction of Platinum Nanoparticles Synthesized on Graphite with Nitrous Oxide                                                                          | Colloid Journal                                                         | 2023 | 10.1134/S1061933X23600392      |
| Measurement of $e^+e^- \rightarrow \phi \eta'$ cross sections at center-of-mass energies between 3.508 and 4.600 GeV                                      | Physical Review D                                                       | 2023 | 10.1103/PhysRevD.107.072003    |
| Evidence for the $\eta_c(2S) \rightarrow \pi^+\pi^-\eta$ decay                                                                                            | Physical Review D                                                       | 2023 | 10.1103/PhysRevD.107.052007    |
| Search for a scalar partner of the $X(3872)$ via $\psi(3770)$ decays into $\gamma\eta\eta'$ and $\gamma\pi^+\pi^-\psi$                                    | Physical Review D                                                       | 2023 | 10.1103/PhysRevD.108.052012    |
| Study of $\Lambda_c^+ \rightarrow \Lambda\mu^+\nu_\mu$ and test of lepton flavor universality with $\Lambda_c^+ \rightarrow \Lambda\ell^+\nu_\ell$ decays | Physical Review D                                                       | 2023 | 10.1103/PhysRevD.108.L031105   |
| Measurement of $e^+e^- \rightarrow p\bar{K}^-\Lambda^- + c. c.$ cross sections between 4.009 GeV and 4.951 GeV                                            | Journal of High Energy Physics                                          | 2023 | 10.1007/JHEP12(2023)027        |
| Production of the doubly charged $\Delta$ baryon in $e^+e^-$ annihilation at energies from 2.3094 to 2.6464 GeV                                           | Physical Review D                                                       | 2023 | 10.1103/PhysRevD.108.072010    |
| Observation of $\psi(3686) \rightarrow \Lambda\Lambda^-\eta'$ decay                                                                                       | Physical Review D                                                       | 2023 | 10.1103/PhysRevD.108.112014    |
| Measurements of the branching fractions of the inclusive decays $D^0(D^+) \rightarrow \pi^+\pi^+\pi^-X$                                                   | Physical Review D                                                       | 2023 | 10.1103/PhysRevD.107.032002    |
| Observation of a Vector Charmoniumlike State at 4.7 GeV/c <sup>2</sup> and Search for $Z_{cs}$ in $e^+e^- \rightarrow k^+K^-J/\psi$                       | Physical Review Letters                                                 | 2023 | 10.1103/PhysRevLett.131.211902 |
| Measurement of the cross section of (Formula Presented.) at center-of-mass energies between 3.510 and 4.843 GeV                                           | Journal of High Energy Physics                                          | 2023 | 10.1007/JHEP11(2023)228        |

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| Effect of Meteorological Parameters on the Cosmic Muon Flux Studied Using the Effective Generation Level Method with the DANSS Detector Data | JETP Letters                                             | 2023 | 10.1134/S0021364023602166       |
| Microplotter Printing of Co3O4 Films as Receptor Component of Hydrogen Sulfide-Sensitive Gas Sensors                                         | Chemosensors                                             | 2023 | 10.3390/chemosensors11030166    |
| Spectrofluorimetric changes in the lens after intravitreal injections of brolocizumab                                                        | Vestnik Oftalmologii                                     | 2023 | 10.17116/oftalma202313906141    |
| Search for tri-nucleon decays of $^{76}\text{Ge}$ in GERDA                                                                                   | European Physical Journal C                              | 2023 | 10.1140/epjc/s10052-023-11862-8 |
| Role of sesquiterpenes in biogenic new particle formation                                                                                    | SCI ADV                                                  | 2023 |                                 |
| Fine Structure of the $3T_1(3H) \rightarrow 5E(5D)$ Transition in the $\text{Fe}^{2+}$ Ion in Iron-Doped Zinc Selenide                       | JETP Letters                                             | 2023 | 10.1134/S002136402260272X       |
| Structural, optical and transport properties of layered europium disulfide synthesized under high pressure                                   | CrystEngComm                                             | 2023 | 10.1039/d2ce01647h              |
| Влияние эффектов электронного конфайнмента на ширину запрещенной зоны почти монокристаллических слоев $\text{EuS}_2$                         | Письма в Журнал экспериментальной и теоретической физики | 2023 |                                 |
| Observation of Individual (Quantum) Emitters Formed by Different Types of Dislocation Cores in Cadmium Telluride Films                       | Bulletin of the Lebedev Physics Institute                | 2023 | 10.3103/S1068335623020070       |
| Thermo-Optical Bistability in a Compact High-Q Cavity at a Wavelength of 1550 nm                                                             | Bulletin of the Lebedev Physics Institute                | 2023 | 10.3103/S1068335623090075       |
| Тонкая структура перехода $3T_1(3H) \rightarrow 5E(5D)$ иона $\text{Fe}^{2+}$ в селениде цинка                                               | Письма в Журнал экспериментальной и теоретической физики | 2023 |                                 |
| НАБЛЮДЕНИЕ ОДИНОЧНЫХ ЛЮМИНЕСЦЕНТНЫХ ЦЕНТРОВ, СФОРМИРОВАННЫХ РАЗЛИЧНЫМИ ТИПАМИ ДИСЛОКАЦИОННЫХ ЯДЕР В ПЛЁНКАХ ТЕЛЛУРИДА КАДМИЯ                 | Краткие сообщения по физике ФИАН                         | 2023 |                                 |
| Influence of Electron Confinement Effects on the Band Gap of Almost Monatomic $\text{EuS}_2$ Layers                                          | JETP Letters                                             | 2023 | 10.1134/S0021364023602191       |
| Carbon nanotube thread as a material for flexible microwave absorbers                                                                        | Journal of Electromagnetic Waves and Applications        | 2023 | 10.1080/09205071.2023.2204405   |
| Investigation of the parameters of optical radiation reflected from the multimode fiber Bragg grating                                        | AIP Conference Proceedings                               | 2023 | 10.1063/5.0163422               |
| Оксидные мемристоры для ReRAM: подходы, характеристики, структуры                                                                            | Микроэлектроника                                         | 2023 |                                 |
| Малогобаритный радиоэлектронный цифровой модуль для построения нодальной сейсмической системы, взаимодействующей с БПЛА                      | Журнал радиоэлектроники                                  | 2023 |                                 |
| Numerical method for solving the forward kinematics to control the Gough-Stewart platform                                                    | AIP Conference Proceedings                               | 2023 | 10.1063/5.0111959               |

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| Self-Similar Solution to the Problem of Unsteady Film Condensation on a Vertical Semi-Infinite Plate                                                                     | Fluid Dynamics                                                                  | 2023 | 10.1134/S001546282360195X       |
| Повышение эффективности радиолонии космических аппаратов дистанционного зондирования Земли                                                                               | Вестник Российского университета дружбы народов. Серия: Инженерные исследования | 2023 |                                 |
| Methods of Identifying Atmospheric Mesoscale Coherent Structures Over the North Atlantic                                                                                 | Oceanology                                                                      | 2023 | 10.1134/S000143702307007X       |
| Sea Ice as a Factor of Primary Production in the European Arctic: Phytoplankton Size Classes and Carbon Fluxes                                                           | Journal of Marine Science and Engineering                                       | 2023 | 10.3390/jmse11112131            |
| Estimating Cloud Base Height From All-Sky Imagery Using Artificial Neural Networks                                                                                       | Moscow University Physics Bulletin                                              | 2023 | 10.3103/S0027134923070020       |
| Modeling the remote sensing reflectance spectra taking into account the absorption of phycoerythrin                                                                      | Proceedings of SPIE - The International Society for Optical Engineering         | 2023 | 10.1117/12.2692573              |
| Experimental models of human cortical malformations: from mammals to 'acortical' zebrafish                                                                               | Neuroscience and Biobehavioral Reviews                                          | 2023 | 10.1016/j.neubiorev.2023.105429 |
| Machine Learning for Simulation of Urban Heat Island Dynamics Based on Large-Scale Meteorological Conditions                                                             | Climate                                                                         | 2023 | 10.3390/cli11100200             |
| Diffusion approximation for the Integrated Cavity Absorption Meter                                                                                                       | Proceedings of SPIE - The International Society for Optical Engineering         | 2023 | 10.1117/12.2692821              |
| Phytoplankton of the High-Latitude Arctic: Intensive Growth Large Diatoms Porosira glacialis in the Nansen Basin                                                         | Journal of Marine Science and Engineering                                       | 2023 | 10.3390/jmse11020453            |
| Light Absorption by Optically Active Components in the Arctic Region (August 2020) and the Possibility of Application to Satellite Products for Water Quality Assessment | Remote Sensing                                                                  | 2023 | 10.3390/rs15174346              |
| Улучшение точности прогноза состояния Мирового океана за счет оптимального расположения измерителей                                                                      | Russian Journal of Earth Sciences                                               | 2023 |                                 |
| Main directions of hydrooptical research at the Shirshov Institute of Oceanology                                                                                         | Proceedings of SPIE - The International Society for Optical Engineering         | 2023 | 10.1117/12.2692797              |
| Client-Server Application for Automated Estimation of Bottom Sediment Composition in the Fraction >0.1 mm from Microphotography Using Modern Deep Learning Methods       | Moscow University Physics Bulletin                                              | 2023 | 10.3103/S0027134923070093       |
| Improvement of the AI-Based Estimation of Significant Wave Height Based on Preliminary Training on Synthetic X-Band Radar Sea Clutter Images                             | Moscow University Physics Bulletin                                              | 2023 | 10.3103/S0027134923070275       |
| Regional Algorithm of Quantitative Assessment of Cyanobacteria Blooms in the Eastern Part of the Gulf of Finland Using Satellite Ocean Color Data                        | Journal of Marine Science and Engineering                                       | 2023 | 10.3390/jmse11091746            |
| Differences in the Fate of Surface and Subsurface Microplastics: A Case Study in the Central Atlantic                                                                    | Journal of Marine Science and Engineering                                       | 2023 | 10.3390/jmse11010210            |

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| An Overview of the Special Issue on Seawater Bio-Optical Characteristics from Satellite Ocean Color Data                                                                          | Remote Sensing                                                                                                                       | 2023 | 10.3390/rs15041094           |
| Индукцированные выпадения электронов из внутреннего радиационного пояса, зарегистрированные в Океании                                                                             | Геомагнетизм и аэронавигация                                                                                                         | 2023 |                              |
| Global Ocean Forecast Accuracy Improvement Due to Optimal Sensor Placement; [Улучшение точности прогноза состояния Мирового океана за счет оптимального расположения измерителей] | Russian Journal of Earth Sciences                                                                                                    | 2023 | 10.2205/2023es000883         |
| Предварительные результаты лабораторных исследований эволюции нефронных вихрей в двуслойной вращающейся жидкости                                                                  | Океанологические исследования                                                                                                        | 2023 |                              |
| Estimating Significant Wave Height from X-Band Navigation Radar Using Convolutional Neural Networks                                                                               | Moscow University Physics Bulletin                                                                                                   | 2023 | 10.3103/S0027134923070159    |
| Towards the Accurate Automatic Detection of Mesoscale Convective Systems in Remote Sensing Data: From Data Mining to Deep Learning Models and Their Applications                  | Remote Sensing                                                                                                                       | 2023 | 10.3390/rs15143493           |
| Regional Algorithm for Estimating High Coccolithophore Concentration in the Northeastern Part of the Black Sea                                                                    | Remote Sensing                                                                                                                       | 2023 | 10.3390/rs15092219           |
| Calculation of the remote sensing reflectance based on the total upwelling radiance measured from the 'Optik' Tu-134 aircraft laboratory                                          | Proceedings of SPIE - The International Society for Optical Engineering                                                              | 2023 | 10.1117/12.2692729           |
| Reduced Precision Computations in the SL-AV Global Atmosphere Model                                                                                                               | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-49432-1_15 |
| Multiresolution approximation for shallow water equations using summation-by-parts finite differences                                                                             | Russian Journal of Numerical Analysis and Mathematical Modelling                                                                     | 2023 | 10.1515/rnam-2023-0030       |
| Parahydrogen-Induced Hyperpolarization of Unsaturated Phosphoric Acid Derivatives                                                                                                 | International Journal of Molecular Sciences                                                                                          | 2023 | 10.3390/ijms24010557         |
| ЭКСПЕРИМЕНТАЛЬНОЕ ИССЛЕДОВАНИЕ И СКВОЗНОЕ МОДЕЛИРОВАНИЕ МИНИАТЮРНОГО ЛИНЕЙНОГО УСКОРИТЕЛЯ                                                                                         | Materials. Technologies. Design                                                                                                      | 2023 |                              |
| Темплатный синтез трехъядерного комплекса кобальта(III) с лигандами на основе диариллимидазолов: синтез и свойства                                                                | Координационная химия                                                                                                                | 2023 |                              |
| Numerical Simulation of a Light Field Structure in an Integrating Sphere via the Monte Carlo Method                                                                               | Photonics                                                                                                                            | 2023 | 10.3390/photonics10050593    |
| Automatic Detection of Acoustic Signals of Beluga Whales and Bottlenose Dolphins                                                                                                  | Moscow University Physics Bulletin                                                                                                   | 2023 | 10.3103/S0027134923070305    |
| Induced Electron Precipitations from the Inner Radiation Belt Registered in Oceania                                                                                               | Geomagnetism and Aeronomy                                                                                                            | 2023 | 10.1134/S0016793223600546    |

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| Investigation of shear-induced platelet activation in arteriovenous fistulas for haemodialysis; [Исследование гидродинамической активации тромбоцитов в артериовенозных фистулах для гемодиализа] | Computer Research and Modeling                                                                       | 2023 | 10.20537/2076-7633-2023-15-3-703-721 |
| Novel method for measuring non-stationary pitch and roll angles with a pendulous accelerometer in the presence of vibrations                                                                      | Measurement: Journal of the International Measurement Confederation                                  | 2023 | 10.1016/j.measurement.2023.113724    |
| LIDAR RESEARCH DURING THE FIRST STAGE OF THE 89th CRUISE OF THE R/V 'ACADEMIC MSTISLAV KELDYSH'; [ЛИДАРНЫЕ ИССЛЕДОВАНИЯ В ПЕРВОМ ЭТАПЕ 89-ГО РЕЙСА НИС «АКАДЕМИК МСТИСЛАВ КЕЛДЫШ»]                | Fundamental and Applied Hydrophysics                                                                 | 2023 | 10.59887/2073-6673.2023.16(4)-9      |
| ВЗАИМОДЕЙСТВИЕ АКУСТИЧЕСКИХ ВОЗМУЩЕНИЙ СО СВЕРХЗВУКОВЫМ ПОГРАНИЧНЫМ СЛОЕМ НА ПЛОСКОЙ ПЛАСТИНЕ                                                                                                     | Известия Российской академии наук. Механика жидкости и газа                                          | 2023 |                                      |
| Численные исследования влияния угла скольжения на интерференцию воздушного винта и крыла сверхбольшого удлинения                                                                                  | Вестник Московского авиационного института                                                           | 2023 |                                      |
| Summation-by-parts finite-difference shallow water model on the cubed-sphere grid. Part I: Non-staggered grid                                                                                     | Journal of Computational Physics                                                                     | 2023 | 10.1016/j.jcp.2022.111797            |
| On one approach for the numerical solving of hyperbolic initial-boundary problems on an adaptive moving grids                                                                                     | Journal of Computational and Applied Mathematics                                                     | 2023 | 10.1016/j.cam.2022.114884            |
| Universal Approach to Analysis of Dissipation Properties of a Numerical Method for Solving Gas Dynamic Equations                                                                                  | Computational Mathematics and Mathematical Physics                                                   | 2023 | 10.1134/S0965542523090063            |
| Sources of Turbulence on an Unswept Wing of a Supersonic Passenger Airplane                                                                                                                       | Mathematical Models and Computer Simulations                                                         | 2023 | 10.1134/S2070048223020035            |
| Calculation of rolling stock movement along the railway track by the grid-characteristic method                                                                                                   | Radioelektronika, Nanosistemy, Informacionnye Tehnologii                                             | 2023 | 10.17725/rensit.2023.15.193          |
| Numerical Simulation of the Interaction of a Mach Wave and a Boundary Layer on a Flat Plate                                                                                                       | High Temperature                                                                                     | 2023 | 10.1134/S0018151X23050036            |
| Численное моделирование взаимодействия волны Маха и пограничного слоя на плоской пластине                                                                                                         | Теплофизика высоких температур                                                                       | 2023 |                                      |
| The study of the stress-strain state of an elastically supported compressed strip; [Исследование напряженно-деформированного состояния упругоподкрепленной сжатой полосы]                         | Vestnik Samarskogo Gosudarstvennogo Tekhnicheskogo Universiteta, Seriya Fiziko-Matematicheskie Nauki | 2023 | 10.14498/vsgtu1990                   |
| On Models of Meteoroid Fragmentation in the Atmosphere                                                                                                                                            | Fluid Dynamics                                                                                       | 2023 | 10.1134/S0015462823600086            |
| Concrete Autoencoder for the Reconstruction of Sea Temperature Field from Sparse Measurements †                                                                                                   | Journal of Marine Science and Engineering                                                            | 2023 | 10.3390/jmse11020404                 |
| On Numerical Beamforming for Correlated Dipole-Type Sources                                                                                                                                       | Computational Mathematics and Mathematical Physics                                                   | 2023 | 10.1134/S0965542523110131            |

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| Bicompact schemes for the HOLO algorithm for joint solution of the transport equation and the energy equation; [Бикомпактные схемы для HOLO-алгоритма решения уравнения переноса излучения совместно с уравнением энергии] | Computer Research and Modeling                              | 2023 | 10.20537/2076-7633-2023-15-6-1429-1448 |
| ВЛИЯНИЕ ВЫДУВА И ОТСОСА ГАЗА НА НЕУСТОЙЧИВОСТЬ СВЕРХЗВУКОВОГО ПОГРАНИЧНОГО СЛОЯ                                                                                                                                            | Известия Российской академии наук. Механика жидкости и газа | 2023 |                                        |
| On Numerical Beamforming for Correlated Dipole Type Sources                                                                                                                                                                | Журнал вычислительной математики и математической физики    | 2023 |                                        |
| ЭФФЕКТ ДОПОЛНИТЕЛЬНОГО УСИЛЕНИЯ АМПЛИТУДЫ ГКР СПЕКТРОВ МИОГЛОБИНА, ОСАЖДЕННОГО ПОД ВОЗДЕЙСТВИЕМ УЛЬТРАЗВУКА НА ПРЕДВАРИТЕЛЬНО НАНОСТРУКТУРИРОВАННУЮ ПОВЕРХНОСТЬ ПЛЕНОК AG                                                  | Современная электродинамика                                 | 2023 |                                        |
| Универсальный подход к анализу диссипативных свойств численного метода решения уравнений газодинамики                                                                                                                      | Журнал вычислительной математики и математической физики    | 2023 |                                        |
| Низкотемпературное радикальное ISSG окисление кремния                                                                                                                                                                      | Электронная техника. Серия 3: Микроэлектроника              | 2023 |                                        |
| Исследование возможности переноса насыщения в новом комплексе никеля(II) с 2,6-бис(пиразол-3-ил)пиридином                                                                                                                  | Координационная химия                                       | 2023 |                                        |
| Детекторы пламени на основе полупроводниковых нанокристаллов                                                                                                                                                               | Химия высоких энергий                                       | 2023 |                                        |
| Effect of Domain Structure and Dielectric Interlayer on Switching Speed of Ferroelectric Hf0.5Zr0.5O2 Film                                                                                                                 | Nanomaterials                                               | 2023 | 10.3390/nano13233063                   |
| Управление свойствами магнитоупругих волн в слоистых антиферромагнитных гетероструктурах                                                                                                                                   | Физика твердого тела                                        | 2023 |                                        |
| Generation of New Aerosol Particles and Their Evolution in Atmospheric Air: Results of Experiments in a Large Aerosol Chamber of RPA Typhoon                                                                               | Atmospheric and Oceanic Optics                              | 2023 | 10.1134/S1024856024010111              |
| Measurement of the absolute branching fraction of the inclusive decay $\Lambda^- \rightarrow n^- + X$                                                                                                                      | Physical Review D                                           | 2023 | 10.1103/PhysRevD.108.L031101           |
| Search for baryon and lepton number violating decays of $\Xi^0$ hyperons                                                                                                                                                   | Physical Review D                                           | 2023 | 10.1103/PhysRevD.108.012006            |
| Investigation of Fluorocarbon Film Deposition from Ar/CF4/H2 Plasma for the Implementation of the Atomic Layer Etching Process                                                                                             | High Energy Chemistry                                       | 2023 | 10.1134/S0018143923070238              |
| Deep Learning for Arrival Angle Prediction in the Baikal Neutrino Telescope                                                                                                                                                | Moscow University Physics Bulletin                          | 2023 | 10.3103/S0027134923070214              |
| Identifying Cetacean Mammals in High-Resolution Optical Imagery Using Anomaly Detection Approach Employing Machine Learning Models                                                                                         | Moscow University Physics Bulletin                          | 2023 | 10.3103/S0027134923070147              |
| Анализ текстов сообществ социальных сетей                                                                                                                                                                                  | Успехи кибернетики                                          | 2023 |                                        |

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| МАШИННОЕ ОБУЧЕНИЕ В ПРОБЛЕМЕ ТЕХНИЧЕСКОГО ДОЛГА ПРОГРАММНОГО ОБЕСПЕЧЕНИЯ                                                                                                                          | Известия Российской академии наук. Теория и системы управления                                           | 2023 |                               |
| АНАЛИЗ ПОДХОДОВ К ОПТИМИЗАЦИИ ЗАПРОСОВ В АНАЛИТИЧЕСКИХ СУБД                                                                                                                                       | Образовательные ресурсы и технологии                                                                     | 2023 |                               |
| Modeling of Local Hematocrit for Blood Flow in Stenotic Coronary Vessels                                                                                                                          | Fluids                                                                                                   | 2023 | 10.3390/fluids8080230         |
| PC Kz - новая модель рака предстательной железы человека in vitro и in vivo                                                                                                                       | Российский онкологический журнал                                                                         | 2023 |                               |
| Seasonal Hydrodynamic Forecasts Using the INM-CM5 Model for Estimating the Beginning of Birch Pollen Dispersion                                                                                   | Izvestiya - Atmospheric and Ocean Physics                                                                | 2023 | 10.1134/S0001433823040059     |
| Single-molecule AFM study of hyaluronic acid softening in electrolyte solutions                                                                                                                   | Carbohydrate Polymers                                                                                    | 2023 | 10.1016/j.carbpol.2022.120472 |
| Analysis of the Atmosphere and the Ocean Upper Layer State Predictability for up to 5 Years Ahead Using the INMCM5 Climate Model Hindcasts                                                        | Russian Meteorology and Hydrology                                                                        | 2023 | 10.3103/S106837392307004X     |
| Assessment of Changes in the Temperature Regime of Northern Eurasia for the Next Five Years According to the INM RAS Earth System Model Forecasts and Their Possible Consequences for Agriculture | Russian Meteorology and Hydrology                                                                        | 2023 | 10.3103/S1068373923090029     |
| Generation of the Ground Detector Readings of the Telescope Array Experiment and the Search for Anomalies Using Neural Networks                                                                   | Moscow University Physics Bulletin                                                                       | 2023 | 10.3103/S0027134923070068     |
| Fine-Tuning Multimodal Transformer Models for Generating Actions in Virtual and Real Environments                                                                                                 | IEEE Access                                                                                              | 2023 | 10.1109/ACCESS.2023.3334791   |
| Stable Enzymatic Nanoparticles from Nucleases, Proteases, Lipase and Antioxidant Proteins with Substrate-Binding and Catalytic Properties                                                         | International Journal of Molecular Sciences                                                              | 2023 | 10.3390/ijms24033043          |
| Neural Network Approaches for Recommender Systems                                                                                                                                                 | Journal of Computer and Systems Sciences International                                                   | 2023 | 10.1134/S1064230723060126     |
| A study of graph neural networks for link prediction on vulnerability to membership attacks                                                                                                       | Записки научных семинаров Санкт-Петербургского отделения математического института им. В.А. Стеклова РАН | 2023 |                               |
| Is This Loss Informative? Faster Text-to-Image Customization by Tracking Objective Dynamics                                                                                                       | ADV NEUR IN                                                                                              | 2023 |                               |
| Neuron-by-Neuron Quantization for Efficient Low-Bit QNN Training                                                                                                                                  | Mathematics                                                                                              | 2023 | 10.3390/math11092112          |
| Структура данных и основанные на ней алгоритмы факторизации натуральных чисел в заданном диапазоне                                                                                                | Приборы и системы. Управление, контроль, диагностика                                                     | 2023 |                               |
| Устаревание конфигурации RIS в изменяющемся со временем окружении                                                                                                                                 | Информационные процессы                                                                                  | 2023 |                               |

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| Анализ предсказуемости состояния атмосферы и верхнего слоя океана на срок до 5 лет с помощью ретроспективных прогнозов модели климата INMCM5 | Метеорология и гидрология                                                                                                            | 2023 |                              |
| ОЦЕНКА ПЛАНОВ ВЫПОЛНЕНИЯ SQL ЗАПРОСОВ ДЛЯ РЕШЕНИЯ ТРАНСПОРТНЫХ ЗАДАЧ                                                                         | Наука и технологии железных дорог                                                                                                    | 2023 |                              |
| On Obtaining Initial Approximation for the Full Wave Inversion Problem Using Convolutional Neural Network                                    | Doklady Mathematics                                                                                                                  | 2023 | 10.1134/S1064562423700928    |
| Attractor Properties of Spatiotemporal Memory in Effective Sequence Processing Task                                                          | Optical Memory and Neural Networks (Information Optics)                                                                              | 2023 | 10.3103/S1060992X23060097    |
| ВЛИЯНИЕ РЕОЛОГИЧЕСКИХ СВОЙСТВ КРОВИ НА ФОРМИРОВАНИЕ РЕЦИРКУЛЯЦИОННЫХ ЗОН ВБЛИЗИ СТЕНОЗА КОРОНАРНОЙ АРТЕРИИ                                   | Математическое моделирование в естественных науках                                                                                   | 2023 |                              |
| An algorithm of blood typing using serological plate images                                                                                  | Computer Optics                                                                                                                      | 2023 | 10.18287/2412-6179-CO-1339   |
| Traversing the FFT Computation Tree for Dimension-Independent Sparse Fourier Transforms                                                      | Disc Algorithms                                                                                                                      | 2023 |                              |
| Network Modeling of Murine Lymphatic System                                                                                                  | Algorithms                                                                                                                           | 2023 | 10.3390/a16030168            |
| Novel Molecular Vehicle-Based Approach for Cardiac Cell Transplantation Leads to Rapid Electromechanical Graft–Host Coupling                 | International Journal of Molecular Sciences                                                                                          | 2023 | 10.3390/ijms241210406        |
| НЕЙРОСЕТЕВЫЕ ПОДХОДЫ ДЛЯ РЕКОМЕНДАТЕЛЬНЫХ СИСТЕМ                                                                                             | Известия Российской академии наук. Теория и системы управления                                                                       | 2023 |                              |
| Observation of the decay $\chi_{cJ} \rightarrow \omega \gamma \pi^+ \pi^-$                                                                   | Physical Review D                                                                                                                    | 2023 | 10.1103/PhysRevD.107.092004  |
| Localization of the geological layer boundaries using the reverse time migration method                                                      | Radioelektronika, Nanosistemy, Informacionnye Tehnologii                                                                             | 2023 | 10.17725/RENSIT.2023.15.433  |
| Особенности управления состоянием мобильности абонентов в сети спутниковой связи на основе космических аппаратов на геостационарной орбите   | Наукоемкие технологии                                                                                                                | 2023 |                              |
| Inertial rotational diffusion and magnetic relaxation of the spin system in a strong magnetic field                                          | Physical Review B                                                                                                                    | 2023 | 10.1103/PhysRevB.107.174426  |
| Energy Efficiency of Heat Supply as Part of the Build Environment                                                                            | AIP Conference Proceedings                                                                                                           | 2023 | 10.1063/5.0143598            |
| Model-Based Policy Optimization with Neural Differential Equations for Robotic Arm Control                                                   | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-43111-1_23 |
| Послойная дистилляция знаний для обучения упрощенных биполярных морфологических нейронных сетей                                              | Информационные технологии и вычислительные системы                                                                                   | 2023 |                              |
| Быстрая оптическая идентификация гемолиза и липемии в образцах сыворотки крови: компьютерное зрение и спектроскопия диффузного отражения     | Оптика и спектроскопия                                                                                                               | 2023 |                              |

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| Interval pattern structures for interpreting K-nearest neighbor approach in lazy classification                                        | CEUR Workshop Proceedings                                                                                                            | 2023 |                                      |
| Ensemble-based statistical verification of INM RAS Earth system model                                                                  | Russian Journal of Numerical Analysis and Mathematical Modelling                                                                     | 2023 | 10.1515/rnam-2023-0014               |
| Long-Term Hail Risk Assessment with Deep Neural Networks                                                                               | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-43085-5_23         |
| Способ решение уравнений 4-й степени с помощью симметрии                                                                               | Математическое образование                                                                                                           | 2023 |                                      |
| Boundary and Contact Conditions of Higher Order of Accuracy for Grid-Characteristic Schemes in Acoustic Problems                       | Computational Mathematics and Mathematical Physics                                                                                   | 2023 | 10.1134/S096554252310010X            |
| Application of Machine Learning Methods in Baikal-GVD: Background Noise Rejection and Selection of Neutrino-Induced Events             | Moscow University Physics Bulletin                                                                                                   | 2023 | 10.3103/S0027134923070226            |
| Application of Machine Learning Methods in the Baikal-GVD Experiment                                                                   | Physics of Atomic Nuclei                                                                                                             | 2023 | 10.1134/S1063778823090107            |
| Continuum model of fractured media in direct and inverse seismic problems                                                              | Continuum Mechanics and Thermodynamics                                                                                               | 2023 | 10.1007/s00161-022-01149-w           |
| Прогнозирование посещаемости кафе методами машинного обучения                                                                          | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                          | 2023 |                                      |
| Screen recapture detection based on color-texture analysis of document boundary regions                                                | Computer Optics                                                                                                                      | 2023 | 10.18287/2412-6179-CO-1237           |
| Transport modeling: averaging price matrices; [Транспортное моделирование: усреднение ценовых матриц]                                  | Computer Research and Modeling                                                                                                       | 2023 | 10.20537/2076-7633-2023-15-2-317-327 |
| Approach to Estimating the Dynamics of the Industry Consolidation Level; [Подход к оценке динамики уровня консолидированности отрасли] | Computer Research and Modeling                                                                                                       | 2023 | 10.20537/2076-7633-2023-15-1-129-140 |
| Obtaining Vortex Formation in Blood Flow by Particle Tracking: Echo-PV Methods and Computer Simulation                                 | Inventions                                                                                                                           | 2023 | 10.3390/inventions8050124            |
| Stabilize Sequential Data Representation via Attraction Module                                                                         | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-43075-6_8          |
| From tomographic reconstruction to automatic text recognition - the next frontier task for the artificial intelligence                 | Proceedings of SPIE - The International Society for Optical Engineering                                                              | 2023 | 10.1117/12.2680132                   |
| A World Model for Actor–Critic in Reinforcement Learning                                                                               | Pattern Recognition and Image Analysis                                                                                               | 2023 | 10.1134/S1054661823030379            |
| Features of DNA–Montmorillonite Binding Visualized by Atomic Force Microscopy                                                          | International Journal of Molecular Sciences                                                                                          | 2023 | 10.3390/ijms24129827                 |

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| PESAC, the Generalized Framework for RANSAC-Based Methods on SIMD Computing Platforms                                                                                            | IEEE Access                                                                                                 | 2023 | 10.1109/ACCESS.2023.3301777    |
| Извлечение именованных сущностей из рецензий к исходному коду                                                                                                                    | Труды Института системного программирования РАН                                                             | 2023 |                                |
| Развитие автономных систем искусственного интеллекта для управления корпорациями                                                                                                 | Искусственные общества                                                                                      | 2023 |                                |
| Melting Ice Structure Mechanical Sustainability Numerical Study                                                                                                                  | Springer Proceedings in Earth and Environmental Sciences                                                    | 2023 | 10.1007/978-3-031-25962-3_14   |
| Анализ нейросетевых моделей для решения задачи дезагрегации энергии в промышленных объектах и домохозяйствах                                                                     | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                |
| РАСЧЕТ ДОБРОТНОСТИ МИКРО-КОЛЬЦЕВОГО РЕЗОНАТОРА: СРАВНЕНИЕ ЭКСПЕРИМЕНТАЛЬНЫХ И МОДЕЛЬНЫХ ОЦЕНОК                                                                                   | Фотон-экспресс                                                                                              | 2023 |                                |
| Analysis and Optimization of Output Operations in the INM RAS Earth System Model                                                                                                 | Supercomputing Frontiers and Innovations                                                                    | 2023 | 10.14529/jsfi230405            |
| Оценка изменений температурного режима в Северной Евразии на предстоящее пятилетие по прогнозам модели земной системы ИВМ РАН и их возможных последствий для сельского хозяйства | Метеорология и гидрология                                                                                   | 2023 |                                |
| First direct measurement of the absolute branching fraction of $\zeta^+ \rightarrow \Lambda e^+ \nu_e$                                                                           | Physical Review D                                                                                           | 2023 | 10.1103/PhysRevD.107.072010    |
| Measurement of the cross sections for $e^+e^- \rightarrow \eta\pi^+\pi^-$ at center-of-mass energies between 2.00 and 3.08 GeV                                                   | Physical Review D                                                                                           | 2023 | 10.1103/PhysRevD.108.L111101   |
| Measurement of branching fractions of $\Lambda_c^+$ decays to $\Sigma^+K^+K^-$ , $\Sigma^+\phi$ and $\Sigma^+K^+\pi^-(\pi^0)$                                                    | Journal of High Energy Physics                                                                              | 2023 | 10.1007/JHEP09(2023)125        |
| Measurement of the branching fraction of $D_s^+ \rightarrow \tau^+ \nu_\tau$ via $\tau^+ \rightarrow \mu^+ \nu_\mu \nu_\tau^*$                                                   | Journal of High Energy Physics                                                                              | 2023 | 10.1007/JHEP09(2023)124        |
| First Experimental Study of the Purely Leptonic Decay $D_s^{*+} \rightarrow e^+ \nu_e$                                                                                           | Physical Review Letters                                                                                     | 2023 | 10.1103/PhysRevLett.131.141802 |
| Study of the $e^+e^- \rightarrow \pi^+\pi^-\omega$ process at center-of-mass energies between 4.0 and 4.6 GeV                                                                    | Journal of High Energy Physics                                                                              | 2023 | 10.1007/JHEP08(2023)159        |
| Study of $\eta(1405)/\eta(1475)$ in $J/\psi \rightarrow \gamma K_S^0 K_S^0 \pi^0$ decay                                                                                          | Journal of High Energy Physics                                                                              | 2023 | 10.1007/JHEP03(2023)121        |
| Determination of Spin-Parity Quantum Numbers for the Narrow Structure near the $p\Lambda^-$ Threshold in $e^+e^- \rightarrow pK^-\Lambda^- + c.c.$                               | Physical Review Letters                                                                                     | 2023 | 10.1103/PhysRevLett.131.151901 |
| Precision measurement of the matrix elements for $\eta \rightarrow \pi^+\pi^-\pi^0$ and $\eta \rightarrow \pi^0\pi^0\pi^0$ decays                                                | Physical Review D                                                                                           | 2023 | 10.1103/PhysRevD.107.092007    |
| Precision Measurement of the Decay $\zeta^+ \rightarrow p\gamma$ in the Process $J/\psi \rightarrow \zeta^+ \zeta^-$                                                             | Physical Review Letters                                                                                     | 2023 | 10.1103/PhysRevLett.130.211901 |
| Lattice Study of the Equation of State of a Rotating Gluon Plasma                                                                                                                | JETP Letters                                                                                                | 2023 | 10.1134/S0021364023600830      |

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| Cross-section measurements of $e^+e^- \rightarrow \phi K^+K^-$ and $e^+e^- \rightarrow \phi K_S^0 K_S^0$ at center-of-mass energies between 3.7730 GeV and 4.7008 GeV                    | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.108.032004    |
| Search for the lepton flavor violating decay $J/\psi \rightarrow e\mu$                                                                                                                   | Science China: Physics, Mechanics and Astronomy                                  | 2023 | 10.1007/s11433-022-1995-0      |
| Improved measurement of the branching fractions of the inclusive decays $D^+ \rightarrow K_S^0 X$ and $D^0 \rightarrow K_S^0 X$                                                          | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.107.112005    |
| Measurement of $e^+e^- \rightarrow \phi\pi^+\pi^-$ cross sections at center-of-mass energies from 2.00 to 3.08 GeV                                                                       | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.108.032011    |
| Observation of the decay $D_s^+ \rightarrow \omega\pi^+\eta$                                                                                                                             | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.107.052010    |
| Measurement of $e^+e^- \rightarrow \Lambda \Lambda^- \eta$ from 3.5106 to 4.6988 GeV and study of $\Lambda \Lambda^-$ mass threshold enhancement                                         | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.107.112001    |
| Measurement of branching fraction of $D_s^{*+} \rightarrow D_s^+ \pi^0$ relative to $D_s^{*+} \rightarrow D_s^+ \gamma$                                                                  | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.107.032011    |
| Observation of $e^+e^- \rightarrow p\bar{p}n^-\pi^- + c.c.*$                                                                                                                             | Chinese Physics C                                                                | 2023 | 10.1088/1674-1137/acb6eb       |
| Search for the weak decay $\psi(3686) \rightarrow \Lambda^+ c \Sigma^- + c.c.$                                                                                                           | Chinese Physics C                                                                | 2023 | 10.1088/1674-1137/ac9895       |
| Measurements of Normalized Differential Cross Sections of Inclusive $\pi^0$ and $K_S^0$ Production in $e^+e^-$ Annihilation at Energies from 2.2324 to 3.6710 GeV                        | Physical Review Letters                                                          | 2023 | 10.1103/PhysRevLett.130.231901 |
| Measurements of the absolute branching fractions of $\omega^-$ Decays and test of the $\Delta I=1/2$ rule                                                                                | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.108.L091101   |
| Measurement of $e^+e^- \rightarrow \phi\eta'$ cross sections at center-of-mass energies from 3.508 to 4.951 GeV and search for the decay $\psi(3770) \rightarrow \phi\eta'$              | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.108.052015    |
| Measurement of the absolute branching fraction of the inclusive decay $D_s^+ \rightarrow \pi^+\pi^+\pi^-X$                                                                               | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.108.032001    |
| Measurement of $\Lambda$ transverse polarization in $e^+e^-$ collisions at $\sqrt{s} = 3.68 - 3.71$ GeV                                                                                  | Journal of High Energy Physics                                                   | 2023 | 10.1007/JHEP10(2023)081        |
| Influence of Relativistic Rotation on QCD Properties                                                                                                                                     | Physics of Atomic Nuclei                                                         | 2023 | 10.1134/S1063778824010150      |
| Tests of CP symmetry in entangled $\Xi^0-\Xi^0$ pairs                                                                                                                                    | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.108.L031106   |
| Erratum to: Search for new hadronic decays of $h_c$ and observation of $h_c \rightarrow p\bar{p} \eta$ (Journal of High Energy Physics, (2022), 2022, 5, (108), 10.1007/JHEP05(2022)108) | Journal of High Energy Physics                                                   | 2023 | 10.1007/JHEP03(2023)022        |
| Observation of $\psi(3770) \rightarrow \eta J/\psi$                                                                                                                                      | Physical Review D                                                                | 2023 | 10.1103/PhysRevD.107.L091101   |
| Search for an axion-like particle in radiative $J/\psi$ decays                                                                                                                           | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023 | 10.1016/j.physletb.2023.137698 |
| Two Methods for the Implicit Integration of Stiff Reaction Systems                                                                                                                       | Computational Methods in Applied Mathematics                                     | 2023 | 10.1515/cmam-2022-0083         |
| Impact of Loss Functions on the Training of LiDAR-based Place Recognition Models                                                                                                         | Lecture Notes in Networks and Systems                                            | 2023 | 10.1007/978-3-031-43789-2_13   |

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| Алгоритм построения структуры данных факторизации натуральных чисел и оценка его асимптотической сложности                                                       | Приборы и системы. Управление, контроль, диагностика                                                                                    | 2023 |                                  |
| Линейные квазимонотонные и гибридные сеточно-характеристические схемы для численного решения задач линейной акустики                                             | Сибирский журнал вычислительной математики                                                                                              | 2023 |                                  |
| A Resource Allocation Algorithm for a History-Aware Frame Graph                                                                                                  | Journal of WSCG                                                                                                                         | 2023 | 10.24132/JWSCG.2023.7            |
| Методы внутренней мотивации в задачах обучения с подкреплением на основе модели                                                                                  | Искусственный интеллект и принятие решений                                                                                              | 2023 |                                  |
| О ПОИСКЕ НАЧАЛЬНОГО ПРИБЛИЖЕНИЯ В ЗАДАЧЕ ВОЛНОВОЙ ИНВЕРСИИ С ПОМОЩЬЮ СВЕРТОЧНЫХ НЕЙРОННЫХ СЕТЕЙ                                                                  | Доклады Российской академии наук. Математика, информатика, процессы управления                                                          | 2023 |                                  |
| Machine Learning for Software Technical Debt Detection                                                                                                           | Journal of Computer and Systems Sciences International                                                                                  | 2023 | 10.1134/S106423072304007X        |
| STRL-Robotics: интеллектуальное управление поведением робототехнической платформы в человеко-ориентированной среде                                               | Искусственный интеллект и принятие решений                                                                                              | 2023 |                                  |
| Coevolution of Opinions and Ties in a Social Network: A Differential Equations Approach                                                                          | Proceedings - 2023 5th International Conference on Control Systems, Mathematical Modeling, Automation and Energy Efficiency, SUMMA 2023 | 2023 | 10.1109/SUMMA60232.2023.10349579 |
| Layer-by-Layer Knowledge Distillation for Training Simplified Bipolar Morphological Neural Networks                                                              | Programming and Computer Software                                                                                                       | 2023 | 10.1134/S0361768823100080        |
| Linear Quasi-Monotone and Hybrid Grid-Characteristic Schemes for the Numerical Solution of Linear Acoustic Problems <sup>1</sup>                                 | Numerical Analysis and Applications                                                                                                     | 2023 | 10.1134/S1995423923020027        |
| Learning Adaptive Parking Maneuvers for Self-driving Cars                                                                                                        | Lecture Notes in Networks and Systems                                                                                                   | 2023 | 10.1007/978-3-031-19620-1_27     |
| Influence of Neural Network Receptive Field on Monocular Depth and Ego-Motion Estimation                                                                         | Optical Memory and Neural Networks (Information Optics)                                                                                 | 2023 | 10.3103/S1060992X23060103        |
| Precise measurement of the branching fractions of $J/\psi \rightarrow \Lambda^- \pi^+ \zeta^- + c. c.$ and $J/\psi \rightarrow \Lambda^- \pi^- \zeta^{++} c. c.$ | Physical Review D                                                                                                                       | 2023 | 10.1103/PhysRevD.108.112012      |
| Scalability of the INM RAS Earth System Model                                                                                                                    | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)    | 2023 | 10.1007/978-3-031-49432-1_16     |
| Вынужденные колебания ледяных дисков при ударе                                                                                                                   | Многофазные системы                                                                                                                     | 2023 |                                  |
| Fast Computation of RFD-Like Descriptors in Four Orientations                                                                                                    | IEEE Access                                                                                                                             | 2023 | 10.1109/ACCESS.2023.3249100      |
| Tomographic Reconstruction: General Approach to Fast Back-Projection Algorithms                                                                                  | Mathematics                                                                                                                             | 2023 | 10.3390/math11234759             |
| Combining Gradient Optimization and Machine Learning Methods for Inverse Problems in Layered Heterogeneous Media                                                 | Lobachevskii Journal of Mathematics                                                                                                     | 2023 | 10.1134/S1995080223010377        |
| Linear, Quasi-Monotonic and Hybrid Grid-Characteristic Schemes for Hyperbolic Equations                                                                          | Lobachevskii Journal of Mathematics                                                                                                     | 2023 | 10.1134/S1995080223010146        |

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| О построении нейронных сетей для решения задачи дезагрегации данных о потреблении электроэнергии в домохозяйствах                                                                                                                                                              | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                      |
| Использование сезонных гидродинамических прогнозов модели INM-CM5 для оценки сроков начала пыления березы                                                                                                                                                                      | Известия Российской академии наук. Физика атмосферы и океана                                                | 2023 |                                      |
| Measurement of the branching fraction for the decay $\psi(3686) \rightarrow \phi K_S K_S$                                                                                                                                                                                      | Physical Review D                                                                                           | 2023 | 10.1103/PhysRevD.108.052001          |
| Erratum to: Measurement of $e^+e^- \rightarrow \omega\pi^+\pi^-$ cross section at $s = 2.000$ to $3.080$ GeV (Journal of High Energy Physics, (2023), 2023, 1, (111), 10.1007/JHEP01(2023)111)                                                                                 | Journal of High Energy Physics                                                                              | 2023 | 10.1007/JHEP03(2023)093              |
| Measurement of $e^+e^- \rightarrow \omega\pi^+\pi^-$ cross section at $\sqrt{s} = 2.000$ to $3.080$ GeV                                                                                                                                                                        | Journal of High Energy Physics                                                                              | 2023 | 10.1007/JHEP01(2023)111              |
| Observation of the $\psi(3686)$ decays into $\zeta^+\zeta^-$ and $\zeta^+\zeta^-\phi$                                                                                                                                                                                          | Physical Review D                                                                                           | 2023 | 10.1103/PhysRevD.108.092011          |
| MODELING OF OPTICAL DEVIATIONS IN INDENTER-OBJECTIVE IMAGES FOR COMBINED IN-SITU RESEARCH OF MECHANICAL PROPERTIES;<br>[МОДЕЛИРОВАНИЕ ОПТИЧЕСКИХ ОТКЛОНЕНИЙ В ИЗОБРАЖЕНИЯХ, ПОЛУЧАЕМЫХ ЧЕРЕЗ ИНДЕНТОР-ОБЪЕКТИВ, ДЛЯ КОМБИНИРОВАННЫХ ИССЛЕДОВАНИЙ МЕХАНИЧЕСКИХ СВОЙСТВ IN-SITU] | ChemChemTech                                                                                                | 2023 | 10.6060/ivkkt.20236610.10y           |
| Caramel UHF RFID Sensors for Pest Monitoring                                                                                                                                                                                                                                   | IEEE Journal of Radio Frequency Identification                                                              | 2023 | 10.1109/JRFID.2023.3334431           |
| Тонкие пленки клатрохелата кобальта(II) для устройств молекулярной спинтроники                                                                                                                                                                                                 | Координационная химия                                                                                       | 2023 |                                      |
| Molecular Dynamics Simulation of Diisopropyl Ether Using Various Interatomic Potentials                                                                                                                                                                                        | Russian Journal of Physical Chemistry A                                                                     | 2023 | 10.1134/S0036024423060092            |
| Gradient-Free Algorithms for Solving Stochastic Saddle Optimization Problems with the Polyak–Łojasiewicz Condition                                                                                                                                                             | Programming and Computer Software                                                                           | 2023 | 10.1134/S0361768823060063            |
| БЕЗГРАДИЕНТНЫЕ АЛГОРИТМЫ ДЛЯ РЕШЕНИЯ СТОХАСТИЧЕСКИХ СЕДЛОВЫХ ЗАДАЧ ОПТИМИЗАЦИИ С УСЛОВИЕМ ПОЛЯКА–ЛОЯСИЕВИЧА                                                                                                                                                                    | Программирование                                                                                            | 2023 |                                      |
| The model of two-level intergroup competition; [Модель двухуровневой межгрупповой конкуренции]                                                                                                                                                                                 | Computer Research and Modeling                                                                              | 2023 | 10.20537/2076-7633-2023-15-2-355-368 |
| Reducing the Energy Consumption of the Transmitting Active Phased Antenna Array of a Low-Orbit Communications Satellite with a “Jumping” Beam                                                                                                                                  | Journal of Communications Technology and Electronics                                                        | 2023 | 10.1134/S1064226923080016            |
| Некоторые особенности рассеяния плоской электромагнитной волны на плоской магнитодиэлектрической пластине                                                                                                                                                                      | Радиотехника и электроника                                                                                  | 2023 |                                      |

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| Self-Sufficient Modification of the Method of Boundary Integral Equations for Analysis of Electromagnetic Scattering on PEC Cylinders                                         | Conference Proceedings - 2023 Radiation and Scattering of Electromagnetic Waves, RSEMW 2023 | 2023 | 10.1109/RSEMW58451.2023.10202091 |
| Some Features of Scattering of a Plane Electromagnetic Wave on a Plane Magnetodielectric Plate                                                                                | Journal of Communications Technology and Electronics                                        | 2023 | 10.1134/S1064226923080041        |
| Применение гибридного проекционного метода для анализа поглощающих периодических структур со сферическими элементами типа электромагнитных черных дыр                         | Радиотехника и электроника                                                                  | 2023 |                                  |
| ВЗГЛЯД ТЕОРИИ АКТИВНЫХ СИСТЕМ НА УПРАВЛЕНИЕ ШКОЛОЙ. КАК ДИРЕКТОРУ ПРАВИЛЬНО РАСПРЕДЕЛИТЬ ИМЕЮЩИЕСЯ РЕСУРСЫ                                                                    | Вестник ГОУ ДПО ТО "ИПК и ППРО ТО". Тульское образовательное пространство                   | 2023 |                                  |
| Нахождение квазистохастического представления квантовых цепочек с минимальной негативностью                                                                                   | Физическое образование в ВУЗах                                                              | 2023 |                                  |
| History and Perspectives of Atomistic Simulation of Polysaccharides                                                                                                           | Polymer Science - Series C                                                                  | 2023 | 10.1134/S1811238223700285        |
| Исследование регенеративной системы охлаждения при использовании суспензии наночастиц теплопроводного металла в н-декане                                                      | Теплофизика и аэромеханика                                                                  | 2023 |                                  |
| Unsteady pressure measurement in the presence of a cavity between the sensor and the flow                                                                                     | Sensors and Actuators A: Physical                                                           | 2023 | 10.1016/j.sna.2022.114095        |
| Исследование тензометрического динамометра для измерения силы трения пограничного слоя на стенках аэродинамических труб                                                       | Измерительная техника                                                                       | 2023 |                                  |
| Strain gauge dynamometer for measuring the boundary layer friction force on the walls of wind tunnels                                                                         | Measurement Techniques                                                                      | 2023 | 10.1007/s11018-023-02251-4       |
| Semi-Empirical Satellite-to-Ground Quantum Key Distribution Model for Realistic Receivers                                                                                     | ENTROPY-SWITZ                                                                               | 2023 |                                  |
| Superfluid transition in quasi-two-dimensional disordered dipolar Fermi gases; [Transition superfluide dans des gaz de fermions dipolaires désordonnés quasi bidimensionnels] | Comptes Rendus Physique                                                                     | 2023 | 10.5802/crphys.158               |
| Recent advances in laser self-injection locking to high-Q microresonators                                                                                                     | Frontiers of Physics                                                                        | 2023 | 10.1007/s11467-022-1245-3        |
| Experimental Study of Squeezed States Generation Optimal Regimes in Dual-pumped On-chip Microresonators                                                                       | Quantum 2.0: Proceedings Optica Quantum 2.0 Conference and Exhibition                       | 2023 | 10.1364/QUANTUM.2023.QTh2A.3     |
| Optimization of laser stabilization via self-injection locking to a whispering-gallery-mode microresonator: experimental study                                                | Optics Express                                                                              | 2023 | 10.1364/OE.478009                |
| Disordered impenetrable two-component fermions in one dimension                                                                                                               | Physical Review B                                                                           | 2023 | 10.1103/PhysRevB.107.184202      |

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| Point Defect Model for the kinetics of oxide film growth on the surface of T91 steel in contact with lead–bismuth eutectic                       | Corrosion Science                                                | 2023 | 10.1016/j.corsci.2022.110829      |
| Polarons and Charge Transfer in FeCr2O4 Chromite Treated by the DFT + U Method                                                                   | JETP Letters                                                     | 2023 | 10.1134/S0021364023601288         |
| Steels classification by machine learning and Calphad methods                                                                                    | Calphad: Computer Coupling of Phase Diagrams and Thermochemistry | 2023 | 10.1016/j.calphad.2023.102587     |
| Теоретические и вычислительные подходы к предсказанию вязкости жидкостей                                                                         | Успехи физических наук                                           | 2023 |                                   |
| ИСТОРИЯ И ПЕРСПЕКТИВЫ АТОМИСТИЧЕСКОГО МОДЕЛИРОВАНИЯ ПОЛИСАХАРИДОВ                                                                                | Высокомолекулярные соединения. Серия С                           | 2023 |                                   |
| Exciton Nature of Plasma Phase Transition in Warm Dense Fluid Hydrogen: ROKS Simulation**                                                        | ChemPhysChem                                                     | 2023 | 10.1002/cphc.202200730            |
| First-principles calculations of the viscosity in multicomponent metallic melts: Al-Cu-Ni as a test case                                         | Journal of Molecular Liquids                                     | 2023 | 10.1016/j.molliq.2023.121751      |
| Best possible bounds on the number of distinct differences in intersecting families                                                              | European Journal of Combinatorics                                | 2023 | 10.1016/j.ejc.2022.103601         |
| Radiation-Induced Premature Senescence of Tumor Cells                                                                                            | Medical Radiology and Radiation Safety                           | 2023 | 10.33266/1024-6177-2023-68-2-5-10 |
| Minimum number of partial triangulations                                                                                                         | European Journal of Combinatorics                                | 2023 | 10.1016/j.ejc.2022.103636         |
| ИЗУЧЕНИЕ ИСТОЧНИКОВ $D^{+}$ МЕЗОНОВ НА ДАННЫХ ЭКСПЕРИМЕНТА CMS                                                                                   | Краткие сообщения по физике ФИАН                                 | 2023 |                                   |
| Molecular scale roughness effects on electric double layer structure in asymmetric ionic liquids                                                 | Electrochimica Acta                                              | 2023 | 10.1016/j.electacta.2023.142261   |
| Application of Optimization Algorithms for Solving Marine Seismic Survey Planning Problems with Bottom Stations in the Arctic Shelf              | Izvestiya, Physics of the Solid Earth                            | 2023 | 10.1134/S1069351323060253         |
| The 2- and 3-point surface correlation functions calculations: From novel exact continuous approach to improving methodology for discrete images | Physica A: Statistical Mechanics and its Applications            | 2023 | 10.1016/j.physa.2023.129137       |
| Mechanical Model of a Space Elevator. Statics                                                                                                    | Russian Aeronautics                                              | 2023 | 10.3103/S1068799823030030         |
| Determination of Dissipative Characteristics for Solving Problems of Dynamic Loading of Elastic Structures Using a Modal Approach                | Mechanics of Solids                                              | 2023 | 10.3103/S0025654422600854         |
| ОПРЕДЕЛЕНИЕ ДИССИПАТИВНЫХ ХАРАКТЕРИСТИК ДЛЯ РЕШЕНИЯ ЗАДАЧ ДИНАМИЧЕСКОГО НАГРУЖЕНИЯ УПРУГИХ КОНСТРУКЦИЙ С ПРИМЕНЕНИЕМ МОДАЛЬНОГО ПОДХОДА          | Известия Российской академии наук. Механика твердого тела        | 2023 |                                   |
| The Past and Future of East Asia to Italy: Nearly Global VLBI                                                                                    | Galaxies                                                         | 2023 | 10.3390/galaxies11020049          |

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| Изучение возможных фоновых процессов для поиска тяжелого нейтрино в распаде $D^0 \rightarrow \pi^+ \pi^- \pi^0$ - $B^0 \rightarrow \pi^+ \pi^- \pi^0$ на данных эксперимента CMS           | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                 |
| ТЕРМООПТИЧЕСКАЯ БИСТАБИЛЬНОСТЬ В КОМПАКТНОМ ВЫСОКОДОБРОТНОМ РЕЗОНАТОРЕ НА ДЛИНЕ ВОЛНЫ 1550 НМ                                                                                              | Краткие сообщения по физике ФИАН                                                                            | 2023 |                                 |
| Erratum: Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV (The European Physical Journal C, (2018), 78, 6, (509), 10.1140/epjc/s10052-018-5950-6) | European Physical Journal C                                                                                 | 2023 | 10.1140/epjc/s10052-023-11272-w |
| Analytical Approximations of the Characteristics of Nighttime Hydroxyl on Mars and Intra-Annual Variations                                                                                 | Solar System Research                                                                                       | 2023 | 10.1134/S0038094623010057       |
| Аналитические приближения характеристик ночного гидроксила на Марсе и внутригодовые вариации                                                                                               | Астрономический вестник. Исследования Солнечной системы                                                     | 2023 |                                 |
| Observation of triple $J/\psi$ meson production in proton-proton collisions                                                                                                                | Nature Physics                                                                                              | 2023 | 10.1038/s41567-022-01838-y      |
| Self-organized structures in thin films of phase-change material upon femtosecond laser excitation: From periodic ordering to ablation                                                     | Applied Surface Science                                                                                     | 2023 | 10.1016/j.apsusc.2023.157122    |
| Odd-distance and right-equidistant sets in the maximum and Manhattan metrics                                                                                                               | EUR J COMBIN                                                                                                | 2023 |                                 |
| Анализ планарных поглощающих периодических структур, образованных сферическими магнето-диэлектрическими черными дырами                                                                     | Радиотехника                                                                                                | 2023 |                                 |
| Уменьшение энергопотребления передающей активной фазированной антенной решетки низкоорбитального спутника связи с “прыгающим” лучом                                                        | Радиотехника и электроника                                                                                  | 2023 |                                 |
| Application of the Hybrid Projection Method for Analysis of Absorbing Periodic Structures with Spherical Elements of Electromagnetic Black Hole Type                                       | Journal of Communications Technology and Electronics                                                        | 2023 | 10.1134/S1064226923010047       |
| Снижение бокового и заднего излучения антенн с помощью гофрированной поверхности                                                                                                           | Радиотехника                                                                                                | 2023 |                                 |
| Self-Sufficient Algorithm of the Method of Surface Integral Equations in the Problems of Electromagnetic Scattering by Magneto-dielectric Cylinders                                        | Lobachevskii Journal of Mathematics                                                                         | 2023 | 10.1134/S1995080223110069       |
| Uniform intersecting families with large covering number                                                                                                                                   | European Journal of Combinatorics                                                                           | 2023 | 10.1016/j.ejc.2023.103747       |
| Rainbow version of the Erdős matching conjecture via concentration                                                                                                                         | Combinatorial Theory                                                                                        | 2023 | 10.5070/C63160414               |

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| Nearly k-Distance Sets                                                                                                                                                   | Discrete and Computational Geometry                | 2023 | 10.1007/s00454-023-00489-x           |
| Erdős matching conjecture for almost perfect matchings                                                                                                                   | Discrete Mathematics                               | 2023 | 10.1016/j.disc.2022.113304           |
| Octopuses in the Boolean cube: Families with pairwise small intersections, part I                                                                                        | Journal of Combinatorial Theory. Series B          | 2023 | 10.1016/j.jctb.2023.05.003           |
| Influence of the mantissa finiteness on the accuracy of gradient-free optimization methods; [Влияние конечности мантиссы на точность безградиентных методов оптимизации] | Computer Research and Modeling                     | 2023 | 10.20537/2076-7633-2023-15-2-259-280 |
| Perfect matchings in down-sets                                                                                                                                           | Discrete Mathematics                               | 2023 | 10.1016/j.disc.2023.113323           |
| Distances in Higher-Order Networks and the Metric Structure of Hypergraphs                                                                                               | Entropy                                            | 2023 | 10.3390/e25060923                    |
| Simplified atomistic based kinetic model for swelling prediction                                                                                                         | Journal of Nuclear Materials                       | 2023 | 10.1016/j.jnucmat.2023.154640        |
| Erratum: Systematic derivation of angular-averaged Ewald potential (J. Phys. A: Math. Theor. (2022) 55 (385202) DOI: 10.1088/1751-8121/ac870b)                           | Journal of Physics A: Mathematical and Theoretical | 2023 | 10.1088/1751-8121/acb5d5             |
| RadioAstron Space VLBI Imaging of the Jet in M87. I. Detection of High Brightness Temperature at 22 GHz                                                                  | Astrophysical Journal                              | 2023 | 10.3847/1538-4357/accf17             |
| Atomistic model of an oxide film in contact with a liquid metal coolant: Defects concentrations and chemical potentials of dissolved Fe–O                                | Computational Materials Science                    | 2023 | 10.1016/j.commatsci.2023.112061      |
| A wide-range semiclassical self-consistent average atom model                                                                                                            | Physics of Plasmas                                 | 2023 | 10.1063/5.0130872                    |
| Молекулярно-динамическое исследование диизопропилового эфира: вязкость и растворимость                                                                                   | Вестник Объединенного института высоких температур | 2023 |                                      |
| Study of a regenerative cooling system while using heat-conductive metal nanoparticle suspension in n-decane                                                             | Thermophysics and Aeromechanics                    | 2023 | 10.1134/S0869864323050104            |
| Integrating Proteomics and Lipidomics for Evaluating the Risk of Breast Cancer Progression: A Pilot Study                                                                | Biomedicines                                       | 2023 | 10.3390/biomedicines11071786         |
| Transplacental Therapeutic Drug Monitoring in Pregnant Women with Fetal Tachyarrhythmia Using HPLC-MS/MS                                                                 | International Journal of Molecular Sciences        | 2023 | 10.3390/ijms24031848                 |
| Vibrational Spectra of Confined Brownian Particles with Nonreciprocal Effective Interactions                                                                             | Plasma Physics Reports                             | 2023 | 10.1134/S1063780X22601511            |
| Спектры колебаний броуновских частиц в ловушке с эффективным нарушением симметрии межчастичного взаимодействия                                                           | Физика плазмы                                      | 2023 |                                      |
| АКТИВНОЕ БРОУНОВСКОЕ ДВИЖЕНИЕ ПЫЛЕВЫХ ЧАСТИЦ В КВАЗИОДНОМЕРНЫХ (ЦЕПОЧЕЧНЫХ) СТРУКТУРАХ В ТЛЕЮЩЕМ РАЗРЯДЕ                                                                 | Журнал экспериментальной и теоретической физики    | 2023 |                                      |
| Fractal Brownian Motion of Colloidal Particles in Plasma                                                                                                                 | Plasma Physics Reports                             | 2023 | 10.1134/S1063780X22601705            |

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| Method of spectral response to stochastic processes for measuring the nonreciprocal effective interactions                                                                   | Physical Review E                                                                          | 2023 | 10.1103/PhysRevE.108.055207    |
| Active Brownian Motion of Dust Particles in Quasi-One-Dimensional (Chain) Structures in a Glow Discharge                                                                     | Journal of Experimental and Theoretical Physics                                            | 2023 | 10.1134/S106377612311016X      |
| 3D Active Brownian Motion of Single Dust Particles Induced by a Laser in a DC Glow Discharge                                                                                 | Molecules                                                                                  | 2023 | 10.3390/molecules28041790      |
| Фрактальное броуновское движение коллоидных частиц в плазме                                                                                                                  | Физика плазмы                                                                              | 2023 |                                |
| Quantitative Proteomics of Maternal Blood Plasma in Isolated Intrauterine Growth Restriction                                                                                 | International Journal of Molecular Sciences                                                | 2023 | 10.3390/ijms242316832          |
| Sub-terahertz/terahertz electron resonances in hard ferrimagnets                                                                                                             | Materials Today                                                                            | 2023 | 10.1016/j.mattod.2023.02.008   |
| Nanoceramics of metastable $\epsilon$ -Fe <sub>2</sub> O <sub>3</sub> : effect of sintering on the magnetic properties and sub-terahertz electron resonance                  | Materials Horizons                                                                         | 2023 | 10.1039/d3mh00626c             |
| Hard ferrite magnetic insulators revealing giant coercivity and sub-terahertz natural ferromagnetic resonance at 5-300 K                                                     | Materials Horizons                                                                         | 2023 | 10.1039/d3mh00089c             |
| Tuning the microstructure, magnetostatic and magnetodynamic properties of highly Al-substituted M-type Sr/Ca hexaferrites prepared by citrate-nitrate auto-combustion method | Ceramics International                                                                     | 2023 | 10.1016/j.ceramint.2023.05.177 |
| Полевая электронная спектроскопия оксидного термокатода                                                                                                                      | Журнал радиоэлектроники                                                                    | 2023 |                                |
| СПЕКТРЫ КОМБИНАЦИОННОГО РАССЕЯНИЯ УГЛЕРОДНЫХ МАТЕРИАЛОВ, ИСПОЛЬЗУЕМЫХ В КАЧЕСТВЕ КАТОДОВ АВТОЭМИССИОННЫХ ИСТОЧНИКОВ ИЗЛУЧЕНИЯ                                                | Вестник Южно-Уральского государственного университета. Серия: Математика. Механика. Физика | 2023 |                                |
| Особенности эмиссии и полевая электронная спектроскопия оксидного термокатода                                                                                                | Журнал радиоэлектроники                                                                    | 2023 |                                |
| Компонент с поверхностями свободной формы для устройства дополненной реальности                                                                                              | Контенант                                                                                  | 2023 |                                |
| The Parallel Performance of SLNE Atmosphere-Ocean-Sea Ice Coupled Model                                                                                                      | Supercomputing Frontiers and Innovations                                                   | 2023 |                                |
| Simulation of Stratospheric Processes with the SLAV072L96 Atmospheric General Circulation Model                                                                              | Russian Meteorology and Hydrology                                                          | 2023 | 10.3103/S1068373923060018      |
| A Bayesian-variational cyclic method for solving estimation problems characterized by non-uniqueness (equifinality)                                                          | Journal of Computational Physics                                                           | 2023 | 10.1016/j.jcp.2023.112239      |
| Воспроизведение процессов в стратосфере моделью общей циркуляции атмосферы ПЛАВ072L96                                                                                        | Метеорология и гидрология                                                                  | 2023 |                                |
| The Parallel Performance of SLNE Atmosphere–Ocean–Sea Ice Coupled Model                                                                                                      | Supercomputing Frontiers and Innovations                                                   | 2023 | 10.14529/JSFI230305            |

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| Рентгеновская трубка для аналитической аппаратуры на основе автокатодов                                                                                     | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                          | 2023 |                               |
| Global investments in pandemic preparedness and COVID-19: development assistance and domestic spending on health between 1990 and 2026                      | The Lancet Global Health                                                                                                             | 2023 | 10.1016/S2214-109X(23)00007-4 |
| GPU-Based Molecular Dynamics of Turbulent Liquid Flows with OpenMM                                                                                          | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-30442-2_26  |
| Полярны и перенос заряда в хромите FeCr2O4 в рамках DFT + U                                                                                                 | Письма в Журнал экспериментальной и теоретической физики                                                                             | 2023 |                               |
| Advanced Carbon Nanostructures: Synthesis, Properties, and Applications                                                                                     | Nanomaterials                                                                                                                        | 2023 | 10.3390/nano13071268          |
| Quasi-Newton Single-Phase Stability Testing without Explicit Hessian Calculation                                                                            | Mathematical Models and Computer Simulations                                                                                         | 2023 | 10.1134/S2070048223050137     |
| Проверка термодинамической устойчивости фазы на основе квазиньютоновской оптимизации без явного вычисления гессиана                                         | Математическое моделирование                                                                                                         | 2023 |                               |
| Density of states of a 2D system of soft-sphere fermions by path integral Monte Carlo simulations                                                           | Journal of Physics A: Mathematical and Theoretical                                                                                   | 2023 | 10.1088/1751-8121/ace867      |
| Designing an energy-efficient multi-stage selective electrodialysis process based on high-performance materials for lithium extraction                      | Journal of Membrane Science                                                                                                          | 2023 | 10.1016/j.memsci.2023.121534  |
| Проблема несоответствия вириального и термодинамического методов расчета давления однокомпонентной плазмы при использовании периодических граничных условий | Вестник Объединенного института высоких температур                                                                                   | 2023 |                               |
| Theoretical and computational approaches to predicting the viscosity of liquids                                                                             | Physics-Uspekhi                                                                                                                      | 2023 | 10.3367/UFNe.2021.11.039102   |
| Моделирование диизопропилового эфира методом молекулярной динамики в различных межатомных потенциалах                                                       | Журнал физической химии                                                                                                              | 2023 |                               |
| Helium bubbles diffusion in aluminum: Influence of gas pressure                                                                                             | Journal of Nuclear Materials                                                                                                         | 2023 | 10.1016/j.jnucmat.2022.154123 |
| Прямой расчёт переходных матричных элементов в релятивистской теории связанных кластеров                                                                    | Оптика и спектроскопия                                                                                                               | 2023 |                               |
| Cluster structure of ultrahard fullerite revealed by Raman spectroscopy                                                                                     | Carbon                                                                                                                               | 2023 | 10.1016/j.carbon.2023.118314  |
| How to read optical properties of matter via the Kubo-Greenwood approach                                                                                    | Physical Review E                                                                                                                    | 2023 | 10.1103/PhysRevE.108.L053301  |

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| CubicEoS.jl: Extensible, Open-Source Isothermal Phase Equilibrium Calculations for Fluids                                                                     | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-49432-1_5                    |
| ОБРАЗОВАНИЕ, ДИФфуЗИЯ И РОСТ ГАЗОНАПОЛНЕННЫХ ПУЗЫРЬКОВ В $\gamma$ -УРАНЕ ПРИ ИЗБЫТКЕ МЕЖДОУЗЕЛЬНЫХ АТОМОВ: СВЯЗЬ МОЛЕКУЛЯРНОЙ ДИНАМИКИ И КИНЕТИКИ             | Журнал экспериментальной и теоретической физики                                                                                      | 2023 |                                                |
| Formation, Diffusion, and Growth of Gas Bubbles in $\gamma$ -Uranium with the Excess of Interstitial Atoms: Relation between Molecular Dynamics and Kinetics  | Journal of Experimental and Theoretical Physics                                                                                      | 2023 | 10.1134/S1063776123020103                      |
| New features of the Tfmix code: Thermodynamic properties of electrons in mixtures                                                                             | Computer Physics Communications                                                                                                      | 2023 | 10.1016/j.cpc.2023.108776                      |
| Glucose sensor based on ellipsometry and circular dichroism in achiral plasmonic structure                                                                    | Optik                                                                                                                                | 2023 | 10.1016/j.ijleo.2023.171061                    |
| OpenDust: A fast GPU-accelerated code for the calculation of forces acting on microparticles in a plasma flow                                                 | Computer Physics Communications                                                                                                      | 2023 | 10.1016/j.cpc.2023.108746                      |
| Wavefront Correction for the Observation of an Exoplanet against the Background of the Diffraction Stellar Vicinity                                           | Journal of Experimental and Theoretical Physics                                                                                      | 2023 | 10.1134/S1063776123020127                      |
| Cubesat based scalable quantum key distribution satellite network;<br>[Масштабируемая спутниковая сеть для квантового распределения ключей на основе кубсата] | Vestnik Tomskogo Gosudarstvennogo Universiteta, Biologiya                                                                            | 2023 | 10.17223/19988605/63/12                        |
| Cubesat based scalable quantum key distribution satellite network;<br>[Масштабируемая спутниковая сеть для квантового распределения ключей на основе кубсата] | Vestnik Tomskogo Gosudarstvennogo Universiteta - Upravlenie, Vychislitel'naya Tekhnika i Informatika                                 | 2023 | 10.17223/19988605/63/12                        |
| Testing of Fiber-Optic Lines for Quantum Key Distribution                                                                                                     | Wave Electronics and its Application in Information and Telecommunication Systems, WECONF - Conference Proceedings                   | 2023 | 10.1109/WECONF57201.2023.10147971              |
| Detection-efficiency mismatch in a satellite-to-ground quantum communication                                                                                  | ST PETER POLY U J-PH                                                                                                                 | 2023 |                                                |
| TESTING OF FIBER-OPTIC LINES FOR QUANTUM KEY DISTRIBUTION                                                                                                     | Wave Electronics and Its Application in Information and Telecommunication Systems                                                    | 2023 |                                                |
| All-optical magnetization control in CrI <sub>3</sub> monolayers: A microscopic theory                                                                        | Physical Review B                                                                                                                    | 2023 | 10.1103/PhysRevB.108.094421                    |
| Progress in Carbon Nanostructures: From Synthesis to Applications                                                                                             | Nanomaterials                                                                                                                        | 2023 | 10.3390/nano13152181                           |
| Ближнепольная фотолюминесценция монослоев WS <sub>2</sub> и MoS <sub>2</sub> , выращенных методом газофазного химического осаждения                           | Сибирский физический журнал                                                                                                          | 2023 |                                                |
| A complete optomagnonic logic set                                                                                                                             | 2023 IEEE International Magnetic Conference - Short Papers, INTERMAG Short Papers 2023 - Proceedings                                 | 2023 | 10.1109/INTERMAGShortPapers58606.2023.10228691 |

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| Laser-driven first-order spin reorientation and Verwey phase transitions in magnetite Fe <sub>3</sub> O <sub>4</sub> beyond the range of thermodynamic equilibrium | Physical Review B                                                                                                                    | 2023 | 10.1103/PhysRevB.107.024413  |
| Nor and Majority Optomagnonic Logic Gates                                                                                                                          | IEEE Transactions on Magnetics                                                                                                       | 2023 | 10.1109/TMAG.2023.3300271    |
| Effect of long range interactions on the reduction of divalent ions in N,O-chelating solvents                                                                      | Physical Chemistry Chemical Physics                                                                                                  | 2023 | 10.1039/d3cp01537h           |
| Why Are There Six Degrees of Separation in a Social Network                                                                                                        | Physical Review X                                                                                                                    | 2023 | 10.1103/PhysRevX.13.021032   |
| АЛГОРИТМ КАЛИБРОВКИ И РЕКОНСТРУКЦИИ ДЛЯ СИСТЕМЫ FARICH ДЕТЕКТОРА НА СУПЕР ЧАРМ-ТАУ ФАБРИКЕ                                                                         | Краткие сообщения по физике ФИАН                                                                                                     | 2023 |                              |
| Balanced 2-Subsets                                                                                                                                                 | Mathematical Notes                                                                                                                   | 2023 | 10.1134/S0001434623090122    |
| Weak saturation stability                                                                                                                                          | European Journal of Combinatorics                                                                                                    | 2023 | 10.1016/j.ejc.2023.103777    |
| Borsuk's problem, Boltyanski's illumination problem, and circumradius                                                                                              | Moscow Journal of Combinatorics and Number Theory                                                                                    | 2023 | 10.2140/moscow.2023.12.223   |
| Pseudo-Boolean Polynomials Approach to Edge Detection and Image Segmentation                                                                                       | Springer Optimization and Its Applications                                                                                           | 2023 | 10.1007/978-3-031-31654-8_5  |
| О концентрации значений $\chi$ -хроматических чисел случайных гиперграфов                                                                                          | Доклады Российской академии наук. Математика, информатика, процессы управления                                                       | 2023 |                              |
| Отображение в виртуальные косы и представления кос                                                                                                                 | Успехи математических наук                                                                                                           | 2023 |                              |
| Дробные раскраски случайных гиперграфов                                                                                                                            | Успехи математических наук                                                                                                           | 2023 |                              |
| Weakly Saturated Subgraphs of Random Graphs                                                                                                                        | Doklady Mathematics                                                                                                                  | 2023 | 10.1134/S1064562423700448    |
| On distance graphs in rational spaces                                                                                                                              | Moscow Journal of Combinatorics and Number Theory                                                                                    | 2023 | 10.2140/moscow.2023.12.165   |
| Maps to virtual braids and braid representations                                                                                                                   | Russian Mathematical Surveys                                                                                                         | 2023 | 10.4213/rm10087e             |
| Structural Complexity of Rational Interactive Proofs                                                                                                               | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2023 | 10.1007/978-3-031-36978-0_19 |
| Wiener index and graphs, almost half of whose vertices satisfy Šoltés property                                                                                     | Discrete Applied Mathematics                                                                                                         | 2023 | 10.1016/j.dam.2022.09.021    |
| Statistical power, accuracy, reproducibility and robustness of a graph clusterability test                                                                         | International Journal of Data Science and Analytics                                                                                  | 2023 | 10.1007/s41060-023-00389-6   |
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| Графы ортогональности матриц над коммутативными кольцами                                                                                                           | Интеллектуальные системы. Теория и приложения                                                                                        | 2023 |                              |
| Approximating Kolmogorov complexity                                                                                                                                | Computability                                                                                                                        | 2023 | 10.3233/COM-200302           |
| On the concentration of the independence numbers of random hypergraphs                                                                                             | Discrete Mathematics and Applications                                                                                                | 2023 | 10.1515/dma-2023-0002        |
| Асимптотическая нормальность размера гигантской компоненты в случайном двудольном графе                                                                            | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                          | 2023 |                              |

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| Estimating the strong r-colorability threshold in random hypergraphs                                                                                                           | Moscow Journal of Combinatorics and Number Theory                                         | 2023 | 10.2140/moscow.2023.12.57            |
| Investigation of Frequency Chatacteristic of Ultrawideband Spiral Antenna                                                                                                      | Proceedings of 2023 Antennas Design and Measurement International Conference, ADMInC 2023 | 2023 | 10.1109/ADMInC59462.2023.10335282    |
| Experimental comparison of PageRank vector calculation algorithms;<br>[Экспериментальное сравнение алгоритмов поиска вектора PageRank]                                         | Computer Research and Modeling                                                            | 2023 | 10.20537/2076-7633-2023-15-2-369-379 |
| Синтез, антибактериальные и антимоноксидазные свойства 4-(2-метил-1,3-оксазол-5-ил)бензолсульфонамида                                                                          | Журнал общей химии                                                                        | 2023 |                                      |
| Proteomic Markers for Mechanobiological Properties of Metastatic Cancer Cells                                                                                                  | International Journal of Molecular Sciences                                               | 2023 | 10.3390/ijms24054773                 |
| Dose-Dependent Shift in Relative Contribution of Homologous Recombination to DNA Repair after Low-LET Ionizing Radiation Exposure: Empirical Evidence and Numerical Simulation | Current Issues in Molecular Biology                                                       | 2023 | 10.3390/cimb45090465                 |
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| Two-Dimensional Plasmons in Laterally Confined 2D Electron Systems                                                                                                             | Nanomaterials                                                                             | 2023 | 10.3390/nano13060975                 |
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| Fractional colourings of random hypergraphs                                                                                                                                    | Russian Mathematical Surveys                                                              | 2023 | 10.4213/rm10151e                     |
| An Equivalent Form Related to a Hilbert-Type Integral Inequality                                                                                                               | Axioms                                                                                    | 2023 | 10.3390/axioms12070677               |
| From Prebase in Automata Theory to Data Analysis: Boris Mirkin's Way                                                                                                           | Springer Optimization and Its Applications                                                | 2023 | 10.1007/978-3-031-31654-8_9          |
| Transition between metastable equilibria: Applications to binary-choice games                                                                                                  | Physical Review E                                                                         | 2023 | 10.1103/PhysRevE.108.024134          |
| Некоторые нестандартные логические задачи                                                                                                                                      | Математическое образование                                                                | 2023 |                                      |
| Group-valued invariant of knots in the full torus                                                                                                                              | Journal of Knot Theory and its Ramifications                                              | 2023 | 10.1142/S0218216523500049            |
| Searching for Distance Graph Embeddings and Optimal Partitions of Compact Sets in Euclidean Space                                                                              | Communications in Computer and Information Science                                        | 2023 | 10.1007/978-3-031-43257-6_29         |
| ОБЗОР СПОСОБОВ МОДЕЛИРОВАНИЕ ВЛИЯНИЯ ДЕМОГРАФИЧЕСКИХ ФАКТОРОВ НА ПАРАМЕТРЫ СОЦИАЛЬНО-ЭКОНОМИЧЕСКОГО РАЗВИТИЯ И СИСТЕМУ ЗДРАВООХРАНЕНИЯ                                         | Социальные аспекты здоровья населения                                                     | 2023 |                                      |
| On the Structure of the Set of Panchromatic Colorings of a Random Hypergraph                                                                                                   | Doklady Mathematics                                                                       | 2023 | 10.1134/S1064562423700953            |
| Dimensionality Reduction Using Pseudo-Boolean Polynomials for Cluster Analysis                                                                                                 | Springer Optimization and Its Applications                                                | 2023 | 10.1007/978-3-031-31654-8_4          |
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| Anti-Cancer Properties of Flaxseed Proteome                                                                                                                                               | Proteomes                                            | 2023 | 10.3390/proteomes11040037            |
| On embeddability of joins and their ‘factors’                                                                                                                                             | Topology and its Applications                        | 2023 | 10.1016/j.topol.2023.108409          |
| ОСОБЕННОСТИ ОТВЕТА КЛЕТОК КАРЦИНОМЫ ЛЁГКИХ ЧЕЛОВЕКА A549 С НОКАУТИРОВАННЫМ ГЕНОМ <i>PRIMPOL</i> НА ГЕНОТОКСИЧЕСКИЙ СТРЕСС                                                                 | Биохимия                                             | 2023 |                                      |
| Equivalent Conditions of the Reverse Hardy-Type Integral Inequalities                                                                                                                     | Symmetry                                             | 2023 | 10.3390/sym15020463                  |
| On a Reverse Hilbert-Type Inequality in the Whole Plane with Multi-Parameters                                                                                                             | Springer Optimization and Its Applications           | 2023 | 10.1007/978-3-031-46487-4_14         |
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| Proton reconstruction with the CMS-TOTEM Precision Proton Spectrometer                                                                                                                    | Journal of Instrumentation                           | 2023 | 10.1088/1748-0221/18/09/P09009       |
| Publisher Correction: Observation of triple J/ψ meson production in proton-proton collisions (Nature Physics, (2023), 19, 3, (338-350), 10.1038/s41567-022-01838-y)                       | Nature Physics                                       | 2023 | 10.1038/s41567-023-02368-x           |
| Исследование механизмов увеличения миграционной активности опухолевых клеток под действием драйверных мутаций (PTEN -/-, PI3K+, AKT+)                                                     | Вопросы онкологии                                    | 2023 |                                      |
| Topological and Homological Properties of the Orbit Space of a Simple Three-Dimensional Compact Linear Lie Group                                                                          | Mathematical Notes                                   | 2023 | 10.1134/S0001434623030124            |
| Топологические и гомологические свойства пространства орбит простой трехмерной компактной линейной группы Ли                                                                              | Математические заметки                               | 2023 |                                      |
| Dialogue Graphs: Enhancing Response Selection Through Target Node Separation                                                                                                              | Studies in Computational Intelligence                | 2023 | 10.1007/978-3-031-44865-2_5          |
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| Study of Meson Sources on CMS Experiment Data                                                                                                                                             | Bulletin of the Lebedev Physics Institute            | 2023 | 10.3103/S1068335623010025            |
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| Математические модели современных механизмов энергосбережения в сетях Wi-Fi                                                                                                                                                                                    | Информационные процессы                                                                                     | 2023 |                                   |
| Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV (vol 78, 509, 2018)                                                                                                                                                  | EUR PHYS J C                                                                                                | 2023 |                                   |
| Metal-Organic Framework-Based Nanomedicines for the Treatment of Intracellular Bacterial Infections                                                                                                                                                            | Pharmaceutics                                                                                               | 2023 | 10.3390/pharmaceutics15051521     |
| Spectrum of Johnson graphs                                                                                                                                                                                                                                     | Discrete Mathematics                                                                                        | 2023 | 10.1016/j.disc.2022.113262        |
| Modularity in planted partition model                                                                                                                                                                                                                          | Computational Management Science                                                                            | 2023 | 10.1007/s10287-023-00466-y        |
| О размере и сложности компонент связности случайного гиперграфа                                                                                                                                                                                                | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2023 |                                   |
| Comparative Study of Changes in the $\gamma$ 2ax and 53bp1 Foci Number in Human Mesenchymal Stromal Cells Incubated with 3H-thymidine or Tritiated Water                                                                                                       | Medical Radiology and Radiation Safety                                                                      | 2023 | 10.33266/1024-6177-2023-68-3-5-10 |
| On the Concentration of Values of j-Chromatic Numbers of Random Hypergraphs                                                                                                                                                                                    | Doklady Mathematics                                                                                         | 2023 | 10.1134/S1064562423700424         |
| The photography method: Solving pentagon equation                                                                                                                                                                                                              | Journal of Knot Theory and its Ramifications                                                                | 2023 | 10.1142/S0218216523500748         |
| Theoretical Study of the Electronic and Transport Properties of Lateral 2D-1D-2D Graphene-CNT-Graphene Structures (vol 115, pg 93, 2022)                                                                                                                       | JETP LETT+                                                                                                  | 2022 |                                   |
| Pulse shape analysis in Gerda Phase II                                                                                                                                                                                                                         | European Physical Journal C                                                                                 | 2022 | 10.1140/epjc/s10052-022-10163-w   |
| Acoustic receptivity of high-speed boundary layers on a flat plate at angles of attack                                                                                                                                                                         | Theoretical and Computational Fluid Dynamics                                                                | 2022 | 10.1007/s00162-022-00625-y        |
| A Comprehensive Study of the Monuments of the End of 2nd Millennium - Beginning of 1st Millennium BC in the Valley of the River Eerbek (Central Tuva); [Комплексное изучение памятников конца 2 - начала 1 тыс. до н.э. в долине р. Эербек (Центральная Тува)] | Siberian Historical Research                                                                                | 2022 | 10.17223/2312461X/38/14           |
| DEVELOPMENT OF A RECOMBINANT ONCOLYTIC POLIOVIRUS TYPE 3 STRAIN WITH ALTERED CELL TROPISM                                                                                                                                                                      | B RUSS STATE MED U                                                                                          | 2022 |                                   |
| Artificial intelligence-driven phenotyping of zebrafish psychoactive drug responses                                                                                                                                                                            | Progress in Neuro-Psychopharmacology and Biological Psychiatry                                              | 2022 | 10.1016/j.pnpbp.2021.110405       |
| Population-level risks of alcohol consumption by amount, geography, age, sex, and year: a systematic analysis for the Global Burden of Disease Study 2020                                                                                                      | The Lancet                                                                                                  | 2022 | 10.1016/S0140-6736(22)00847-9     |
| Mapping age- and sex-specific HIV prevalence in adults in sub-Saharan Africa, 2000–2018                                                                                                                                                                        | BMC Medicine                                                                                                | 2022 | 10.1186/s12916-022-02639-z        |

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| Microplotter Printing of Hierarchically Organized Planar NiCo <sub>2</sub> O <sub>4</sub> Nanostructures                           | Russian Journal of Inorganic Chemistry                   | 2022 | 10.1134/S0036023622601234       |
| Global, regional, and national burden of hepatitis B, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019 | The Lancet Gastroenterology and Hepatology               | 2022 | 10.1016/S2468-1253(22)00124-8   |
| Moire Diamones: New Diamond-like Films of Semifunctionalized Twisted Graphene Layers                                               | J PHYS CHEM LETT                                         | 2022 |                                 |
| On the value of zebrafish outbred strains in neurobehavioral research                                                              | Lab Animal                                               | 2022 | 10.1038/s41684-021-00891-z      |
| Terahertz-infrared spectroscopy of wafer-scale films of single-walled carbon nanotubes treated by plasma                           | Carbon                                                   | 2022 | 10.1016/j.carbon.2021.12.076    |
| Dispersive Spectrometry at Terahertz Frequencies for Probing the Quality of NbTiN Superconducting Films                            | IEEE Transactions on Applied Superconductivity           | 2022 | 10.1109/TASC.2022.3147736       |
| Numerical Study of Crossflow Jet Generated Instabilities in a High-Speed Boundary Layer                                            | IUTAM Bookseries                                         | 2022 | 10.1007/978-3-030-67902-6_54    |
| Melting of Titanium by a Shock Wave Generated by an Intense Femtosecond Laser Pulse                                                | JETP Letters                                             | 2022 | 10.1134/S0021364022100551       |
| Local ultra-densification of single-walled carbon nanotube films: Experiment and mesoscopic modeling                               | Carbon                                                   | 2022 | 10.1016/j.carbon.2022.05.047    |
| 3D Models of Cellular Spheroids As a Universal Tool for Studying the Cytotoxic Properties of Anticancer Compounds In Vitro         | Acta Naturae                                             | 2022 | 10.32607/actanaturae.11603      |
| Прижизненные травмы скелета у носителей фатьяновской культуры в свете данных археологии и генетики                                 | Вестник Московского университета. Серия 23: Антропология | 2022 |                                 |
| Global mortality associated with 33 bacterial pathogens in 2019: a systematic analysis for the Global Burden of Disease Study 2019 | The Lancet                                               | 2022 | 10.1016/S0140-6736(22)02185-7   |
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| Imaging flow cytometry data analysis using convolutional neural network for quantitative investigation of phagocytosis             | Biotechnology and Bioengineering                         | 2022 | 10.1002/bit.27986               |
| Латеральные 2D-1D-2D структуры графен-УНТ-графен: Теоретическое исследование электронных и транспортных свойств                    | Письма в Журнал экспериментальной и теоретической физики | 2022 |                                 |
| Analysis of reduced paramagnetic shifts as an effective tool in NMR spectroscopy                                                   | Physical Chemistry Chemical Physics                      | 2022 | 10.1039/d1cp04648a              |
| 2D-Mo <sub>3</sub> S <sub>4</sub> phase as promising contact for MoS <sub>2</sub>                                                  | Applied Surface Science                                  | 2022 | 10.1016/j.apsusc.2022.152971    |
| Thermo Optical Properties of 3D Photonic Wire Bonding Connecting Silicon Nitride Waveguides                                        | Progress in Electromagnetics Research Symposium          | 2022 | 10.1109/PIERS55526.2022.9792948 |
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| Исследование распределения электронной плотности в кристалле биосовместимого металл-органического координационного полимера                                                           | Координационная химия                                                                  | 2022 |                                   |
| Палеогенетическая экспертиза останков из одного массового захоронения 1238 года в Ярославле                                                                                           | Археология Подмосковья                                                                 | 2022 |                                   |
| Shambhala-2: A Protocol for Uniformly Shaped Harmonization of Gene Expression Profiles of Various Formats                                                                             | Current Protocols                                                                      | 2022 | 10.1002/cpz1.444                  |
| Using zebrafish (Danio rerio) models to understand the critical role of social interactions in mental health and wellbeing                                                            | Progress in Neurobiology                                                               | 2022 | 10.1016/j.pneurobio.2021.101993   |
| Диспергация металлических наноплёнок при лазерном сканировании                                                                                                                        | Вестник Московского государственного областного университета. Серия: Физика-математика | 2022 |                                   |
| Exploring CNS Effects of American Traditional Medicines using Zebrafish Models                                                                                                        | Current Neuropharmacology                                                              | 2022 | 10.2174/1570159X19666210712153329 |
| Исследование применимости аппаратной компрессии данных в межпроцессорных каналах связи процессоров с архитектурой Эльбрус                                                             | Труды Института системного программирования РАН                                        | 2022 |                                   |
| Experimental Study of the Reflectivity of Superconducting Nb-Based Films in the Subterahertz Frequency Band                                                                           | Radiophysics and Quantum Electronics                                                   | 2022 | 10.1007/s11141-023-10229-z        |
| THE SYNTHESIS OF MODEL-BASED SYSTEMS ENGINEERING APPROACHES AND TOOLS INTO A METHODOLOGICAL TOOLKIT FOR THE DEVELOPMENT OF TECHNICAL SYSTEMS: THEORY, ITS VERIFICATION AND VALIDATION | INT J QUAL RES                                                                         | 2022 |                                   |
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| Key Advanced Research Initiative: A Manifesto for the New-Generation Artificial Intelligence                                                                                          | Procedia Computer Science                                                              | 2022 | 10.1016/j.procs.2022.11.140       |
| Perspectives and directions of biobanking in case of rare types of cancer; [罕见癌症病例中生物银行的前景和方向]; [Перспективы и направления биобанкирования при редких видах рака]                     | Head and Neck Russian Journal                                                          | 2022 | 10.25792/HN.2022.10.4.41-48       |
| Estimation of the global prevalence of dementia in 2019 and forecasted prevalence in 2050: an analysis for the Global Burden of Disease Study 2019                                    | The Lancet Public Health                                                               | 2022 | 10.1016/S2468-2667(21)00249-8     |
| Age–sex differences in the global burden of lower respiratory infections and risk factors, 1990–2019: results from the Global Burden of Disease Study 2019                            | The Lancet Infectious Diseases                                                         | 2022 | 10.1016/S1473-3099(22)00510-2     |

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| Integrating Genetic and Chromosome Maps of Allium cepa: From Markers Visualization to Genome Assembly Verification                                                                                                        | International Journal of Molecular Sciences            | 2022 | 10.3390/ijms231810486              |
| Population-level risks of alcohol consumption by amount, geography, age, sex, and year: a systematic analysis for the Global Burden of Disease Study 2020                                                                 | LANCET                                                 | 2022 |                                    |
| The global burden of cancer attributable to risk factors, 2010-19: a systematic analysis for the Global Burden of Disease Study 2019                                                                                      | LANCET                                                 | 2022 |                                    |
| The burden of injury in Central, Eastern, and Western European sub-region: a systematic analysis from the Global Burden of Disease 2019 Study                                                                             | Archives of Public Health                              | 2022 | 10.1186/s13690-022-00891-6         |
| iPSCs for erythromycin arrhythmogenicity testing                                                                                                                                                                          | Current Topics in iPSCs Technology                     | 2022 | 10.1016/B978-0-323-99892-5.00007-4 |
| Plasmon-Enhanced Ultraviolet Luminescence in Colloid Solutions and Nanostructures Based on Aluminum and ZnO Nanoparticles                                                                                                 | Nanomaterials                                          | 2022 | 10.3390/nano12224051               |
| Оптимизация условных переходов с учетом векторных возможностей потока управления Intel GPU                                                                                                                                | Современные информационные технологии и ИТ-образование | 2022 |                                    |
| Global, regional, and national burden of colorectal cancer and its risk factors, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019                                                             | The Lancet Gastroenterology and Hepatology             | 2022 | 10.1016/S2468-1253(22)00044-9      |
| Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019 A Systematic Analysis for the Global Burden of Disease Study 2019 | JAMA Oncology                                          | 2022 | 10.1001/jamaoncol.2021.6987        |
| The Role of the Metabolism of Zinc and Manganese Ions in Human Cancerogenesis                                                                                                                                             | Biomedicines                                           | 2022 | 10.3390/biomedicines10051072       |
| Data-Driven Short-Term Daily Operational Sea Ice Regional Forecasting                                                                                                                                                     | Remote Sensing                                         | 2022 | 10.3390/rs14225837                 |
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| Beam dynamics of the project DARIA RFQ                                                                                                                                                                                    | VESTN ST PET U-P MAT                                   | 2022 |                                    |
| Synergistic HNO <sub>3</sub> –H <sub>2</sub> SO <sub>4</sub> –NH <sub>3</sub> upper tropospheric particle formation                                                                                                       | Nature                                                 | 2022 | 10.1038/s41586-022-04605-4         |
| Impact of the Back-Stress Effect on Horizontal Stress Values Calculation in Hydraulic Fracturing Experiments                                                                                                              | 56th U.S. Rock Mechanics/Geomechanics Symposium        | 2022 |                                    |

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| Prediction of Overpressure Zones in Marine Sediments Using Rock-Physics and Other Approaches                                                                                                                                   | Journal of Marine Science and Engineering    | 2022 | 10.3390/jmse10081127         |
| ПРЕДВАРИТЕЛЬНЫЕ ИССЛЕДОВАНИЯ ВОЗМОЖНОСТИ ПРЕДСКАЗАНИЯ ИЗМЕНЕНИЙ ВНУТРЕННЕЙ СТРУКТУРЫ ГОРНЫХ ПОРОД, ВЫЗВАННЫХ ПСЕВДОТРЕХОСНЫМ СЖАТИЕМ, НА ОСНОВАНИИ ЗАВИСИМОСТИ ДЕФОРМАЦИЙ ОТ НАПРЯЖЕНИЙ                                        | Процессы в геосредах                         | 2022 |                              |
| Spatial orientations of hydraulically conductive shear natural fractures for an arbitrary stress state: An analytical study of governing geomechanical factors                                                                 | Journal of Petroleum Science and Engineering | 2022 | 10.1016/j.petrol.2022.110288 |
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| Direct photoacoustic measurement of silicon nanoparticle degradation promoted by a polymer coating                                                                                                                             | Chemical Engineering Journal                 | 2022 | 10.1016/j.cej.2021.132860    |
| Gate-controlled polarization-resolving mid-infrared detection at metal-graphene junctions                                                                                                                                      | Applied Physics Letters                      | 2022 | 10.1063/5.0088724            |
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| Analysis and Comparison of Different Approaches to the Extraction of Parameters of the Memristor Model                                                                                                                         | Russian Microelectronics                     | 2022 | 10.1134/S106373972208008X    |
| 3D-Printed Phase Wave Plates for Creation of Terahertz Beams with Linear Power Distribution                                                                                                                                    | Radiophysics and Quantum Electronics         | 2022 | 10.1007/s11141-023-10212-8   |
| Monte Carlo Simulation of the Experimental Setup for Studying Entangled Annihilation Photons                                                                                                                                   | Physics of Particles and Nuclei Letters      | 2022 | 10.1134/S1547477122060176    |
| Что можно узнать, изучая остатки spectatorной материи в центральных ядро-ядерных столкновениях?                                                                                                                                | Физика элементарных частиц и атомного ядра   | 2022 |                              |
| On the Concept of Plasma Mass-Separation in Crossed $E \times B$ Fields with a Potential Well (a Review)                                                                                                                       | Plasma Physics Reports                       | 2022 | 10.1134/S1063780X22601912    |

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| Statistical physics of the development of Kerner's synchronized-to-free-flow instability at a moving bottleneck in vehicular traffic                                                                         | Physical Review E                                                   | 2022 | 10.1103/PhysRevE.106.054306     |
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| Sidewall roughness model for optical losses calculation in photonic integrated circuits                                                                                                                      | ST PETER POLY U J-PH                                                | 2022 |                                 |
| Re-entry vehicle sonic boom issue: Modelling and calculation results in windy atmosphere based on the augmented Burgers equation                                                                             | Acta Astronautica                                                   | 2022 | 10.1016/j.actaastro.2021.12.038 |
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| Personalized targeted therapy prescription in colorectal cancer using algorithmic analysis of RNA sequencing data                                                                                            | BMC Cancer                                                          | 2022 | 10.1186/s12885-022-10177-3      |
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| Evolutionarily conserved gene expression patterns for affective disorders revealed using cross-species brain transcriptomic analyses in humans, rats and zebrafish                                           | Scientific Reports                                                  | 2022 | 10.1038/s41598-022-22688-x      |
| Traumatic Brain Injury Models in Zebrafish (Danio rerio)                                                                                                                                                     | Neuroscience and Behavioral Physiology                              | 2022 | 10.1007/s11055-022-01254-y      |
| Boost Phase Intercept of Ballistic Missiles                                                                                                                                                                  | Mechanics of Solids                                                 | 2022 | 10.3103/S0025654422070111       |
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| Напечатанные на 3D-принтере фазовые волновые пластины для создания терагерцовых пучков с линейным распределением мощности                                                                                    | Известия вузов. Радиофизика                                         | 2022 |                                 |
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| Light-activated polymer nanoparticles for image-guided breast cancer treatment                                                                                                                               | 2022 International Conference Laser Optics, ICLO 2022 - Proceedings | 2022 | 10.1109/ICLO54117.2022.9839993  |
| The overlapping burden of the three leading causes of disability and death in sub-Saharan African children                                                                                                   | Nature Communications                                               | 2022 | 10.1038/s41467-022-34240-6      |
| APPLICATION OF OPTICAL FIBER POWER SUPPLY IN AN EXPERIMENTAL SEISMIC SURVEY AND MONITORING SYSTEM; [ПРИМЕНЕНИЕ ПИТАНИЯ ПО ОПТИЧЕСКОМУ ВОЛОКНУ В ЭКСПЕРИМЕНТАЛЬНОЙ СИСТЕМЕ СЕЙСМИЧЕСКОЙ СЪЁМКИ И МОНИТОРИНГА] | Geophysical Research                                                | 2022 | 10.21455/gr2022.4-4             |

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| Electron Density Distribution in the Crystal of the Biocompatible Metal–Organic Framework                                                                                                              | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya | 2022 | 10.1134/S107032842201002X     |
| Tunable Single-Atomic Charges on a Cleaved Intercalated Transition Metal Dichalcogenide                                                                                                                | Nano Letters                                                        | 2022 | 10.1021/acs.nanolett.1c03706  |
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| Epigenetic Stress and Long-Read cDNA Sequencing of Sunflower (Helianthus annuus L.) Revealed the Origin of the Plant Retrotranscriptome                                                                | Plants                                                              | 2022 | 10.3390/plants11243579        |
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| Палеогенетическая экспертиза останков из двух наиболее крупных массовых захоронений 1238 г. в ярославском детинце                                                                                      | Поволжская Археология                                               | 2022 |                               |
| DEVELOPMENT OF A RECOMBINANT ONCOLYTIC POLIOVIRUS TYPE 3 STRAIN WITH ALTERED CELL TROPISM; [РАЗРАБОТКА РЕКОМБИНАНТНОГО ОНКОЛИТИЧЕСКОГО ШТАММА ПОЛИОВИРУСА 3-ГО ТИПА С ИЗМЕНЕННЫМ КЛЕТОЧНЫМ ТРОПИЗМОМ]  | Bulletin of Russian State Medical University                        | 2022 | 10.24075/BRSMU.2022.023       |
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| Method for the Inverse Problem Solution for Reconstruction of Stress Strain State of Rock Mass Based on Natural Fractures Data                                                                         | Izvestiya, Physics of the Solid Earth                               | 2022 | 10.1134/S1069351322040024     |

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| Fluid Conductivity of Natural Shear Fractures in Vicinity of a Production Well During Directional Unloading                                                                     | Springer Geology                                                               | 2022 | 10.1007/978-3-030-76328-2_25    |
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| Setup of Compton polarimeters for measuring entangled annihilation photons                                                                                                      | Journal of Instrumentation                                                     | 2022 | 10.1088/1748-0221/17/03/P03010  |
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| Stakeholder analysis for development of knowledge management system in micro- and nanoelectronics                                                                               | International Scientific Journal Innovations                                   | 2022 |                                 |
| Modified Ramped Current Stress Technique for Monitoring Thin Dielectrics Reliability and Charge Degradation                                                                     | Physica Status Solidi (A) Applications and Materials Science                   | 2022 | 10.1002/pssa.202100400          |
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| Peeling away neutron skin in ultracentral collisions of relativistic nuclei                                                                                                     | European Physical Journal A                                                    | 2022 | 10.1140/epja/s10050-022-00832-5 |
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| On the Possibility of Using Glass Capillaries as Probes of an Atomic-Force Microscope Operating in a Hybrid Mode                                                                | Instruments and Experimental Techniques                                        | 2022 | 10.1134/S002044122204008X       |
| Synthesis, Sorting, and Applications of Single-Chirality Single-Walled Carbon Nanotubes                                                                                         | Materials                                                                      | 2022 | 10.3390/ma15175898              |
| Design and Tuning of Substrate-Fabricated Dielectric Metasurfaces Supporting Quasi-Trapped Modes in the Infrared Range                                                          | ACS Photonics                                                                  | 2022 | 10.1021/acsp Photonics.2c01842  |
| The global burden of cancer attributable to risk factors, 2010–19: a systematic analysis for the Global Burden of Disease Study 2019                                            | The Lancet                                                                     | 2022 | 10.1016/S0140-6736(22)01438-6   |
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| Antibacterial Films of Composite Materials Based on the Biocompatible Metal–Organic Framework MOF-5 and Hydrocolloids                                                                                                                  | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya | 2022 | 10.1134/S1070328422030022       |
| Superconducting Sub-Terahertz Oscillator with Continuous Frequency Tuning                                                                                                                                                              | Applied Sciences (Switzerland)                                      | 2022 | 10.3390/app12178904             |
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| Refractive X-Ray Lenses Made by the Two-Photon Laser Lithography Method                                                                                                                                                                | Physics of Wave Phenomena                                           | 2022 | 10.3103/S1541308X22050089       |
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| Setup to study the Compton scattering of entangled annihilation photons                                                                                                                                                                | Journal of Physics: Conference Series                               | 2022 | 10.1088/1742-6596/2374/1/012041 |
| Исследование комптоновского рассеяния запутанных аннигиляционных фотонов                                                                                                                                                               | Письма в журнал Физика элементарных частиц и атомного ядра          | 2022 |                                 |
| ON NUMERICAL MODELING OF RESERVOIR GEOMECHANICAL PROBLEMS WITH NON-SMOOTH SOLUTIONS USING FINITE ELEMENT METHOD;<br>[ОСОБЕННОСТИ ЧИСЛЕННОГО РЕШЕНИЯ ЗАДАЧ ГЕОМЕХАНИКИ МЕСТОРОЖДЕНИЙ С НЕГЛАДКИМИ РЕШЕНИЯМИ МЕТОДОМ КОНЕЧНЫХ ЭЛЕМЕНТОВ] | Geophysical Research                                                | 2022 | 10.21455/gr2022.1-3             |
| О методе решения обратной задачи восстановления напряженно-деформированного состояния массива горных пород по данным о естественной трещиноватости                                                                                     | Физика Земли                                                        | 2022 |                                 |
| Problems of Multiscale Brittleness Estimation for Hydrocarbon Reservoir Exploration and Development                                                                                                                                    | Applied Sciences (Switzerland)                                      | 2022 | 10.3390/app12031134             |
| Plasma Production on Current-Carrying Electrodes of the Angara-5-1 Facility                                                                                                                                                            | Plasma Physics Reports                                              | 2022 | 10.1134/S1063780X22020015       |
| ПОРТАТИВНАЯ УСТАНОВКА ДЛЯ ДЕТЕКТИРОВАНИЯ ЗАРЯЖЕННОЙ КОМПОНЕНТЫ КОСМИЧЕСКИХ ЛУЧЕЙ                                                                                                                                                       | Приборы и техника эксперимента                                      | 2022 |                                 |
| Multifunctional Elastic Nanocomposites with Extremely Low Concentrations of Single-Walled Carbon Nanotubes                                                                                                                             | ACS Applied Materials and Interfaces                                | 2022 | 10.1021/acsami.2c01086          |
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| Measuring the availability of human resources for health and its relationship to universal health coverage for 204 countries and territories from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019      | The Lancet                                                          | 2022 | 10.1016/S0140-6736(22)00532-3   |

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| Numerical Simulation of Gas Injection Effect on Boundary Layer Instability for Space Vehicles                                                                                            | IUTAM Bookseries                                                                                            | 2022 | 10.1007/978-3-030-67902-6_8    |
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| Моделирование рыночных манипуляций в реальном времени                                                                                                                                    | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                |
| Intracellular Localization and Gene Expression Analysis Provides New Insights on LEA Proteins' Diversity in Anhydrobiotic Cell Line                                                      | Biology                                                                                                     | 2022 | 10.3390/biology11040487        |
| Экспериментальное исследование влияния мезенхимальных стромальных клеток на заживление химического ожога                                                                                 | Гены и Клетки                                                                                               | 2022 |                                |
| Shotgun Lipidomics for Differential Diagnosis of HPV-Associated Cervix Transformation                                                                                                    | Metabolites                                                                                                 | 2022 | 10.3390/metabo12060503         |
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| Differentiable Programming for Particle Physics Simulations                                                                                                                              | Journal of Experimental and Theoretical Physics                                                             | 2022 | 10.1134/S1063776122020042      |
| DIFFERENTIABLE PROGRAMMING FOR PARTICLE PHYSICS SIMULATIONS                                                                                                                              | Журнал экспериментальной и теоретической физики                                                             | 2022 |                                |
| Elements of satellite quantum network                                                                                                                                                    | Proceedings of SPIE - The International Society for Optical Engineering                                     | 2022 | 10.1117/12.2624443             |
| Polarization compensation design for free-space quantum communication transmitter                                                                                                        | ST PETER POLY U J-PH                                                                                        | 2022 |                                |
| Повышение эффективности классификации объектов наблюдения по поляризационным характеристикам с использованием инверсного синтеза апертуры радара                                         | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                |
| Интегральная система для обработки биосигналов на основе алгоритмов ИИ и перспективы ее применения                                                                                       | Интеллектуальные системы. Теория и приложения                                                               | 2022 |                                |
| ИССЛЕДОВАНИЕ ЗАВИСИМОСТИ УПРУГИХ ДЕФОРМАЦИЙ "ЖЕСТКИХ" АЭРОДИНАМИЧЕСКИХ МОДЕЛЕЙ ОТ ИХ ГЕОМЕТРИЧЕСКИХ И КОНСТРУКЦИОННЫХ ПАРАМЕТРОВ                                                         | Вестник Московского авиационного института                                                                  | 2022 |                                |
| Modification of the Method of Integral Equations in 2D Problems of Wave Scattering by PEC Screens                                                                                        | Proceedings - 2022 IEEE 8th All-Russian Microwave Conference, RMC 2022                                      | 2022 | 10.1109/RMC55984.2022.10079284 |

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| Performance of Absorbing Periodic Structures with Spherical Magneto-Dielectric Black Holes Arranged on a Substrate with a PEC Screen                                                                            | Proceedings - 2022 IEEE 8th All-Russian Microwave Conference, RMC 2022                                      | 2022 | 10.1109/RMC55984.2022.10079392 |
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| Уменьшение энергопотребления антенной решетки с электрическим сканированием луча в низкоорбитальных системах широкополосного доступа                                                                            | Технологии и средства связи                                                                                 | 2022 |                                |
| Synthesis of Overlapped Subarrays with Flat-Topped Radiation Patterns in Planar Phased Array Antennas                                                                                                           | Proceedings - 2022 IEEE 8th All-Russian Microwave Conference, RMC 2022                                      | 2022 | 10.1109/RMC55984.2022.10079638 |
| Minimizing the Power Consumption of Active Electronically Scanned Array Antenna Used in LEO Broadband Access Systems                                                                                            | Proceedings - 2022 IEEE 8th All-Russian Microwave Conference, RMC 2022                                      | 2022 | 10.1109/RMC55984.2022.10079503 |
| Verification of the Method for Assessing Systematic Errors of the Bench for Calibrating Six-Component Strain-Gauge Balances                                                                                     | Measurement Techniques                                                                                      | 2022 | 10.1007/s11018-022-02058-9     |
| Laminar–Turbulent Transition Reversal on a Blunted Plate with Various Leading-Edge Shapes                                                                                                                       | AIAA Journal                                                                                                | 2022 | 10.2514/1.J060165              |
| General Problems of Metrology and Measurement Technique Static Component of Temperature Error in the Strain-Gauge Balance: Determination of the Temperature Sensitivity Coefficient                             | Measurement Techniques                                                                                      | 2022 | 10.1007/s11018-022-02006-7     |
| Верификация метода оценки систематических погрешностей стенда для калибровки шестикомпонентных тензометрических весов                                                                                           | Измерительная техника                                                                                       | 2022 |                                |
| Comments on the Paper “Are There Enough Decoy States to Ensure Key Secrecy in Quantum Cryptography?” by S. N. Molotkov, K. S. Kravtsov, and M. I. Ryzhkin and on the Erratum to This Paper                      | Journal of Experimental and Theoretical Physics                                                             | 2022 | 10.1134/S1063776122030074      |
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| Lax equations for relativistic GL(NM, C) Gaudin models on elliptic curve                                                                                                                                        | Journal of Physics A: Mathematical and Theoretical                                                          | 2022 | 10.1088/1751-8121/ac8d3c       |
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| Glacier parameterization in SLAV numerical weather prediction model                                                                                                                                              | Russian Journal of Numerical Analysis and Mathematical Modelling                       | 2022 | 10.1515/rnam-2022-0016         |
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| Numerical assessment of aortic valve coaptation after neo-cuspidation procedure                                                                                                                                  | Kardiologiya i Serdechno-Sosudistaya Khirurgiya                                        | 2022 | 10.17116/kardio202215041369    |
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| Несжимаемый пограничный слой с противотоками при заданном градиенте давления                                                                                                                                     | Журнал вычислительной математики и математической физики                               | 2022 |                                |
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| Computational Efficiency of the Ader and Runge–Kutta Schemes for the Discontinuous Galerkin Method in the Case of the 1D Hopf Equation                                                                           | Mathematical Models and Computer Simulations                                           | 2022 | 10.1134/S2070048222010070      |
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| Incompressible Boundary Layer with Counterflows at a Given Pressure Gradient                                                                                                                                     | Computational Mathematics and Mathematical Physics                                     | 2022 | 10.1134/S0965542522060057      |

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| A review of Russian computer modeling and validation in aerospace applications                                                            | Progress in Aerospace Sciences                                   | 2022 | 10.1016/j.paerosci.2021.100766  |
| Self-Induced Suction of Fluid in a Turbulent Boundary Layer on a Permeable Surface                                                        | Computational Mathematics and Mathematical Physics               | 2022 | 10.1134/S0965542522100050       |
| Моделирование динамики роботизированной платформы подвижности на базе электроцилиндров для тренажерных комплексов                         | Фундаментальные и прикладные проблемы техники и технологии       | 2022 |                                 |
| Application of higher order dynamic mode decomposition to modal analysis and prediction of power systems with renewable sources of energy | International Journal of Electrical Power and Energy Systems     | 2022 | 10.1016/j.ijepes.2021.107925    |
| A computational slip boundary condition for near-wall turbulence modeling                                                                 | Computers and Fluids                                             | 2022 | 10.1016/j.compfluid.2022.105628 |
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| Assessment of the Functional Properties of Thin-Film Materials for Coating Cardiac Pacemaker Electrodes                                   | Biomedical Engineering                                           | 2022 | 10.1007/s10527-022-10164-9      |
| Asymmetric higher-harmonic SQUID as a Josephson diode                                                                                     | Physical Review B                                                | 2022 | 10.1103/PhysRevB.106.134514     |
| Partial randomized benchmarking                                                                                                           | Scientific Reports                                               | 2022 | 10.1038/s41598-022-13813-x      |
| Vortex core near planar defects in a clean layered superconductor                                                                         | Physical Review B                                                | 2022 | 10.1103/PhysRevB.105.134504     |
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| A new robust discharge estimation method applied in the context of SWOT satellite data processing                                         | Journal of Hydrology                                             | 2022 | 10.1016/j.jhydrol.2022.127909   |
| 4D Technology of Variational Data Assimilation for Sea Dynamics Problems                                                                  | Supercomputing Frontiers and Innovations                         | 2022 | 10.14529/jsfi220101             |
| Finite volume method for coupled subsurface flow problems, II: Poroelasticity                                                             | Journal of Computational Physics                                 | 2022 | 10.1016/j.jcp.2022.111225       |
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| Analytical Approximations of the Characteristics of Nighttime Hydroxyl on Mars and Intra-Annual Variations                                | Solar System Research                                            | 2022 | 10.1134/S0038094622330024       |
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| New thieno[3,2-b]indole conjugates with 5-(methylene)rhodanine-3-acetic acid in dye-sensitized solar cells                                                                                                                                                                                                                        | Mendelev Communications                                                                                     | 2022 | 10.1016/j.mencom.2022.07.030 |
| Воспроизведение гидрометеорологических условий Керченского пролива. Часть 1: Верификация технологии                                                                                                                                                                                                                               | Океанологические исследования                                                                               | 2022 |                              |
| REVIEW OF OLEG VIKTOROVICH KOPELEVICH'S WORKS ON OCEAN OPTICS; [ОБЗОР РАБОТ ОЛЕГА ВИКТОРОВИЧА КОПЕЛЕВИЧА ПО ОПТИКЕ ОКЕАНА]                                                                                                                                                                                                        | Fundamental and Applied Hydrophysics                                                                        | 2022 | 10.48612/fpg/vkp2-4p21-rtbh  |
| Approximation of high-resolution surface wind speed in the North Atlantic using discriminative and generative neural models based on RAS-NAAD 40-year hindcast                                                                                                                                                                    | Proceedings of Science                                                                                      | 2022 | 10.22323/1.429.0023          |
| On a Robust Gradient Boosting Scheme Based on Aggregation Functions Insensitive to Outliers                                                                                                                                                                                                                                       | Automation and Remote Control                                                                               | 2022 | 10.1134/S00051179220100149   |
| Алгоритм распознавания летающих объектов в оптическом видеопотоке в условиях динамически изменяющегося фона                                                                                                                                                                                                                       | Вестник Концерна ВКО "Алмаз – Антей"                                                                        | 2022 |                              |
| Систематические и программные ошибки при измерении электрохимических шумов химических источников тока цифровым нановольтметром                                                                                                                                                                                                    | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                              |
| EXAMPLES OF THE WATER DYNAMICS INFLUENCE ON THE SPATIAL DISTRIBUTION OF CHLOROPHYLL A FLUORESCENCE INTENSITY IN THE SURFACE LAYER OF THE BARENTS AND NORWEGIAN SEAS; [ПРИМЕРЫ ВЛИЯНИЯ ДИНАМИКИ ВОД НА ПРОСТРАНСТВЕННОЕ РАСПРЕДЕЛЕНИЕ ИНТЕНСИВНОСТИ ФЛУОРЕСЦЕНЦИИ ХЛОРОФИЛЛА А В ПОВЕРХНОСТНОМ СЛОЕ БАРЕНЦЕВА И НОРВЕЖСКОГО МОРЕЙ] | Fundamental and Applied Hydrophysics                                                                        | 2022 | 10.48612/fpg/dvvv-rrk5-5p2b  |
| АНАЛИЗ КИНЕМАТИКИ ШЕСТИСТЕПЕННОЙ РОБОТИЗИРОВАННОЙ ПЛАТФОРМЫ ПОДВИЖНОСТИ ИСПЫТАТЕЛЬНЫХ СТЕНДОВ И ТРЕНАЖЕРОВ                                                                                                                                                                                                                        | Вестник Белгородского государственного технологического университета им. В.Г. Шухова                        | 2022 |                              |
| Advantage of Regional Algorithms for the Chlorophyll-a Concentration Retrieval from In Situ Optical Measurements in the Kara Sea                                                                                                                                                                                                  | Journal of Marine Science and Engineering                                                                   | 2022 |                              |
| Wind waves in the North Atlantic from ship navigational radar: SeaVision development and its validation with the Spotter wave buoy and WaveWatch III                                                                                                                                                                              | Earth System Science Data                                                                                   | 2022 | 10.5194/essd-14-3615-2022    |
| О ВЗАИМОДЕЙСТВИИ ДВУХ СИММЕТРИЧНЫХ СТАЦИОНАРНЫХ ПЛОСКИХ ВОЛН КОНЕЧНОЙ ИНТЕНСИВНОСТИ В ИДЕАЛЬНОМ ГАЗЕ                                                                                                                                                                                                                              | Ученые записки ЦАГИ                                                                                         | 2022 |                              |
| Influence of the Accuracy of Chlorophyll-Retrieval Algorithms on the Estimation of Solar Radiation Absorbed in the Barents Sea                                                                                                                                                                                                    | Remote Sensing                                                                                              | 2022 | 10.3390/rs14194995           |

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| ЧИСЛЕННОЕ МОДЕЛИРОВАНИЕ СЕЙСМОЭЛЕКТРИЧЕСКИХ ПОЛЕЙ, ВОЗБУЖДАЕМЫХ ИСПУЛЬСНЫМ СЕЙСМИЧЕСКИМ ИСТОЧНИКОМ                                                 | Вестник РАЕН                                                                                                | 2022 |                              |
| ОПЫТ ВАЛИДАЦИИ МОДЕЛЕЙ ТУРБУЛЕНТНОГО ГОРЕНИЯ КЛАССА PaSR И ПЛАНЫ РАЗВИТИЯ ЭТИХ МОДЕЛЕЙ ПРИМЕНИТЕЛЬНО К КАМЕРАМ СГОРАНИЯ ГАЗОТУРБИННЫХ УСТАНОВОК    | Горение и взрыв                                                                                             | 2022 |                              |
| Viscous Flow Near an Oscillating Rotating Cylinder                                                                                                 | Lobachevskii Journal of Mathematics                                                                         | 2022 | 10.1134/S1995080222080042    |
| Спектроскопия электрохимического импеданса литиевых источников тока                                                                                | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                              |
| О подъемной силе в потоке разреженного газа                                                                                                        | Прикладная математика и механика                                                                            | 2022 |                              |
| Искажение формы сферы, смоделированной потенциальным диполем в равномерном потоке, из-за воздействия второго диполя                                | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                              |
| Advantage of Regional Algorithms for the Chlorophyll-a Concentration Retrieval from In Situ Optical Measurements in the Kara Sea                   | Journal of Marine Science and Engineering                                                                   | 2022 | 10.3390/jmse10111587         |
| Сезонная изменчивость водообмена между Тихим и Индийским океанами по данным Арго и численного моделирования                                        | Океанологические исследования                                                                               | 2022 |                              |
| Методика управления группой спутников на основе коммуникационных графов                                                                            | Препринты ИПМ им. М.В. Келдыша                                                                              | 2022 |                              |
| Эффект изменения знака подъемной силы для степенных тел вращения                                                                                   | Вестник Московского государственного областного университета. Серия: Физика-математика                      | 2022 |                              |
| Verification and modification of satellite algorithms for evaluation of suspended matter concentration in the Kara Sea                             | Proceedings of SPIE - The International Society for Optical Engineering                                     | 2022 | 10.1117/12.2645064           |
| Учет стратификации биооптических характеристик для расчета световых полей в водах первого типа                                                     | Океанологические исследования                                                                               | 2022 |                              |
| Data-driven approximation of downward solar radiation flux based on all-sky optical imagery using machine learning models trained on DASIO dataset | Proceedings of Science                                                                                      | 2022 |                              |
| 3D Hypersound Microscopy of van der Waals Heterostructures                                                                                         | Nano Letters                                                                                                | 2022 | 10.1021/acs.nanolett.2c00003 |
| Определение скорости нагрева и температуры ионных цепочек в линейной ловушке Пауля по дефазировке осцилляций Раби                                  | Письма в Журнал экспериментальной и теоретической физики                                                    | 2022 |                              |
| Концентрация метана и значения $\delta^{13}\text{C}$ в метане над Арктическими морями летом и осенью 2020 г.                                       | Океанология                                                                                                 | 2022 |                              |
| On the Applicability of CMEMS Reanalysis Data for Investigation of the Cold Intermediate Layer in the South-Eastern Part of the Baltic Sea         | Pure and Applied Geophysics                                                                                 | 2022 | 10.1007/s00024-022-03130-9   |

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| Results of hydroptical and hydrochemical investigations of the surface layer of water obtained at the transition from the Baltic to the White Sea in June 2021                                     | Proceedings of SPIE - The International Society for Optical Engineering  | 2022 | 10.1117/12.2645075                   |
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| Crystallization of GST225 thin film induced by a single femtosecond laser pulse: Experimental and theoretical study                                                                                | Materials Science in Semiconductor Processing                            | 2022 | 10.1016/j.mssp.2021.106350           |
| Comparison of EMT-Related and Multi-Drug Resistant Gene Expression, Extracellular Matrix Production, and Drug Sensitivity in NSCLC Spheroids Generated by Scaffold-Free and Scaffold-Based Methods | International Journal of Molecular Sciences                              | 2022 | 10.3390/ijms232113306                |
| Cancer types with high numbers of driver events are largely preventable                                                                                                                            | PeerJ                                                                    | 2022 | 10.7717/peerj.12672                  |
| Novel Driver Strength Index highlights important cancer genes in TCGA PanCanAtlas patients                                                                                                         | PeerJ                                                                    | 2022 | 10.7717/peerj.13860                  |
| Comprehensive patient-level classification and quantification of driver events in TCGA PanCanAtlas cohorts                                                                                         | PLoS Genetics                                                            | 2022 | 10.1371/journal.pgen.1009996         |
| Recent advances in therapeutic strategies for triple-negative breast cancer                                                                                                                        | Journal of Hematology and Oncology                                       | 2022 | 10.1186/s13045-022-01341-0           |
| Clinically relevant fusion oncogenes: detection and practical implications                                                                                                                         | Therapeutic Advances in Medical Oncology                                 | 2022 | 10.1177/17588359221144108            |
| Emerging mechanisms of pyroptosis and its therapeutic strategy in cancer                                                                                                                           | Cell Death Discovery                                                     | 2022 | 10.1038/s41420-022-01101-6           |
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| Utilization of DNA double-strand breaks for biodosimetry of ionizing radiation exposure                                                                                                            | Environmental Advances                                                   | 2022 | 10.1016/j.envadv.2022.100207         |
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| Транскриптомный анализ путей репарации ДНК в клетках немелкоклеточного рака лёгкого человека, выживших после мультифракционного рентгеновского облучения                                                                                                                                                                                                 | Бюллетень экспериментальной биологии и медицины                  | 2022 |                                      |
| Issues of the Organization of the Development of Anti-Radiation Agents in Russia in the Aspect of Drug Safety in Case of Radiation Incidents                                                                                                                                                                                                             | Radiatsionnaya Biologiya. Radioekologiya                         | 2022 | 10.31857/S0869803122010131           |
| The Molecular and Cellular Strategies of Glioblastoma and Non-Small-Cell Lung Cancer Cells Conferring Radioresistance                                                                                                                                                                                                                                    | International Journal of Molecular Sciences                      | 2022 | 10.3390/ijms232113577                |
| Phenotypic Characteristics of Dormant Human Non-Small Cell Lung Cancer Cells Surviving Multifraction X-Ray Irradiation                                                                                                                                                                                                                                   | Bulletin of Experimental Biology and Medicine                    | 2022 | 10.1007/s10517-022-05652-7           |
| Issues of Organization of the Development of Antiradiation Agents in Russia for Drug Safety during Radiation Incidents                                                                                                                                                                                                                                   | Biology Bulletin                                                 | 2022 | 10.1134/S1062359022120202            |
| Structure and Circulation of Atlantic Water Masses in the St. Anna Trough in the Kara Sea                                                                                                                                                                                                                                                                | Frontiers in Marine Science                                      | 2022 | 10.3389/fmars.2022.915674            |
| Application of UAV measurements to assess the dynamics of the marginal ice zone in the Kara Sea; [Применение БПЛА-измерений для оценки динамики прикромочной ледовой зоны в Карском море]                                                                                                                                                                | Sovremennye Problemy Distsionnogo Zondirovaniya Zemli iz Kosmosa | 2022 | 10.21046/2070-7401-2022-19-5-235-245 |
| Visual clustering of marine sediment particles using a combination of unsupervised machine learning methods                                                                                                                                                                                                                                              | Proceedings of Science                                           | 2022 |                                      |
| Гидрометеорологическое обеспечение для автономного судовождения в порту                                                                                                                                                                                                                                                                                  | Морские информационно-управляющие системы                        | 2022 |                                      |
| THE CHLOROPHYLL-A CONTENT DISTRIBUTION IN THE ATLANTIC OCEAN IN DECEMBER 2019 - JANUARY 2020 ACCORDING TO SHIP MEASUREMENTS AT THE DIFFERENT HYDROMETEOROLOGICAL CONDITIONS; [РАСПРЕДЕЛЕНИЕ СОДЕРЖАНИЯ ХЛОРОФИЛЛА-А В АТЛАНТИЧЕСКОМ ОКЕАНЕ В ДЕКАБРЕ 2019 Г. - ЯНВАРЕ 2020 Г. ПО ДАННЫМ СУДОВЫХ ИЗМЕРЕНИЙ ПРИ РАЗЛИЧНЫХ ГИДРОМЕТЕОРОЛОГИЧЕСКИХ УСЛОВИЯХ] | Fundamental and Applied Hydrophysics                             | 2022 | 10.48612/fpg/9rxr-badt-2vde          |
| Structure and Circulation of Atlantic Water Masses in the St. Anna Trough in the Kara Sea                                                                                                                                                                                                                                                                | Frontiers in Marine Science                                      | 2022 |                                      |
| Comparison of Convective Terms' Approximations in DES Family Methods                                                                                                                                                                                                                                                                                     | Mathematical Models and Computer Simulations                     | 2022 | 10.1134/S2070048222010057            |
| Poincare Waves and Rossby Waves in Compressible Shallow Water Flows                                                                                                                                                                                                                                                                                      | Journal of Experimental and Theoretical Physics                  | 2022 | 10.1134/S1063776122020091            |

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| ВОЛНЫ ПУАНКАРЕ И ВОЛНЫ РОССБИ В СЖИМАЕМЫХ ТЕЧЕНИЯХ<br>МЕЛКОЙ ВОДЫ                                                                                             | Журнал экспериментальной и теоретической физики                                  | 2022 |                                 |
| Dynamics of ns-SDBD Plasma Formation for Flow Control by Superfast Local Heating                                                                              | AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022        | 2022 | 10.2514/6.2022-2593             |
| General balance functions of identified charged hadron pairs of ( $\pi$ ,K,p) in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV                               | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2022.137338  |
| Production of $\Lambda$ and $K_S^0$ in jets in p–Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV and pp collisions at $\sqrt{s} = 7$ TeV                          | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2022.136984  |
| $K_S^0 K_S^0$ and $K_S^0 K^\pm$ femtoscopy in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV                                                                   | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2022.137335  |
| Multiplicity dependence of charged-particle jet production in pp collisions at $\sqrt{s} = 13$ TeV                                                            | European Physical Journal C                                                      | 2022 | 10.1140/epjc/s10052-022-10405-x |
| Publisher Correction: Direct observation of the dead-cone effect in quantum chromodynamics (Nature, (2022), 605, 7910, (440-446), 10.1038/s41586-022-04572-w) | Nature                                                                           | 2022 | 10.1038/s41586-022-05026-z      |
| Hypertriton Production in p -Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV                                                                                      | Physical Review Letters                                                          | 2022 | 10.1103/PhysRevLett.128.252003  |
| Measurement of $K^*(892)^\pm$ production in inelastic pp collisions at the LHC                                                                                | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2022.137013  |
| Inclusive, prompt and non-prompt $J/\psi$ production at midrapidity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV                                          | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP06(2022)011         |
| Forward rapidity $J/\psi$ production as a function of charged-particle multiplicity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV                          | Journal of High Energy Physics                                                   | 2022 |                                 |
| Direct observation of the dead-cone effect in quantum chromodynamics                                                                                          | Nature                                                                           | 2022 | 10.1038/s41586-022-04572-w      |
| Charm-quark fragmentation fractions and production cross section at midrapidity in pp collisions at the LHC                                                   | Physical Review D                                                                | 2022 | 10.1103/PhysRevD.105.L011103    |
| Characterizing the initial conditions of heavy-ion collisions at the LHC with mean transverse momentum and anisotropic flow correlations                      | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2022.137393  |
| Prompt $D^0$ , $D^+$ , and $D^{*+}$ production in Pb–Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV                                                              | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP01(2022)174         |
| Study of very forward energy and its correlation with particle production at midrapidity in pp and p-Pb collisions at the LHC                                 | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP08(2022)086         |
| Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 13$ TeV                                                                                      | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP01(2022)106         |
| Observation of a multiplicity dependence in the $p_T$ -differential charm baryon-to-meson ratios in proton–proton collisions at $\sqrt{s} = 13$ TeV           | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2022.137065  |

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| Extending the ALICE strong-interaction studies to nuclei: measurement of proton-deuteron correlations in pp collisions at $\sqrt{s} = 13$ TeV | Proceedings of Science                                                           | 2022 |                                |
| Measurements of the groomed and ungroomed jet angularities in pp collisions at $\sqrt{s} = 5.02$ TeV                                          | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP05(2022)061        |
| Особенности функций распределения по скоростям и энергиям для пылевой фракции в присутствии пыле-акустического солитона                       | Вестник Объединенного института высоких температур                               | 2022 |                                |
| Lipid Alterations in Early-Stage High-Grade Serous Ovarian Cancer                                                                             | Frontiers in Molecular Biosciences                                               | 2022 | 10.3389/fmolb.2022.770983      |
| Low-filled suspensions of $\alpha$ -chitin nanorods for electrorheological applications                                                       | Carbohydrate Polymers                                                            | 2022 | 10.1016/j.carbpol.2021.118792  |
| Equation of State for Bismuth at High Energy Densities                                                                                        | Energies                                                                         | 2022 | 10.3390/en15197067             |
| Influence of Ion–Acoustic Solitons on Distribution Functions of Background Plasma                                                             | Plasma Physics Reports                                                           | 2022 |                                |
| Influence of Ion–Acoustic Solitons on Distribution Functions of Background Plasma                                                             | Plasma Physics Reports                                                           | 2022 | 10.1134/S1063780X2260075X      |
| Электрическое поле в положительном стримере в длинных воздушных промежутках                                                                   | Физика плазмы                                                                    | 2022 |                                |
| Kinetics of charged species in non-equilibrium plasma in water vapor- and hydrocarbon-containing gaseous mixtures                             | Journal of Physics D: Applied Physics                                            | 2022 | 10.1088/1361-6463/ac7d7c       |
| Numerical modeling of NS discharge development in inhomogeneous magnetic field                                                                | AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022        | 2022 | 10.2514/6.2022-2122            |
| Nuclear modification factor of light neutral-meson spectra up to high transverse momentum in p–Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV      | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2022.136943 |
| Production and Reconstruction Model of the $\chi$ CJ States at the ALICE Experiment at the Large Hadron Collider                              | Physics of Atomic Nuclei                                                         | 2022 | 10.1134/S1063778822140149      |
| Production of $K^*(892)0$ and $\phi(1020)$ in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV                                             | Physical Review C                                                                | 2022 | 10.1103/PhysRevC.106.034907    |
| Neutral to charged kaon yield fluctuations in Pb – Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV                                                  | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2022.137242 |
| Melting of Titanium by a Shock Wave Generated by an Intense Femtosecond Laser Pulse (vol 115, pg 523, 2022)                                   | JETP LETT+                                                                       | 2022 |                                |
| Seismogenic Patches in a Tectonic Fault Interface                                                                                             | Frontiers in Earth Science                                                       | 2022 | 10.3389/feart.2022.904814      |
| ПРИМЕНЕНИЕ МЕТОДА РЕГУЛЯРИЗАЦИИ КВАДРАТИЧНОГО ОТКЛОНЕНИЯ ДЛЯ АНАЛИЗА РЕЗУЛЬТАТОВ ЛАБОРАТОРНЫХ ИССЛЕДОВАНИЙ НЕЛИНЕЙНЫХ ФИЛЬТРАЦИОННЫХ ПОТОКОВ  | Динамические процессы в геосферах                                                | 2022 |                                |
| Prospects of Geoinformatics in Analyzing Spatial Heterogeneities of Microstructural Properties of a Tectonic Fault                            | Applied Sciences (Switzerland)                                                   | 2022 | 10.3390/app12062864            |

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| Erratum: Influence of temporal variations in plasma conditions on the electric potential near self-organized dust chains (Phys. Plasmas (2022) 29 (023701) DOI: 10.1063/5.0075261) | Physics of Plasmas                                                                           | 2022 | 10.1063/5.0089935               |
| Анализ коннотации ситуации на примере оценки реакции социума: данные социальных медиа                                                                                              | Речевые технологии                                                                           | 2022 |                                 |
| Emotion recognition from Persian speech with 1D Convolution neural network                                                                                                         | Proceedings - 4th International Conference "Neurotechnologies and Neurointerfaces", CNN 2022 | 2022 | 10.1109/CNN56452.2022.9912532   |
| Семантический искусственный интеллект                                                                                                                                              | Речевые технологии                                                                           | 2022 |                                 |
| Влияние ионно-звуковых солитонов на функции распределения фоновой плазмы                                                                                                           | Физика плазмы                                                                                | 2022 |                                 |
| Effect of the temperature of an electrode microprotrusion on the microcrater formation on the electrode surface upon pulsed and radiofrequency vacuum breakdowns                   | Vacuum                                                                                       | 2022 | 10.1016/j.vacuum.2022.111364    |
| Dust-acoustic nonlinear waves in a nanoparticle fraction of ultracold (2K) multicomponent dusty plasma                                                                             | Molecules                                                                                    | 2022 | 10.3390/molecules27010227       |
| Плавление титана ударной волной, вызванной мощным фемтосекундным лазерным импульсом                                                                                                | Письма в Журнал экспериментальной и теоретической физики                                     | 2022 |                                 |
| Measurement of inclusive charged-particle b-jet production in pp and p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV                                                                 | Journal of High Energy Physics                                                               | 2022 | 10.1007/JHEP01(2022)178         |
| First study of the two-body scattering involving charm hadrons                                                                                                                     | Physical Review D                                                                            | 2022 | 10.1103/PhysRevD.106.052010     |
| Prompt and non-prompt $J/\psi$ production cross sections at midrapidity in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV                                                | Journal of High Energy Physics                                                               | 2022 | 10.1007/JHEP03(2022)190         |
| Measurement of the Groomed Jet Radius and Momentum Splitting Fraction in pp and Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV                                                     | Physical Review Letters                                                                      | 2022 | 10.1103/PhysRevLett.128.102001  |
| Measurement of beauty production via non-prompt $D^0$ mesons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV                                                                     | Journal of High Energy Physics                                                               | 2022 | 10.1007/JHEP12(2022)126         |
| Antihelium-3 fluxes near Earth using data-driven estimates for annihilation cross section                                                                                          | Proceedings of Science                                                                       | 2022 |                                 |
| Forward rapidity $J/\psi$ production as a function of charged-particle multiplicity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV                                               | Journal of High Energy Physics                                                               | 2022 | 10.1007/JHEP06(2022)015         |
| Production of light (anti)nuclei in pp collisions at $\sqrt{s}=5.02$ TeV                                                                                                           | European Physical Journal C                                                                  | 2022 | 10.1140/epjc/s10052-022-10241-z |
| Exploring the $NA-N\Sigma$ coupled system with high precision correlation techniques at the LHC                                                                                    | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics             | 2022 | 10.1016/j.physletb.2022.137272  |
| Investigating the role of strangeness in baryon-antibaryon annihilation at the LHC                                                                                                 | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics             | 2022 | 10.1016/j.physletb.2022.137060  |
| Polarization of $\Lambda$ and $\bar{\Lambda}$ Hyperons along the Beam Direction in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV                                                    | Physical Review Letters                                                                      | 2022 | 10.1103/PhysRevLett.128.172005  |

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| Measurement of prompt Ds+-meson production and azimuthal anisotropy in Pb–Pb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$                                          | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2022.136986  |
| Investigating charm production and fragmentation via azimuthal correlations of prompt D mesons with charged particles in pp collisions at $\sqrt{s}=13\text{ TeV}$ | European Physical Journal C                                                      | 2022 | 10.1140/epjc/s10052-022-10267-3 |
| Prompt and non-prompt $J/\psi$ production cross sections at midrapidity in proton-proton collisions at $\sqrt{s} = 5.02$ and $13\text{ TeV}$                       | Journal of High Energy Physics                                                   | 2022 |                                 |
| Влияние электрического поля на скорость образования положительных гидратированных ионов в плазме с парами воды                                                     | Физика плазмы                                                                    | 2022 |                                 |
| Analysis of the efficiency of MHD cycle supported by ns pulsed discharge pre-ionization                                                                            | AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022        | 2022 | 10.2514/6.2022-0827             |
| Dust dynamics in the lunar dusty plasmas: Effects of magnetic fields and dust charge variations                                                                    | Physics of Plasmas                                                               | 2022 | 10.1063/5.0077732               |
| Electric Field in a Positive Streamer in Long Air Gaps                                                                                                             | Plasma Physics Reports                                                           | 2022 | 10.1134/S1063780X22700222       |
| Topological Insulator Films for Terahertz Photonics                                                                                                                | Nanomaterials                                                                    | 2022 | 10.3390/nano12213779            |
| Digital Analysis and Processing of 3D Reconstructions of Human Canine Teeth                                                                                        | Труды Международной конференции по компьютерной графике и зрению "Графикон"      | 2022 |                                 |
| Semantic 3D Reconstruction of a Scene and Its Effective Visualisation                                                                                              | Труды Международной конференции по компьютерной графике и зрению "Графикон"      | 2022 |                                 |
| Флуоресцентные хемосенсорные материалы                                                                                                                             | Химия высоких энергий                                                            | 2022 |                                 |
| Photoprocesses in dimers and dimeric complexes of polymethine dyes with cucurbiturils                                                                              | Russian Chemical Bulletin                                                        | 2022 | 10.1007/s11172-022-3398-1       |
| Perspective on Terahertz Applications of Molecular Crystals                                                                                                        | Electronics (Switzerland)                                                        | 2022 | 10.3390/electronics11172731     |
| Ratiometric Singlet Oxygen Sensor Based on BODIPY-DPA Dyad                                                                                                         | Molecules                                                                        | 2022 | 10.3390/molecules27249060       |
| Intramolecular H-type dimer and excimer formation in dibenzoylmethanatotoboron difluoride dyads connected via diphenylsiloxane linkers                             | Dyes and Pigments                                                                | 2022 | 10.1016/j.dyepig.2022.110852    |
| Novel DBMBF2-BODIPY dyads connected via a flexible linker: synthesis and photophysical properties                                                                  | New Journal of Chemistry                                                         | 2022 | 10.1039/d2nj01786e              |
| Development of Multichromophore Supramolecular Devices and Machines                                                                                                | High Energy Chemistry                                                            | 2022 | 10.1134/S0018143922010052       |
| Разработка мультихромофорных супрамолекулярных устройств и машин                                                                                                   | Химия высоких энергий                                                            | 2022 |                                 |
| Fluorescent Chemosensor Materials                                                                                                                                  | High Energy Chemistry                                                            | 2022 | 10.1134/S0018143922010118       |
| Фотопроцессы в димерах и димерных комплексах полиметиновых красителей с кукурбитурилами                                                                            | Известия Академии наук. Серия химическая                                         | 2022 |                                 |

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| Long-lived room temperature phosphorescent system: Phenanthrene- $\beta$ -cyclodextrin-tert-butylbenzene. Spectra and structure computer simulations | Journal of Luminescence                                                                                        | 2022 | 10.1016/j.jlumin.2021.118581                     |
| CALIBRATION OF PHOTOGRAMMETRIC SYSTEM FOR 3D MEASUREMENTS IN INACCESSIBLE MULTIMEDIA WORKING SPACE                                                   | International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives | 2022 | 10.5194/isprs-archives-XLIII-B2-2022-703-2022    |
| Accurate 3D Visualization of Real Flow in Aerodynamic Study                                                                                          | Scientific Visualization                                                                                       | 2022 | 10.26583/sv.14.5.07                              |
| Photogrammetric 3D Measurements and Visualization of Flow in Hydrodynamic Tunnel                                                                     | Труды Международной конференции по компьютерной графике и зрению "Графикон"                                    | 2022 |                                                  |
| IMAGE ORIENTATION BY EMBEDDING IN A GAN LATENT SPACE                                                                                                 | International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives | 2022 | 10.5194/isprs-archives-XLVIII-2-W2-2022-149-2022 |
| Twisted Polaritonic Crystals in Thin van der Waals Slabs                                                                                             | Laser and Photonics Reviews                                                                                    | 2022 | 10.1002/lpor.202200428                           |
| О НАХОЖДЕНИИ ОБОБЩЕННОГО АНАЛИТИЧЕСКОГО РЕШЕНИЯ ПЛОСКОЙ ЗАДАЧИ КУЭТТА ДЛЯ ТУРБУЛЕНТНОГО РЕЖИМА ТЕЧЕНИЯ ЖИДКОСТИ                                      | Труды МАИ                                                                                                      | 2022 |                                                  |
| ОБОБЩЕННОЕ АНАЛИТИЧЕСКОЕ РЕШЕНИЕ ПЛОСКОЙ ЗАДАЧИ ПУАЗЕЙЛЯ ДЛЯ ТУРБУЛЕНТНОГО РЕЖИМА ТЕЧЕНИЯ НЕСЖИМАЕМОЙ ЖИДКОСТИ                                       | Труды МАИ                                                                                                      | 2022 |                                                  |
| REINFORCEMENT LEARNING FOR AUTONOMOUS 3D DATA RETRIEVAL USING A MOBILE ROBOT                                                                         | International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives | 2022 | 10.5194/isprs-archives-XLIII-B2-2022-553-2022    |
| ИССЛЕДОВАНИЕ И ИНТЕРПРЕТАЦИЯ КОНСТРУКТА "ЦЕЛЕНАПРАВЛЕННАЯ СИСТЕМА" МЕТОДАМИ КОНЦЕПТУАЛЬНОГО АНАЛИЗА                                                  | Современная наука: актуальные проблемы теории и практики. Серия: Естественные и технические науки              | 2022 |                                                  |
| On the Role of Magnetic Fields in the Plasma of Dusty Lunar Exosphere                                                                                | Plasma Physics Reports                                                                                         | 2022 | 10.1134/S1063780X22200065                        |
| Formation and Classification of Jumps and Solitary Shock Waves in Isentropic Flows of Polytropic Continuous Media                                    | JETP Letters                                                                                                   | 2022 | 10.1134/S0021364022601129                        |
| Resonant interactions of magneto-Poincaré and magneto-Rossby waves in quasi-two-dimensional rotating astrophysical plasma                            | Monthly Notices of the Royal Astronomical Society                                                              | 2022 | 10.1093/mnras/stab2957                           |
| Формирование и классификация скачков и уединенных ударных волн в изэнтропических течениях политропных сплошных сред                                  | Письма в Журнал экспериментальной и теоретической физики                                                       | 2022 |                                                  |
| New Designs of Laser Transitions in Terahertz Quantum-Cascade Lasers                                                                                 | Radiophysics and Quantum Electronics                                                                           | 2022 | 10.1007/s11141-023-10228-0                       |
| Thin active region HgCdTe-based quantum cascade laser with quasi-relativistic dispersion law                                                         | Optics Letters                                                                                                 | 2022 | 10.1364/OL.470688                                |
| МЕТОД КАЛИБРОВКИ АНТЕННЫХ РЕШЕТОК В БЛИЖНЕМ ПОЛЕ С ПРИМЕНЕНИЕМ ИНФРАКРАСНОЙ ТЕРМОГРАФИИ                                                              | Двойные технологии                                                                                             | 2022 |                                                  |

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| FEATURES OF THE SEISMIC PROCESS IN THE WESTERN PART OF THE ALEUTIAN SUBDUCTION ZONE AND THEIR POSSIBLE RELATIONSHIP WITH CLIMATE CHANGES IN THE ARCTIC                                                                                                                                                  | Arktika: Ekologia i Ekonomika                                                                               | 2022 | 10.25283/2223-4594-2022-1-58-67 |
| The Influence of Electric Field on the Rate of Formation of Positive Hydrated Ions in Plasma-Containing Water Vapor                                                                                                                                                                                     | Plasma Physics Reports                                                                                      | 2022 | 10.1134/S1063780X22020118       |
| Influence of temporal variations in plasma conditions on the electric potential near self-organized dust chains                                                                                                                                                                                         | Physics of Plasmas                                                                                          | 2022 | 10.1063/5.0075261               |
| Equation of state for iridium at high pressures                                                                                                                                                                                                                                                         | Journal of Physics: Conference Series                                                                       | 2022 | 10.1088/1742-6596/2154/1/012009 |
| О новом семействе $ABC$ -троек вида $a + 1 = b$                                                                                                                                                                                                                                                         | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                 |
| Seismoelectric Effect Associated with Rayleigh Wave Propagation                                                                                                                                                                                                                                         | Izvestiya, Physics of the Solid Earth                                                                       | 2022 | 10.1134/S1069351322020033       |
| NUMERICAL SIMULATION OF THE CATASTROPHIC EARTHQUAKE AND TSUNAMI IN CHILE ON 9 MAY 1877                                                                                                                                                                                                                  | Science of Tsunami Hazards                                                                                  | 2022 |                                 |
| NUMERICAL SIMULATION OF THE CATASTROPHIC EARTHQUAKE AND TSUNAMI IN CHILE ON 9 MAY 1877                                                                                                                                                                                                                  | Science of Tsunami Hazards                                                                                  | 2022 |                                 |
| Trigger Mechanisms of Gas Hydrate Decomposition, Methane Emissions, and Glacier Breakups in Polar Regions as a Result of Tectonic Wave Deformation                                                                                                                                                      | Geosciences (Switzerland)                                                                                   | 2022 | 10.3390/geosciences12100372     |
| GEODYNAMIC MODEL OF THE INTERACTION OF THE SUBDUCTION ZONE WITH THE CONTINENTAL LITHOSPHERE IN THE AREA OF TRANSITION BETWEEN THE PACIFIC OCEAN AND EAST ASIA; [ГЕОДИНАМИЧЕСКАЯ МОДЕЛЬ ВЗАИМОДЕЙСТВИЯ ЗОНЫ СУБДУКЦИИ С КОНТИНЕНТАЛЬНОЙ ЛИТОСФЕРОЙ В ОБЛАСТИ ПЕРЕХОДА ОТ ТИХОГО ОКЕАНА К ВОСТОЧНОЙ АЗИИ] | Geodynamics and Tectonophysics                                                                              | 2022 | 10.5800/GT-2022-13-5-0675       |
| Features of the Largest Earthquake Seismic Cycles in the Western Part of the Aleutian Subduction Zone                                                                                                                                                                                                   | Geosciences (Switzerland)                                                                                   | 2022 | 10.3390/geosciences12030107     |
| Using Pseudo-Random Code Sequences for Improving the Efficiency of Near-Field Transient Electromagnetic Sounding on the Arctic Shelf                                                                                                                                                                    | Izvestiya, Physics of the Solid Earth                                                                       | 2022 | 10.1134/S1069351322050020       |
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| Formal Rules to Produce Object Notation for EXPRESS Schema-Driven Data                                                                                                                                                                                                                                  | Programming and Computer Software                                                                           | 2022 | 10.1134/S0361768822070076       |
| Spreading and accumulation of river-borne sediments in the coastal ocean after the environmental disaster at the Doce River in Brazil                                                                                                                                                                   | Ocean and Coastal Research                                                                                  | 2022 | 10.1590/2675-2824070.21097atl   |

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| Augmented data routing algorithms for satellite delay-tolerant networks. Development and validation; [О подходе к разработке и валидации алгоритмов маршрутизации на разрывных сетях]                               | Computer Research and Modeling                  | 2022 | 10.20537/2076-7633-2022-14-4-983-993 |
| Сравнение инструментов высокоуровневого синтеза и конструирования цифровой аппаратуры                                                                                                                               | Труды Института системного программирования РАН | 2022 |                                      |
| Методы определения элементов PQRST-комплекса электрокардиограммы                                                                                                                                                    | Труды Института системного программирования РАН | 2022 |                                      |
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| HiMoRNA: A Comprehensive Database of Human lncRNAs Involved in Genome-Wide Epigenetic Regulation                                                                                                                    | Non-coding RNA                                  | 2022 | 10.3390/ncrna8010018                 |
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| The Technical State of Engineering Systems as an Important Factor of Heat Supply Organizations Management in Modern Conditions                                                                                      | Energies                                        | 2022 | 10.3390/en15031015                   |
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| Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s}=7$ , 8 and 13 TeV                                                                         | European Physical Journal C                     | 2022 | 10.1140/epjc/s10052-022-10217-z      |

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| Two-particle Bose–Einstein correlations in pp collisions at $\sqrt{s}=13$ TeV measured with the ATLAS detector at the LHC                                             | European Physical Journal C                                                      | 2022 | 10.1140/epjc/s10052-022-10472-0      |
| Double ring polariton condensates with polariton vortices                                                                                                             | Nanosystems: Physics, Chemistry, Mathematics                                     | 2022 | 10.17586/2220-8054-2022-13-6-608-614 |
| Ballistic transport of a polariton ring condensate with spin precession                                                                                               | Physical Review B                                                                | 2022 | 10.1103/PhysRevB.106.245309          |
| Outlook on Differential Equations for Feynman Integrals (Brief Review)                                                                                                | JETP Letters                                                                     | 2022 | 10.1134/S0021364022100447            |
| Topological recursion for monotone orbifold Hurwitz numbers: a proof of the Do-Karev conjecture                                                                       | ANN SCUOLA NORM-SCI                                                              | 2022 |                                      |
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| Implications for colored HOMFLY polynomials from explicit formulas for group-theoretical structure                                                                    | Nuclear Physics B                                                                | 2022 | 10.1016/j.nuclphysb.2021.115644      |
| Superintegrability of matrix Student's distribution                                                                                                                   | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2021.136833       |
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| From superintegrability to tridiagonal representation of $\beta$ -ensembles                                                                                           | PHYS LETT B                                                                      | 2022 |                                      |
| Polynomial representations of classical Lie algebras and flag varieties                                                                                               | PHYS LETT B                                                                      | 2022 |                                      |
| Evolution properties of the knot's defect                                                                                                                             | EUR PHYS J C                                                                     | 2022 |                                      |
| Differential expansion for antiparallel triple pretzels: the way the factorization is deformed                                                                        | EUR PHYS J C                                                                     | 2022 |                                      |
| Evolution properties of the knot's defect (vol 82, 787, 2022)                                                                                                         | EUR PHYS J C                                                                     | 2022 |                                      |
| Dynamic performance-Energy tradeoff consolidation with contention-aware resource provisioning in containerized clouds                                                 | PLoS ONE                                                                         | 2022 | 10.1371/journal.pone.0261856         |
| Motion Control of Autonomous Wheeled Robots in Precision Agriculture                                                                                                  | Gyroscopy and Navigation                                                         | 2022 | 10.1134/S2075108722010072            |
| General Solution of the Problem of Synthesis of a Gradient Lens with Central Symmetry                                                                                 | Journal of Communications Technology and Electronics                             | 2022 | 10.1134/S1064226922080162            |

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| Модификация алгоритма обнаружения и локализации ошибки в системе остаточных классов                                                                                                                                                              | Труды Института системного программирования РАН                                                             | 2022 |                                 |
| Peculiar Features of Quantum Oscillator Excitation by Pulses with Different Envelopes                                                                                                                                                            | Mathematics                                                                                                 | 2022 | 10.3390/math10081227            |
| Линейный осциллятор в электромагнитном поле:соответствие классического и квантового описания                                                                                                                                                     | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                 |
| Modified Error Detection and Localization in the Residue Number System                                                                                                                                                                           | Programming and Computer Software                                                                           | 2022 | 10.1134/S0361768822080126       |
| En-AR-PRNS: Entropy-Based Reliability for Configurable and Scalable Distributed Storage Systems                                                                                                                                                  | Mathematics                                                                                                 | 2022 | 10.3390/math10010084            |
| Эффект насыщения при импульсном возбуждении квантового осциллятора                                                                                                                                                                               | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                 |
| Measurements of differential cross-sections in top-quark pair events with a high transverse momentum top quark and limits on beyond the Standard Model contributions to top-quark pair production with the ATLAS detector at $\sqrt{s} = 13$ TeV | Journal of High Energy Physics                                                                              | 2022 | 10.1007/JHEP06(2022)063         |
| Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at 13 TeV with the ATLAS detector                       | European Physical Journal C                                                                                 | 2022 | 10.1140/epjc/s10052-021-09878-z |
| The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2                                                                                                                                                         | European Physical Journal C                                                                                 | 2022 | 10.1140/epjc/s10052-021-09920-0 |
| Performance of the ATLAS Level-1 topological trigger in Run 2                                                                                                                                                                                    | European Physical Journal C                                                                                 | 2022 | 10.1140/epjc/s10052-021-09807-0 |
| Laser Radiation Losses in Passive Optical Fibers With Copper Winding                                                                                                                                                                             | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss                                        | 2022 | 10.1109/ICLO54117.2022.9839846  |
| Measurement of optical absorption coefficient of lithium triborate under the high-power CW laser radiation with Pierce oscillator circuit                                                                                                        | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss                                        | 2022 | 10.1109/ICLO54117.2022.9840150  |
| Patient specific approach to analysis of shear-induced platelet activation in haemodialysis arteriovenous fistula                                                                                                                                | PLoS ONE                                                                                                    | 2022 | 10.1371/journal.pone.0272342    |
| Влияние сулодексида на состояние эндотелия и клеток крови у больных COVID-19                                                                                                                                                                     | Терапия                                                                                                     | 2022 |                                 |
| Effect of Sulodexide on Circulating Blood Cells in Patients with Mild COVID-19                                                                                                                                                                   | Journal of Clinical Medicine                                                                                | 2022 | 10.3390/jcm11071995             |
| Accelerated Proximal Envelopes: Application to Componentwise Methods                                                                                                                                                                             | Computational Mathematics and Mathematical Physics                                                          | 2022 | 10.1134/S0965542522020038       |

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| Ускоренные проксимальные оболочки: применение к покомпонентному методу                                                                                                          | Журнал вычислительной математики и математической физики | 2022 |                                 |
| Operation and performance of the ATLAS semiconductor tracker in LHC Run 2                                                                                                       | Journal of Instrumentation                               | 2022 | 10.1088/1748-0221/17/01/P01013  |
| Search for long-lived charginos based on a disappearing-track signature using 136 fb <sup>-1</sup> of pp collisions at $\sqrt{s}$ = 13 TeV with the ATLAS detector              | European Physical Journal C                              | 2022 | 10.1140/epjc/s10052-022-10489-5 |
| Search for resonant pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state using pp collisions at $\sqrt{s}$ = 13 TeV with the ATLAS detector                    | Physical Review D                                        | 2022 | 10.1103/PhysRevD.105.092002     |
| Search for single production of a vectorlike T quark decaying into a Higgs boson and top quark with fully hadronic final states using the ATLAS detector                        | Physical Review D                                        | 2022 | 10.1103/PhysRevD.105.092012     |
| Search for heavy particles in the b -tagged dijet mass distribution with additional b -tagged jets in proton-proton collisions at $\sqrt{s}$ = 13 TeV with the ATLAS experiment | Physical Review D                                        | 2022 | 10.1103/PhysRevD.105.012001     |
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| Constraints on Higgs boson production with large transverse momentum using $H \rightarrow b\bar{b}$ decays in the ATLAS detector                                                | Physical Review D                                        | 2022 | 10.1103/PhysRevD.105.092003     |
| Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}$ = 13 TeV with the ATLAS detector                             | European Physical Journal C                              | 2022 | 10.1140/epjc/s10052-022-10182-7 |
| Measurement of the energy asymmetry in $t\bar{t}j$ production at 13 TeV with the ATLAS experiment and interpretation in the SMEFT framework                                     | European Physical Journal C                              | 2022 | 10.1140/epjc/s10052-022-10101-w |
| Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s}$ = 13 TeV collected with the ATLAS detector                            | European Physical Journal C                              | 2022 | 10.1140/epjc/s10052-021-09843-w |
| Emulating the impact of additional proton–proton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events                                       | Computing and Software for Big Science                   | 2022 | 10.1007/s41781-021-00062-2      |
| AtlFast3: The Next Generation of Fast Simulation in ATLAS                                                                                                                       | Computing and Software for Big Science                   | 2022 | 10.1007/s41781-021-00079-7      |
| Measurement of the energy response of the ATLAS calorimeter to charged pions from $W\pm \rightarrow \tau\pm(\rightarrow \pi\pm\nu\tau)\nu\tau$ events in Run 2 data             | European Physical Journal C                              | 2022 | 10.1140/epjc/s10052-022-10117-2 |
| Exotic meson $\pi_1(1600)$ with $J^{PC}=1^{-+}$ and its decay into $\rho(770)\pi$                                                                                               | Physical Review D                                        | 2022 | 10.1103/PhysRevD.105.012005     |

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| Erratum to: Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector (The European Physical Journal C, (2016), 76, 2, (55), 10.1140/epjc/s10052-016-3876-4) | European Physical Journal C                                            | 2022 | 10.1140/epjc/s10052-021-09929-5  |
| Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb <sup>-1</sup> of pp collision data at $\sqrt{s} = 13$ TeV                   | Journal of High Energy Physics                                         | 2022 | 10.1007/JHEP03(2022)041          |
| Probing transversity by measuring $\Lambda$ polarisation in SIDIS                                                                                                                                                | PHYS LETT B                                                            | 2022 |                                  |
| Constraints on Higgs boson properties using $WW^*(\rightarrow e\nu\mu\nu)$ jj production in 36.1fb <sup>-1</sup> of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector                                      | European Physical Journal C                                            | 2022 | 10.1140/epjc/s10052-022-10366-1  |
| Search for neutral long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter                                                                 | Journal of High Energy Physics                                         | 2022 | 10.1007/JHEP06(2022)005          |
| Layered Gradient Cylindrical Lens with Axial Symmetry                                                                                                                                                            | Proceedings - 2022 IEEE 8th All-Russian Microwave Conference, RMC 2022 | 2022 | 10.1109/RMC55984.2022.10079354   |
| Saturation Effect Produced by Laser Pulses: Karplus–Schwinger Approach versus Bloch Solution                                                                                                                     | Atoms                                                                  | 2022 | 10.3390/atoms10040111            |
| Homogeneous heating of biological tissues with laser radiation                                                                                                                                                   | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss   | 2022 | 10.1109/ICLO54117.2022.9839771   |
| Задачи управления движением автономных колесных роботов в точном земледелии                                                                                                                                      | Гироскопия и навигация                                                 | 2022 |                                  |
| Magnetic domain wall motion driven by an acoustic wave                                                                                                                                                           | Ultrasonics                                                            | 2022 | 10.1016/j.ultras.2021.106588     |
| Parity-Time Symmetry in Planar Coupled Magnonic Heterostructures                                                                                                                                                 | Physical Review Applied                                                | 2022 | 10.1103/PhysRevApplied.18.014003 |
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| Optically initialized and current-controlled logical element based on antiferromagnetic-heavy metal heterostructures for neuromorphic computing                                                                  | Applied Physics Letters                                                | 2022 | 10.1063/5.0079532                |
| Gap solitons in heterostructure magnonic crystal/semiconductor                                                                                                                                                   | Journal of Physics D: Applied Physics                                  | 2022 | 10.1088/1361-6463/ac791a         |
| Hypersonic magnetoelastic waves in inhomogeneous structures                                                                                                                                                      | Ultrasonics                                                            | 2022 | 10.1016/j.ultras.2021.106656     |
| Нелинейный резонанс при возбуждении магнитного нанопилиндра спин-поляризованным током                                                                                                                            | Письма в Журнал экспериментальной и теоретической физики               | 2022 |                                  |
| Spin Navigator Based on Correcting Dipoles of the JINR Nuclotron                                                                                                                                                 | JETP Letters                                                           | 2022 | 10.1134/S0021364022601762        |
| Study of Nuclear Fragmentation at Heavy Ion Colliders                                                                                                                                                            | Physics of Particles and Nuclei                                        | 2022 | 10.1134/S1063779622020800        |
| Reversible Valence Transition $\text{Eu}^{3+} \rightarrow \text{Eu}^{2+} \rightarrow \text{Eu}^{3+}$ in (Formula Presented.) (M = Ti, Zr, Hf): An Analysis of XAFS and XRD Data                                  | Crystallography Reports                                                | 2022 | 10.1134/S1063774522060177        |

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| Микроплоттерная печать иерархически организованных планарных наноструктур состава NiCo 2 O 4                                                           | Журнал неорганической химии                                                                                                          | 2022 |                                 |
| Простые примеры неабелевой фермионной Т-дуальности в супергравитации                                                                                   | Ученые записки физического факультета Московского университета                                                                       | 2022 |                                 |
| Search for exotic physics in double- $\beta$ decays with GERDA Phase II                                                                                | Journal of Cosmology and Astroparticle Physics                                                                                       | 2022 | 10.1088/1475-7516/2022/12/012   |
| Numerical Analysis of the Model of Optimal Savings and Borrowing                                                                                       | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-031-22543-7_12    |
| ОЦЕНКА МАКРОЭКОНОМИЧЕСКИХ ЭФФЕКТОВ В МАТЕМАТИЧЕСКОЙ МОДЕЛИ ПРЕДЛОЖЕНИЯ НА РЫНКЕ ТРУДА В УСЛОВИЯХ ЭПИДЕМИИ                                              | Математическое и компьютерное моделирование в экономике, страховании и управлении рисками                                            | 2022 |                                 |
| Application of Machine Learning in the producer's optimal control problem with non-stable demand                                                       | INT C CONTROL DECISI                                                                                                                 | 2022 |                                 |
| Application of Machine Learning in the producer's optimal control problem with non-stable demand                                                       | 2022 8th International Conference on Control, Decision and Information Technologies, CoDIT 2022                                      | 2022 | 10.1109/CoDIT55151.2022.9803997 |
| Method of Calculating the Probability of a Safe Landing for Ship-Based Aircraft                                                                        | IEEE Transactions on Aerospace and Electronic Systems                                                                                | 2022 | 10.1109/TAES.2022.3171745       |
| ОЦЕНКА МАКРОЭКОНОМИЧЕСКИХ ЭФФЕКТОВ В МАТЕМАТИЧЕСКОЙ МОДЕЛИ РАСПРОСТРАНЕНИЯ ЭПИДЕМИИ                                                                    | Математическое и компьютерное моделирование в экономике, страховании и управлении рисками                                            | 2022 |                                 |
| Экспериментальное исследование отражательной способности сверхпроводящих плёнок на основе ниобия в субтерагерцовом диапазоне частот                    | Известия вузов. Радиофизика                                                                                                          | 2022 |                                 |
| Laser Shock Wave: The Plasticity and Thickness of the Residual Deformation Layer and the Transition from the Elastoplastic to Elastic Propagation Mode | JETP Letters                                                                                                                         | 2022 | 10.1134/S0021364022020047       |
| The Nonlinear Model of Intersectoral Linkages of Kazakhstan for Macroeconomic Decision-Making Processes in Sustainable Supply Chain Management         | Sustainability (Switzerland)                                                                                                         | 2022 | 10.3390/su142114375             |
| A Model of Investment Behavior of Enterprise Owner in an Imperfect Capital Market                                                                      | Lobachevskii Journal of Mathematics                                                                                                  | 2022 | 10.1134/S1995080222070198       |
| NONLINEAR INPUT-OUTPUT BALANCE AND YOUNG DUALITY: ANALYSIS OF COVID-19 MACROECONOMIC IMPACT ON KAZAKHSTAN                                              | Siberian Electronic Mathematical Reports                                                                                             | 2022 | 10.33048/semi.2022.19.070       |

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| Mathematical Modeling of the Consumer Loan Market in Russia under Sanctions                                              | Doklady Mathematics                                                                                                                                | 2022 | 10.1134/S1064562422700119      |
| Экспериментальные исследования оптических характеристик акустооптического фильтра, работающего в диапазоне 450...1700 нм | Радиотехника и электроника                                                                                                                         | 2022 |                                |
| Experimental Study of Optical Characteristics of an Acousto-Optic Filter in a Wavelength Interval of 450–1700 nm         | Journal of Communications Technology and Electronics                                                                                               | 2022 | 10.1134/S1064226922120026      |
| Tilted fiber Bragg gratings and their sensing applications                                                               | Physics-Uspexhi                                                                                                                                    | 2022 | 10.3367/UFNe.2021.09.039070    |
| Optimization of Artificial Neural Networks using Wavelet Transforms                                                      | Programming and Computer Software                                                                                                                  | 2022 | 10.1134/S036176882206007X      |
| Coverage Path Planning with Constraints on Normal Curvature for a Three-dimensional Terrain with Obstacles               | Proceedings of 2022 16th International Conference on Stability and Oscillations of Nonlinear Control Systems (Pyatnitskiy's Conference), STAB 2022 | 2022 | 10.1109/STAB54858.2022.9807549 |
| Методы компенсации дрейфа фазы контрольного сигнала при калибровке фазированных антенных решеток                         | Радиотехника                                                                                                                                       | 2022 |                                |
| Excitation of quantum systems by short laser pulses: The effect of the pulse shape and durations                         | Physics Letters, Section A: General, Atomic and Solid State Physics                                                                                | 2022 | 10.1016/j.physleta.2022.128075 |
| An Efficient Method for Comparing Numbers and Determining the Sign of a Number in RNS for Even Ranges                    | Computation                                                                                                                                        | 2022 | 10.3390/computation10020017    |
| Модификация процедуры проверки электронной подписи                                                                       | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                                        | 2022 |                                |
| Time Dependence of Resonant Photoprocesses Induced by Electromagnetic Pulses with Various Durations                      | Journal of Experimental and Theoretical Physics                                                                                                    | 2022 | 10.1134/S106377612206005X      |
| Synthesis of Bifocal Mirror–Lens Cylindrical System with Minimum Aberrations                                             | Journal of Communications Technology and Electronics                                                                                               | 2022 | 10.1134/S1064226922020061      |
| Анализ устойчивости некоторых методов калибровки фазированных антенных решеток к дрейфу фазы контрольного сигнала        | Радиотехника                                                                                                                                       | 2022 |                                |
| Некогерентный предел уравнений Блоха: переход к баланвному уравнению и скорости фотоиндуцированного процесса             | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                                        | 2022 |                                |
| Synthesis of Two-Mirror Bifocal Cylindrical System with Minimum Aberrations                                              | Journal of Communications Technology and Electronics                                                                                               | 2022 | 10.1134/S106422692202005X      |
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| Phononic manipulation of antiferromagnetic domains in NiO                                                                                                                                                            | New Journal of Physics                             | 2022 | 10.1088/1367-2630/ac4ce4        |
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| Fiber Laser Power Measurements Using Optical Fibers with Metal Winding                                                                                                                                               | Optics InfoBase Conference Papers                  | 2022 |                                 |
| Acoustic Resonance Spectroscopy of Piezoelectric Crystals under Non-Uniform Heating                                                                                                                                  | Acoustical Physics                                 | 2022 | 10.1134/S1063771022050037       |
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| Effect of Different Forms of Silver on Biological Objects                                                                                                                                                        | Nanobiotechnology Reports                                                                                                     | 2022 | 10.1134/S2635167622020021                     |
| Artificial Anisotropy in Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> Thin Films after Femtosecond Laser Irradiation                                                                                          | Materials                                                                                                                     | 2022 | 10.3390/ma15103499                            |
| Влияние острой гипоксии на разных сроках гестации на показатели окислительного стресса у потомства крыс                                                                                                          | Вестник Московского университета. Серия 16: Биология                                                                          | 2022 |                                               |
| Dependence of the Atomic Structure of Solid Solutions in the Pd-Cu System Ordered According to the B2 Type on the Composition                                                                                    | Processes                                                                                                                     | 2022 | 10.3390/pr10122632                            |
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| Relationships between Effects of Ag Nanoparticles and Ag Salt on Behavioral and Cognitive Functions of Mice and Ageing                                                                                           | Nanobiotechnology Reports                                                                                                     | 2022 | 10.1134/S2635167622340018                     |
| Laser fragmentation of Ag <sub>2</sub> O micropowder in water                                                                                                                                                    | Journal of Physics and Chemistry of Solids                                                                                    | 2022 | 10.1016/j.jpcs.2021.110356                    |
| Parylene-based memristive crossbar structures with multilevel resistive switching for neuromorphic computing                                                                                                     | Nanotechnology                                                                                                                | 2022 | 10.1088/1361-6528/ac5cfe                      |
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| APPROACHES TO THE APPLICATION OF GRAPH ANALYSIS FOR THE EEG RESEARCH IN NORM AND CEREBRAL PATHOLOGY; [Подходы к применению графового анализа для исследования ЭЭГ человека в норме и при церебральной патологии] | Zhurnal Vysshei Nervnoi Deyatelnosti Imeni I.P. Pavlova                                                                       | 2022 | 10.31857/S0044467722060107                    |
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| Immobilized on MgCl <sub>2</sub> bis(phenoxy-imine) complexes of Ti and Zr as catalysts for preparing UHMWPE and ethylene/higher $\alpha$ -olefin copolymers | Polymer Bulletin                                             | 2022 | 10.1007/s00289-021-03885-6            |
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| Применение технологий цифровых двойников в предсказательной аналитике и решении бизнес-задач                                                                          | Ученые записки Международного банковского института                  | 2022 |                                |
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| Optimization of Au-based nanoparticle-beacon system for biomedical applications                                                                                       | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss | 2022 | 10.1109/ICLO54117.2022.9840094 |
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| Macrophage blockade using nature-inspired ferrihydrite for enhanced nanoparticle delivery to tumor                                                                    | International Journal of Pharmaceutics                               | 2022 | 10.1016/j.ijpharm.2022.121795  |
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| Thiamine-dependent regulation of mammalian brain pyridoxal kinase in vitro and in vivo                                                                                | Journal of Neurochemistry                                            | 2022 | 10.1111/jnc.15576              |
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| ЭЛЕКТРОКИНЕТИЧЕСКИЕ СВОЙСТВА ГИДРОГЕЛЯ НА ОСНОВЕ ПВС, КСАНТАНА И ПЭДОТ ПСС                                                                    | Российские нанотехнологии                                               | 2022 |                                |
| Взаимодействие различных форм серебра с биологическими объектами                                                                              | Российские нанотехнологии                                               | 2022 |                                |
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| Deep Learning-Based Segmentation of Post-Mortem Human's Olfactory Bulb Structures in X-ray Phase-Contrast Tomography                          | Tomography                                                              | 2022 | 10.3390/tomography8040156      |
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| Comparative Analysis of the Capacity of a Metro Circle Line                                                                                   | Journal of Communications Technology and Electronics                    | 2022 | 10.1134/S1064226922130137      |
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| Analyzing the Interaction of Fluorescent-labeled Proteins with Artificial Phospholipid Microvesicles using Quantitative Flow Cytometry        | Journal of Visualized Experiments                                       | 2022 | 10.3791/63459                  |
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| Progress in Methods for Copy Number Variation Profiling                                                                                       | International Journal of Molecular Sciences                             | 2022 | 10.3390/ijms23042143           |
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| Features of Protection of Intellectual Property Obtained Using Virtual and Augmented Reality Technologies                                        | Studies in Systems, Decision and Control                                | 2022 | 10.1007/978-3-030-95112-2_9  |
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| Solving Large-Scale Linear Systems of Equations by a Quantum Hybrid Algorithm                                                                    | Annalen der Physik                                                      | 2022 | 10.1002/andp.202200082       |
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| Внешние билиарды вне правильных многоугольников: ручной случай                                                                                   | Известия Российской академии наук. Серия математическая                 | 2022 |                              |
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| Targeting of Silver Cations, Silver-Cystine Complexes, Ag Nanoclusters, and Nanoparticles towards SARS-CoV-2 RNA and Recombinant Virion Proteins | Viruses                                                                 | 2022 | 10.3390/v14050902            |
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| О проблемах современного образования. II. Технологии обучения                                                                                         | Alma Mater (Вестник высшей школы)                                                                                             | 2022 |                                    |
| Development of a Model and Algorithms for Servicing Real-Time and Data Traffic in a Cloud Computing System                                            | 2022 Systems of Signals Generating and Processing in the Field of on Board Communications, SOSG 2022 - Conference Proceedings | 2022 | 10.1109/IEEECONF53456.2022.9744289 |
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| АВТОМАТИЗАЦИЯ СОСТАВЛЕНИЯ КОНФИГУРАЦИЙ ДЛЯ УПРАВЛЕНИЯ СЕРВИСАМИ В IP/MPLS СЕТЯХ                                                                       | Системы синхронизации, формирования и обработки сигналов                                                                      | 2022 |                                    |
| Solution of the Cauchy Problem for the Wave Equation on a Cone with a Non-Friedrichs Laplacian                                                        | Russian Journal of Mathematical Physics                                                                                       | 2022 | 10.1134/S1061920822040173          |
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| Комплексный росток Маслова и квазиклассические сжатые состояния в задаче Коши для уравнения Шредингера с дельта-потенциалом                           | Современная математика. Фундаментальные направления                                                                           | 2022 |                                    |
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| Novel magnetic stoichiometric superconductor compound EuRbFe <sub>4</sub> As <sub>4</sub>                                                                    | Physics-Uspexhi                         | 2022 | 10.3367/UFNe.2021.05.039018     |
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| Gold Atoms Promote Macroscopic Superconductivity in an Atomic Monolayer of Pb on Si(111)                                                                                | Nano Letters                                                           | 2022 | 10.1021/acs.nanolett.1c03595 |
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| Antiferromagnetic resonances in twinned EuFe <sub>2</sub> As <sub>2</sub> single crystals                                                                               | Physical Review B                                                      | 2022 | 10.1103/PhysRevB.106.024412  |
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| Long-range interaction of magnetic moments in a coupled system of superconductor-ferromagnet-superconductor Josephson junctions with anomalous ground-state phase shift | Physical Review B                                                      | 2022 | 10.1103/PhysRevB.105.024513  |
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| Magnonic spin Joule heating and rectification effects                                                                                                                   | Physical Review B                                                      | 2022 | 10.1103/PhysRevB.106.144411  |
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| Measurement of $e^+e^- \rightarrow K^+K^- \pi^0$ cross section and observation of a resonant structure                                                              | Journal of High Energy Physics | 2022 | 10.1007/JHEP07(2022)045        |
| Cross section measurements of the $e^+e^- \rightarrow D^{*+}D^{*-}$ and $e^+e^- \rightarrow D^{*+}D^-$ processes at center-of-mass energies from 4.085 to 4.600 GeV | Journal of High Energy Physics | 2022 | 10.1007/JHEP05(2022)155        |
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| Observation of a State X (2600) in the $\pi^+\pi^-\eta'$ System in the Process $J/\psi \rightarrow \gamma \pi^+\pi^-\eta'$                                          | Physical Review Letters        | 2022 | 10.1103/PhysRevLett.129.042001 |
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| Observation of the $J/\psi$ and $\psi(3686)$ decays into $\eta \zeta^+ \zeta^-$                                                                                     | Physical Review D              | 2022 | 10.1103/PhysRevD.106.112007    |
| Observation of an Isoscalar Resonance with Exotic $J^{PC}=1^{--}$ Quantum Numbers in $J/\psi \rightarrow \gamma \eta \eta'$                                         | Physical Review Letters        | 2022 | 10.1103/PhysRevLett.129.192002 |
| Search for $X(3872) \rightarrow \pi^0 \chi_{c0}$ and $X(3872) \rightarrow \pi \pi \chi_{c0}$ at BESIII                                                              | PHYS REV D                     | 2022 |                                |
| Measurement of the $e^+e^- \rightarrow \Sigma^0 \bar{\Sigma}^0$ cross sections at center-of-mass energies from 2.3864 to 3.0200 GeV                                 | PHYS LETT B                    | 2022 |                                |
| Measurements of the absolute branching fractions of hadronic $D^0$ -meson decays involving kaons and pions                                                          | PHYS REV D                     | 2022 |                                |

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| Precise Measurements of Decay Parameters and $\langle i \rangle \text{CP} \langle /i \rangle$ Asymmetry with Entangled $\Lambda$ - $(\Lambda)$ over-bar Pairs              | PHYS REV LETT                  | 2022 |                                |
| Search for the semileptonic decay $D_s^+ \rightarrow \pi^0 e^+ \nu_e$                                                                                                      | Physical Review D              | 2022 | 10.1103/PhysRevD.106.112004    |
| Measurement of integrated luminosities at BESIII for data samples at center-of-mass energies between 4.0 and 4.6 GeV                                                       | Chinese Physics C              | 2022 | 10.1088/1674-1137/ac80b4       |
| Study of the processes $\chi_{cJ} \rightarrow \Xi^- \Xi^+ +$ and $\Xi^0 \Xi^- +$                                                                                           | Journal of High Energy Physics | 2022 | 10.1007/JHEP06(2022)074        |
| Observation of the $\Upsilon(4230)$ and a new structure in $e^+e^- \rightarrow K^+K^-J/\psi$                                                                               | Chinese Physics C              | 2022 | 10.1088/1674-1137/ac945c       |
| First Measurement of Polarizations in the Decay $\langle i \rangle D \langle /i \rangle \langle \text{SUP} \rangle 0 \langle / \text{SUP} \rangle \rightarrow \omega \phi$ | PHYS REV LETT                  | 2022 |                                |
| Study of the resonance structures in the process $e^+e^- \rightarrow \pi^+\pi^-J/\psi$                                                                                     | Physical Review D              | 2022 | 10.1103/PhysRevD.106.072001    |
| Measurements of absolute branching fractions of $D^0 \rightarrow K^0 \phi$ , $K^0 \eta$ , $K^0 \omega$ , and $K^0 \eta'$                                                   | Physical Review D              | 2022 | 10.1103/PhysRevD.105.092010    |
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| Cross section measurements of the processes $e^+e^- \rightarrow \omega \pi^0$ and $\omega \eta$ at center-of-mass energies between 3.773 and 4.701 GeV                     | Journal of High Energy Physics | 2022 |                                |
| Evidence for a Neutral Near-Threshold Structure in the $K_S^0$ Recoil-Mass Spectra in $e^+e^- \rightarrow K_S^0 D_s^+ D^{*-}$ and $e^+e^- \rightarrow K_S^0 D_s^{*+} D^-$  | Physical Review Letters        | 2022 | 10.1103/PhysRevLett.129.112003 |
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| Partial wave analysis of the charmed baryon hadronic decay $\Lambda_c^+ \rightarrow \Lambda \pi^+ \pi^0$                                                                   | Journal of High Energy Physics | 2022 | 10.1007/JHEP12(2022)033        |
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| Study of the processes $\chi_{cJ} \rightarrow \Xi^- \Xi^+ \overline{\Xi}^+ \Xi^-$ and $\Xi^0 \Xi^- \overline{\Xi}^+ \Xi^-$                                                 | Journal of High Energy Physics | 2022 |                                |
| Amplitude analysis and branching-fraction measurement of $D_s^+ \rightarrow \pi^+ \pi^0 \eta'$                                                                             | Journal of High Energy Physics | 2022 | 10.1007/JHEP04(2022)058        |
| Observation of $\eta_c(2S) \rightarrow 3(\pi^+\pi^-)$ and measurements of $\chi_{cJ} \rightarrow 3(\pi^+\pi^-)$ in $\psi(3686)$ radiative transitions                      | Physical Review D              | 2022 | 10.1103/PhysRevD.106.032014    |
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| Search for a CP-odd light Higgs boson in $J/\psi \rightarrow \gamma A^0$                                                                                                   | Physical Review D              | 2022 | 10.1103/PhysRevD.105.012008    |

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| First Observation of the Direct Production of the $\chi_{c1}$ in $e^+e^-$ Annihilation                                                                                                                                                                                                                                       | PHYS REV LETT                                                                                                                        | 2022 |                                               |
| Search for a massless dark photon in $\Lambda_c \rightarrow p\gamma'$ decay                                                                                                                                                                                                                                                  | PHYS REV D                                                                                                                           | 2022 |                                               |
| Partial wave analysis of $J/\psi \rightarrow \gamma\eta\eta'$                                                                                                                                                                                                                                                                | PHYS REV D                                                                                                                           | 2022 |                                               |
| Vector Symbolic Scene Representation for Semantic Place Recognition                                                                                                                                                                                                                                                          | Proceedings of the International Joint Conference on Neural Networks                                                                 | 2022 | 10.1109/IJCNN55064.2022.9892761               |
| Theoretical study of stability of nodal completely conservative difference schemes with viscous filling for gas dynamics equations in Euler variables;<br>[Теоретическое исследование устойчивости узловых полностью консервативных разностных схем с вязким наполнением для уравнений газовой динамики в переменных Эйлера] | Zhurnal Srednevolzhskogo Matematicheskogo Obshchestva                                                                                | 2022 | 10.15507/2079-6900.24.202203.317-330          |
| DEEP CONVOLUTIONAL NEURAL NETWORKS IN SEISMIC EXPLORATION PROBLEMS                                                                                                                                                                                                                                                           | Interfacial Phenomena and Heat Transfer                                                                                              | 2022 | 10.1615/InterfacPhenomHeatTransfer.2022046367 |
| Учет гетероскедастичности в измеряемых томографических проекциях при реализации алгебраического подхода в томографической реконструкции                                                                                                                                                                                      | Сенсорные системы                                                                                                                    | 2022 |                                               |
| Моделирование разрушения стоимости российских энергетических компаний                                                                                                                                                                                                                                                        | Информационные и математические технологии в науке и управлении                                                                      | 2022 |                                               |
| Forecasting stock options prices via the solution of an ill-posed problem for the Black-Scholes equation                                                                                                                                                                                                                     | Inverse Problems                                                                                                                     | 2022 | 10.1088/1361-6420/ac91ec                      |
| Reprojection-Based Numerical Measure of Robustness for CT Reconstruction Neural Network Algorithms                                                                                                                                                                                                                           | Mathematics                                                                                                                          | 2022 | 10.3390/math10224210                          |
| On noncompact bifurcation in one generalized model of vortex dynamics                                                                                                                                                                                                                                                        | Theoretical and Mathematical Physics(Russian Federation)                                                                             | 2022 | 10.1134/S0040577922070078                     |
| Spectral-line Survey of the Region of Massive Star Formation W51e1/e2 in the 4 mm Wavelength Range                                                                                                                                                                                                                           | Astrophysical Journal                                                                                                                | 2022 | 10.3847/1538-4357/ac63ce                      |
| Parallel Computations by the Grid-Characteristic Method on Chimera Computational Grids in 3D Problems of Railway Non-destructive Testing                                                                                                                                                                                     | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-031-22941-1_14                  |
| Enhancing Human Pose Estimation with Privileged Learning                                                                                                                                                                                                                                                                     | Conference of Open Innovation Association, FRUCT                                                                                     | 2022 | 10.23919/FRUCT54823.2022.9770903              |
| Numerical model of jack-up rig's mechanical behavior under seismic loading;<br>[Численная модель механического отклика самоподъемной плавучей буровой установки на сейсмические воздействия]                                                                                                                                 | Computer Research and Modeling                                                                                                       | 2022 | 10.20537/2076-7633-2022-14-4-853-871          |

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| Research on the thermal impact on steel structures of tanks in case of fire                                                                        | IOP Conference Series: Earth and Environmental Science                                                                    | 2022 | 10.1088/1755-1315/981/3/032066 |
| МОДЕЛЬ ОЦЕНКИ СТОИМОСТИ НА ПРИМЕРЕ ПРЕДПРИЯТИЯ<br>МЕТАЛЛУРГИЧЕСКОГО СЕКТОРА                                                                        | Вестник Южно-Уральского государственного университета.<br>Серия: Компьютерные технологии, управление,<br>радиоэлектроника | 2022 |                                |
| Communication Acceleration of Local Gradient Methods via an Accelerated Primal-Dual Algorithm with Inexact Prox                                    | ADV NEUR IN                                                                                                               | 2022 |                                |
| Using 2D/3D convolutional neural networks and direct numerical modeling for ranscranial ultrasound problems                                        | Дальневосточный математический журнал                                                                                     | 2022 |                                |
| Communication Acceleration of Local Gradient Methods via an Accelerated Primal-Dual Algorithm with Inexact Prox                                    | Advances in Neural Information Processing Systems                                                                         | 2022 |                                |
| Исследование характеристик видности интерференционной картины в трехзеркальном лазерном интерферометре-дальномере                                  | Журнал радиоэлектроники                                                                                                   | 2022 |                                |
| Recurrent Memory Transformer                                                                                                                       | ADV NEUR IN                                                                                                               | 2022 |                                |
| Observation of an $a_0$ -like State with Mass of 1.817 GeV in the Study of $D_{S^*} \rightarrow D^+ K^- \pi^0$ Decays                              | PHYS REV LETT                                                                                                             | 2022 |                                |
| Search for baryon and lepton number violating decay $D^+ \rightarrow n(\bar{n}) e^+$                                                               | PHYS REV D                                                                                                                | 2022 |                                |
| Study of the $h_c(1P)$ meson via $\psi(2S) \rightarrow \pi^0 h_c$ decays at BESIII                                                                 | PHYS REV D                                                                                                                | 2022 |                                |
| Luminosities and energies of $e^+e^-$ collision data taken between $\sqrt{s}=4.61$ GeV and 4.95 GeV at BESIII                                      | CHINESE PHYS C                                                                                                            | 2022 |                                |
| Measurement of the CP-even fraction of $D^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$                                                                   | PHYS REV D                                                                                                                | 2022 |                                |
| Absolute measurements of branching fractions of Cabibbo-suppressed hadronic $D^0(+) \rightarrow \pi^+ \pi^- \pi^0$ decays involving multiple pions | PHYS REV D                                                                                                                | 2022 |                                |
| Observation of the hindered electromagnetic Dalitz decay $\psi(3686) \rightarrow e^+e^- \eta$                                                      | PHYS REV D                                                                                                                | 2022 |                                |
| Study of the Semileptonic Decay $\Lambda^+ \rightarrow e^+ \nu_e p$                                                                                | PHYS REV LETT                                                                                                             | 2022 |                                |

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| Study of $\psi(3686) \rightarrow \Lambda(\bar{\Lambda})$                                                                                                              | PHYS REV D                                                                                                                           | 2022 |                                  |
| First observation of the semileptonic decay $\Lambda_c^+ \rightarrow p K^+ e^- \bar{\nu}_e$                                                                           | PHYS REV D                                                                                                                           | 2022 |                                  |
| УПРАВЛЕНИЕ РЕГИОНАЛЬНЫМ РАЗВИТИЕМ С ИСПОЛЬЗОВАНИЕМ ДВУХУРОВНЕВОЙ МОДЕЛИ "ОТРАСЛЬ - ПРЕДПРИЯТИЕ"                                                                       | Вестник Южно-Уральского государственного университета. Серия: Компьютерные технологии, управление, радиоэлектроника                  | 2022 |                                  |
| Reinforcement Learning with Success Induced Task Prioritization                                                                                                       | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-031-19493-1_8      |
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| Fast matrix multiplication for binary and ternary CNNs on ARM CPU                                                                                                     | Proceedings - International Conference on Pattern Recognition                                                                        | 2022 | 10.1109/ICPR56361.2022.9956533   |
| On noncompact bifurcation in one generalized model of vortex dynamics                                                                                                 | Theoretical and Mathematical Physics                                                                                                 | 2022 |                                  |
| Neural Network Approach to Segmentation of Economic Infrastructure Objects on High-Resolution Satellite Images                                                        | Artificial Intelligence in Industry 4.0 and 5G Technology                                                                            | 2022 | 10.1002/9781119798798.ch4        |
| Recurrent Memory Transformer                                                                                                                                          | Advances in Neural Information Processing Systems                                                                                    | 2022 |                                  |
| GoodsForecast second-place solution in M5 Uncertainty track: Combining heterogeneous models for a quantile estimation task                                            | International Journal of Forecasting                                                                                                 | 2022 | 10.1016/j.ijforecast.2022.04.003 |
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| Measurement of the branching fraction of the doubly Cabibbo-suppressed decay $D_0 \rightarrow K^+ \pi^- \pi^0$ and search for $D_0 \rightarrow K^+ \pi^- \pi^0 \pi^0$ | Physical Review D                                                                                                                    | 2022 | 10.1103/PhysRevD.105.112001      |
| Evidence for $X(3872)$ in Pb-Pb Collisions and Studies of its Prompt Production at $\sqrt{s_{NN}} = 5.02$ TeV                                                         | Physical Review Letters                                                                                                              | 2022 | 10.1103/PhysRevLett.128.032001   |
| Observation of the double Dalitz decay $\eta' \rightarrow e^+ e^- e^+ e^-$                                                                                            | Physical Review D                                                                                                                    | 2022 | 10.1103/PhysRevD.105.112010      |
| First Search for Exclusive Diphoton Production at High Mass with Tagged Protons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV                                    | Physical Review Letters                                                                                                              | 2022 | 10.1103/PhysRevLett.129.011801   |
| Embeddings of non-simply-connected 4-manifolds in 7-space. II. on the smooth classification                                                                           | Proceedings of the Royal Society of Edinburgh Section A: Mathematics                                                                 | 2022 | 10.1017/prm.2020.103             |
| ON TWO LIMIT VALUES OF THE CHROMATIC NUMBER OF A RANDOM HYPERGRAPH                                                                                                    | Theory of Probability and its Applications                                                                                           | 2022 | 10.1137/S0040585X97T990861       |
| О числах Рамсея для произвольных последовательностей графов                                                                                                           | Доклады Российской академии наук. Математика, информатика, процессы управления                                                       | 2022 |                                  |
| Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream          | Journal of High Energy Physics                                                                                                       | 2022 | 10.1007/JHEP04(2022)062          |

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| Search for heavy resonances decaying to WW, WZ, or WH boson pairs in a final state consisting of a lepton and a large-radius jet in proton-proton collisions at $\sqrt{s}=13$ TeV | Physical Review D                                                                | 2022 | 10.1103/PhysRevD.105.032008     |
| Search for new physics in the lepton plus missing transverse momentum final state in proton-proton collisions at $\sqrt{s}=13$ TeV                                                | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP07(2022)067         |
| Search for $W\gamma$ resonances in proton-proton collisions at $\sqrt{s}=13$ TeV using hadronic decays of Lorentz-boosted W bosons                                                | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2022 | 10.1016/j.physletb.2022.136888  |
| Measurement of the Drell-Yan forward-backward asymmetry at high dilepton masses in proton-proton collisions at $\sqrt{s}=13$ TeV                                                  | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP08(2022)063         |
| Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s}=13$ TeV                                                                           | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP04(2022)047         |
| Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions                                                                                                      | Physical Review Letters                                                          | 2022 | 10.1103/PhysRevLett.128.122301  |
| Inclusive nonresonant multilepton probes of new phenomena at $\sqrt{s}=13$ TeV                                                                                                    | Physical Review D                                                                | 2022 | 10.1103/PhysRevD.105.112007     |
| Asymptotics of the Independence Number of a Random Subgraph of the Graph $G(n,r,<s)$                                                                                              | Mathematical Notes                                                               | 2022 | 10.1134/S0001434622010138       |
| Number of $A+B\neq C$ solutions in abelian groups and application to counting independent sets in hypergraphs                                                                     | European Journal of Combinatorics                                                | 2022 | 10.1016/j.ejc.2021.103453       |
| Оценки пороговых вероятностей для свойств раскрасок случайных гиперграфов                                                                                                         | Проблемы передачи информации                                                     | 2022 |                                 |
| Search for a $W'$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state at $\sqrt{s}=13$ TeV                                                | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP09(2022)088         |
| An exact algorithm for the preemptive single machine scheduling of equal-length jobs                                                                                              | Computers and Operations Research                                                | 2022 | 10.1016/j.cor.2022.105742       |
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| Review of Particle Physics                                                                                                                                                        | Progress of Theoretical and Experimental Physics                                 | 2022 | 10.1093/ptep/ptac097            |
| Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s}=13$ TeV                                                                   | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP04(2022)147         |
| Erratum to: On Ramsey Numbers for Arbitrary Sequences of Graphs (Doklady Mathematics, (2022), 105, 1, (14-17), 10.1134/S1064562422010057)                                         | Doklady Mathematics                                                              | 2022 | 10.1134/S1064562422340014       |
| On long knots in the full torus                                                                                                                                                   | Journal of Knot Theory and its Ramifications                                     | 2022 | 10.1142/S0218216522500018       |
| Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV                                                 | Journal of High Energy Physics                                                   | 2022 | 10.1007/JHEP02(2022)142         |
| Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at $\sqrt{s}=13$ TeV                                                      | European Physical Journal C                                                      | 2022 | 10.1140/epjc/s10052-022-10095-5 |

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| Search for resonances decaying to three W bosons in the hadronic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV                                                                                                  | Physical Review D                                                                  | 2022 | 10.1103/PhysRevD.106.012002          |
| Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV                                                                       | Journal of High Energy Physics                                                     | 2022 | 10.1007/JHEP05(2022)005              |
| Preface                                                                                                                                                                                                                          | Springer Optimization and Its Applications                                         | 2022 |                                      |
| Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV                                                                                                       | Journal of High Energy Physics                                                     | 2022 | 10.1007/JHEP04(2022)048              |
| Measurement of $W\pm\gamma$ differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV and effective field theory constraints                                                                                | Physical Review D                                                                  | 2022 | 10.1103/PhysRevD.105.052003          |
| Study of quark and gluon jet substructure in Z+jet and dijet events from pp collisions                                                                                                                                           | Journal of High Energy Physics                                                     | 2022 | 10.1007/JHEP01(2022)188              |
| Topological and homological properties of the orbit space of a simple three-dimensional compact linear Lie group; [Топологические и гомологические свойства пространства орбит простой трёхмерной компактной линейной группы Ли] | Chebyshevskii Sbornik                                                              | 2022 | 10.22405/2226-8383-2022-23-3-169-177 |
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| Analysis of the CP structure of the Yukawa coupling between the Higgs boson and $\tau$ leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV                                                                                | Journal of High Energy Physics                                                     | 2022 | 10.1007/JHEP06(2022)012              |
| Coverings of planar and three-dimensional sets with subsets of smaller diameter                                                                                                                                                  | Discrete Applied Mathematics                                                       | 2022 | 10.1016/j.dam.2022.06.016            |
| Search for single production of a vector-like T quark decaying to a top quark and a Z boson in the final state with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV                                                  | Journal of High Energy Physics                                                     | 2022 | 10.1007/JHEP05(2022)093              |
| Stochastic optimization in digital pre-distortion of the signal; [Стохастическая оптимизация в задаче цифрового предискажения сигнала]                                                                                           | Computer Research and Modeling                                                     | 2022 | 10.20537/2076-7633-2022-14-2-399-416 |
| Search for new particles in an extended Higgs sector with four b quarks in the final state at $\sqrt{s} = 13$ TeV                                                                                                                | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics   | 2022 | 10.1016/j.physletb.2022.137566       |
| Equitable Colorings of Hypergraphs with r Colors                                                                                                                                                                                 | Journal of Mathematical Sciences (United States)                                   | 2022 | 10.1007/s10958-022-05823-x           |
| Measurement of the Higgs boson width and evidence of its off-shell contributions to ZZ production                                                                                                                                | Nature Physics                                                                     | 2022 | 10.1038/s41567-022-01682-0           |
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| Search for high-mass resonances decaying to a jet and a Lorentz-boosted resonance in proton-proton collisions at $\sqrt{s}=13\text{TeV}$                                                                                                                               | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics                                                     | 2022 | 10.1016/j.physletb.2022.137263  |
| Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$                                                                                                                            | Journal of High Energy Physics                                                                                                       | 2022 | 10.1007/JHEP05(2022)014         |
| Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$                                                                                                      | Journal of High Energy Physics                                                                                                       | 2022 | 10.1007/JHEP04(2022)091         |
| Measurement of the production cross section for $Z+b$ jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$                                                                                                                                                     | Physical Review D                                                                                                                    | 2022 | 10.1103/PhysRevD.105.092014     |
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| Search for resonant production of strongly coupled dark matter in proton-proton collisions at $13\text{ TeV}$                                                                                                                                                          | Journal of High Energy Physics                                                                                                       | 2022 | 10.1007/JHEP06(2022)156         |
| Measurement of the inclusive and differential WZ production cross sections, polarization angles, and triple gauge couplings in pp collisions at $\sqrt{s} = 13\text{ TeV}$                                                                                             | Journal of High Energy Physics                                                                                                       | 2022 | 10.1007/JHEP07(2022)032         |
| Search for long-lived heavy neutral leptons with displaced vertices in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$                                                                                                                                            | Journal of High Energy Physics                                                                                                       | 2022 | 10.1007/JHEP07(2022)081         |
| Mathematical models of stable jurisdiction partitions: A survey of results and new directions6; [Математические модели устойчивых разбиений на юрисдикции: обзор результатов и новые направления1]                                                                     | Zhurnal Novoi Ekonomicheskoi Associacii /Journal of the New Economic Association                                                     | 2022 | 10.31737/2221-2264-2022-54-2-1  |
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| Observation of $\chi_{c1} \rightarrow \Lambda \Lambda^- \eta$                                                                                                                                                                                                          | Physical Review D                                                                                                                    | 2022 | 10.1103/PhysRevD.106.072004     |
| Constructing 5-chromatic unit distance graphs embedded in the Euclidean plane and two-dimensional spheres                                                                                                                                                              | Discrete Mathematics                                                                                                                 | 2022 | 10.1016/j.disc.2022.113106      |
| О хроматических числах трехмерных слоев                                                                                                                                                                                                                                | Записки научных семинаров Санкт-Петербургского отделения математического института им. В.А. Стеклова РАН                             | 2022 |                                 |
| Improved measurement of the strong-phase difference $\delta D_{K^0}$ in quantum-correlated $D D^*$ decays                                                                                                                                                              | European Physical Journal C                                                                                                          | 2022 | 10.1140/epjc/s10052-022-10872-2 |

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| Observation of $\Xi^-$ Hyperon transverse polarization in $\psi(3686) \rightarrow \Xi^- \Xi^+$                                                                               | Physical Review D                                                                           | 2022 | 10.1103/PhysRevD.106.L091101    |
| Measurement of the inclusive $t \bar{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV                                                       | Journal of High Energy Physics                                                              | 2022 | 10.1007/JHEP04(2022)144         |
| Search for Flavor-Changing Neutral Current Interactions of the Top Quark and Higgs Boson in Final States with Two Photons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV | Physical Review Letters                                                                     | 2022 | 10.1103/PhysRevLett.129.032001  |
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| Polynomial Automorphisms, Deformation Quantization and Some Applications on Noncommutative Algebras                                                                          | Mathematics                                                                                 | 2022 | 10.3390/math10224214            |
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| Асимптотика числа независимости случайного подграфа графа $G(n,r,\{<s\})$                                                                                                    | Итоги науки и техники. Современная математика и ее приложения. Тематические обзоры          | 2022 |                                 |
| Search for Higgs Boson Pair Production in the Four b Quark Final State in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV                                                    | Physical Review Letters                                                                     | 2022 | 10.1103/PhysRevLett.129.081802  |
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| Equivalent conditions of a multiple Hilbert-Type integral inequality with the nonhomogeneous kernel                                                                          | Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales - Serie A: Matematicas | 2022 | 10.1007/s13398-022-01238-0      |
| Bounds on Threshold Probabilities for Coloring Properties of Random Hypergraphs                                                                                              | Problems of Information Transmission                                                        | 2022 | 10.1134/S0032946022010057       |
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| Observation of Bs 0 mesons and measurement of the Bs O/B+ yield ratio in PbPb collisions at [Formula presented] TeV                                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics                            | 2022 | 10.1016/j.physletb.2022.137062     |
| Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of $\tau$ Leptons in pp Collisions at $\sqrt{s}=13$ TeV | Physical Review Letters                                                                                     | 2022 | 10.1103/PhysRevLett.128.081805     |
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| Unusual Cytochrome c552 from Thioalkalivibrio paradoxus: Solution NMR Structure and Interaction with Thiocyanate Dehydrogenase                                          | International Journal of Molecular Sciences                                                                 | 2022 | 10.3390/ijms23179969               |
| Adaptation to CT Reconstruction Kernels by Enforcing Cross-Domain Feature Maps Consistency                                                                              | Journal of Imaging                                                                                          | 2022 | 10.3390/jimaging8090234            |
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| Projective-Geometric Aspects of Quantization                                                                                                                            | Lobachevskii Journal of Mathematics                                                                         | 2022 | 10.1134/S1995080222100171          |
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| Rectifiable Curves in Proximally Smooth Sets                                                                                                                            | Set-Valued and Variational Analysis                                                                         | 2022 | 10.1007/s11228-021-00612-1         |
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| Simplest Skew Products on n-Dimensional ( $n \geq 2$ ) Cells, Cylinders and Tori                                                                                        | Lobachevskii Journal of Mathematics                                                                         | 2022 | 10.1134/S1995080222100080          |
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| Studying Negative Rationality in Quantal Response Equilibrium                                                                                                                                          | Proceedings - 2022 4th International Conference on Control Systems, Mathematical Modeling, Automation and Energy Efficiency, SUMMA 2022 | 2022 | 10.1109/SUMMA57301.2022.9973908      |
| The Constructing UAV Trajectories Method Using Bezier Curves and Pythagorean Hodograph                                                                                                                 | Proceedings - 2022 International Russian Automation Conference, RusAutoCon 2022                                                         | 2022 | 10.1109/RusAutoCon54946.2022.9896357 |
| Effect of Electrode Nanopatterning on the Functional Properties of Ta/TaOx/Pt Resistive Memory Devices                                                                                                 | ACS Applied Nano Materials                                                                                                              | 2022 | 10.1021/acsanm.2c02076               |
| Molecular Compounds in Spintronic Devices: An Intricate Marriage of Chemistry and Physics                                                                                                              | Inorganic Chemistry                                                                                                                     | 2022 | 10.1021/acs.inorgchem.2c00859        |
| Radiofrequency impedance spectroscopy of biological tissues under heating by homogeneous laser radiation                                                                                               | Biomedical Physics and Engineering Express                                                                                              | 2022 | 10.1088/2057-1976/ac7eed             |
| Rare-Earth Metal (Pr(III), Tb(III), Ho(III), and Er(III)) Complexes with 2-Mercaptopyridine-N-oxide: Synthesis, Structures, and Properties                                                             | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya                                                                     | 2022 | 10.1134/S1070328422070089            |
| What are the prospects for using complexes of copper(ii) and zinc(ii) to suppress the vital activity of Mycolicibacterium smegmatis?                                                                   | RSC Advances                                                                                                                            | 2022 | 10.1039/d1ra08555g                   |
| Rhodium(III)-catalyzed Construction of D-A Type Polyheteroaromatics with Fluorinated Benzothiadiazole as a Modifiable Acceptor Block                                                                   | Asian Journal of Organic Chemistry                                                                                                      | 2022 | 10.1002/ajoc.202200603               |

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| Spin Order Transfer from a Parahydrogen Molecule to the Counterion in the Iridium Complex under the SABRE Conditions                                                                                                                                 | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya  | 2022 | 10.1134/S1070328422080036              |
| Determination of optical absorption and scattering coefficients of LBO and PPLN crystals                                                                                                                                                             | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss | 2022 | 10.1109/ICLO54117.2022.9840147         |
| Flexible Hf O 2-based ferroelectric memristor                                                                                                                                                                                                        | Applied Physics Letters                                              | 2022 | 10.1063/5.0102290                      |
| Maximum Likelihood Degree of Surjective Rational Maps                                                                                                                                                                                                | Arnold Mathematical Journal                                          | 2022 | 10.1007/s40598-022-00207-0             |
| Radiofrequency impedance monitoring of the biological tissues under local heating by optical radiation                                                                                                                                               | Journal of Biophotonics                                              | 2022 | 10.1002/jbio.202200114                 |
| Third harmonic generation in the thin films containing quantum dots and exfoliated nanoparticles                                                                                                                                                     | Applied Physics B: Lasers and Optics                                 | 2022 | 10.1007/s00340-022-07923-7             |
| Chiral Polymers from Norbornenes Based on Renewable Chemical Feedstocks                                                                                                                                                                              | Polymers                                                             | 2022 | 10.3390/polym14245453                  |
| Радиочастотная спектроскопия биологической ткани при локальном воздействии лазерным излучением                                                                                                                                                       | Нелинейный мир                                                       | 2022 |                                        |
| ИССЛЕДОВАНИЕ ВЛИЯНИЯ МЕХАНИЧЕСКИХ СВОЙСТВ И ХИМИЧЕСКОГО СОСТАВА ГРАНАТОВЫХ ПЕСКОВ НА ИХ АБРАЗИВНУЮ И РЕЖУЩУЮ СПОСОБНОСТИ; [ИССЛЕДОВАНИЕ ВЛИЯНИЯ МЕХАНИЧЕСКИХ СВОЙСТВ И ХИМИЧЕСКОГО СОСТАВА ГРАНАТОВЫХ ПЕСКОВ НА ИХ АБРАЗИВНУЮ И РЕЖУЩУЮ СПОСОБНОСТИ] | ChemChemTech                                                         | 2022 | 10.6060/ivkkt.20226511.6y              |
| Кинетика безызлучательного переноса энергии между плотноупакованными нанокристаллами InP/ZnS                                                                                                                                                         | Химия высоких энергий                                                | 2022 |                                        |
| APPLICATION OF GENERATING FUNCTIONS TO PROBLEMS OF RANDOM WALK                                                                                                                                                                                       | Ufa Mathematical Journal                                             | 2022 | 10.54708/23040122_2022_14_3_33         |
| The software for interactive evaluation of mass spectrometric imaging heterogeneity                                                                                                                                                                  | F1000Research                                                        | 2022 | 10.12688/f1000research.76828.1         |
| Сравнительный анализ пролиферативной активности клеток эпителия роговицы при воздействии различных концентраций смеси сульфатированных гликозаминогликанов в эксперименте in vitro                                                                   | Российский общенациональный офтальмологический форум                 | 2022 |                                        |
| SANS Studies of the Gallium–Indium Alloy Structure within Regular Nanopores                                                                                                                                                                          | Nanomaterials                                                        | 2022 | 10.3390/nano12132245                   |
| О МОДЕЛИ РАБОТЫ С МАТЕМАТИЧЕСКИ ОДАРЕННЫМИ ШКОЛЬНИКАМИ                                                                                                                                                                                               | Continuum. Математика. Информатика. Образование                      | 2022 |                                        |
| Modeling the dynamics of public attention to extended processes on the example of the COVID-19 pandemic; [Моделирование динамики общественного внимания к протяженным процессам на примере пандемии COVID-19]                                        | Computer Research and Modeling                                       | 2022 | 10.20537/2076-7633-2022-14-5-1131-1141 |

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| Canonical Operator on Connected Manifolds as an Asymptotic Solution to the Problem of Critical Reflection of a Cylindrical Wave from an Inhomogeneous Plasma Layer                                   | Proceedings - 2022 IEEE 8th All-Russian Microwave Conference, RMC 2022                               | 2022 | 10.1109/RMC55984.2022.10079563     |
| Equilibrium in Market Models Described by Differential Equations                                                                                                                                     | Differential Equations                                                                               | 2022 | 10.1134/S0012266122090117          |
| On the Space of Schwartz Operators in the Symmetric Fock Space and Its Dual                                                                                                                          | Vestnik St. Petersburg University: Mathematics                                                       | 2022 | 10.1134/S1063454122020030          |
| Study of Domain Wall Dynamics in GdFeCo Using Double High-Speed Photography                                                                                                                          | Physics of the Solid State                                                                           | 2022 | 10.1134/S1063783422110105          |
| BLOTTO GAME IN A PROPAGANDA BATTLE                                                                                                                                                                   | Computational Mathematics and Information Technologies                                               | 2022 |                                    |
| General principle of maximum pressure in stationary flows of inviscid gas; [Общий принцип максимума давления в стационарных течениях невязкого газа]                                                 | Vestnik Samarskogo Gosudarstvennogo Tekhnicheskogo Universiteta, Seriya Fiziko-Matematicheskie Nauki | 2022 | 10.14498/vsgtu1946                 |
| NONTRIVIAL OUTER DERIVATIONS IN BIMODULES OVER GROUP RINGS                                                                                                                                           | Eurasian Mathematical Journal                                                                        | 2022 | 10.32523/2077-9879-2022-13-4-08-17 |
| On the Space of Schwartz Operators in the Symmetric Fock Space and Its Dual                                                                                                                          | Vestnik of the St. Petersburg University: Mathematics                                                | 2022 |                                    |
| Homogenization of coupled immiscible compressible two-phase flow with kinetics in porous media                                                                                                       | Applicable Analysis                                                                                  | 2022 | 10.1080/00036811.2020.1738398      |
| МАКРОЭКОНОМИЧЕСКИЙ СДВИГ КОЭФФИЦИЕНТА ДИСКОНТИРОВАНИЯ ЭКОНОМИКИ ДОМАШНИХ ХОЗЯЙСТВ, ОСНОВАННЫХ НА УРАВНЕНИИ СЕМЕЙНОГО БАЛАНСА И МОДИФИЦИРОВАННОЙ ИНТЕГРАЛЬНОЙ ДИСКОНТИРОВАННОЙ ПОЛЕЗНОСТИ ПОТРЕБЛЕНИЯ | Modern Economy Success                                                                               | 2022 |                                    |
| Modeling the adsorption of fluorine by a carbon polymer surface                                                                                                                                      | AIP Conference Proceedings                                                                           | 2022 | 10.1063/5.0092467                  |
| Formal models of opinion formation and their application to real data: evidence from online social networks                                                                                          | Journal of Mathematical Sociology                                                                    | 2022 | 10.1080/0022250X.2020.1835894      |
| Calculation of the convexity adjustment to the forward rate in the Vasicek model for the forward exotic contracts                                                                                    | EKON MAT METOD                                                                                       | 2022 |                                    |
| Получение и свойства мезопористых пленок $\text{MoS}_2$                                                                                                                                              | Физика и техника полупроводников                                                                     | 2022 |                                    |
| Ayka, a Novel Curtobacterium Bacteriophage, Provides Protection against Soybean Bacterial Wilt and Tan Spot                                                                                          | International Journal of Molecular Sciences                                                          | 2022 | 10.3390/ijms231810913              |
| Bioresource-derived colloidal nitrogen-doped graphene quantum dots as ultrasensitive and stable nanosensors for detection of cancer and neurotransmitter biomarkers                                  | Journal of Materials Chemistry B                                                                     | 2022 | 10.1039/d2tb01833k                 |
| РАЗРУШЕНИЕ СОСТОЯНИЙ В ДИНАМИКЕ, ЗАДАННОЙ УРАВНЕНИЕМ ШРЁДИНГЕРА СО СТЕПЕННОЙ НЕЛИНЕЙНОСТЬЮ В ПОТЕНЦИАЛЕ                                                                                              | Дифференциальные уравнения                                                                           | 2022 |                                    |

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| Solution of the Dorodnitsin-Ladyzhensky problem; [Решение задачи Дородницына-Ладыженского]                                                           | Vestnik Samarskogo Gosudarstvennogo Tekhnicheskogo Universiteta, Seriya Fiziko-Matematicheskie Nauki                                    | 2022 | 10.14498/vsgtu1951                   |
| The importance of the forecast of the number of inhabitants of the Czech Republic as a basis for the effective development of the transport industry | Transportation Research Procedia                                                                                                        | 2022 | 10.1016/j.trpro.2022.06.063          |
| Extremal Problems for the Distance Between Elements of Two Sets                                                                                      | J CONVEX ANAL                                                                                                                           | 2022 |                                      |
| О пространстве операторов Шварца в симметричном пространстве Фока и дуальном к нему                                                                  | Вестник Санкт-Петербургского университета. Математика. Механика. Астрономия                                                             | 2022 |                                      |
| Determining Effective Strategies For Information Warfare In Consolidated And Polarized Populations                                                   | Proceedings of 2022 15th International Conference Management of Large-Scale System Development, MLSD 2022                               | 2022 | 10.1109/MLSD55143.2022.9934658       |
| ЭФФЕКТИВНЫЙ КАПИТАЛ В УСОВЕРШЕНСТВОВАННОЙ МАКРОМОДЕЛИ ЭКОНОМИЧЕСКОГО РОСТА СОЛОУ                                                                     | Вестник Российского экономического университета имени Г.В. Плеханова                                                                    | 2022 |                                      |
| Решение задачи Дородницына                                                                                                                           | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                             | 2022 |                                      |
| The difference relations and impossible differentials construction for the KB-256 algorithm                                                          | Прикладная дискретная математика. Приложение                                                                                            | 2022 |                                      |
| The Optimal Control Approach in Problems of the Income Distribution into Consumed and Invested Parts                                                 | Advances in Systems Science and Applications                                                                                            | 2022 | 10.25728/assa.2022.22.2.1257         |
| Modeling Opinion Dynamics: Ranking Algorithms on Heterogeneous Populations                                                                           | Proceedings - 2022 4th International Conference on Control Systems, Mathematical Modeling, Automation and Energy Efficiency, SUMMA 2022 | 2022 | 10.1109/SUMMA57301.2022.9973437      |
| Корреляционный метод идентификации акустических источников с помощью микрофонных измерений                                                           | Акустический журнал                                                                                                                     | 2022 |                                      |
| Итерации голоморфных отображений, неподвижные точки и области однолистности                                                                          | Успехи математических наук                                                                                                              | 2022 |                                      |
| Limit Distribution for Compositions of Random Operators                                                                                              | Lobachevskii Journal of Mathematics                                                                                                     | 2022 | 10.1134/S199508022210033X            |
| ДИНАМИКА ВЗАИМОДЕЙСТВИЯ ДВУХ ОБЛАКОВ СОЛИТОННЫХ ГАЗОВ                                                                                                | Журнал экспериментальной и теоретической физики                                                                                         | 2022 |                                      |
| Speeding up the two-stage simultaneous traffic assignment model; [Ускорение работы двухстадийной модели равновесного распределения потоков по сети]  | Computer Research and Modeling                                                                                                          | 2022 | 10.20537/2076-7633-2022-14-2-343-355 |
| On the Value of the Second Invariant of the Strain Rate Tensor at the Point of Minimum Pressure on the Plane of Symmetry of Non-Barotropic Flow      | Fluid Dynamics                                                                                                                          | 2022 | 10.1134/S0015462822080067            |
| Homogenization of a two-phase flow accompanied by dissociation of a gas hydrate in a fractured porous medium                                         | Physics of Fluids                                                                                                                       | 2022 | 10.1063/5.0082340                    |

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| More Bisections by Hyperplane Arrangements                                                                                                                                                                            | Discrete and Computational Geometry                                                                         | 2022 | 10.1007/s00454-021-00337-w           |
| On a Pseudodifferential Calculation in Group Algebras                                                                                                                                                                 | Advances in Systems Science and Applications                                                                | 2022 | 10.25728/assa.2022.22.4.1342         |
| Квантово-размерный эффект для внутризонного электронного перехода в коллоидных квантовых точках селенида серебра                                                                                                      | Химия высоких энергий                                                                                       | 2022 |                                      |
| Air-Stable Single-Component Pd-Catalysts for Vinyl-Addition Polymerization of Functionalized Norbornenes                                                                                                              | ACS Catalysis                                                                                               | 2022 | 10.1021/acscatal.2c04345             |
| Взаимная синхронизация антиферромагнитных спинтронных осцилляторов                                                                                                                                                    | Известия высших учебных заведений России. Радиоэлектроника                                                  | 2022 |                                      |
| Синтез, строение и свойства комплексов редкоземельных металлов (Pr(III), Tb(III), Ho(III) и Er(III)) с 2-меркаптопиридин-N-оксидом                                                                                    | Координационная химия                                                                                       | 2022 |                                      |
| Quasitriangular structures on the super-Yangian and quantum loop superalgebra, and difference equations                                                                                                               | Theoretical and Mathematical Physics(Russian Federation)                                                    | 2022 | 10.1134/S0040577922100099            |
| MEASURES ON HILBERT SPACE INVARIANT WITH RESPECT TO HAMILTONIAN FLOWS                                                                                                                                                 | Ufa Mathematical Journal                                                                                    | 2022 | 10.54708/23040122_2022_14_2_3        |
| Iterates of holomorphic maps, fixed points, and domains of univalence                                                                                                                                                 | Russian Mathematical Surveys                                                                                | 2022 | 10.4213/rm10072e                     |
| On the approximation of the diffusion operator in the ionosphere model with conserving the direction of geomagnetic field                                                                                             | Russian Journal of Numerical Analysis and Mathematical Modelling                                            | 2022 | 10.1515/rnam-2022-0003               |
| A Subexponential Size Triangulation of $\mathbb{R}P^n$                                                                                                                                                                | Combinatorica                                                                                               | 2022 | 10.1007/s00493-021-4602-x            |
| Quantal response equilibrium for the Prisoner's Dilemma game in Markov strategies                                                                                                                                     | Scientific Reports                                                                                          | 2022 | 10.1038/s41598-022-08426-3           |
| On the Word Fragment Length for Unambiguous Reconstruction of a Periodic Word from a Complete Multiset of Fragments of Fixed Length                                                                                   | Doklady Mathematics                                                                                         | 2022 | 10.1134/S106456242202003X            |
| Proof of the connection between the Backman model with degenerate cost functions and the model of stable dynamics; [Обоснование связи модели Бэкмана с вырождающимися функциями затрат с моделью стабильной динамики] | Computer Research and Modeling                                                                              | 2022 | 10.20537/2076-7633-2022-14-2-335-342 |
| Исследование сходимости к магистрали дефляторов в модели Кантора-Липмана инвестиция на несовершенном рынке капитала                                                                                                   | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                      |
| On the structure of divergence-free measures on $R^2$                                                                                                                                                                 | Advances in Calculus of Variations                                                                          | 2022 | 10.1515/acv-2020-0066                |
| Air-Stable Single-Component Pd-Catalysts for Vinyl-Addition Polymerization of Functionalized Norbornenes                                                                                                              | ACS CATAL                                                                                                   | 2022 |                                      |
| Photophysics of $\alpha$ -azidyl-substituted 4,4-difluoro-8-(4-R-phenyl)-4-bora-3a,4a-diaza-s-indacenes                                                                                                               | Journal of Photochemistry and Photobiology A: Chemistry                                                     | 2022 | 10.1016/j.jphotochem.2022.114109     |

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| Local Ga Ion Implantation as a Source of Diverse Ferroelectric Properties of Hafnium Oxide                                                              | Physica Status Solidi - Rapid Research Letters                                                                                       | 2022 | 10.1002/pssr.202100485                 |
| Comparison and analysis of field emission characteristics of carbon cathodes based on PAN fiber and CNT filaments                                       | Journal of Advanced Materials and Technologies                                                                                       | 2022 |                                        |
| Исследование фотоэлектрофизических характеристик ИК-фотодетектора на основе коллоидных квантовых точек HgTe                                             | Химия высоких энергий                                                                                                                | 2022 |                                        |
| Study of Photoelectrophysical Characteristics of IR Photodetector Based on HgTe Colloidal Quantum Dots                                                  | High Energy Chemistry                                                                                                                | 2022 | 10.1134/S0018143922020035              |
| Copper filled contact plugs formation                                                                                                                   | Proceedings of SPIE - The International Society for Optical Engineering                                                              | 2022 | 10.1117/12.2624164                     |
| О значении Q-параметра в точке минимума давления на плоскости симметрии небаротропного течения                                                          | Прикладная математика и механика                                                                                                     | 2022 |                                        |
| On Solving One Spectral Problem                                                                                                                         | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-031-09607-5_11           |
| A general framework to link theory and empirics in opinion formation models                                                                             | Scientific Reports                                                                                                                   | 2022 | 10.1038/s41598-022-09468-3             |
| Dynamics of Interaction between Two Soliton Clouds                                                                                                      | Journal of Experimental and Theoretical Physics                                                                                      | 2022 | 10.1134/S106377612211005X              |
| Binary Opinion Space in the SCARDO Model                                                                                                                | Advances in Systems Science and Applications                                                                                         | 2022 | 10.25728/assa.2022.22.4.1292           |
| On derivations in group algebras and other algebraic structures; [О дифференцированиях в групповых алгебрах и других алгебраических структурах]         | Vestnik Rossiyskikh Universitetov. Matematika                                                                                        | 2022 | 10.20310/2686-9667-2022-27-140-305-317 |
| A Correlation Method for Acoustic Sources Identification Using Multiple-Microphone Measurements                                                         | Acoustical Physics                                                                                                                   | 2022 | 10.1134/S1063771022060033              |
| РАВНОВЕСИЕ В МОДЕЛЯХ РЫНКА, ОПИСЫВАЕМЫХ ДИФФЕРЕНЦИАЛЬНЫМИ УРАВНЕНИЯМИ                                                                                   | Дифференциальные уравнения                                                                                                           | 2022 |                                        |
| Solution of the problem of distribution of resources allocated to ensure the information security of the enterprise by methods of iterative aggregation | AIP Conference Proceedings                                                                                                           | 2022 | 10.1063/5.0092544                      |
| APPLICATION OF THE THEORY OF THE MULTICOMPONENT DRY FRICTION IN SOME OF CONTROL ROBOT SYSTEMS                                                           | International Journal for Computational Civil and Structural Engineering                                                             | 2022 | 10.22337/2587-9618-2022-18-1-14-23     |
| Sharp Estimates for Proximity of Geometric and Related Sums Distributions to Limit Laws                                                                 | Mathematics                                                                                                                          | 2022 | 10.3390/math10244747                   |
| К вопросу об эволюции завихренности в жидкости и газе                                                                                                   | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                          | 2022 |                                        |
| INM-IM: INM RAS Earth ionosphere F region dynamical model                                                                                               | Russian Journal of Numerical Analysis and Mathematical Modelling                                                                     | 2022 | 10.1515/rnam-2022-0028                 |

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| Муниципальный этап XLVIII Всероссийской олимпиады школьников по математике в Московской области                                                                    | Математика в школе                                                   | 2022 |                                 |
| Markov Approximations of the Evolution of Quantum Systems                                                                                                          | Doklady Mathematics                                                  | 2022 | 10.1134/S1064562422020107       |
| Композиции независимых случайных операторов и связанные с ними дифференциальные уравнения                                                                          | Препринты ИПМ им. М.В. Келдыша                                       | 2022 |                                 |
| Oscillating and Proper Solutions of Singular Quasi-Linear Differential Equations                                                                                   | Advances in Systems Science and Applications                         | 2022 | 10.25728/assa.2022.22.4.1337    |
| BEECHES AND PAPERS                                                                                                                                                 | NOVYI MIR                                                            | 2022 |                                 |
| МЕРЫ НА ГИЛЬБЕРТОВОМ ПРОСТРАНСТВЕ, ИНВАРИАНТНЫЕ ОТНОСИТЕЛЬНО ГАМИЛЬТОНОВЫХ ПОТОКОВ                                                                                 | Уфимский математический журнал                                       | 2022 |                                 |
| ИЕРАРХИЯ РИСКОВ В ТОРГОВЛЕ                                                                                                                                         | Russian Economic Bulletin                                            | 2022 |                                 |
| Prototype of cell for quantum cellular automata: Multimode vibronic model for a two-electron mixed valence molecular square                                        | Chemical Physics                                                     | 2022 | 10.1016/j.chemphys.2022.111679  |
| TEM study of boron phosphide: Discovery of rhombohedral BP                                                                                                         | Solid State Communications                                           | 2022 | 10.1016/j.ssc.2022.114886       |
| Binuclear Nickel Complexes of a New Di(hydroxyphenyl)imidazolate                                                                                                   | Magnetochemistry                                                     | 2022 | 10.3390/magnetochemistry8100132 |
| Pump and idler beams parameters dependence on pump power under conditions of mid-infrared difference frequency generation in PPLN                                  | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss | 2022 | 10.1109/ICLO54117.2022.9840056  |
| Influence of radiation at wavelength near 1.5 $\mu\text{m}$ on efficiency of inter-modal FWM in a few mode fiber in the region of 1 $\mu\text{m}$                  | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss | 2022 | 10.1109/ICLO54117.2022.9839839  |
| Клатрохелаты железа(II) в устройствах молекулярной спинтроники: вертикальный спиновый клапан                                                                       | Координационная химия                                                | 2022 |                                 |
| Определение параметров СИС-смесителя на промежуточной частоте                                                                                                      | Физика твердого тела                                                 | 2022 |                                 |
| Influence of soil environment on performance of EAS electron–neutron detector array                                                                                | Astrophysics and Space Science                                       | 2022 | 10.1007/s10509-022-04103-z      |
| Aluminum nanostructures produced by aerosol dry printing for ultraviolet photoluminescence enhancement                                                             | ST PETER POLY U J-PH                                                 | 2022 |                                 |
| Photocatalytic Degradation of Rhodamine B Dye by Using Tin-Doped CeO <sub>2</sub> -Fe <sub>2</sub> O <sub>3</sub> Nanocomposite                                    | Asian Journal of Chemistry                                           | 2022 | 10.14233/ajchem.2022.23578      |
| Kinetics of Nonradiative Energy Transfer between Close-Packed InP/ZnS Nanocrystals                                                                                 | High Energy Chemistry                                                | 2022 | 10.1134/S0018143922060182       |
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| Pre-column Derivatization and Separation of Diastereomeric-Derivatives of Racemic Mexiletine and Confirmation of Elution Order and Molecular Configuration                                                | Asian Journal of Chemistry                                           | 2022 | 10.14233/ajchem.2022.23706     |
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| Iron(II) Clathrochelates in Molecular Spintronic Devices: A Vertical Spin Valve                                                                                                                           | Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya  | 2022 | 10.1134/S1070328422010080      |
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| Mode-locking in a YAG:Cr <sup>4+</sup> +solid-state laser gyroscope                                                                                                                                       | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss | 2022 | 10.1109/ICLO54117.2022.9839751 |
| Fluorinated carbon and boron nitride fullerenes for drug Delivery: Computational study of structure and adsorption                                                                                        | Journal of Molecular Liquids                                         | 2022 | 10.1016/j.molliq.2022.118773   |
| Идентификация зональных течений и их пространственное распределение в плазме стелларатора TI-II                                                                                                           | Письма в Журнал экспериментальной и теоретической физики             | 2022 |                                |
| Effect of different ligand types on sensitivity of infrared photodetectors based on colloidal HgSe quantum dots                                                                                           | Infrared Physics and Technology                                      | 2022 | 10.1016/j.infrared.2022.104188 |
| In-flow laser modification of silver nanoparticles synthesized by spark discharge                                                                                                                         | ST PETER POLY U J-PH                                                 | 2022 |                                |
| КИНЕТИКА РАДИКАЛЬНОГО ОКИСЛЕНИЯ КРЕМНИЯ                                                                                                                                                                   | Электронная техника. Серия 3: Микроэлектроника                       | 2022 |                                |
| Обзор методов управления экзоскелетами: от кнопок к нейросетям                                                                                                                                            | Электроника: Наука, технология, бизнес                               | 2022 |                                |
| Erratum to: Application of the Tikhonov Regularization Method in Problems of Ellipsometric Porometry of Low-K Dielectrics (Russian Microelectronics, (2022), 51, 4, (199-209), 10.1134/S1063739722040060) | Russian Microelectronics                                             | 2022 | 10.1134/S1063739722550017      |
| Measurements of small optical absorption and scattering coefficients of high-power polarised laser radiation in lithium triborate crystals                                                                | Quantum Electronics                                                  | 2022 | 10.1070/QEL17999               |
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| Identification of Zonal Flows and Their Spatial Distribution in the TJ-II Stellarator Plasmas                                                                                                                                           | JETP Letters                                                         | 2022 | 10.1134/S0021364022601178       |
| Investigation of ligand exchange in thin films of PbS colloidal quantum dots with FTIR-spectroscopy; [Исследование процесса замены лигандов в тонких слоях коллоидных квантовых точек сульфида свинца с помощью ИК-Фурье спектроскопии] | Applied Physics                                                      | 2022 | 10.51368/1996-0948-2022-6-35-42 |
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| Influence of the secondary-energy transfer on the efficiency of the few-mode ytterbium-erbium fiber amplifier                                                                                                                           | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss | 2022 | 10.1109/ICLO54117.2022.9840247  |
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| Лазерный импульсный фотолиз коллоидных квантовых точек фосфида индия                                                                                                                                                                    | Химия высоких энергий                                                | 2022 |                                 |
| ИССЛЕДОВАНИЕ СПЕКТРАЛЬНЫХ СВОЙСТВ ПРОСТРАНСТВЕННО-НЕОДНОРОДНОЙ СИСТЕМЫ ЧАСТИЦ ЮКАВЫ В ПАРАБОЛИЧЕСКОМ КОНФАЙНМЕНТЕ                                                                                                                       | Журнал экспериментальной и теоретической физики                      | 2022 |                                 |
| P,S-Bidentate Phosphoramidites with (Ra)-BINOL Core in Palladium-Catalyzed Asymmetric Allylic Substitution                                                                                                                              | Russian Journal of General Chemistry                                 | 2022 | 10.1134/S1070363222120088       |
| Comparison of aerosol Pt, Au and Ag nanoparticles agglomerates laser sintering                                                                                                                                                          | Materials                                                            | 2022 | 10.3390/ma15010227              |
| Determination of biotissue photodegradation kinetic parameters based on electrical impedance                                                                                                                                            | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss | 2022 | 10.1109/ICLO54117.2022.9839887  |
| Quantitative Estimation of p- and n-Doping Effects on Electrophysical and Optical Properties of CVD Graphene                                                                                                                            | Journal of Physical Chemistry C                                      | 2022 | 10.1021/acs.jpcc.1c09982        |
| Optical Properties of 3-Armchair Graphene Nanoribbons Produced by a Combination of Chemical Vapor Deposition with a Bottom-up Approach                                                                                                  | Physica Status Solidi (B) Basic Research                             | 2022 | 10.1002/pssb.202100501          |
| Magnetic nanoribbons with embedded cobalt grown inside single-walled carbon nanotubes                                                                                                                                                   | Nanoscale                                                            | 2022 | 10.1039/d1nr06179h              |
| Projectively Self-Concordant Barriers                                                                                                                                                                                                   | Mathematics of Operations Research                                   | 2022 | 10.1287/moor.2021.1215          |
| Shifting paths to avoidable ones                                                                                                                                                                                                        | Journal of Graph Theory                                              | 2022 | 10.1002/jgt.22766               |
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| Analysis of the Properties of Probabilistic Models in Expert-Augmented Learning Problems                                                                                                                                                                                                                                                      | Automation and Remote Control                                                                                                        | 2022 | 10.1134/S00051179220100058           |
| Неперекрывающиеся выпуклые многогранники с вершинами из булева куба и другие задачи теории кодирования                                                                                                                                                                                                                                        | Проблемы передачи информации                                                                                                         | 2022 |                                      |
| Bifurcations in the Coupon Collector's Problem for Two Special Discrete Renewal Processes and Related Aspects of the Loss Mass Problem                                                                                                                                                                                                        | MARKOV PROCESS RELAT                                                                                                                 | 2022 |                                      |
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| Probabilistic Interpretation of the Distillation Problem                                                                                                                                                                                                                                                                                      | Automation and Remote Control                                                                                                        | 2022 | 10.1134/S000511792201009X            |
| Laplacian Spectra of Two-Layer Hierarchical Cyclic Pursuit Schemes                                                                                                                                                                                                                                                                            | IFAC-PapersOnLine                                                                                                                    | 2022 | 10.1016/j.ifacol.2022.07.267         |
| Bifurcations in the Coupon Collector's Problem for Two Special Discrete Renewal Processes and Related Aspects of the Loss Mass Problem                                                                                                                                                                                                        | Markov Processes and Related Fields                                                                                                  | 2022 |                                      |
| Automatic Detection of Machine Generated Texts: Need More Tokens                                                                                                                                                                                                                                                                              | Proceedings - 2022 Ivannikov Memorial Workshop, IVMEM 2022                                                                           | 2022 | 10.1109/IVMEM57067.2022.9983964      |
| Adaptive first-order methods for relatively strongly convex optimization problems; [Адаптивные методы первого порядка для относительно сильно выпуклых задач оптимизации]                                                                                                                                                                     | Computer Research and Modeling                                                                                                       | 2022 | 10.20537/2076-7633-2022-14-2-445-472 |
| Anti-Distillation: Knowledge Transfer from a Simple Model to the Complex One                                                                                                                                                                                                                                                                  | Proceedings - Ivannikov ISPRAS Open Conference                                                                                       | 2022 | 10.1109/ISPRAS57371.2022.10076855    |
| Reanalysis of hydrophysical fields based on assimilation of data from the IKI-Monitoring Center for Collective Use in the hydrothermodynamics model of the Black, Azov and Marmara seas; [Реанализ гидрофизических полей на основе ассимиляции данных ЦКП «ИКИ-Мониторинг» в модели гидротермодинамики Чёрного, Азовского и Мраморного морей] | Sovremennye Problemy Distantionnogo Zondirovaniya Zemli iz Kosmosa                                                                   | 2022 | 10.21046/2070-7401-2022-19-6-63-75   |
| InDiD: Instant Disorder Detection via a Principled Neural Network                                                                                                                                                                                                                                                                             | MM 2022 - Proceedings of the 30th ACM International Conference on Multimedia                                                         | 2022 | 10.1145/3503161.3548182              |
| Numerical Methods for Some Classes of Variational Inequalities with Relatively Strongly Monotone Operators                                                                                                                                                                                                                                    | Mathematical Notes                                                                                                                   | 2022 | 10.1134/S000143462211030X            |
| Численные методы для некоторых классов вариационных неравенств с относительно сильно монотонными операторами                                                                                                                                                                                                                                  | Математические заметки                                                                                                               | 2022 |                                      |
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| An approach for the nonconvex uniformly concave structured saddle point problem; [Подход к решению невыпуклой равномерно вогнутой седловой задачи со структурой]               | Computer Research and Modeling                                                                                                       | 2022 | 10.20537/2076-7633-2022-14-2-225-237 |
| Accelerated Primal-Dual Gradient Method for Smooth and Convex-Concave Saddle-Point Problems with Bilinear Coupling                                                             | ADV NEUR IN                                                                                                                          | 2022 |                                      |
| The First Optimal Acceleration of High-Order Methods in Smooth Convex Optimization                                                                                             | ADV NEUR IN                                                                                                                          | 2022 |                                      |
| Accelerated Primal-Dual Gradient Method for Smooth and Convex-Concave Saddle-Point Problems with Bilinear Coupling                                                             | Advances in Neural Information Processing Systems                                                                                    | 2022 |                                      |
| Vaidya's Method for Convex Stochastic Optimization Problems in Small Dimension                                                                                                 | Mathematical Notes                                                                                                                   | 2022 |                                      |
| Optimal Gradient Sliding and its Application to Distributed Optimization Under Similarity                                                                                      | ADV NEUR IN                                                                                                                          | 2022 |                                      |
| Gradient-Type Methods for Optimization Problems with Polyak-Łojasiewicz Condition: Early Stopping and Adaptivity to Inexactness Parameter                                      | Communications in Computer and Information Science                                                                                   | 2022 | 10.1007/978-3-031-22990-9_2          |
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| Zeroth-order methods for noisy Hölder-gradient functions                                                                                                                       | Optimization Letters                                                                                                                 | 2022 | 10.1007/s11590-021-01742-z           |
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| The Power of First-Order Smooth Optimization for Black-Box Non-Smooth Problems                                                                                                 | PR MACH LEARN RES                                                                                                                    | 2022 |                                      |
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| Linearly convergent gradient-free methods for minimization of parabolic approximation; [Линейно сходящиеся безградиентные методы для минимизации параболической аппроксимации] | Computer Research and Modeling                                                                                                       | 2022 | 10.20537/2076-7633-2022-14-2-239-255 |
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| Application of gradient optimization methods to solve the Cauchy problem for the Helmholtz equation; [Применение градиентных методов оптимизации для решения задачи Коши для уравнения Гельмгольца]        | Computer Research and Modeling                                       | 2022 | 10.20537/2076-7633-2022-14-2-417-444 |
| Subgradient methods for non-smooth optimization problems with some relaxation of sharp minimum; [Субградиентные методы для задач негладкой оптимизации с некоторой релаксацией условия острого минимума]   | Computer Research and Modeling                                       | 2022 | 10.20537/2076-7633-2022-14-2-473-495 |
| Негативные типы авторов и их рукописей, поступающих в современную российскую академическую периодику социально-гуманитарного профиля                                                                       | Научный редактор и издатель                                          | 2022 |                                      |
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| True-atomic-resolution insights into the structure and functional role of linear chains and low-barrier hydrogen bonds in proteins                                                                         | Nature Structural and Molecular Biology                              | 2022 | 10.1038/s41594-022-00762-2           |
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| Universal Character of Breaking of Wormlike Surfactant Micelles by Additives of Different Hydrophobicity                                                                                                   | Nanomaterials                                                        | 2022 | 10.3390/nano12244445                 |
| The Mechanism of Selective Recognition of Lipid Substrate by hDHH20 Enzyme                                                                                                                                 | International Journal of Molecular Sciences                          | 2022 | 10.3390/ijms232314791                |
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| Взаимодействие фторфенильного аналога ретиналя с протейродопсином из <i>Exiguobacterium sibiricum</i>                                                                                                      | Биоорганическая химия                                                | 2022 |                                      |
| Time-Resolved UV-VIS Spectroscopy of Microbial Rhodopsins                                                                                                                                                  | Methods in Molecular Biology                                         | 2022 | 10.1007/978-1-0716-2329-9_8          |
| Interaction of the Fluorophenyl Analog of Retinal with Proteorhodopsin from <i>Exiguobacterium sibiricum</i>                                                                                               | Russian Journal of Bioorganic Chemistry                              | 2022 | 10.1134/S1068162022060073            |
| Microbial Rhodopsins                                                                                                                                                                                       | Methods in Molecular Biology                                         | 2022 | 10.1007/978-1-0716-2329-9_1          |
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| Short-Term Effect of SARS-CoV-2 Spike Protein Receptor-Binding Domain-Specific Antibody Induction on Neutrophil-Mediated Immune Response in Mice                                    | International Journal of Molecular Sciences | 2022 | 10.3390/ijms23158234       |
| Erratum to: Small-Angle Neutron Scattering at the Pulsed Reactor IBR-2: Current Status and Prospects (Crystallography Reports, (2021), 66, 2, (231-241), 10.1134/S1063774521020085) | Crystallography Reports                     | 2022 | 10.1134/S1063774522070513  |
| Mechanisms of membrane protein crystallization in 'bicelles'                                                                                                                        | Scientific Reports                          | 2022 | 10.1038/s41598-022-13945-0 |
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| Crystallization and Preliminary X-Ray Diffraction Analysis of Recombinant Phosphoribosylpyrophosphate Synthetase I from Thermus thermophilus HB27                                   | Crystallography Reports                     | 2022 |                            |
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| Mechanism of Energy Storage and Transformation in the Mitochondria at the Water–Membrane Interface                                                             | Biochemistry (Moscow)                                                                                               | 2022 | 10.1134/S0006297922020092          |
| ALPHACORONAVIRUSES DETECTED IN FECAL SAMPLES OF BATS CAPTURED IN MOSCOW AND ROSTOV-ON-DON IN 2021                                                              | Medicinskij Akademiceskij Zurnal                                                                                    | 2022 | 10.17816/MAJ108718                 |
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| LLPS and regulation of transmembrane signaling                                                                                                                 | Droplets of Life: Membrane-Less Organelles, Biomolecular Condensates, and Biological Liquid-Liquid Phase Separation | 2022 | 10.1016/B978-0-12-823967-4.00022-1 |
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| Numerical Modeling of Acoustic Processes in Gradient Media Using the Grid-Characteristic Method                                                                | Doklady Mathematics                                                                                                 | 2022 | 10.1134/S1064562422700090          |
| ЧИСЛЕННОЕ МОДЕЛИРОВАНИЕ АКУСТИЧЕСКИХ ПРОЦЕССОВ В ГРАДИЕНТНЫХ СРЕДАХ СЕТОЧНО-ХАРАКТЕРИСТИЧЕСКИМ МЕТОДОМ                                                         | Доклады Российской академии наук. Математика, информатика, процессы управления                                      | 2022 |                                    |
| Modified Piezoconductivity Equation for Modeling Unsteady Filtration Processes in a Cavernous Medium                                                           | Mathematical Statistician and Engineering Applications                                                              | 2022 |                                    |
| Трансформация кинетической и потенциальной энергии при вытягивании мезомасштабного вихря                                                                       | Морской гидрофизический журнал                                                                                      | 2022 |                                    |

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| Transformation of Kinetic and Potential Energy during Elongation of a Mesoscale Vortex                                                         | Physical Oceanography                                        | 2022 | 10.22449/1573-160X-2022-5-449-462 |
| Research on the interpolation of the gravitational potential of the Earth                                                                      | Proceedings of the International Astronautical Congress, IAC | 2022 |                                   |
| On Estimation of the Scale and Location Parameters of Distribution Tails                                                                       | Journal of Mathematical Sciences (United States)             | 2022 | 10.1007/s10958-022-05824-w        |
| Mambalgin-2 Inhibits Lung Adenocarcinoma Growth and Migration by Selective Interaction With ASIC1/ $\alpha$ -ENaC/ $\gamma$ -ENaC Heterotrimer | Frontiers in Oncology                                        | 2022 | 10.3389/fonc.2022.904742          |
| Changes in the Expression of the gapdh Gene in the Organs of insrr Knockout Mice                                                               | Doklady Biological Sciences                                  | 2022 | 10.1134/S0012496622040056         |
| Structure-based rational design of an enhanced fluorogen-activating protein for fluorogens based on GFP chromophore                            | Communications Biology                                       | 2022 | 10.1038/s42003-022-03662-9        |
| New Three-Finger Protein from Starfish Asteria rubens Shares Structure and Pharmacology with Human Brain Neuromodulator Lynx2                  | Marine Drugs                                                 | 2022 | 10.3390/md20080503                |
| A high-fat diet changes astrocytic metabolism to promote synaptic plasticity and behavior                                                      | Acta Physiologica                                            | 2022 | 10.1111/apha.13847                |
| Высокоаффинный KV1.2-селективный пептид                                                                                                        | Российский физиологический журнал им. И.М. Сеченова          | 2022 |                                   |
| Immunomodulatory and Allergenic Properties of Antimicrobial Peptides                                                                           | International Journal of Molecular Sciences                  | 2022 | 10.3390/ijms23052499              |
| Membrane-mediated interaction of non-conventional snake three-finger toxins with nicotinic acetylcholine receptors                             | Communications Biology                                       | 2022 | 10.1038/s42003-022-04308-6        |
| Antimicrobial Activity and Immunomodulatory Properties of Acidocin A, the Pediocin-like Bacteriocin with the Non-Canonical Structure           | Membranes                                                    | 2022 | 10.3390/membranes12121253         |
| Extracting the homogeneous and inhomogeneous linewidths of colloidal quantum dots from the excitation-emission matrix                          | Journal of Luminescence                                      | 2022 | 10.1016/j.jlumin.2022.119420      |
| Компьютерное моделирование транспорта электронного возбуждения в плотноупакованных ансамблях коллоидных квантовых точек селенида кадмия        | Химия высоких энергий                                        | 2022 |                                   |
| Fano-type Effect in Hydrogen-Terminated Pure Nanodiamond                                                                                       | Nano Letters                                                 | 2022 | 10.1021/acs.nanolett.1c04887      |
| Förster Resonant Energy Transfer of Electronic Excitation in Nanoclusters of Colloidal Indium Phosphide Quantum Dots: A Computer Experiment    | High Energy Chemistry                                        | 2022 | 10.1134/S0018143922060133         |
| Investigation of Nonlinear Optical Processes in Mercury Sulfide Quantum Dots                                                                   | Nanomaterials                                                | 2022 | 10.3390/nano12081264              |

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| Распад электронно-пучковой плазмы аргона при истечении в невозбужденный газ                                                                               | Физика плазмы                                                        | 2022 |                                 |
| Synthesis of Gold Nanorods in a Binary Mixture of Cationic Surfactants                                                                                    | Colloid Journal                                                      | 2022 | 10.1134/S1061933X22010136       |
| Фёрстеровский резонансный перенос энергии электронного возбуждения в наноклстерах коллоидных квантовых точек фосфида индия: компьютерный эксперимент      | Химия высоких энергий                                                | 2022 |                                 |
| Multiple locations of boron atoms in the exohedral and endohedral C60 fullerene                                                                           | Physical Review A                                                    | 2022 | 10.1103/PhysRevA.105.022813     |
| Third-order optical nonlinearities of exfoliated Bi2Te3 nanoparticle films in UV, visible and near-infrared ranges measured by tunable femtosecond pulses | Optics Express                                                       | 2022 | 10.1364/OE.449490               |
| Highly boron-doped graphite and diamond synthesized from adamantane and ortho-carborane under high pressure                                               | Materialia                                                           | 2022 | 10.1016/j.mtla.2021.101274      |
| Anomalous broadening of Landau levels at the saddle point energy of two dimensional square lattice                                                        | Journal of Magnetism and Magnetic Materials                          | 2022 | 10.1016/j.jmmm.2022.169674      |
| Thinning of the Backside of the InSb(100) Matrix Module and Its Effect on the Crystal Structure of Near Surface Layers                                    | Journal of Communications Technology and Electronics                 | 2022 | 10.1134/S1064226922030111       |
| Detonation Synthesis Nanodiamond Soot as a Promising Filler for Polymer Composites                                                                        | C-Journal of Carbon Research                                         | 2022 | 10.3390/c8040069                |
| Optical nonlinearities of mercury telluride quantum dots measured by nanosecond pulses                                                                    | Photonics and Nanostructures - Fundamentals and Applications         | 2022 | 10.1016/j.photonics.2022.101025 |
| Laser-induced heating of porous Ge layers implanted with Ag+ and Cu+ ions                                                                                 | Journal of Raman Spectroscopy                                        | 2022 | 10.1002/jrs.6332                |
| Size-induced evolution of optical properties in gallium selenide thin layers                                                                              | Journal of Luminescence                                              | 2022 | 10.1016/j.jlumin.2021.118546    |
| Highly conductive nanographite/ultra-high-molecular-weight polyethylene composite                                                                         | Results in Materials                                                 | 2022 | 10.1016/j.rinma.2022.100298     |
| CVD synthesis of boron nitride from a solid precursor                                                                                                     | Journal of Physics: Conference Series                                | 2022 | 10.1088/1742-6596/2227/1/012006 |
| Computer Simulation of Electronic Excitation Transport in Close-Packed Ensembles of Cadmium Selenide Colloidal Quantum Dots                               | High Energy Chemistry                                                | 2022 | 10.1134/S0018143922040117       |
| Synthesis of polymer-coated metal-organic frameworks for gene delivery                                                                                    | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss | 2022 | 10.1109/ICLO54117.2022.9839855  |
| Extracellular Vesicles Derived from Acidified Metastatic Melanoma Cells Stimulate Growth, Migration, and Stemness of Normal Keratinocytes                 | Biomedicines                                                         | 2022 | 10.3390/biomedicines10030660    |
| Spatial Structure of NanoFAST in the Apo State and in Complex with its Fluorogen HBR-DOM2                                                                 | International Journal of Molecular Sciences                          | 2022 | 10.3390/ijms231911361           |

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| Clipped Stochastic Methods for Variational Inequalities with Heavy-Tailed Noise                                                                                                                                                            | ADV NEUR IN                                                                                                                          | 2022 |                                      |
| Decentralized personalized federated learning: Lower bounds and optimal algorithm for all personalization modes                                                                                                                            | EURO Journal on Computational Optimization                                                                                           | 2022 | 10.1016/j.ejco.2022.100041           |
| Acceleration in Distributed Optimization under Similarity                                                                                                                                                                                  | Proceedings of Machine Learning Research                                                                                             | 2022 |                                      |
| Trusted Artificial Intelligence: Challenges and Promising Solutions                                                                                                                                                                        | Doklady Mathematics                                                                                                                  | 2022 | 10.1134/S1064562422060205            |
| Hyperfast second-order local solvers for efficient statistically preconditioned distributed optimization                                                                                                                                   | EURO Journal on Computational Optimization                                                                                           | 2022 | 10.1016/j.ejco.2022.100045           |
| Compression and Data Similarity: Combination of Two Techniques for Communication-Efficient Solving of Distributed Variational Inequalities                                                                                                 | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-031-22543-7_11         |
| Application of Attention Technique for Digital Pre-distortion                                                                                                                                                                              | Communications in Computer and Information Science                                                                                   | 2022 | 10.1007/978-3-031-22990-9_12         |
| Метод Вайды для задач выпуклой стохастической оптимизации небольшой размерности                                                                                                                                                            | Математические заметки                                                                                                               | 2022 |                                      |
| The First Optimal Acceleration of High-Order Methods in Smooth Convex Optimization                                                                                                                                                         | Advances in Neural Information Processing Systems                                                                                    | 2022 |                                      |
| ДОВЕРЕННЫЙ ИСКУССТВЕННЫЙ ИНТЕЛЛЕКТ: ВЫЗОВЫ И ПЕРСПЕКТИВНЫЕ РЕШЕНИЯ                                                                                                                                                                         | Доклады Российской академии наук. Математика, информатика, процессы управления                                                       | 2022 |                                      |
| Decentralized Local Stochastic Extra-Gradient for Variational Inequalities                                                                                                                                                                 | ADV NEUR IN                                                                                                                          | 2022 |                                      |
| Optimal Gradient Sliding and its Application to Distributed Optimization Under Similarity                                                                                                                                                  | Advances in Neural Information Processing Systems                                                                                    | 2022 |                                      |
| Software Engineering for Optimal Control Problems                                                                                                                                                                                          | Lecture Notes in Networks and Systems                                                                                                | 2022 | 10.1007/978-3-030-97020-8_38         |
| Optimal Algorithms for Decentralized Stochastic Variational Inequalities                                                                                                                                                                   | Advances in Neural Information Processing Systems                                                                                    | 2022 |                                      |
| Recent Theoretical Advances in Non-Convex Optimization                                                                                                                                                                                     | Springer Optimization and Its Applications                                                                                           | 2022 | 10.1007/978-3-031-00832-0_3          |
| Accelerated variance-reduced methods for saddle-point problems                                                                                                                                                                             | EURO Journal on Computational Optimization                                                                                           | 2022 | 10.1016/j.ejco.2022.100048           |
| Primal-Dual Stochastic Mirror Descent for MDPs                                                                                                                                                                                             | PR MACH LEARN RES                                                                                                                    | 2022 |                                      |
| On the relations of stochastic convex optimization problems with empirical risk minimization problems on p-norm balls; [О связях задач стохастической выпуклой минимизации с задачами минимизации эмпирического риска на шарах в p-нормах] | Computer Research and Modeling                                                                                                       | 2022 | 10.20537/2076-7633-2022-14-2-309-319 |
| Some Adaptive First-Order Methods for Variational Inequalities with Relatively Strongly Monotone Operators and Generalized Smoothness                                                                                                      | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-031-22543-7_10         |
| Simple method for ultrasound assisted «click» modification of azido-chitosan derivatives by CuAAC                                                                                                                                          | Carbohydrate Polymers                                                                                                                | 2022 | 10.1016/j.carbpol.2022.119109        |

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| Optimal Algorithms for Decentralized Stochastic Variational Inequalities                                                                                                                                                                    | ADV NEUR IN                                                                                                                          | 2022 |                                      |
| Intrinsically disordered regions couple the ligand binding and kinase activation of Trk neurotrophin receptors                                                                                                                              | iScience                                                                                                                             | 2022 | 10.1016/j.isci.2022.104348           |
| Deazaflavin cofactor boosts earthworms <i>Henlea</i> bioluminescence                                                                                                                                                                        | Organic and Biomolecular Chemistry                                                                                                   | 2022 | 10.1039/d2ob01946a                   |
| Vaidya's Method for Convex Stochastic Optimization Problems in Small Dimension                                                                                                                                                              | Mathematical Notes                                                                                                                   | 2022 | 10.1134/S0001434622070227            |
| Decentralized Local Stochastic Extra-Gradient for Variational Inequalities                                                                                                                                                                  | Advances in Neural Information Processing Systems                                                                                    | 2022 |                                      |
| A Damped Newton Method Achieves Global $O(1/K^2)$ and Local Quadratic Convergence Rate                                                                                                                                                      | Advances in Neural Information Processing Systems                                                                                    | 2022 |                                      |
| Variance reduction for minimax problems with a small dimension of one of the variables; [Редукция дисперсии для минимаксных задач с небольшой размерностью одной из переменных]                                                             | Computer Research and Modeling                                                                                                       | 2022 | 10.20537/2076-7633-2022-14-2-257-275 |
| Noisy Zeroth-Order Optimization for Non-smooth Saddle Point Problems                                                                                                                                                                        | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-031-09607-5_2          |
| Distributed Methods with Compressed Communication for Solving Variational Inequalities, with Theoretical Guarantees                                                                                                                         | ADV NEUR IN                                                                                                                          | 2022 |                                      |
| Stochastic saddle-point optimization for the Wasserstein barycenter problem                                                                                                                                                                 | Optimization Letters                                                                                                                 | 2022 | 10.1007/s11590-021-01834-w           |
| Generalized Mirror Prox Algorithm for Monotone Variational Inequalities: Universality and Inexact Oracle                                                                                                                                    | Journal of Optimization Theory and Applications                                                                                      | 2022 | 10.1007/s10957-022-02062-7           |
| PERSONAL COGNITIVE ASSISTANT: PLANNING ACTIVITY WITH SCRIPTS; [ПЕРСОНАЛЬНЫЙ КОГНИТИВНЫЙ АССИСТЕНТ: ПЛАНИРОВАНИЕ ПОВЕДЕНИЯ НА ОСНОВЕ СЦЕНАРИЕВ ДЕЯТЕЛЬНОСТИ]                                                                                 | Informatika i ee Primeneniya                                                                                                         | 2022 | 10.14357/19922264220107              |
| Oracle Complexity Separation in Convex Optimization                                                                                                                                                                                         | Journal of Optimization Theory and Applications                                                                                      | 2022 | 10.1007/s10957-022-02038-7           |
| Tensor methods for strongly convex strongly concave saddle point problems and strongly monotone variational inequalities; [Тензорные методы для сильно выпуклых сильно вогнутых седловых задач и сильно монотонных вариационных неравенств] | Computer Research and Modeling                                                                                                       | 2022 | 10.20537/2076-7633-2022-14-2-357-376 |
| Acceleration in Distributed Optimization under Similarity                                                                                                                                                                                   | PR MACH LEARN RES                                                                                                                    | 2022 |                                      |
| AN ACCELERATED METHOD FOR DERIVATIVE-FREE SMOOTH STOCHASTIC CONVEX OPTIMIZATION                                                                                                                                                             | SIAM Journal on Optimization                                                                                                         | 2022 | 10.1137/19M1259225                   |
| The First Optimal Algorithm for Smooth and Strongly-Convex-Strongly-Concave Minimax Optimization                                                                                                                                            | ADV NEUR IN                                                                                                                          | 2022 |                                      |

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| Formal languages over GF(2)                                                                                                                      | Information and Computation                                             | 2022 | 10.1016/j.ic.2020.104672        |
| Energy Cost of Dynamical Stabilization: Stored versus Dissipated Energy                                                                          | Entropy                                                                 | 2022 | 10.3390/e24081020               |
| A Portable Instrument for Detecting the Charged Component of Cosmic Rays                                                                         | Instruments and Experimental Techniques                                 | 2022 | 10.1134/S0020441222060045       |
| Моделирование фотодиссоциации водяного пара в сезон пылевых бурь на Марсе                                                                        | Астрономический вестник. Исследования Солнечной системы                 | 2022 |                                 |
| Usage of Apache Cassandra for Prototyping the Event Metadata System of the NICA Experiments                                                      | Physics of Particles and Nuclei Letters                                 | 2022 | 10.1134/S1547477122050144       |
| Martian Dust Storms and Gravity Waves: Disentangling Water Transport to the Upper Atmosphere                                                     | Journal of Geophysical Research: Planets                                | 2022 | 10.1029/2021JE007102            |
| Dust and dusty plasma effects in Schumann resonances on Mars: Comparison with Earth                                                              | Icarus                                                                  | 2022 | 10.1016/j.icarus.2021.114717    |
| Low-pixel-count imaging FMCW lidar                                                                                                               | Applied Optics                                                          | 2022 | 10.1364/AO.472610               |
| High-Q WGM microresonators for mid-IR                                                                                                            | Proceedings of SPIE - The International Society for Optical Engineering | 2022 | 10.1117/12.2643985              |
| Ultrahigh-Q WGM microspheres from ZBLAN for the mid-IR band                                                                                      | Optics Letters                                                          | 2022 | 10.1364/OL.475259               |
| Информационная система на основе базы данных состояний для экспериментов проекта NICA, пользовательское веб-приложение и соответствующие сервисы | Письма в журнал Физика элементарных частиц и атомного ядра              | 2022 |                                 |
| Direct and Inverse Energy Cascades in the Ocean during Vortex Elongation                                                                         | Doklady Earth Sciences                                                  | 2022 | 10.1134/S1028334X22601675       |
| Inverted conical methane/air flame shape transformation under acoustic excitation: Gravity impact                                                | Physics of Fluids                                                       | 2022 | 10.1063/5.0095111               |
| Устройство экранирования СВЧ электронных узлов многослойной платы для приемо-передающего модуля АФАР космического назначения                     | СВЧ-электроника                                                         | 2022 |                                 |
| Investigation of wind shear structure and turbulence characteristics in a warm front cloud system using a research aircraft                      | IOP Conference Series: Earth and Environmental Science                  | 2022 | 10.1088/1755-1315/1040/1/012013 |
| Investigation of the Plasma Effect on the Combustion Efficiency of Gaseous Methane in a Supersonic Flow                                          | High Temperature                                                        | 2022 | 10.1134/S0018151X21040039       |
| Segmentation of Natural and Anthropogenic Objects by Panchromatic Satellite Images Using Statistical Textural Features                           | Optoelectronics, Instrumentation and Data Processing                    | 2022 | 10.3103/S8756699022020029       |
| СЕГМЕНТАЦИЯ ПРИРОДНЫХ И АНТРОПОГЕННЫХ ОБЪЕКТОВ ПО ПАНХРОМАТИЧЕСКИМ СПУТНИКОВЫМ ИЗОБРАЖЕНИЯМ С ИСПОЛЬЗОВАНИЕМ СТАТИСТИЧЕСКИХ ТЕКСТУРНЫХ ПРИЗНАКОВ | Автометрия                                                              | 2022 |                                 |
| Simulation of Water Vapor Photodissociation during Dust Storm Season on Mars                                                                     | Solar System Research                                                   | 2022 | 10.1134/S0038094622010051       |

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| ПРИМЕНЕНИЕ ПРОГРАММНО-АППАРАТНОГО КОМПЛЕКСА НА БАЗЕ БПЛА ДЛЯ РЕШЕНИЯ ЗАДАЧ ОПЕРАТИВНОГО МОНИТОРИНГА ООПТ            | Труды Мордовского государственного природного заповедника им. П.Г. Смидовича                                                         | 2022 |                                   |
| INCREASING THE INFORMATIVITY OF MULTISPECTRAL SATELLITE IMAGES USING TEXTURE ANALYSIS DATA                          | LESNOY ZH                                                                                                                            | 2022 |                                   |
| Exploring the disk-jet connection in NGC 315                                                                        | Astronomy and Astrophysics                                                                                                           | 2022 | 10.1051/0004-6361/202243958       |
| Pulsar death line revisited-II. 'The death valley'                                                                  | Monthly Notices of the Royal Astronomical Society                                                                                    | 2022 | 10.1093/mnras/stac2423            |
| Pulsar death line revisited - I. Almost vacuum gap                                                                  | Monthly Notices of the Royal Astronomical Society                                                                                    | 2022 | 10.1093/mnras/stab3575            |
| Capacity pre-allocation based on a traffic prediction for latency reduction in geo satellite communication systems  | T-Comm: Телекоммуникации и транспорт                                                                                                 | 2022 |                                   |
| Thermal Modification of Porous Oxide Films Obtained by Anodizing of Aluminum–Magnesium Alloy                        | Russian Journal of Inorganic Chemistry                                                                                               | 2022 | 10.1134/S0036023622060262         |
| Thermal Modification of Porous Oxide Films Obtained by Anodizing of Aluminum–Magnesium Alloy                        | Russian Journal of Inorganic Chemistry                                                                                               | 2022 |                                   |
| Влияние температурной обработки на структуру и оптические свойства пористых пленок анодного оксида титана           | Неорганические материалы                                                                                                             | 2022 |                                   |
| Термическая модификация пористых оксидных пленок, полученных анодированием алюминиево-магниевого сплава             | Журнал неорганической химии                                                                                                          | 2022 |                                   |
| Effect of Heat Treatment on the Structure and Optical Properties of Porous Anodic Titanium Oxide Films              | Inorganic Materials                                                                                                                  | 2022 | 10.1134/S0020168522010101         |
| Регуляризация формирования волн-убийц в гиротронах за счет периодической инжекции электронного потока               | СВЧ-техника и телекоммуникационные технологии                                                                                        | 2022 |                                   |
| PDMS-CNT composite for soft bioelectronic neuronal implants                                                         | Composites Part B: Engineering                                                                                                       | 2022 | 10.1016/j.compositesb.2022.110286 |
| High Throughput FPGA Implementation of LDPC Decoder Architecture for DVB-S2X Standard                               | Proceedings of the 2022 International Conference on Information, Control, and Communication Technologies, ICCT 2022                  | 2022 | 10.1109/ICCT56057.2022.9976733    |
| Parabolic jet shape on parsec scales in high redshift AGN                                                           | Monthly Notices of the Royal Astronomical Society                                                                                    | 2022 | 10.1093/mnras/stab3094            |
| Transient Behaviour of Finite-Source Single-Line Queueing Systems with Jumps of Network Traffic                     | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-031-23207-7_26      |
| High Order FIR Filter Hardware Implementation Complexity Reduction                                                  | 2022 24th International Conference on Digital Signal Processing and its Applications, DSPA 2022                                      | 2022 | 10.1109/DSPA53304.2022.9790772    |
| СПИНОВЫЕ ВИХРИ И МАЙОРАНОВСКИЕ СОСТОЯНИЯ В ДОПИРОВАННЫХ ТОПОЛОГИЧЕСКИХ ИЗОЛЯТОРАХ С НЕМАТИЧЕСКОЙ СВЕРХПРОВОДИМОСТЬЮ | Современная электродинамика                                                                                                          | 2022 |                                   |

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| Impact of the current pulse width on the speed of metal-insulator transition in VO2 nanobeams; [Влияние длительности импульсов тока на скорость перехода металл-полупроводник в нанопроводах VO2] | St. Petersburg State Polytechnical University Journal: Physics and Mathematics | 2022 | 10.18721/JPM.153.224             |
| Active and Passive Tuning of Ultranarrow Resonances in Polaritonic Nanoantennas                                                                                                                   | Advanced Materials                                                             | 2022 | 10.1002/adma.202104954           |
| Bridging the Bondi and Event Horizon Scales: 3D GRMHD Simulations Reveal X-shaped Radio Galaxy Morphology                                                                                         | Astrophysical Journal Letters                                                  | 2022 | 10.3847/2041-8213/ac7bed         |
| The keys by Nikolai Kardashev and Yuri Parijskij to the Nature of Active Galactic Nuclei                                                                                                          | Proceedings of Science                                                         | 2022 |                                  |
| Численное исследование колебательного многофазного течения в среде с двойной пористостью и химически активным скелетом                                                                            | Прикладная механика и техническая физика                                       | 2022 |                                  |
| INVESTIGATION OF AN OSCILLATORY MULTIPHASE FLOW IN A DOUBLE-POROSITY MEDIUM WITH A REACTIVE SKELETON                                                                                              | Journal of Applied Mechanics and Technical Physics                             | 2022 | 10.1134/S0021894422050108        |
| Limiting capabilities of two-dimensional plasmonics in electromagnetic wave detection                                                                                                             | Physical Review Applied                                                        | 2022 | 10.1103/PhysRevApplied.17.064055 |
| Information System Based on the Condition Database for the NICA Experiments, User WEB Application, and Related Services                                                                           | Physics of Particles and Nuclei Letters                                        | 2022 | 10.1134/S1547477122050132        |
| Sideways forces on asymmetric tokamak walls during plasma disruptions                                                                                                                             | Nuclear Fusion                                                                 | 2022 | 10.1088/1741-4326/ac5fea         |
| Retention Improvement of HZO-Based Ferroelectric Capacitors with TiO <sub>2</sub> Insets                                                                                                          | ACS OMEGA                                                                      | 2022 |                                  |
| Investigation of the Optical Properties of Tantalum Oxide Nanocluster Films in the Infrared Range                                                                                                 | Physics of Atomic Nuclei                                                       | 2022 | 10.1134/S1063778822100118        |
| On the Reliability of HZO-Based Ferroelectric Capacitors: The Cases of Ru and TiN Electrodes                                                                                                      | Nanomaterials                                                                  | 2022 | 10.3390/nano12173059             |
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| О плоских резонансных вращениях спутника с шаровым демпфером на эллиптической орбите                                                                                               | Прикладная математика и механика                                                                     | 2022 |                                      |
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| ПЛАНИРОВАНИЕ РАСПИСАНИЙ В МУЛЬТИАГЕНТНЫХ СИСТЕМАХ НА БАЗЕ МЕТОДА ОБУЧЕНИЯ С ПОДКРЕПЛЕНИЕМ                                                                                          | Доклады Российской академии наук. Математика, информатика, процессы управления                       | 2022 |                                      |
| 2D distributions of potential and density mean-values and oscillations in the ECRH and NBI plasmas at the TJ-II stellarator                                                        | Plasma Physics and Controlled Fusion                                                                 | 2022 | 10.1088/1361-6587/ac5b4c             |
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| Virial relations for elongated plasmas in a tokamak and their potential use in magnetic diagnostics                                                                                | Physics of Plasmas                                                                                   | 2022 | 10.1063/5.0109492                    |
| Boosting of the SARS-CoV-2-Specific Immune Response after Vaccination with Single-Dose Sputnik Light Vaccine                                                                       | Journal of Immunology                                                                                | 2022 | 10.4049/jimmunol.2101052             |
| Использование Apache Cassandra для реализации прототипа системы метаданных событий экспериментов проекта NICA                                                                      | Письма в журнал Физика элементарных частиц и атомного ядра                                           | 2022 |                                      |
| Prospects of Using Artificial Intelligence in Business Tasks                                                                                                                       | Doklady Mathematics                                                                                  | 2022 | 10.1134/S1064562422060102            |
| СИСТЕМА МНОГОКАМЕРНОЙ ТЕМПОРАЛЬНОЙ ИДЕНТИФИКАЦИИ И ТРЕКИНГА ЧЕЛОВЕКА НА ПРЕДПРИЯТИИ                                                                                                | Правовая информатика                                                                                 | 2022 |                                      |
| Influence of the Dielectric Coating of the Outer Side of the Cathode in the Anode–Cathode Pairs of a Molecular Electronic Sensitive Element on the Conversion Coefficient          | Micromachines                                                                                        | 2022 | 10.3390/mi13030360                   |
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| Robust AAV Genotyping Based on Genetic Distances in Rep Gene That Are Maintained by Ubiquitous Recombination                                             | Viruses                                                  | 2022 | 10.3390/v14051038                 |
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| Complexity of symbolic representation in working memory of Transformer correlates with the complexity of a task                                          | Cognitive Systems Research                               | 2022 | 10.1016/j.cogsys.2022.05.002      |
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| Study of Geodesic Acoustic and Alfvén Modes in Toroidal Fusion Devices (Brief Review)                                                                    | JETP Letters                                             | 2022 | 10.1134/S0021364022200279         |
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| Advances in Magnetism Roadmap on Spin-Wave Computing                                                                                                     | IEEE Transactions on Magnetism                           | 2022 | 10.1109/TMAG.2022.3149664         |
| Exchange spin waves in thin films with gradient composition                                                                                              | Physical Review Materials                                | 2022 | 10.1103/PhysRevMaterials.6.064406 |
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| Albumin microbubbles conjugated with zinc and aluminum phthalocyanine dyes for enhanced photodynamic activity                                            | Colloids and Surfaces B: Biointerfaces                   | 2022 | 10.1016/j.colsurfb.2022.112856    |
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| Effect of hydrostatic pressure on the quantum paraelectric state of dipolar coupled water molecular network                                              | Physical Review Research                                 | 2022 | 10.1103/PhysRevResearch.4.023205  |

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| Flops and spherical functors                                                                                                                                           | Compositio Mathematica                                                                                                        | 2022 | 10.1112/S0010437X22007497         |
| On semistable degenerations of Fano varieties                                                                                                                          | European Journal of Mathematics                                                                                               | 2022 | 10.1007/s40879-021-00457-w        |
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| Biologically Active Fragment of the Receptor for Advanced Glycation End Products (RAGE) Is Able to Inhibit Oligomerization of the Beta-Amyloid                         | Russian Journal of Bioorganic Chemistry                                                                                       | 2022 | 10.1134/S1068162022040197         |
| Effect of local magnetic moments on spectral properties and resistivity near interaction- and doping-induced Mott transitions                                          | Physical Review B                                                                                                             | 2022 | 10.1103/PhysRevB.106.205148       |
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| Study of Structure–Activity Relationships of the Marine Alkaloid Fascaplysin and Its Derivatives as Potent Anticancer Agents                                           | Marine Drugs                                                                                                                  | 2022 | 10.3390/md20030185                |
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| Effect of Thrombin on Cultured Rat Astrocytes Exposed to Oxygen-Glucose Deprivation                                                                                    | Biologicheskie Membrany                                                                                                       | 2022 | 10.31857/S0233475522010042        |

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| Dynamic surface tension probe for measuring the concentration of extracellular vesicles                                                                                             | Biochemical and Biophysical Research Communications                  | 2022 | 10.1016/j.bbrc.2022.04.017     |
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| The K89 capsular polysaccharide produced by <i>Acinetobacter baumannii</i> LUH5552 consists of a pentameric repeat-unit that includes a 3-acetamido-3,6-dideoxy-D-galactose residue | International Journal of Biological Macromolecules                   | 2022 | 10.1016/j.ijbiomac.2022.07.085 |
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| Identification of cell type-specific correlations between ERK activity and cell viability upon treatment with ERK1/2 inhibitors                                                     | Journal of Biological Chemistry                                      | 2022 | 10.1016/j.jbc.2022.102226      |
| Synthesis and Antiproliferative Activity of Triphenylphosphonium Derivatives of Natural Allylpolyalkoxybenzenes                                                                     | ACS Omega                                                            | 2022 | 10.1021/acsomega.1c05515       |
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| Photobiofuel Cells, Current State of Research and Practical Application                                       | Nanobiotechnology Reports                                                                 | 2022 | 10.1134/S2635167622060167         |
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| Electrochemical synthesis of few layer graphene in subcritical electrolyte                                    | Journal of Supercritical Fluids                                                           | 2022 | 10.1016/j.supflu.2022.105627      |
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| Scheduling in Multiagent Systems Using Reinforcement Learning                                                          | Doklady Mathematics                                                                                                                  | 2022 | 10.1134/S1064562422060175      |
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| Многоэмиттерные катодно-модуляторные узлы на основе углеродных материалов                                              | Электромагнитные волны и электронные системы                                                                                         | 2022 |                                |
| Study of Bandwidth Selection Algorithm with Allowed Preamble Puncturing in IEEE 802.11ax and IEEE 802.11be Networks    | Journal of Communications Technology and Electronics                                                                                 | 2022 | 10.1134/S1064226922060134      |
| Machine Learning Based Intrusion Detection System in Cloud Environment                                                 | 2022 8th International Conference on Information Technology and Nanotechnology, ITNT 2022                                            | 2022 | 10.1109/ITNT55410.2022.9848611 |
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| СТРУКТУРНАЯ ОЦЕНКА ФУНКЦИОНАЛЬНОСТИ СИСТЕМЫ БЫСТРЫХ ПЛАТЕЖЕЙ В УСЛОВИЯХ КИБЕРАТАК                                      | Современная математика и концепции инновационного математического образования                                                        | 2022 |                                |
| Формирование секторных диаграмм направленности в решетках многомодовых круглых волноводов                              | Радиотехника                                                                                                                         | 2022 |                                |
| Study of the Collision Resolution Method in New Radio Unlicensed Networks with Multichannel Access of Type A           | Journal of Communications Technology and Electronics                                                                                 | 2022 | 10.1134/S1064226922140091      |
| Повышение точности статического анализа за счет учета значений полей класса, имеющих единственное константное значение | Труды Института системного программирования РАН                                                                                      | 2022 |                                |
| Исследование механизма неявной передачи информации о канале в сетях Wi-Fi                                              | Информационные процессы                                                                                                              | 2022 |                                |
| Masquerading Email Detection                                                                                           | 2022 8th International Conference on Information Technology and Nanotechnology, ITNT 2022                                            | 2022 | 10.1109/ITNT55410.2022.9848745 |
| Study of Implicit Sounding Feedback in Wi-Fi Networks                                                                  | Journal of Communications Technology and Electronics                                                                                 | 2022 | 10.1134/S1064226922140029      |
| Исследование многоканального метода доступа в сетях NR-U в сценариях совместного существования двух операторов         | Информационные процессы                                                                                                              | 2022 |                                |

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| ПЕРСПЕКТИВЫ ПРИМЕНЕНИЯ ИСКУССТВЕННОГО ИНТЕЛЛЕКТА В ПРИКЛАДНЫХ БИЗНЕС-ЗАДАЧАХ                               | Доклады Российской академии наук. Математика, информатика, процессы управления     | 2022 |                               |
| Поиск использований освобожденного ресурса в исходном коде на языке C# методами статического анализа       | Труды Института системного программирования РАН                                    | 2022 |                               |
| Настройка критериев планировщика СУБД с учётом динамической компиляции                                     | Труды Института системного программирования РАН                                    | 2022 |                               |
| Broadband optical and terahertz properties of 1D van der Waals heteronanotubes                             | 2022 IEEE Photonics Society Summer Topicals Meeting Series, SUM 2022 - Proceedings | 2022 | 10.1109/SUM53465.2022.9858319 |
| Minimax and pointwise sequential changepoint detection and identification for general stochastic models    | Journal of Multivariate Analysis                                                   | 2022 | 10.1016/j.jmva.2022.104977    |
| Оптимизация разбиения структур для векторного оптимизатора в графическом компиляторе Intel                 | Современные информационные технологии и ИТ-образование                             | 2022 |                               |
| Is Encrypted ClientHello a Challenge for Traffic Classification?                                           | IEEE Access                                                                        | 2022 | 10.1109/ACCESS.2022.3191431   |
| Изменение поляризации света при ударе молнии: зоны изотропности анизотропного оптического волокна          | Квантовая электроника                                                              | 2022 |                               |
| Materials for a broadband microwave superconducting single photon detector                                 | Superconductor Science and Technology                                              | 2022 | 10.1088/1361-6668/ac8a24      |
| Эффекты статистики фотонов при смешении волн на единичном кубите                                           | Современная электродинамика                                                        | 2022 |                               |
| Dynamics of multiphoton scattering in a two-level mixer                                                    | Physical Review A                                                                  | 2022 | 10.1103/PhysRevA.106.L041701  |
| Compact Remote Spectral Terahertz Imager                                                                   | Journal of Infrared, Millimeter, and Terahertz Waves                               | 2022 | 10.1007/s10762-022-00860-8    |
| Nanotube Functionalization: Investigation, Methods and Demonstrated Applications                           | Materials                                                                          | 2022 | 10.3390/ma15155386            |
| Analysis of the highest energy confinement in tokamaks based on thermodynamic approach                     | Plasma Physics and Controlled Fusion                                               | 2022 | 10.1088/1361-6587/ac999c      |
| What One Can Learn by Studying Spectator Remnants in Central Nucleus–Nucleus Collisions?                   | Physics of Particles and Nuclei                                                    | 2022 | 10.1134/S1063779622020691     |
| Analysis of Melanin Properties in Radio-Frequency Range Based on Distribution of Relaxation Times          | IFMBE Proceedings                                                                  | 2022 | 10.1007/978-3-030-92328-0_66  |
| Исследование метода разрешения коллизий в сетях NR-U при использовании многоканального доступа типа A      | Информационные процессы                                                            | 2022 |                               |
| Методика получения атомарно гладких подложек из монокристаллического кремния методом механического притира | Журнал технической физики                                                          | 2022 |                               |
| Спиновый навигатор на базе корректирующих диполей Нуклотрона/ОИЯИ                                          | Письма в Журнал экспериментальной и теоретической физики                           | 2022 |                               |

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| CONFORMATIONAL APPROACH TO DETERMINING THE POLARIZATION OF POLYETHYLENE OXIDE DURING MELT-CRYSTAL TRANSITIONS IN A NON-UNIFORM TEMPERATURE FIELD | Eurasian Physical Technical Journal                                                                         | 2022 | 10.31489/2022No3/29-33         |
| Measuring heat flux on the surface of a natural reservoir by its infrared image, taking into account environmental conditions                    | Heat and Mass Transfer/Waerme- und Stoffuebertragung                                                        | 2022 | 10.1007/s00231-021-03095-w     |
| Распространение фронта азимутальных колебаний потенциала плазмы в отражательном разряде с термокатодом                                           | Вестник Объединенного института высоких температур                                                          | 2022 |                                |
| Modified Kadomtsev–Petviashvili Equation for Description of Nonlinear Perturbations in Plasma of Dusty Lunar Exosphere                           | Plasma Physics Reports                                                                                      | 2022 | 10.1134/S1063780X22040079      |
| Erratum to: Several Articles in JETP Letters (JETP Letters, (2022), 115, 9, (523-530), 10.1134/S0021364022100551)                                | JETP Letters                                                                                                | 2022 | 10.1134/S002136402235003X      |
| Моделирование фронта ударной волны при сгорании стехиометрической смеси "горючее-окислитель"                                                     | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                |
| Криогенно охлаждаемые антенные отражатели для ММ и СубММ диапазонов                                                                              | СВЧ-техника и телекоммуникационные технологии                                                               | 2022 |                                |
| Монте-карло-моделирование экспериментальной установки по изучению запутанных аннигиляционных фотонов                                             | Письма в журнал Физика элементарных частиц и атомного ядра                                                  | 2022 |                                |
| Neutrino Oscillations: Status and Prospects                                                                                                      | Physics of Particles and Nuclei                                                                             | 2022 | 10.1134/S1063779622040098      |
| Two-dimensional extrapolation procedure for an ab initio study of nuclear size parameters and the properties of the halo nucleus He 6            | Physical Review C                                                                                           | 2022 | 10.1103/PhysRevC.106.034305    |
| Measurement of the T-Odd Correlation in the $K^+ \rightarrow \pi^0 e^+ \nu_e$ Radiative Decay at the OKA Setup                                   | JETP Letters                                                                                                | 2022 | 10.1134/S0021364022602184      |
| Physics and Status of SFGD Detector for T2K Experiment                                                                                           | Moscow University Physics Bulletin                                                                          | 2022 | 10.3103/S0027134922020564      |
| Investigation of Light Collection in Scintillation Cubes of the SFGD Detector                                                                    | Physics of Particles and Nuclei Letters                                                                     | 2022 | 10.1134/S1547477122060036      |
| Измерение T -нечетной корреляции в радиационном распаде $K^+ \rightarrow \pi^+ \nu_e \mu^+ \nu_\mu$ с помощью установки ОКА                      | Письма в Журнал экспериментальной и теоретической физики                                                    | 2022 |                                |
| Sgoldstino signal at FASER: prospects in searches for supersymmetry                                                                              | Journal of High Energy Physics                                                                              | 2022 | 10.1007/JHEP08(2022)155        |
| Beyond freeze-in: Dark matter via inverse phase transition and gravitational wave signal                                                         | Physical Review D                                                                                           | 2022 | 10.1103/PhysRevD.105.063530    |
| Neutrino Oscillations: Status and Prospects                                                                                                      | Physics of Particles and Nuclei                                                                             | 2022 |                                |
| A measurement of the $K^+ \rightarrow \pi^+ \mu^+ \mu^-$ decay                                                                                   | Journal of High Energy Physics                                                                              | 2022 | 10.1007/JHEP11(2022)011        |
| Осцилляции нейтрино: статус и перспективы                                                                                                        | Физика элементарных частиц и атомного ядра                                                                  | 2022 |                                |
| A 4π time-of-flight detector for the ND280/T2K upgrade                                                                                           | Journal of Instrumentation                                                                                  | 2022 | 10.1088/1748-0221/17/01/P01016 |

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| Sgoldstino signal at FASER: prospects in searches for supersymmetry                                                               | Journal of High Energy Physics                                                                              | 2022 |                                 |
| Lepton reconstruction in the ENUBET tagger                                                                                        | Proceedings of Science                                                                                      | 2022 |                                 |
| Physics and Status of SFGD Detector for T2K Experiment                                                                            | Вестник Московского университета. Серия 3: Физика. Астрономия                                               | 2022 |                                 |
| Passage of millicharged particles in the electron beam-dump: Refining constraints from SLACmQ and estimating sensitivity of NA64e | Physical Review D                                                                                           | 2022 | 10.1103/PhysRevD.106.035029     |
| Несимметричные метакрилатсодержащие бензилиденциклопентановые красители в одно- и двухфотонной фотополимеризации                  | Химия высоких энергий                                                                                       | 2022 |                                 |
| Track reconstruction and matching between emulsion and silicon pixel detectors for the SHiP-charm experiment                      | Journal of Instrumentation                                                                                  | 2022 | 10.1088/1748-0221/17/03/P03013  |
| The SHiP experiment at the proposed CERN SPS Beam Dump Facility                                                                   | European Physical Journal C                                                                                 | 2022 | 10.1140/epjc/s10052-022-10346-5 |
| Влияние параметров передающей линии на степень согласования генератора с СИС-смесителем в диапазоне частот 200-700 GHz            | Физика твердого тела                                                                                        | 2022 |                                 |
| Tetramethacrylic benzylidene cyclopentanone dye for one- and two-photon photopolymerization                                       | European Polymer Journal                                                                                    | 2022 | 10.1016/j.eurpolymj.2021.110917 |
| Обогащение изотопом $^{15}\text{N}$ атомарной компоненты азота в реакциях атомно-молекулярного обмена в послеразрядной зоне       | Журнал технической физики                                                                                   | 2022 |                                 |
| Экспериментальное исследование диффузии ионов $\text{H}^{+}$ , $\text{Cl}^{-}$ и $\text{Na}^{+}$ в водном растворе                | Физическое образование в ВУЗах                                                                              | 2022 |                                 |
| Cosmic-Ray Variations in 2021 According to Observation Data of the Experimental Complex of Eurasian National University           | Cosmic Research                                                                                             | 2022 | 10.1134/S0010952522060077       |
| State of the art in dissociative electron attachment spectroscopy and its prospects                                               | Physics-Uspekhi                                                                                             | 2022 | 10.3367/UFNe.2021.09.039054     |
| Optoelectronic properties of nanotubes based on tungsten disulfide                                                                | 2022 IEEE Photonics Society Summer Topicals Meeting Series, SUM 2022 - Proceedings                          | 2022 | 10.1109/SUM53465.2022.9858252   |
| Низкочастотные осцилляции в осмотических процессах                                                                                | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                 |
| The Optimal Axis-Symmetrical Plasma Potential Distribution for Plasma Mass Separation                                             | Molecules                                                                                                   | 2022 | 10.3390/molecules27206824       |

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| Рефлектометрическое измерение температуры с использованием оптоволоконной структуры "однодод-многодод-однодод"                                                                | Письма в Журнал технической физики                                                                                              | 2022 |                                      |
| Gravitational waves from first-order electroweak phase transition in a model with light sgoldstinos                                                                           | Journal of High Energy Physics                                                                                                  | 2022 | 10.1007/JHEP07(2022)061              |
| Scintillator ageing of the T2K near detectors fro 2010 to 2021                                                                                                                | J INSTRUM                                                                                                                       | 2022 |                                      |
| Searches for lepton number violating $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ decays                                                                                             | PHYS LETT B                                                                                                                     | 2022 |                                      |
| Revisiting PS191 limits on sterile neutrinos                                                                                                                                  | PHYS LETT B                                                                                                                     | 2022 |                                      |
| BEST impact on sterile neutrino hypothesis                                                                                                                                    | Physical Review D                                                                                                               | 2022 | 10.1103/PhysRevD.105.L051703         |
| Sensitivity of the upgraded T2K Near Detector to constrain neutrino and antineutrino interactions with no mesons in the final state by exploiting nucleon-lepton correlations | Physical Review D                                                                                                               | 2022 | 10.1103/PhysRevD.105.032010          |
| Gravitational shine of dark domain walls                                                                                                                                      | Journal of Cosmology and Astroparticle Physics                                                                                  | 2022 | 10.1088/1475-7516/2022/04/028        |
| 3D SuperFGD detector for the T2K experiment                                                                                                                                   | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2022 | 10.1016/j.nima.2022.167219           |
| Application of a broadband Josephson parametric amplifier                                                                                                                     | Научно-технические ведомости Санкт-Петербургского государственного политехнического университета. Физико-математические науки   | 2022 |                                      |
| Исследование автоэмиссионных свойств многоэмиттерных катодов из углеродных нанотрубок                                                                                         | Радиотехника                                                                                                                    | 2022 |                                      |
| Модельно-ориентированный инжиниринг физико-технических, информационных и интеллектуальных систем                                                                              | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                     | 2022 |                                      |
| Применение дисперсионного энергоанализатора для исследования катодов сложного состава                                                                                         | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)                     | 2022 |                                      |
| Implicit Hybrid Grid-Characteristic Method for Modeling Dynamic Processes in Acoustic Medium                                                                                  | Lobachevskii Journal of Mathematics                                                                                             | 2022 | 10.1134/S1995080222070204            |
| Personalization of mathematical models in cardiology: obstacles and perspectives; [Персонализация математических моделей в кардиологии: трудности и перспективы]              | Computer Research and Modeling                                                                                                  | 2022 | 10.20537/2076-7633-2022-14-4-911-930 |
| Comparison of algorithms for estimating blood flow velocities in cerebral arteries based on the transport information of contrast agent: An in silico study                   | Computers in Biology and Medicine                                                                                               | 2022 | 10.1016/j.combiomed.2021.105040      |

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| Calculation of transverse wave speed in preloaded fibres under an impact;<br>[Расчет скорости поперечной волны при ударе по предварительно нагруженным нитям]     | Computer Research and Modeling                                                                              | 2022 | 10.20537/2076-7633-2022-14-4-887-897 |
| The Anomalous Suction Effect on Instability of a Supersonic Boundary Layer                                                                                        | Doklady Physics                                                                                             | 2022 | 10.1134/S1028335822040012            |
| Numerical exploration of models of geological media with methane cavities by the grid-characteristic method                                                       | Radioelektronika, Nanosistemy, Informacionnye Tehnologii                                                    | 2022 | 10.17725/rensit.2022.14.181          |
| СИМВОЛЬНЫЕ МЕТОДЫ ВЫЧИСЛЕНИЯ ПОЛОЖЕНИЙ РАВНОВЕСИЯ СИСТЕМЫ ДВУХ СВЯЗАННЫХ ТЕЛ НА КРУГОВОЙ ОРБИТЕ                                                                   | Программирование                                                                                            | 2022 |                                      |
| Personalized computational estimation of relative change in coronary blood flow after percutaneous coronary intervention in short-term and long-term perspectives | Russian Journal of Numerical Analysis and Mathematical Modelling                                            | 2022 | 10.1515/rnam-2022-0024               |
| Machine learning for composite structure optimization                                                                                                             | Materials Today: Proceedings                                                                                | 2022 | 10.1016/j.matpr.2022.05.417          |
| Blood flow from competent tributaries is likely contributor to distally increasing reflux volume in incompetent great saphenous vein                              | Journal of Vascular Surgery: Venous and Lymphatic Disorders                                                 | 2022 | 10.1016/j.jvsv.2021.04.010           |
| Решение обратных задач сейсморазведки трещиноватых пластов методами машинного обучения                                                                            | Успехи кибернетики                                                                                          | 2022 |                                      |
| Статическая оценка производительности посредством эмбедингов промежуточных представлений LLVM                                                                     | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                      |
| Ultrasonic Study of Sea Ice Ridges                                                                                                                                | Smart Innovation, Systems and Technologies                                                                  | 2022 | 10.1007/978-981-19-3444-5_23         |
| О СОВМЕСТНОМ МОДЕЛИРОВАНИИ ВОЛНОВЫХ ЯВЛЕНИЙ СЕТОЧНО-ХАРАКТЕРИСТИЧЕСКИМ МЕТОДОМ И РАЗРЫВНЫМ МЕТОДОМ ГАЛЕРКИНА                                                      | Доклады Российской академии наук. Математика, информатика, процессы управления                              | 2022 |                                      |
| The Increasing of Resource Sharing Efficiency in Network Slicing Implementation                                                                                   | Communications in Computer and Information Science                                                          | 2022 | 10.1007/978-3-030-97110-6_2          |
| Grid-characteristic method on Chimera meshes using a single background grid with varying elastic properties                                                       | Procedia Computer Science                                                                                   | 2022 | 10.1016/j.procs.2022.09.196          |
| Extension of Near-Wall Domain Decomposition to Modeling Flows with Laminar-Turbulent Transition                                                                   | COMMUN COMPUT PHYS                                                                                          | 2022 |                                      |
| Моделирование неоднородных сред с явным выделением неоднородностей сеточно-характеристическим методом                                                             | Успехи кибернетики                                                                                          | 2022 |                                      |
| Большие социальные системы, как активные открытые среды                                                                                                           | Моделирование, декомпозиция и оптимизация сложных динамических процессов                                    | 2022 |                                      |
| On Numerical Modeling of Fiber Deformation and Destruction under Impact Load                                                                                      | Doklady Mathematics                                                                                         | 2022 | 10.1134/S1064562422030061            |

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| Using Chimera Grids to Describe Boundaries of Complex Shape                                                                                                                                                                                                         | Smart Innovation, Systems and Technologies                                                                  | 2022 | 10.1007/978-981-19-3444-5_22         |
| Численное моделирование развития турбулентных пятен в сверхзвуковом пограничном слое на пластине                                                                                                                                                                    | Математическое моделирование                                                                                | 2022 |                                      |
| Higher Order Schemes for Problems of Dynamics of Layered Media with Nonlinear Contact Conditions                                                                                                                                                                    | Smart Innovation, Systems and Technologies                                                                  | 2022 | 10.1007/978-981-16-8926-0_19         |
| Erratum to: On Numerical Modeling of Fiber Deformation and Destruction under Impact Load (Doklady Mathematics, (2022), 105, 3, (207-211), 10.1134/S1064562422030061)                                                                                                | Doklady Mathematics                                                                                         | 2022 | 10.1134/S1064562422050027            |
| Влияние нестационарных возмущений на отделение тонкого тела                                                                                                                                                                                                         | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                      |
| Numerical research of thermal changes influence to the ground in permafrost conditions                                                                                                                                                                              | Radioelektronika, Nanosistemy, Informacionnye Tehnologii                                                    | 2022 | 10.17725/RENSIT.2022.14.175          |
| Computer Algebra Methods for Searching the Stationary Motions of the Connected Bodies System Moving in Gravitational Field                                                                                                                                          | Mathematics in Computer Science                                                                             | 2022 | 10.1007/s11786-022-00535-6           |
| Grid-Characteristic Method on Overlapping Curvilinear Meshes for Modeling Elastic Waves Scattering on Geological Fractures                                                                                                                                          | Minerals                                                                                                    | 2022 | 10.3390/min12121597                  |
| Joint Modeling of Wave Phenomena by Applying the Grid-Characteristic Method and the Discontinuous Galerkin Method                                                                                                                                                   | Doklady Mathematics                                                                                         | 2022 | 10.1134/S1064562422050179            |
| Modeling of wave responses from fracture zones with a given distribution of their characteristics                                                                                                                                                                   | Procedia Computer Science                                                                                   | 2022 | 10.1016/j.procs.2022.09.193          |
| Arbitrary Lagrangian-Eulerian discrete velocity method with application to laser-induced plume expansion                                                                                                                                                            | Applied Mathematics and Computation                                                                         | 2022 | 10.1016/j.amc.2022.127241            |
| Symbolic Methods for Studying the Equilibrium Orientations of a System of Two Connected Bodies in a Circular Orbit                                                                                                                                                  | Programming and Computer Software                                                                           | 2022 | 10.1134/S0361768822020050            |
| Raising convergence order of grid-characteristic schemes for 2D linear elasticity problems using operator splitting; [Повышение порядка точности сеточно-характеристического метода для задач двумерной линейной упругости с помощью схем операторного расщепления] | Computer Research and Modeling                                                                              | 2022 | 10.20537/2076-7633-2022-14-4-899-910 |
| Numerical Modelling of the Hydraulic Fracturing Through Microseismic Monitoring                                                                                                                                                                                     | Lecture Notes in Computational Science and Engineering                                                      | 2022 | 10.1007/978-3-030-87809-2_37         |
| APPLICATION OF THE GRID-CHARACTERISTIC METHOD FOR SOLVING THE PROBLEMS OF THE PROPAGATION OF DYNAMIC WAVES USING HPC SYSTEMS                                                                                                                                        | Computational Mathematics and Information Technologies                                                      | 2022 |                                      |
| Численное исследование влияния температурных изменений на грунт в условиях многолетней мерзлоты                                                                                                                                                                     | Радиоэлектроника. Наносистемы. Информационные технологии                                                    | 2022 |                                      |

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| О ЧИСЛЕННОМ МОДЕЛИРОВАНИИ ДЕФОРМИРОВАНИЯ И РАЗРУШЕНИЯ НИТИ ПОД ДЕЙСТВИЕМ УДАРНОЙ НАГРУЗКИ                                                                                                                   | Доклады Российской академии наук. Математика, информатика, процессы управления | 2022 |                                 |
| Generalized Riemann Problem on the Decay of a Discontinuity with Additional Conditions at the Boundary and Its Application for Constructing Computational Algorithms                                        | Journal of Mathematical Sciences (United States)                               | 2022 | 10.1007/s10958-022-05945-2      |
| The Study of Mach Waves Generated by a Roughness Element                                                                                                                                                    | International Journal of Aeronautical and Space Sciences                       | 2022 | 10.1007/s42405-022-00471-6      |
| Combined Numerical Schemes                                                                                                                                                                                  | Computational Mathematics and Mathematical Physics                             | 2022 | 10.1134/S0965542522100025       |
| Measurement of $B(B_s \rightarrow dsX)$ with $B_s$ semileptonic tagging                                                                                                                                     | Physical Review D                                                              | 2022 | 10.1103/PhysRevD.105.012004     |
| Search for the decay $B_s0 \rightarrow \eta\eta$                                                                                                                                                            | Physical Review D                                                              | 2022 | 10.1103/PhysRevD.105.012007     |
| Search for long-lived heavy neutral leptons with displaced vertices in proton-proton collisions at $\sqrt{s} = 13$ TeV                                                                                      | Journal of High Energy Physics                                                 | 2022 |                                 |
| Measurements of the associated production of a W boson and a charm quark in proton-proton collisions at $\sqrt{s}=8$ TeV                                                                                    | European Physical Journal C                                                    | 2022 | 10.1140/epjc/s10052-022-10897-7 |
| Критерий бесконечной гамма обратной связи в модели Дваера                                                                                                                                                   | Ученые записки физического факультета Московского университета                 | 2022 |                                 |
| Measurement of the Drell-Yan forward-backward asymmetry at high dilepton masses in proton-proton collisions at $\sqrt{s} = 13$ TeV                                                                          | Journal of High Energy Physics                                                 | 2022 |                                 |
| Search for heavy resonances decaying to $Z(\nu\bar{\nu})V(q\bar{q})$ in proton-proton collisions at $\sqrt{s}=13$ TeV                                                                                       | Physical Review D                                                              | 2022 | 10.1103/PhysRevD.106.012004     |
| Radio and $\gamma$ -Ray Activity in the Jet of the Blazar S5 0716+714                                                                                                                                       | Astrophysical Journal                                                          | 2022 | 10.3847/1538-4357/ac31b4        |
| Erratum to: Measurement of exclusive Y photoproduction from protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV (The European Physical Journal C, (2019), 79, 3, (277), 10.1140/epjc/s10052-019-6774-8) | European Physical Journal C                                                    | 2022 | 10.1140/epjc/s10052-022-10276-2 |
| Measurement of the inclusive and differential WZ production cross sections, polarization angles, and triple gauge couplings in pp collisions at $\sqrt{s} = 13$ TeV                                         | Journal of High Energy Physics                                                 | 2022 |                                 |
| Status and initial physics performance studies of the MPD experiment at NICA                                                                                                                                | European Physical Journal A                                                    | 2022 | 10.1140/epja/s10050-022-00750-6 |
| Numerical Modeling of High-Enthalpy Two-Phase Flow in a Channel with Transverse Injection of a Reactive Liquid                                                                                              | Journal of Engineering Physics and Thermophysics                               | 2022 | 10.1007/s10891-022-02596-7      |
| ЧИСЛЕННОЕ МОДЕЛИРОВАНИЕ ВЫСОКОЭНТАЛЬПИЙНОГО ДВУХФАЗНОГО ТЕЧЕНИЯ В КАНАЛЕ ПРИ ПОПЕРЕЧНОЙ ИНЖЕКЦИИ РЕАГИРУЮЩЕЙ ЖИДКОСТИ                                                                                       | Инженерно-физический журнал                                                    | 2022 |                                 |
| Оптимизация инжекции двухфазных продуктов газификации энергетических конденсированных составов в модельную камеру сгорания малого удлинения                                                                 | Теплофизика высоких температур                                                 | 2022 |                                 |

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| Optimizing the Injection of Two-Phase Gasification Products of Power Condensed Compositions into a Model Combustion Chamber with Small Extention                                                  | High Temperature                                                                                | 2022 | 10.1134/S0018151X22010060      |
| Полевая электронная спектроскопия оксидных катодов                                                                                                                                                | Журнал радиоэлектроники                                                                         | 2022 |                                |
| Cathodoluminescent UV Sources for Air Disinfection Applications                                                                                                                                   | IFMBE Proceedings                                                                               | 2022 | 10.1007/978-3-030-92328-0_21   |
| Erratum: Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $s = 13$ TeV (Journal of High Energy Physics, (2020), 2020, 4, (171), 10.1007/JHEP04(2020)171) | Journal of High Energy Physics                                                                  | 2022 | 10.1007/JHEP03(2022)187        |
| Search for charged-lepton flavor violation in top quark production and decay in pp collisions at $s = \sqrt{s} = 13$ TeV                                                                          | Journal of High Energy Physics                                                                  | 2022 |                                |
| Комбинированные численные схемы                                                                                                                                                                   | Журнал вычислительной математики и математической физики                                        | 2022 |                                |
| Движение и деформация квазиизометрической сетки с геометрически адаптированной метрикой                                                                                                           | Журнал вычислительной математики и математической физики                                        | 2022 |                                |
| ЧИСЛЕННОЕ МОДЕЛИРОВАНИЕ ВЛИЯНИЯ ВОЛНЫ МАХА НА ЛАМИНАРНО-ТУРБУЛЕНТНЫЙ ПЕРЕХОД В СВЕРХЗВУКОВОМ ПОГРАНИЧНОМ СЛОЕ                                                                                     | Доклады Российской академии наук. Физика, технические науки                                     | 2022 |                                |
| Источники турбулентности на прямом крыле сверхзвукового пассажирского самолёта                                                                                                                    | Математическое моделирование                                                                    | 2022 |                                |
| Distributed Thermo-Anemometer Data Processing for Wellbore Fluid Phase Determination                                                                                                              | 2022 24th International Conference on Digital Signal Processing and its Applications, DSPA 2022 | 2022 | 10.1109/DSPA53304.2022.9790749 |
| Ffowcs Williams – Hawkings analogy for near-field acoustic sources analysis                                                                                                                       | International Journal of Aeroacoustics                                                          | 2022 | 10.1177/1475472X221107367      |
| Численное решение задачи Стефана для искусственного ледового острова                                                                                                                              | Успехи кибернетики                                                                              | 2022 |                                |
| Non-Simplicial Delaunay Meshing via Approximation by Radical Partitions                                                                                                                           | Computational Mathematics and Mathematical Physics                                              | 2022 | 10.1134/S096554252208005X      |
| Построение несимплициальных сеток делоне посредством аппроксимации радикальными разбиениями                                                                                                       | Журнал вычислительной математики и математической физики                                        | 2022 |                                |
| Simulation of the Laminar–Turbulent Transition by Applying Hybrid Difference Schemes                                                                                                              | Computational Mathematics and Mathematical Physics                                              | 2022 | 10.1134/S0965542522040054      |
| Addendum: Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV                                                       | J HIGH ENERGY PHYS                                                                              | 2022 |                                |
| Bicompact Schemes for the Numerical Solution of the Reed Problem Using HOLO Algorithms                                                                                                            | Mathematical Models and Computer Simulations                                                    | 2022 | 10.1134/S2070048222020028      |
| Extension of Near-Wall Domain Decomposition to Modeling Flows with Laminar-Turbulent Transition                                                                                                   | Communications in Computational Physics                                                         | 2022 | 10.4208/CICP.OA-2021-0123      |

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| Уточнение поля течения с помощью сверточных нейронных сетей в задачах внешней аэродинамики                                                                                                  | Успехи кибернетики                                                                                                                   | 2022 |                              |
| Numerical Simulation of the Influence of a Mach Wave on the Laminar–Turbulent Transition in a Supersonic Boundary Layer                                                                     | Doklady Physics                                                                                                                      | 2022 | 10.1134/S1028335822050019    |
| Stochastic perturbation of tendencies and parameters of parameterizations in the global ensemble prediction system based on the SL-AV model                                                 | Russian Journal of Numerical Analysis and Mathematical Modelling                                                                     | 2022 | 10.1515/rnam-2022-0027       |
| АНОМАЛЬНОЕ ВЛИЯНИЕ ОТСОСА НА НЕУСТОЙЧИВОСТЬ СВЕРХЗВУКОВОГО ПОГРАНИЧНОГО СЛОЯ                                                                                                                | Доклады Российской академии наук. Физика, технические науки                                                                          | 2022 |                              |
| Performance Analysis of GPU-Based Code for Complex Plasma Simulation                                                                                                                        | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-031-22941-1_20 |
| Capsule-Targeting Depolymerases Derived from Acinetobacter baumannii Prophage Regions                                                                                                       | International Journal of Molecular Sciences                                                                                          | 2022 | 10.3390/ijms23094971         |
| Miniature Long-Range Ceramic On-Metal RFID Tag                                                                                                                                              | IEEE Transactions on Antennas and Propagation                                                                                        | 2022 | 10.1109/TAP.2022.3195551     |
| Tools for Capturing and Processing High-Speed Network Traffic                                                                                                                               | Programming and Computer Software                                                                                                    | 2022 | 10.1134/S0361768822080011    |
| Synchronization on star-like graphs and emerging $\mathbb{Z}$ psymmetries at strong coupling                                                                                                | Journal of Complex Networks                                                                                                          | 2022 | 10.1093/comnet/cnac015       |
| SUSY and Tri-Vector Deformations                                                                                                                                                            | Symmetry                                                                                                                             | 2022 | 10.3390/sym14122525          |
| ЧИСЛЕННОЕ МОДЕЛИРОВАНИЕ ВЫХОДА ЯДЕРНЫХ РЕАКЦИЙ $^{11}\text{B}(\text{p}, \alpha)$ И $^{11}\text{B}(\text{p}, \text{n})\text{C}^{11}$ , ИНИЦИИРУЕМЫХ МОЩНЫМ ПИКОСЕКУНДНЫМ ЛАЗЕРНЫМ ИЗЛУЧЕНИЕМ | Журнал экспериментальной и теоретической физики                                                                                      | 2022 |                              |
| Domain wall between the Dirac sea and the 'anti-Dirac sea'                                                                                                                                  | Classical and Quantum Gravity                                                                                                        | 2022 | 10.1088/1361-6382/ac40e6     |
| Time-dependent exchange creates the time-frustrated state of matter                                                                                                                         | Scientific Reports                                                                                                                   | 2022 | 10.1038/s41598-022-19751-y   |
| Negative compressibility of a nonequilibrium nonideal Bose-Einstein condensate                                                                                                              | Physical Review E                                                                                                                    | 2022 | 10.1103/PhysRevE.106.064108  |
| Environment-assisted strong coupling regime                                                                                                                                                 | Quantum                                                                                                                              | 2022 | 10.22331/Q-2022-04-13-684    |
| Self-Consistent Study of Nuclear Charge Radii in Ar–Ti Region                                                                                                                               | Physics of Atomic Nuclei                                                                                                             | 2022 | 10.1134/S1063778822030061    |
| Качественное рассмотрение эффекта Шарнхорста                                                                                                                                                | Письма в Журнал экспериментальной и теоретической физики                                                                             | 2022 |                              |
| The $\text{MS}^{-}$ -scheme $\alpha_s$ QCD contributions to the Adler function and Bjorken polarized sum rule in the Crewther-type two-fold $\{\beta\}$ -expanded representation            | Journal of High Energy Physics                                                                                                       | 2022 | 10.1007/JHEP05(2022)028      |
| Spin accumulation and spin Hall effect in a two-layer system with a thin ferromagnetic layer                                                                                                | Journal of Physics Condensed Matter                                                                                                  | 2022 | 10.1088/1361-648X/ac4c65     |
| Machine Learning Approach to Data Processing of TFBG-Assisted SPR Sensors                                                                                                                   | Journal of Lightwave Technology                                                                                                      | 2022 | 10.1109/JLT.2022.3148533     |

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| Using extended ODE systems to investigate the mathematical model of the blood coagulation; [Использование продолженных систем ОДУ для исследования математических моделей свертывания крови]                     | Computer Research and Modeling                  | 2022 | 10.20537/2076-7633-2022-14-4-931-951 |
| On the Non-abelian U-duality of 11D Backgrounds                                                                                                                                                                  | Universe                                        | 2022 | 10.3390/universe8050276              |
| Оптические блоховские осцилляции в массивах волноводов с показателем преломления, зависящим от температуры                                                                                                       | СВЧ-техника и телекоммуникационные технологии   | 2022 |                                      |
| Modelling of Electron and Thermal Transport in Quasi-Fractal Carbon Nitride Nanoribbons                                                                                                                          | Fractal and Fractional                          | 2022 | 10.3390/fractalfract6020115          |
| Exact Analytical Solution for the Density Matrix of a Nonequilibrium Polariton Bose-Einstein Condensate                                                                                                          | Physical Review Letters                         | 2022 | 10.1103/PhysRevLett.128.065301       |
| Modeling of the Electrical Properties of Self-Assembled Island-Type Films of Polar C60F18 Molecules on Chemically Inactive Surfaces                                                                              | Journal of Surface Investigation                | 2022 | 10.1134/S1027451022030107            |
| САМОСОГЛАСОВАННОЕ ИССЛЕДОВАНИЕ СВОЙСТВ ОСНОВНЫХ СОСТОЯНИЙ И $\beta$ -РАСПАДА ИЗОТОПОВ КИСЛОРОДА И ФТОРА                                                                                                          | Ядерная физика                                  | 2022 |                                      |
| Symmetry-Induced Emergence of a Pseudo-Qutrit in the Dipolar Coupling of Two Qubits                                                                                                                              | Entropy                                         | 2022 | 10.3390/e24020223                    |
| Second-Order Autocorrelation Function of Spectrally Filtered Light From an Incoherently Pumped Two-Level System                                                                                                  | Annalen der Physik                              | 2022 | 10.1002/andp.202100286               |
| Numerical Simulation of the Yield of $\alpha$ Particles and Neutrons from the $^{11}\text{B}(p, 3\alpha)$ and $^{11}\text{B}(p, n)^{11}\text{C}$ Nuclear Reactions Induced by Intense Picosecond Laser Radiation | Journal of Experimental and Theoretical Physics | 2022 | 10.1134/S1063776122070019            |
| Notes on Interplay between the QCD and EW Perturbative Corrections to the Pole-Running-to-Top-Quark Mass Ratio (vol 115, pg 704, 2022)                                                                           | JETP LETT+                                      | 2022 |                                      |
| Notes on peculiarities of quantum fields in space-times with horizons                                                                                                                                            | CLASSICAL QUANT GRAV                            | 2022 |                                      |
| Analytical framework for non-equilibrium phase transition to Bose-Einstein condensate                                                                                                                            | QUANTUM-AUSTRIA                                 | 2022 |                                      |
| Environment-assisted strong coupling regime                                                                                                                                                                      | QUANTUM-AUSTRIA                                 | 2022 |                                      |
| Overcoming the Diffraction Limit on the Size of Dielectric Resonators Using an Amplifying Medium                                                                                                                 | Physical Review Letters                         | 2022 | 10.1103/PhysRevLett.129.133901       |
| Phase-field model of ion transport and intercalation in lithium-ion battery                                                                                                                                      | Journal of Energy Storage                       | 2022 | 10.1016/j.est.2022.104319            |

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| Graphenylene/Janus transition metal dichalcogenides $\text{XMoY}$ ( $\text{X} \neq \text{Y} = \text{S, Te, Se}$ ) as novel van der Waals heterostructures for optoelectronic applications | Physica E: Low-Dimensional Systems and Nanostructures                   | 2022 | 10.1016/j.physe.2022.115305  |
| Rare decays of the $B_s$ -meson into four charged leptons in the framework of the Standard Model                                                                                          | Physica Scripta                                                         | 2022 | 10.1088/1402-4896/ac7422     |
| Asymmetric Dissociative Tunneling Ionization of Tetrafluoromethane in $\omega - 2\omega$ Intense Laser Fields                                                                             | Frontiers in Chemistry                                                  | 2022 | 10.3389/fchem.2022.857863    |
| Analytical framework for non-equilibrium phase transition to Bose–Einstein condensate                                                                                                     | Quantum                                                                 | 2022 | 10.22331/Q-2022-05-24-719    |
| Helicity-dependent dissociative tunneling ionization of $\text{CF}_4$ in multicycle circularly polarized intense laser fields                                                             | Physical Chemistry Chemical Physics                                     | 2022 | 10.1039/d1cp05858d           |
| Some properties of maximal trace measure of quantum computer error rate                                                                                                                   | Proceedings of SPIE - The International Society for Optical Engineering | 2022 | 10.1117/12.2624606           |
| Asymmetric $\text{XMoSiN}_2$ ( $\text{X}=\text{S, Se, Te}$ ) monolayers as novel promising 2D materials for nanoelectronics and photovoltaics                                             | Applied Surface Science                                                 | 2022 | 10.1016/j.apsusc.2022.152465 |
| Supervised graph classification for chiral quantum walks                                                                                                                                  | Physical Review A                                                       | 2022 | 10.1103/PhysRevA.105.022208  |
| Erratum to: Modification of the SVD Unfolding Regularization Method (JETP Letters, (2022), 115, (697–703), 10.1134/S0021364022600859)                                                     | JETP Letters                                                            | 2022 | 10.1134/S0021364022380039    |
| Calculation of the Photorecombination Spectrum when Atoms Irradiated by a Strong Laser Field Based on the Markov Approximation                                                            | Optics and Spectroscopy                                                 | 2022 | 10.1134/S0030400X22010052    |
| Time Reversal and Tomographic Representation for Signal Processing in Living Systems                                                                                                      | Journal of Russian Laser Research                                       | 2022 | 10.1007/s10946-022-10067-w   |
| Resonant Concentration-Driven Control of Dye Molecule Photodegradation via Strong Optical Coupling to Plasmonic Nanoparticles                                                             | Nano Letters                                                            | 2022 | 10.1021/acs.nanolett.1c03277 |
| Оптические свойства и фоторазогрев водных суспензий нанокompозитных частиц на основе кремния с осажденным золотом                                                                         | Оптика и спектроскопия                                                  | 2022 |                              |
| The massless thermal field and the thermal fermion bosonization in two dimensions                                                                                                         | Journal of High Energy Physics                                          | 2022 | 10.1007/JHEP09(2022)123      |
| Loop corrections to cosmological particle creation                                                                                                                                        | Physical Review D                                                       | 2022 | 10.1103/PhysRevD.105.105019  |
| Probing Unruh radiation and the equivalence principle with Unruh-DeWitt detectors                                                                                                         | Breakdown of Einstein's Equivalence Principle                           | 2022 | 10.1142/9789811253591_0002   |
| Elementary Excitations in the Ferromagnetic Bose–Einstein Condensate of Low-Density Gas of Arbitrary Spin Particles                                                                       | Journal of Low Temperature Physics                                      | 2022 | 10.1007/s10909-022-02670-7   |

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| Расчет спектра фоторекомбинации при облучении атомов сильным лазерным полем на основе марковского приближения                             | Оптика и спектроскопия                                              | 2022 |                                  |
| Investigation of the Yield of the Nuclear Reaction (Formula presented.)<br>Initiated by Powerful Picosecond Laser Radiation               | Physics of Atomic Nuclei                                            | 2022 | 10.1134/S1063778822010070        |
| Dynamic Model of a Non-equilibrium Chemical Composition Formation in the Shell of Single Neutron Stars                                    | Astronomy Reports                                                   | 2022 | 10.1134/S1063772922030039        |
| Symplectic tomographic probability distribution of crystallized Schrödinger cat states                                                    | Physics Letters, Section A: General, Atomic and Solid State Physics | 2022 | 10.1016/j.physleta.2022.128044   |
| Free energy and entropy in Rindler and de Sitter space-times                                                                              | Physical Review D                                                   | 2022 | 10.1103/PhysRevD.105.105003      |
| Exceptional-Point Phase Transition in Coupled Magnonic Waveguides                                                                         | Physical Review Applied                                             | 2022 | 10.1103/PhysRevApplied.18.024073 |
| Одномерный мир как площадка для исследования киральных эффектов                                                                           | Письма в Журнал экспериментальной и теоретической физики            | 2022 |                                  |
| Notes on peculiarities of quantum fields in space-times with horizons                                                                     | Classical and Quantum Gravity                                       | 2022 | 10.1088/1361-6382/ac8f0e         |
| Heralded single-photon source based on an ensemble of Raman-active molecules                                                              | Journal of the Optical Society of America B: Optical Physics        | 2022 | 10.1364/JOSAB.457400             |
| Обобщенная супергравитация из поливекторных деформаций                                                                                    | Ученые записки физического факультета Московского университета      | 2022 |                                  |
| Phase-field model of grain boundary diffusion in nanocrystalline solids: Anisotropic fluctuations, anomalous diffusion, and precipitation | Journal of Applied Physics                                          | 2022 | 10.1063/5.0101489                |
| Single-photon nonlinearity at room temperature                                                                                            | Optics InfoBase Conference Papers                                   | 2022 |                                  |
| Заметки о влиянии КХД и электрослабых поправок на соотношение между полюсными и бегущими массами топ-кварка                               | Письма в Журнал экспериментальной и теоретической физики            | 2022 |                                  |
| Operational regimes of lasers based on gain media with a large Raman scattering cross-section                                             | Scientific Reports                                                  | 2022 | 10.1038/s41598-022-11588-9       |
| Динамическая модель образования неравновесного химического состава в оболочках одиночных нейтронных звезд                                 | Астрономический журнал                                              | 2022 |                                  |
| Degenerate singularities in backward rescattering processes induced by strong infrared fields                                             | Optics InfoBase Conference Papers                                   | 2022 | 10.1364/CLEOPR.2022.CMP2B_02     |
| Neutrino spin operator and dispersion in moving matter                                                                                    | European Physical Journal C                                         | 2022 | 10.1140/epjc/s10052-022-10244-w  |
| Generalizing eleven-dimensional supergravity                                                                                              | Physical Review D                                                   | 2022 | 10.1103/PhysRevD.105.L081904     |
| СПЕКТРОСКОПИЧЕСКИЕ МЕТОДЫ ИССЛЕДОВАНИЯ ПРОДУКТОВ ЭРОЗИИ ПЕРВОЙ СТЕНКИ ТОКАМАКА (обзор)                                                    | Вопросы атомной науки и техники. Серия: Термоядерный синтез         | 2022 |                                  |
| Generalization of 2D gravity with the simplest noninvariant states                                                                        | Physical Review D                                                   | 2022 | 10.1103/PhysRevD.105.125003      |

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| БЕЗЫЗЛУЧАТЕЛЬНЫЙ ПЕРЕХОД $3E \rightarrow 1A_1$ И $1-E \rightarrow 3A_2$ В NV-ЦЕНТРЕ В АЛМАЗЕ                                                                          | Журнал экспериментальной и теоретической физики                                      | 2022 |                                    |
| Self-consistent equation for torsion arising as a consequence of the Dirac sea quantum fluctuations in external classical electromagnetic and gravitational fields    | Classical and Quantum Gravity                                                        | 2022 | 10.1088/1361-6382/ac7e14           |
| Qualitative Consideration of the Scharnhorst Effect                                                                                                                   | JETP Letters                                                                         | 2022 | 10.1134/S0021364022100186          |
| The invariant action for solitonic 5-branes                                                                                                                           | European Physical Journal C                                                          | 2022 | 10.1140/epjc/s10052-022-10946-1    |
| Self-Consistent Study of the Ground State and $\beta$ -Decay Properties of Oxygen and Fluorine Isotopes                                                               | Physics of Atomic Nuclei                                                             | 2022 | 10.1134/S1063778822040068          |
| Degenerate singularities in backward rescattering processes induced by strong infrared fields                                                                         | 2022 Conference on Lasers and Electro-Optics Pacific Rim, CLEO-PR 2022 - Proceedings | 2022 | 10.1109/CLEO-PR62338.2022.10432237 |
| One-Dimensional World as a Tool to Study Chiral Effects                                                                                                               | JETP Letters                                                                         | 2022 | 10.1134/S0021364022602366          |
| Notes on Interplay between the QCD and EW Perturbative Corrections to the Pole-Running-to-Top-Quark Mass Ratio                                                        | JETP Letters                                                                         | 2022 | 10.1134/S0021364022600902          |
| Nonradiative Transitions $3E \rightarrow 1A_1$ and $1E \rightarrow 3A_2$ in the NV-Center in Diamond                                                                  | Journal of Experimental and Theoretical Physics                                      | 2022 | 10.1134/S1063776122030128          |
| Single-photon nonlinearity at room temperature                                                                                                                        | 2022 Conference on Lasers and Electro-Optics, CLEO 2022 - Proceedings                | 2022 |                                    |
| Selective-bond breaking of CF <sub>4</sub> in phase-locked $\omega$ -2 $\omega$ intense laser fields                                                                  | Optics InfoBase Conference Papers                                                    | 2022 |                                    |
| Thermalization with Non-Zero Initial Anomalous Quantum Averages                                                                                                       | Universe                                                                             | 2022 | 10.3390/universe8030162            |
| Even and Odd Schrödinger Cat States in the Probability Representation of Quantum Mechanics                                                                            | Journal of Russian Laser Research                                                    | 2022 | 10.1007/s10946-022-10030-9         |
| Superposition Principle for Qubit States in the Spin-Projection Mean Representation                                                                                   | Journal of Russian Laser Research                                                    | 2022 | 10.1007/s10946-022-10025-6         |
| Carbon nanotube cloth as a promising electrode material for flexible aqueous supercapacitors                                                                          | Journal of Applied Electrochemistry                                                  | 2022 | 10.1007/s10800-021-01652-z         |
| Особенности зависимости рамановских спектров кластерных структур трехмерно-полимеризованного фуллерита от давления                                                    | Физика твердого тела                                                                 | 2022 |                                    |
| Magnetically active nanocomposite aerogels: preparation, characterization and application for water treatment                                                         | Journal of Porous Materials                                                          | 2022 | 10.1007/s10934-021-01175-0         |
| The effect of C <sub>60</sub> fullerene polymerization processes on the mechanical properties of clusters forming ultrahard structures of 3D C <sub>60</sub> polymers | Diamond and Related Materials                                                        | 2022 | 10.1016/j.diamond.2022.108911      |
| PREDICTING PERFORMANCE OF HETEROGENEOUS AI SYSTEMS WITH DISCRETE-EVENT SIMULATIONS                                                                                    | Proceedings - European Council for Modelling and Simulation, ECMS                    | 2022 |                                    |

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| On the Efficiency of Carrier Sense Multiple Access in NB-Fi Networks                                                                                                                                           | Journal of Communications Technology and Electronics                                                                                               | 2022 | 10.1134/S1064226922130010              |
| Investigation of Ice Rheology Based on Computer Simulation of Low-Speed Impact                                                                                                                                 | Communications in Computer and Information Science                                                                                                 | 2022 | 10.1007/978-3-031-24145-1_15           |
| Discrete simulation of the road restoration process; [Дискретное моделирование процесса восстановительного ремонта участка дороги]                                                                             | Computer Research and Modeling                                                                                                                     | 2022 | 10.20537/2076-7633-2022-14-6-1255-1268 |
| Evaluation of cytotoxicity and pro-apoptotic effects of new CYP17A1 inhibitors                                                                                                                                 | Cardiometry                                                                                                                                        | 2022 |                                        |
| Door Opening Strategy for Mobile Manipulator with Constrained Configuration                                                                                                                                    | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)               | 2022 | 10.1007/978-3-031-23609-9_12           |
| Investigating the dynamics of women admission to Information Technology degrees in Russian Universities                                                                                                        | 2022 IEEE IFEES World Engineering Education Forum - Global Engineering Deans Council, WEEF-GEDC 2022 - Conference Proceedings                      | 2022 | 10.1109/WEEF-GEDC54384.2022.9996268    |
| Recognition of Human Movements From Video Data                                                                                                                                                                 | Journal of Computer and Systems Sciences International                                                                                             | 2022 | 10.1134/S1064230722020095              |
| Sydr-Fuzz: Continuous Hybrid Fuzzing and Dynamic Analysis for Security Development Lifecycle                                                                                                                   | Proceedings - Ivannikov ISPRAS Open Conference                                                                                                     | 2022 | 10.1109/ISPRAS57371.2022.10076861      |
| Lower bounds for conditional gradient type methods for minimizing smooth strongly convex functions; [Нижние оценки для методов типа условного градиента для задач минимизации гладких сильно выпуклых функций] | Computer Research and Modeling                                                                                                                     | 2022 | 10.20537/2076-7633-2022-14-2-213-223   |
| DEEP CONVOLUTIONAL NEURAL NETWORKS IN SEISMIC EXPLORATION PROBLEMS                                                                                                                                             | INTERFACIAL PHENOM H                                                                                                                               | 2022 |                                        |
| The thermostability of fungal luciferases                                                                                                                                                                      | FEBS OPEN BIO                                                                                                                                      | 2022 |                                        |
| Hobotnica: Exploring molecular signature quality                                                                                                                                                               | F1000Research                                                                                                                                      | 2022 | 10.12688/f1000research.74846.2         |
| Experimentally Deduced Criteria for Detection of Clinically Relevant Fusion 3' Oncogenes from FFPE Bulk RNA Sequencing Data                                                                                    | Biomedicines                                                                                                                                       | 2022 | 10.3390/biomedicines10081866           |
| Peroxidase-like activity of silver nanowires and its application for colorimetric detection of the antibiotic chloramphenicol                                                                                  | Talanta Open                                                                                                                                       | 2022 | 10.1016/j.talo.2022.100164             |
| Разработка модели человеческой желудочковой ткани с учетом морфологии                                                                                                                                          | Ученые записки физического факультета Московского университета                                                                                     | 2022 |                                        |
| Determining the Area of Ancestral Origin for Individuals From North Eurasia Based on 5,229 SNP Markers                                                                                                         | Frontiers in Genetics                                                                                                                              | 2022 | 10.3389/fgene.2022.902309              |
| Enhancing Human Pose Estimation with Privileged Learning                                                                                                                                                       | Conference of Open Innovations Association, FRUCT                                                                                                  | 2022 |                                        |
| Stability of Critical Trajectories in One Problem of Vortex Dynamics                                                                                                                                           | Proceedings of 2022 16th International Conference on Stability and Oscillations of Nonlinear Control Systems (Pyatnitskiy's Conference), STAB 2022 | 2022 | 10.1109/STAB54858.2022.9807598         |

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| Об эффективности методов доступа к каналу с прослушиванием несущей в сетях NB-Fi                                         | Информационные процессы                                                                                                              | 2022 |                                   |
| Intelligent System for Identifying Emotions on Audio Recordings Using Chalk Spectrograms                                 | Journal of Computer and Systems Sciences International                                                                               | 2022 | 10.1134/S1064230722030042         |
| Nonparametric Method and Its Application for the Analysis of Changes in Consumer Behavior                                | Lobachevskii Journal of Mathematics                                                                                                  | 2022 | 10.1134/S1995080222070174         |
| LSDNet: Trainable Modification of LSD Algorithm for Real-Time Line Segment Detection                                     | IEEE Access                                                                                                                          | 2022 | 10.1109/ACCESS.2022.3169177       |
| РАСПОЗНАВАНИЕ ДВИЖЕНИЙ ЧЕЛОВЕКА ПО ВИДЕОДАНЫМ                                                                            | Известия Российской академии наук. Теория и системы управления                                                                       | 2022 |                                   |
| Machine learning models for effective prediction of firefighting systems and reducing environmental damage               | IOP Conference Series: Earth and Environmental Science                                                                               | 2022 | 10.1088/1755-1315/981/3/032060    |
| Thermodynamic and Mechanical Problems of Ice Formations: Numerical Simulation Results                                    | Lobachevskii Journal of Mathematics                                                                                                  | 2022 | 10.1134/S1995080222070113         |
| Spatial distributions of X-ray radiation during ferrite surface breakdown                                                | Journal of Physics: Conference Series                                                                                                | 2022 | 10.1088/1742-6596/2270/1/012039   |
| Application of Quasi-monotonic Schemes in Seismic Arctic Problems                                                        | Smart Innovation, Systems and Technologies                                                                                           | 2022 | 10.1007/978-981-16-8926-0_20      |
| Aberrator Shape Identification from 3D Ultrasound Data Using Convolutional Neural Networks and Direct Numerical Modeling | Communications in Computer and Information Science                                                                                   | 2022 | 10.1007/978-3-031-24145-1_2       |
| Hierarchical intrinsically motivated agent planning behavior with dreaming in grid environments                          | Brain Informatics                                                                                                                    | 2022 | 10.1186/s40708-022-00156-6        |
| Студенческая школа AMADEOS по проектированию и оптимизации межпланетных космических миссий                               | Препринты ИПМ им. М.В. Келдыша                                                                                                       | 2022 |                                   |
| Compact Grid-Characteristic Scheme for the Acoustic System with the Piece-Wise Constant Coefficients                     | International Journal of Applied Mechanics                                                                                           | 2022 | 10.1142/S1758825122500028         |
| Goal and Force Switching Policy for DMP-Based Manipulation                                                               | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-031-23609-9_10      |
| Frame-by-Frame Determination of Emotions in a Video Recording Using Multilayer Neural Networks                           | Journal of Computer and Systems Sciences International                                                                               | 2022 | 10.1134/S1064230722020022         |
| Research and Application of Deep Neural Network Architectures for Classification on Multidimensional Time Series         | Journal of Computer and Systems Sciences International                                                                               | 2022 | 10.1134/S1064230722040074         |
| О некомпактной бифуркации в одной обобщенной модели вихревой динамики                                                    | Теоретическая и математическая физика                                                                                                | 2022 |                                   |
| Graph Neural Network for Crawling Target Nodes in Social Networks                                                        | Proceedings - Ivannikov ISPRAS Open Conference                                                                                       | 2022 | 10.1109/ISPRAS57371.2022.10076873 |

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| Study of the Binding Free Energy of Peptide Substrates in the Active Site of Oligopeptidase B from <i>Serratia proteamaculans</i> by the MM-GBSA Method                                                  | Crystallography Reports                            | 2022 | 10.1134/S1063774522030154       |
| Clarification of the Position of <i>Linum stelleroides</i> Planch. within the Phylogeny of the Genus <i>Linum</i> L.                                                                                     | Plants                                             | 2022 | 10.3390/plants11050652          |
| Better Agreement of Human Transcriptomic and Proteomic Cancer Expression Data at the Molecular Pathway Activation Level                                                                                  | International Journal of Molecular Sciences        | 2022 | 10.3390/ijms23052611            |
| Nucleoside Analogs and Perylene Derivatives Modulate Phase Separation of SARS-CoV-2 N Protein and Genomic RNA In Vitro                                                                                   | International Journal of Molecular Sciences        | 2022 | 10.3390/ijms232315281           |
| OncoboxPD: human 51 672 molecular pathways database with tools for activity calculating and visualization                                                                                                | Computational and Structural Biotechnology Journal | 2022 | 10.1016/j.csbj.2022.05.006      |
| ХИМИЧЕСКАЯ ПРОТЕОМИКА НА ОСНОВЕ МАСС-СПЕКТРОМЕТРИИ В ЗАДАЧАХ ПОИСКА ЛЕКАРСТВЕННЫХ МИШЕНЕЙ                                                                                                                | Биохимия                                           | 2022 |                                 |
| Enhancer RNA AL928768.3 from the IGH Locus Regulates MYC Expression and Controls the Proliferation and Chemoresistance of Burkitt Lymphoma Cells with IGH/MYC Translocation                              | International Journal of Molecular Sciences        | 2022 | 10.3390/ijms23094624            |
| Novel cost-efficient protein-based membrane system for cells cocultivation and modeling the intercellular communication                                                                                  | Biotechnology and Bioengineering                   | 2022 | 10.1002/bit.28031               |
| Extracellular Vesicles Derived from Metastatic Melanoma Cells Transfer $\alpha 7$ -nAChR mRNA, Thus Increasing the Surface Expression of the Receptor and Stimulating the Growth of Normal Keratinocytes | Acta Naturae (англоязычная версия)                 | 2022 |                                 |
| Positional weight matrices have sufficient prediction power for analysis of noncoding variants                                                                                                           | F1000Research                                      | 2022 | 10.12688/f1000research.75471.3  |
| Photothermal Therapy with HER2-Targeted Silver Nanoparticles Leading to Cancer Remission                                                                                                                 | Pharmaceutics                                      | 2022 | 10.3390/pharmaceutics14051013   |
| Nanometers-Thick Ferromagnetic Surface Produced by Laser Cutting of Diamond                                                                                                                              | MATERIALS                                          | 2022 |                                 |
| Next-Generation Grade and Survival Expression Biomarkers of Human Gliomas Based on Algorithmically Reconstructed Molecular Pathways                                                                      | International Journal of Molecular Sciences        | 2022 | 10.3390/ijms23137330            |
| Cathodic deposition of manganese oxide for fabrication of hybrid recharging materials based on flexible CNT cloth                                                                                        | Electrochimica Acta                                | 2022 | 10.1016/j.electacta.2022.140131 |
| Ultra-bright and narrow-band emission from Ag atomic sized nanoclusters in a self-assembled plasmonic resonator                                                                                          | Nanoscale                                          | 2022 | 10.1039/d2nr01650h              |

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| Peculiarities of the Acoustic Wave Propagation in Diamond-Based Multilayer Piezoelectric Structures as “Me1/(Al,Sc)N/Me2/(100) Diamond/Me3” and “Me1/AlN/Me2/(100) Diamond/Me3” under Metal Thin-Film Deposition                                     | Electronics (Switzerland)                                                                                   | 2022 | 10.3390/electronics11020176    |
| Investigation of oxide electrocatalysts for glucose monitoring systems                                                                                                                                                                               | Journal of Advanced Materials and Technologies                                                              | 2022 |                                |
| Structural Peculiarities of As-Grown Single Crystals of Boron-Doped Diamond                                                                                                                                                                          | Nanobiotechnology Reports                                                                                   | 2022 | 10.1134/S2635167622040152      |
| ОСОБЕННОСТИ СТРУКТУРЫ ВЫРАЩЕННЫХ МОНОКРИСТАЛЛОВ АЛМАЗА, ЛЕГИРОВАННЫХ БОРОМ                                                                                                                                                                           | Российские нанотехнологии                                                                                   | 2022 |                                |
| Erratum to “Impulse laser cutting of diamond accompanied by phase transitions to fullerene-type anions” [Diamond Relat. Mater. 113 (2021) 1–6/108281] (Diamond & Related Materials (2021) 113, (S0925963521000443), (10.1016/j.diamond.2021.108281)) | Diamond and Related Materials                                                                               | 2022 | 10.1016/j.diamond.2021.108786  |
| Isolating <i>Linum usitatissimum</i> L. Nuclear DNA Enabled Assembling High-Quality Genome                                                                                                                                                           | International Journal of Molecular Sciences                                                                 | 2022 | 10.3390/ijms232113244          |
| <i>Pectobacterium</i> versatile Bacteriophage Possum: A Complex Polysaccharide-Deacetylating Tail Fiber as a Tool for Host Recognition in <i>Pectobacteriaceae</i> Schitoviridae                                                                     | International Journal of Molecular Sciences                                                                 | 2022 | 10.3390/ijms231911043          |
| Immunoglobulin-based hybrid targeted nanoagents for in vitro and in vivo multimodal imaging                                                                                                                                                          | 2022 International Conference Laser Optics, ICLO 2022 - Proceedingss                                        | 2022 | 10.1109/ICLO54117.2022.9839890 |
| ANGPTL3, ANGPTL4, APOA5, APOB, APOC2, APOC3, LDLR, PCSK9, LPL gene variants and coronary artery disease risk                                                                                                                                         | Russian Journal of Cardiology                                                                               | 2022 | 10.15829/1560-4071-2022-5232   |
| Extracellular Vesicles Derived from Metastatic Melanoma Cells Transfer $\alpha$ 7-nAChR mRNA, Thus Increasing the Surface Expression of the Receptor and Stimulating the Growth of Normal Keratinocytes                                              | Acta Naturae                                                                                                | 2022 | 10.32607/actanaturae.11734     |
| СРАВНИТЕЛЬНАЯ ХАРАКТЕРИСТИКА МЕДИЦИНСКИХ ОШИБОК В ПРОЦЕССЕ ПРИНЯТИЯ ВРАЧЕБНЫХ РЕШЕНИЙ ДО И ПОСЛЕ ВНЕДРЕНИЯ СИСТЕМЫ ПОДДЕРЖКИ ПРИНЯТИЯ ВРАЧЕБНЫХ РЕШЕНИЙ                                                                                              | Проблемы стандартизации в здравоохранении                                                                   | 2022 |                                |
| Исследование влияния состава питательных сред на продуктивность и биохимический состав цианобактерии <i>Arthrospira platensis</i> B-12619, а также способов консервации биомассы на сохранность биологически активных соединений                     | ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета) | 2022 |                                |
| Deeper insights into transcriptional features of cancer-associated fibroblasts: An integrated meta-analysis of single-cell and bulk RNA-sequencing data                                                                                              | Frontiers in Cell and Developmental Biology                                                                 | 2022 | 10.3389/fcell.2022.825014      |

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| ANANASTRA: annotation and enrichment analysis of allele-specific transcription factor binding at SNPs                                                         | Nucleic Acids Research                                              | 2022 | 10.1093/nar/gkac262                |
| Mass Spectrometry-Based Chemical Proteomics for Drug Target Discoveries                                                                                       | Biochemistry (Moscow)                                               | 2022 | 10.1134/S0006297922090103          |
| Deconvolution of the MBP-Bri2 Interaction by a Yeast Two Hybrid System and Synergy of the AlphaFold2 and High Ambiguity Driven Protein-Protein Docking        | Crystals                                                            | 2022 | 10.3390/cryst12020197              |
| Emetine in Combination with Chloroquine Induces Oncolytic Potential of HIV-1-Based Lentiviral Particles                                                       | Cells                                                               | 2022 | 10.3390/cells11182829              |
| Identification of Pathogenic Variant Burden and Selection of Optimal Diagnostic Method Is a Way to Improve Carrier Screening for Autosomal Recessive Diseases | Journal of Personalized Medicine                                    | 2022 | 10.3390/jpm12071132                |
| Status of INavin atrial cardiomyocytes after administration of cardioplegia; [Состояние INav предсердных кардиомиоцитов после кардиоплегии]                   | Clinical and Experimental Surgery                                   | 2022 | 10.33029/2308-1198-2022-10-2-26-32 |
| Human Blood Serum Inhibits Ductal Carcinoma Cells BT474 Growth and Modulates Effect of HER2 Inhibition                                                        | Biomedicines                                                        | 2022 | 10.3390/biomedicines10081914       |
| Современные подходы к моделированию тромбоза и гемостаза ин vitro                                                                                             | Системная биология и физиология                                     | 2022 |                                    |
| Изучение свободной энергии связывания пептидных субстратов в активном центре олигопептидазы B из <i>Serratia proteamaculans</i> методом MM-GBSA               | Кристаллография                                                     | 2022 |                                    |
| Targeting cancer cell tight junctions enhances plga-based photothermal sensitizers' performance in vitro and in vivo                                          | Pharmaceutics                                                       | 2022 | 10.3390/pharmaceutics14010043      |
| Curtobacterium spp. and Curtobacterium flaccumfaciens: Phylogeny, Genomics-Based Taxonomy, Pathogenicity, and Diagnostics                                     | Current Issues in Molecular Biology                                 | 2022 | 10.3390/cimb44020060               |
| Генетическое исследование при гиперлипидемии как путь к диагнозу и правильному лечению                                                                        | Фармакогенетика и фармакогеномика                                   | 2022 |                                    |
| Моделирование электрических свойств самоорганизованных островковых пленок полярных молекул C60F18 на химически неактивных поверхностях                        | Поверхность. Рентгеновские, синхротронные и нейтронные исследования | 2022 |                                    |
| Calculation of the Photorecombination Spectrum when Atoms Irradiated by a Strong Laser Field Based on the Markov Approximation                                | Optics and Spectroscopy                                             | 2022 |                                    |
| Hybrid cube-in-cup nanoantenna: Towards ordered photonics                                                                                                     | Nanotechnology                                                      | 2022 | 10.1088/1361-6528/ac2bc3           |
| Construction of Motion in an Intelligent System with an Automated Dispatcher                                                                                  | Journal of Computer and Systems Sciences International              | 2022 | 10.1134/S1064230722010051          |

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| Field-Effect Transistor Based on 2D Microcrystalline MoS <sub>2</sub> Film Grown by Sulfurization of Atomically Layer Deposited MoO <sub>3</sub>                                                                                           | Nanomaterials                                                                                                                        | 2022 | 10.3390/nano12193262                 |
| Sr-Doped Superionic Hydrogen Glass: Synthesis and Properties of SrH <sub>2</sub>                                                                                                                                                           | Advanced Materials                                                                                                                   | 2022 | 10.1002/adma.202200924               |
| Dimensionality of mobile electrons at x-ray-irradiated LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces                                                                                                                                   | Electronic Structure                                                                                                                 | 2022 | 10.1088/2516-1075/ac4e74             |
| Impact of band-bending on the k-resolved electronic structure of Si-doped GaN                                                                                                                                                              | Physical Review Research                                                                                                             | 2022 | 10.1103/PhysRevResearch.4.013183     |
| Band bending and k -resolved band offsets at the Hf O <sub>2</sub> /n+(p+)Si interfaces explored with synchrotron-radiation ARPES/XPS                                                                                                      | Physical Review Materials                                                                                                            | 2022 | 10.1103/PhysRevMaterials.6.084605    |
| Ferroelectricity modulates polaronic coupling at multiferroic interfaces                                                                                                                                                                   | Communications Physics                                                                                                               | 2022 | 10.1038/s42005-022-00983-3           |
| Polymerization of D,L-lactide in the presence of Boltorn™ polyester polyol                                                                                                                                                                 | Tonkie Khimicheskie Tekhnologii                                                                                                      | 2022 | 10.32362/2410-6593-2022-17-3-242-252 |
| Coherent perfect absorption by a single nanoparticle                                                                                                                                                                                       | Proceedings of SPIE - The International Society for Optical Engineering                                                              | 2022 | 10.1117/12.2621039                   |
| Mechanism of graphene oxide laser reduction at ambient conditions: Experimental and ReaxFF study                                                                                                                                           | Carbon                                                                                                                               | 2022 | 10.1016/j.carbon.2022.02.018         |
| Compact ceramic on-metal RFID tag                                                                                                                                                                                                          |                                                                                                                                      | 2022 |                                      |
| Temperature-dependent Raman spectroscopy and thermal conductivity of TiS <sub>2</sub> hexagonal nanodiscs                                                                                                                                  | Materials Science in Semiconductor Processing                                                                                        | 2022 | 10.1016/j.mssp.2022.107084           |
| Peculiarities and evolution of Raman spectra of multilayer Ge/Si(001) heterostructures containing arrays of low-temperature MBE-grown Ge quantum dots of different size and number density: Experimental studies and numerical simulations | Journal of Raman Spectroscopy                                                                                                        | 2022 | 10.1002/jrs.6314                     |
| Effective Method for the Determination of the Unit Cell Parameters of New MXenes                                                                                                                                                           | Materials                                                                                                                            | 2022 | 10.3390/ma15248798                   |
| Pathfinding in stochastic environments: learning <i>vs</i> planning                                                                                                                                                                        | PEERJ COMPUT SCI                                                                                                                     | 2022 |                                      |
| Multi-agent pathfinding with continuous time                                                                                                                                                                                               | Artificial Intelligence                                                                                                              | 2022 | 10.1016/j.artint.2022.103662         |
| Case-Based Task Generalization in Model-Based Reinforcement Learning                                                                                                                                                                       | Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) | 2022 | 10.1007/978-3-030-93758-4_35         |
| Pathfinding in stochastic environments: learning vs planning                                                                                                                                                                               | PeerJ Computer Science                                                                                                               | 2022 | 10.7717/PEERJ-CS.1056                |
| Ion irradiation of supported graphene: Defect formation and atmospheric doping                                                                                                                                                             | Materials Science and Engineering: B                                                                                                 | 2022 | 10.1016/j.mseb.2022.115918           |
| Simple low-cost 3D metal printing via plastic skeleton burning                                                                                                                                                                             | Scientific Reports                                                                                                                   | 2022 | 10.1038/s41598-022-11430-2           |
| Compact ceramic on-metal RFID tag                                                                                                                                                                                                          | 2022 IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications, APWC 2022                                   | 2022 | 10.1109/APWC49427.2022.9899863       |

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| Detecting Fakes in Mobile Face Recognition Systems Using a Stereo Camera                                                                                               | Journal of Computer and Systems Sciences International                         | 2022 | 10.1134/S106423072202006X   |
| Multiobjective Evaluation of Reinforcement Learning Based Recommender Systems                                                                                          | RecSys 2022 - Proceedings of the 16th ACM Conference on Recommender Systems    | 2022 | 10.1145/3523227.3551485     |
| Quadratic programming feature selection for multicorrelated signal decoding with partial least squares                                                                 | Expert Systems with Applications                                               | 2022 | 10.1016/j.eswa.2022.117967  |
| Foreword of the Program Committee of the Conference "Mathematical Pattern Recognition Methods"                                                                         | Automation and Remote Control                                                  | 2022 | 10.1134/S00051179220100010  |
| ФРЕЙМОВАЯ РЕГУЛЯРИЗАЦИЯ СВЕРТОЧНОЙ НЕЙРОННОЙ СЕТИ В ЗАДАЧАХ КЛАССИФИКАЦИИ ИЗОБРАЖЕНИЙ                                                                                  | Известия Российской академии наук. Теория и системы управления                 | 2022 |                             |
| MLDev: Data Science Experiment Automation and Reproducibility Software                                                                                                 | Communications in Computer and Information Science                             | 2022 | 10.1007/978-3-031-12285-9_1 |
| Frame Regularization of a Convolutional Neural Network in Image-Classification Problems                                                                                | Journal of Computer and Systems Sciences International                         | 2022 | 10.1134/S1064230722060089   |
| Towards verification of probabilistic multi-party consensus protocols: Constructing algorithms for verification of multi-party protocols with probabilistic properties | ACM International Conference Proceeding Series                                 | 2022 | 10.1145/3520084.3520100     |
| Re-Identification-Based Models for Multiple Object Tracking                                                                                                            | Artificial Intelligence in Industry 4.0 and 5G Technology                      | 2022 | 10.1002/9781119798798.ch15  |
| Kings and Tyrants in Ancient Greek Political Thought: Some Remarks on Carol Atack's Book, "The Discourse of Kingship in Classical Greece"                              | NOV ISTOR VESTN-NEW                                                            | 2022 |                             |
| Adam Adaptive Optimization Method for Neural Network Models Regression in Image Recognition Tasks                                                                      | Artificial Intelligence in Industry 4.0 and 5G Technology                      | 2022 | 10.1002/9781119798798.ch7   |
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| Broadband optical constants and nonlinear properties of SnS <sub>2</sub> and SnSe <sub>2</sub>                                                                                                                                                                                    | Nanomaterials                                        | 2022 | 10.3390/nano12010141             |
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| Passive temperature sensor tag based on quasi-BIC                                                                                                     | 2022 7th International Conference on Smart and Sustainable Technologies, SpliTech 2022                                        | 2022 | 10.23919/SpliTech55088.2022.9854305  |
| Single-Handedness Chiral Optical Cavities                                                                                                             | ACS Photonics                                                                                                                 | 2022 | 10.1021/acsp Photonics.2c00134       |
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| Variations in the Value of Integrated Information Theory Estimated from Hippocampal Neural Activity During Acquisition of Operant Behavior in Rats    | Biophysics (Russian Federation)                                                                                               | 2022 | 10.1134/S0006350922010110            |
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| FMFNet: Improve the 3D Object Detection and Tracking via Feature Map Flow                                                                             | Proceedings of the International Joint Conference on Neural Networks                                                          | 2022 | 10.1109/IJCNN55064.2022.9892748      |
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| ИНТЕЛЛЕКТУАЛИЗАЦИЯ ТЕХНОЛОГИЧЕСКИХ ПРОЦЕССОВ СТРОИТЕЛЬНО-ТЕХНИЧЕСКОЙ ЭКСПЕРТИЗЫ                                                                                                               | Вестник Белгородского государственного технологического университета им. В.Г. Шухова         | 2022 |                                   |
| Updating the Biometric Template by Assessing the Quality of the Original Data                                                                                                                 | Journal of Computer and Systems Sciences International                                       | 2022 | 10.1134/S106423072203008X         |
| Applying Neural Networks in Polygraph Testing                                                                                                                                                 | Journal of Computer and Systems Sciences International                                       | 2022 | 10.1134/S1064230722040050         |
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| Dielectric Barrier in the Subtractive Process of Formation of a Copper Metallization System                                                                                                   | Russian Microelectronics                                                                     | 2022 | 10.1134/S106373972270010X         |
| Simulation of time to failure of porous dielectric in advanced topology integrated circuit metallization system                                                                               | Modern Electronic Materials                                                                  | 2022 | 10.3897/j.moem.8.3.98145          |
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| Hydrothermal synthesis of Ag thin films and their SERS application                                                                                                                            | Nanomaterials                                                                                | 2022 | 10.3390/nano12010136              |
| Study of programmed co-precipitation of aluminum doped zinc oxide for high precision design of gas analytical units                                                                           | Applied Surface Science                                                                      | 2022 | 10.1016/j.apsusc.2022.154717      |
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| ФОРМИРОВАНИЕ ТОНКИХ ПЛЕНОК КАРБИДА БОРА, ОБОГАЩЕННОГО ИЗОТОПОМ <sup>10</sup> B, при низких температурах                                                                                       | Наноиндустрия                                                                                | 2022 |                                   |
| Benzene bridged hybrid organosilicate films with improved stiffness and small pore size                                                                                                       | Materials Chemistry and Physics                                                              | 2022 | 10.1016/j.matchemphys.2022.126571 |
| Спиновое магнитосопротивление гетероструктуры иридат стронция/манганит                                                                                                                        | Физика твердого тела                                                                         | 2022 |                                   |

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| Accounting for the Porosity of the Material in the Simulation of the Time-Dependent Dielectric Breakdown in the Metallization System of Integrated Circuits | Russian Microelectronics                                                | 2022 | 10.1134/S1063739722080042        |
| Тонкие пленки диэлектрических иридатов стронция --- материалы для сверхпроводящей криоэлектроники и спинтроники                                             | Физика твердого тела                                                    | 2022 |                                  |
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| Ballistic-to-hydrodynamic transition and collective modes for two-dimensional electron systems in magnetic field                                            | Physical Review B                                                       | 2022 | 10.1103/PhysRevB.106.115415      |
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| Nanoscale Doping and Its Impact on the Ferroelectric and Piezoelectric Properties of Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub>                     | Nanomaterials                                                           | 2022 | 10.3390/nano12091483             |
| Photodynamics of Bright Subnanosecond Emission from Pure Single-Photon Sources in Hexagonal Boron Nitride                                                   | Nanomaterials                                                           | 2022 | 10.3390/nano12244495             |
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| Magnetic Force Microscopy for Diagnosis of Complex Superconducting Circuits                                                                                 | Physical Review Applied                                                 | 2022 | 10.1103/PhysRevApplied.18.054035 |
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| Microextrusion printing of gas-sensitive planar anisotropic NiO nanostructures and their surface modification in an H <sub>2</sub> S atmosphere                                                                                                                        | Applied Surface Science                                                                                                                 | 2022 | 10.1016/j.apsusc.2021.151984    |
| A Model of Temperature Dependence of the Amplitude-Frequency Response of a Molecular Electronic Sensor Based on a Water-Alcohol Solvent                                                                                                                                | Proceedings - 2022 4th International Conference on Control Systems, Mathematical Modeling, Automation and Energy Efficiency, SUMMA 2022 | 2022 | 10.1109/SUMMA57301.2022.9973964 |
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| Исследование влияния на ВАХ матричных фоточувствительных элементов на основе $\text{InGaAs}$ -структур характеристик процессов пассивации поверхности                                                                                                                  | Прикладная физика                                                                                                                       | 2022 |                                 |
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| Modern Photodetector IR-Modules                                                                                                                                                                                                                                        | Journal of Communications Technology and Electronics                                                                                    | 2022 | 10.1134/S1064226922090030       |
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| Investigation of structural and optical properties of MAPbBr3 monocrystals under fast electron irradiation                                                                                   | Journal of Materials Chemistry C                                               | 2022 | 10.1039/d2tc00128d           |
| Processing of manganite-based contact layers for stacking of planar solid oxide fuel cells                                                                                                   | Materials Letters                                                              | 2022 | 10.1016/j.matlet.2021.131462 |

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| Aerosol deposition of anode functional layer for metal-supported solid oxide fuel cells                                                                                                      | Materials Letters                   | 2022 | 10.1016/j.matlet.2021.130924     |
| Tape Casting of Bilayered Anode Supports and Electrochemical Performance of SOFCs Based on Them                                                                                              | Russian Journal of Electrochemistry | 2022 | 10.1134/S1023193522020033        |
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| Structure and Transport Characteristics of Single-Crystal and Ceramic ZrO <sub>2</sub> –Y <sub>2</sub> O <sub>3</sub> Solid Electrolytes                                                     | Russian Journal of Electrochemistry | 2022 | 10.1134/S1023193522020069        |
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