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Название	Источник	Год	DOI
Insulator–metal transition in VO2 film on sapphire studied by broadband dielectric spectroscopy	Scientific Reports	2025	10.1038/s41598-025-87573-9
Study of Ds+ →f0 (980)ρ+ and ϕπ+ Decays through Ds+ →π+π+π-π0	Physical Review Letters	2025	10.1103/PhysRevLett.134.011904
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
Photodetectors of the Short-Wave IR Spectrum Range, Intended for Space Monitoring	Journal of Communications Technology and Electronics	2025	10.1134/S1064226924700244
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
Thioridazine Induces Increase in Expression of the Pyruvate Transporter MPC1 Associated with Immune Infiltration in Malignant Tumors	Doklady Biological Sciences	2025	10.1134/S001249662460060X
Dirac anyons in magnetophotoluminescence spectra of Wigner quantum dots: Molecular versus puddle states	Physical Review B	2025	10.1103/PhysRevB.111.045410
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
Mickelsson Algebras via Hasse Diagrams	Algebras and Representation Theory	2025	10.1007/s10468-024-10311-8
Mass spectrometry for neurosurgery: Intraoperative support in decision-making	Mass Spectrometry Reviews	2025	10.1002/mas.21883
One numerical obstruction for rational maps between hypersurfaces	Geometriae Dedicata	2025	10.1007/s10711-024-00963-7
Contact Stresses in the Problem of the Motion of a Spherical Shell Along a Corner Chute	AIP Conference Proceedings	2025	10.1063/5.0248243

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
Real-time distance estimation algorithm for objects in warehouse based on monocular camera data for an autonomous unmanned forklift	European Physical Journal: Special Topics	2025	10.1140/epjs/s11734-024-01452-4
Influence of Ti/Al substitution on the structural features, magneitc properties and THz characteristics of M-type hexaferrites	Ceramics International	2025	10.1016/j.ceramint.2024.11.258
Synthesis, neutron diffraction, Mössbauer spectroscopy, and magnetic properties investigation of Ga doped barium hexaferrite BaFe11GaO19	Ceramics International	2025	10.1016/j.ceramint.2025.01.402
Mass spectrometric studies of the variety of beta-amyloid proteoforms in Alzheimer's disease	Mass Spectrometry Reviews	2025	10.1002/mas.21775
Search for a massless dark photon in c →uγ′ decays	Physical Review D	2025	10.1103/PhysRevD.111.L011103
Search for ηc (2S) →p p ¯ and branching fraction measurements of χcJ →p p ¯ via ψ (2S) radiative decays	Physical Review D	2025	10.1103/PhysRevD.111.012003
Observation of Λc+ → Λa0 (980)+ and Evidence for ς (1380)+ in Λc+ → Λπ+η	Physical Review Letters	2025	10.1103/PhysRevLett.134.021901
Measurement of the Born cross section for e+e- →ηhc at center-of-mass energies between 4.1 and 4.6 GeV	Physical Review D	2025	10.1103/PhysRevD.111.L011101
PANDA: Predicting angle from nanoscale density analysis	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2025	10.1016/j.colsurfa.2024.135994
Mechanism of overscreening breakdown by molecular-scale electrode surface morphology in asymmetric ionic liquids	Journal of Colloid and Interface Science	2025	10.1016/j.jcis.2024.08.040
Modern machine-learning applications in ambient ionization mass spectrometry	Mass Spectrometry Reviews	2025	10.1002/mas.21886
Ambient Ionization Mass Spectrometry for Fatty Acids Composition Investigation of Natural Lipids: A Multidisciplinary Workshop	Rapid Communications in Mass Spectrometry	2025	10.1002/rcm.9985
Performance of industrial-scale solid oxide electrolysis cells: An assessment of leakage effects	International Journal of Hydrogen Energy	2025	10.1016/j.ijhydene.2024.11.480
Two-phase regularized phase-field density gradient Navier–Stokes based flow model: Tuning for microfluidic and digital core applications	Journal of Computational Physics	2025	10.1016/j.jcp.2024.113554

Molecular simulation of quartz wetting in crude oil/brine system at reservoir conditions using a novel protocol for contact angle calculation	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2025	10.1016/j.colsurfa.2024.135978
Reservoir oil interface with brine studied with real-component molecular model	Journal of Molecular Liquids	2025	10.1016/j.molliq.2025.127019
Course control in a self-consistent model of cuttlefish movement	Communications in Nonlinear Science and Numerical Simulation	2025	10.1016/j.cnsns.2024.108417
First Joint Oscillation Analysis of Super-Kamiokande Atmospheric and T2K Accelerator Neutrino Data	Physical Review Letters	2025	10.1103/PhysRevLett.134.011801
Situation-Based Neuromorphic Memory in Spiking Neuron-Astrocyte Network	IEEE Transactions on Neural Networks and Learning Systems	2025	10.1109/TNNLS.2023.3335450
The investigation of the influence of the addition of cerium dioxide to the anode composition on the internal carbon dioxide conversion of methane on second-generation SOFCs	Fuel	2025	10.1016/j.fuel.2024.134104
On periodic modes of motion of a vibrating robot in a horizontal plane with anisotropic friction	Acta Astronautica	2025	10.1016/j.actaastro.2024.11.042
High Kinetic Inductance in Platinum-Coated Aluminum Nanobridge Interferometers	Advanced Engineering Materials	2025	10.1002/adem.202402385
THz optical response of Ba(Fe1−xNix)2As2 films analyzed within the three-band Eliashberg s±-wave model	Journal of Physics and Chemistry of Solids	2025	10.1016/j.jpcs.2024.112364
Ferritin-based hybrid macromolecules experience unusual shift of stoichiometry distribution	International Journal of Biological Macromolecules	2025	10.1016/j.ijbiomac.2024.139335
Prolonged self-assembly of H. pylori ferritin globules at physiological conditions	Biochemical and Biophysical Research Communications	2025	10.1016/j.bbrc.2024.151205
High-Throughput Evaluation of Natural Diversity of F-Type ATP Synthase Rotor Ring Stoichiometries	Proteins: Structure, Function and Bioinformatics	2025	10.1002/prot.26790
Ageing drop by drop: Disturbance of the membrane-less organelle biogenesis as an aging hallmark	Biochemical and Biophysical Research Communications	2025	10.1016/j.bbrc.2024.151088
Quantum modelling of magnetism in strongly correlated materials: Evaluating constrained DFT and the Hubbard model for Y114	Computational Materials Science	2025	10.1016/j.commatsci.2024.113465
The Dps Protein Protects Escherichia coli DNA in the Form of the Trimer	International Journal of Molecular Sciences	2025	10.3390/ijms26020619
Poly(D,L-lactide-co-glycolide) Nanoparticles Modified by Layer-by-Layer Adsorption of Polyethyleneimine and Dextran Sulfate for Cyanocobalamin Embedding	BioNanoScience	2025	10.1007/s12668-024-01792-4
Structural basis of signaling complex inhibition by IL-6 domain-swapped dimers	Structure	2025	10.1016/j.str.2024.10.028

Potent painkiller from spider venom antagonizes P2X3 receptors without dysgeusia	Molecular Therapy	2025	10.1016/j.ymthe.2024.12.036
Jordan property for groups of bimeromorphic self-maps of complex manifolds with large Kodaira dimension	Mathematische Zeitschrift	2025	10.1007/s00209-024-03643-0
Reconstruction of stress trajectory field in Nankai subduction zone based on drilling data	Journal of Rock Mechanics and Geotechnical Engineering	2025	10.1016/j.jrmge.2024.04.026
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Optimal Control for Stochastic Multi-agent Systems With the Use of Parallel Hybrid Genetic Algorithm	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2025	10.1007/978-3-031-81241-5_19
AnomLite: Efficient binary and multiclass video anomaly detection	Results in Engineering	2025	10.1016/j.rineng.2025.104162
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Stochastic Estimation of MIMO Detection Error Caused by Low-Bitwidth QR Decomposition	IEEE Open Journal of the Communications Society	2025	10.1109/OJCOMS.2024.3515860
Potassium channel selectivity is determined by square antiprismatic ion chelation	International Journal of Biological Macromolecules	2025	10.1016/j.ijbiomac.2025.140690
Evolution of parsec-scale jet directions in active galaxies	Monthly Notices of the Royal Astronomical Society	2025	10.1093/mnras/staf043
Optical and transport properties of Ba(Fe1−xNix)2As2 films	Solid State Sciences	2025	10.1016/j.solidstatesciences.2024.107787
Fluoxetine and Ketamine Enhance Extinction Memory and Brain Plasticity by Triggering the p75 Neurotrophin Receptor Proteolytic Pathway	Biological Psychiatry	2025	10.1016/j.biopsych.2024.06.021
Global, regional, and national burden of upper respiratory infections and otitis media, 1990–2021: a systematic analysis from the Global Burden of Disease Study 2021	The Lancet Infectious Diseases	2025	10.1016/S1473-3099(24)00430-4
Latent State Space Quantization for Learning and Exploring Goals	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2025	10.1007/978-3-031-75540-8_3
Common Sense Plan Verification with Large Language Models	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2025	10.1007/978-3-031-74186-9_19
Generative models for grid-based and image-based pathfinding	ARTIF INTELL-AMST	2025	
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Hierarchical flower-like CuO/carbon dots nanocomposite as advanced bifunctional electrocatalysts for clean hydrogen generation	Inorganic Chemistry Communications	2025	10.1016/j.inoche.2025.114129
Exploring the compression and adsorption characteristics of anthracite nanopores in N2/CO2: A new perspective from synchrotron radiation SAXS	Gas Science and Engineering	2025	10.1016/j.jgsce.2025.205540
Fabrication of excellent and novel flowery Ag-MoS2 electrocatalyst: As a high-efficiency for water oxidation	Materials Research Bulletin	2025	10.1016/j.materresbull.2024.113262
Reframing: Detector-Specific Prompt Tuning for Enhancing Open-Vocabulary Object Detection	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2025	10.1007/978-3-031-74186-9_11
Fundamental properties, characterization techniques, and applications for photo(electro) catalysis: From Nanosized manganese oxides to manganese coordination compounds	Coordination Chemistry Reviews	2025	10.1016/j.ccr.2024.216396
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Physical modeling of motion and evaporation of polydisperse water droplets in a high-enthalpy air flow	Physics of Fluids	2025	10.1063/5.0249689
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Visualization of Liouville Tori Bifurcations in the Integrable Case of Two Vortices in Circular Domain	AIP Conference Proceedings	2025	10.1063/5.0247562
Modeling of lithium ion transport at the LixMn2O4/LiF interface	Solid State Ionics	2025	10.1016/j.ssi.2024.116766

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Formation Dynamics and Possible Nature of Regenerated Fiber Bragg Gratings Inscribed by Femtosecond Laser Radiation	IEEE Sensors Journal	2025	10.1109/JSEN.2024.3494261
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Adiabatic transformations in dissipative and non-Hermitian phase transitions	Physical Review B	2025	10.1103/PhysRevB.111.L081105
The human lower leg muscle pump functions as a flow diverter pump, maintaining low ambulatory venous pressures during locomotion	Journal of Vascular Surgery: Venous and Lymphatic Disorders	2025	10.1016/j.jvsv.2024.101996
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Short-range order and memory properties of silicon oxide –based memristors	Applied Surface Science	2025	10.1016/j.apsusc.2025.162305
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Synthesis, phase-formation, IR and terahertz spectroscopy of bulk-InGaZnO4 obtained by metal-nitrate-glycol gel decomposition method	Ceramics International	2025	10.1016/j.ceramint.2025.01.458
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Insight into the influence of plasma-assisted heteroatom doping and defect formation in enhancing the areal capacitance of carbon nanowalls	Electrochimica Acta	2025	10.1016/j.electacta.2024.145522
Ultrafast Photonic PCR with All-Solution-Processed Ti3C2Tx-Based Perfect Absorbers	Laser and Photonics Reviews	2025	10.1002/lpor.202401600
Optical Properties of Biaxial van der Waals Crystals for Photonic Applications	Bulletin of the Russian Academy of Sciences: Physics	2025	10.1134/S1062873824709978
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Gut dysbiosis narrative in psoriasis: matched-pair approach identifies only subtle shifts correlated with elevated fecal calprotectin	Microbiology Spectrum	2025	10.1128/spectrum.01382-24
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Octopuses in the Boolean cube: Families with pairwise small intersections, part II	Discrete Mathematics	2025	10.1016/j.disc.2024.114280
Three kinds of Pt electrocatalysts for the non-enzymatic glucose sensing in a neutral medium	Journal of Applied Electrochemistry	2025	10.1007/s10800-024-02247-0
Determination of the mode composition of optical radiation from the reflection spectrum of multimode fiber Bragg grating	Applied Physics B: Lasers and Optics	2025	10.1007/s00340-024-08373-z
Active Brownian motion with inertia: The role of dimensionality	Physics of Fluids	2025	10.1063/5.0252359
TASFormer: Task-Aware Image Segmentation Transformer	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2024	10.1007/978-981-99-8073-4_24
Assessment of OTR measurement techniques in the bubble environment of an industrial fermenter	European Physical Journal: Special Topics	2024	10.1140/epjs/s11734-024-01378-x
On the Application of Saddle-Point Methods for Combined Equilibrium Transportation Models	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2024	10.1007/978-3-031-62792-7_29
Prediction of the Arctic Sea Ice Characteristics for Summer Seasons Using the INM RAS Earth System Model	Russian Meteorology and Hydrology	2024	10.3103/S106837392408003X
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Dissipation by transfer and its influence on barrier distributions	Physical Review C	2024	10.1103/PhysRevC.109.064625
Optimal Flow Factor Determination in Vanadium Redox Flow Battery Control	IEEE Access	2024	10.1109/ACCESS.2024.3361830
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DIVERSIFYING DEEP ENSEMBLES: A SALIENCY MAP APPROACH FOR ENHANCED OOD DETECTION, CALIBRATION, AND ACCURACY	Proceedings - International Conference on Image Processing, ICIP	2024	10.1109/ICIP51287.2024.10647334
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Adaptive Curriculum Learning: Optimizing Reinforcement Learning through Dynamic Task Sequencing	Optical Memory and Neural Networks (Information Optics)	2024	10.3103/S1060992X2470070X
A Survey on Sim-to-Real Transfer Methods for Robotic Manipulation	SISY 2024 - IEEE 22nd International Symposium on Intelligent Systems and Informatics, Proceedings	2024	10.1109/SISY62279.2024.10737545
Bipolar Morphological YOLO Network for Object Detection	Proceedings of SPIE - The International Society for Optical Engineering	2024	10.1117/12.3023255
Efficient Single- and Multi-DNN Inference Using TensorRT Framework	Proceedings of SPIE - The International Society for Optical Engineering	2024	10.1117/12.3023487
Anatomical Positional Embeddings	LECT NOTES COMPUT SC	2024	
Hebbian spatial encoder with adaptive sparse connectivity	Cognitive Systems Research	2024	10.1016/j.cogsys.2024.101277
Combined TOF and High-Resolution Video Solution for Medical Rehabilitation of a Remote Patient while Performing a Set of Exercises		2024	
Modifications of the Frank – Wolfe algorithm in the problem of finding the equilibrium distribution of traffic flows; [Модификации алгоритма Frank – Wolfe в задаче поиска равновесного распределения транспортных потоков]	Computer Research and Modeling	2024	10.20537/2076-7633-2024-16-1-53-68
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Численное исследование низкоскоростного столкновения стального шара с ледяной плитой	Радиоэлектроника. Наносистемы. Информационные технологии	2024	
PROPERTIES OF THE LAPLACIAN SPECTRA OF CERTAIN BASIC AND HIERARCHICAL GRAPHS	Cybernetics and Physics	2024	10.35470/2226-4116-2024-13-1-12-19
Tilings of Z with multisets of distances	Discrete Mathematics	2024	10.1016/j.disc.2024.114053
Machine learning in Baikal-GVD experiment	Proceedings of Science	2024	
ОБ ИНВАРИАНТЕ КРАШЕННЫХ КОС	Доклады Российской академии наук. Математика, информатика, процессы управления	2024	
The Automotive Market in the New Conditions: Current State and Outlook	Studies on Russian Economic Development	2024	10.1134/S1075700724020096
INFORMATION BOTTLENECK ANALYSIS OF DEEP NEURAL NETWORKS VIA LOSSY COMPRESSION	12th International Conference on Learning Representations, ICLR 2024	2024	
Potts game on graphs: static equilibria	Computational Management Science	2024	10.1007/s10287-023-00490-y
Strategic behaviour in the mean field Ising game	Chaos, Solitons and Fractals	2024	10.1016/j.chaos.2024.115416
Torus actions on free associative algebras, lifting and Białynicki-Birula type theorems	European Journal of Mathematics	2024	10.1007/s40879-024-00788-4
Likelihood Equilibria in the Ising Game	Bulletin of the Lebedev Physics Institute	2024	10.3103/S1068335624601171
On an Invariant of Pure Braids	Doklady Mathematics	2024	10.1134/S1064562424701977
Ising game on graphs	Chaos, Solitons and Fractals	2024	10.1016/j.chaos.2024.114540
YOLO-Barcode: towards universal real-time barcode detection on mobile devices	Computer Optics	2024	10.18287/2412-6179-CO-1424
Maps from knots in the cylinder to flat-virtual knots	Russian Mathematical Surveys	2024	10.4213/rm10090e
Отображения узлов в цилиндре в плоско-виртуальные узлы	Успехи математических наук	2024	
Классификация определений в математических LaTeX статьях	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Network structure of the economy and the propagation of monetary shocks: The case of Russia	Structural Change and Economic Dynamics	2024	10.1016/j.strueco.2024.08.006
On the Energy of Roots	Mathematical Notes	2024	10.1134/S0001434624050250
A Note on Borsuk’s Problem in Minkowski Spaces	Doklady Mathematics	2024	10.1134/S1064562424701849
Fragments of IOpen	Archive for Mathematical Logic	2024	10.1007/s00153-024-00929-2
Modularity of some distance graphs	European Journal of Combinatorics	2024	10.1016/j.ejc.2023.103833
Two-Dimensional Self-Trapping Structures in Three-Dimensional Space	Doklady Mathematics	2024	10.1134/S1064562424701837

Математические квесты "Интеграл по городу": опыт и перспективы	Вестник Набережночелнинского государственного педагогического университета	2024	
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
Image Edge Detection using Pseudo-Boolean Polynomials	Proceedings of SPIE - The International Society for Optical Engineering	2024	10.1117/12.3023452
Identification of crossover flux in VRFB cells during battery cycling	Journal of Power Sources	2024	10.1016/j.jpowsour.2024.234745
Efficient computation of all tolerances in the sparse maxmin path problem	Russian Mathematical Surveys	2024	10.4213/rm10199e
Автомобильный рынок в новых условиях: состояние и перспективы	Проблемы прогнозирования	2024	
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
The Crossing Tverberg Theorem	Discrete and Computational Geometry	2024	10.1007/s00454-023-00532-x
On the Chromatic Number of 2-Dimensional Spheres	Discrete and Computational Geometry	2024	10.1007/s00454-023-00483-3
Matrix centrality for annotated hypergraphs	Chaos, Solitons and Fractals	2024	10.1016/j.chaos.2024.115256
Math-Net.Ru All Russian mathematical portal Lower and upper bounds for the minimum number of edges in some subgraphs of the Johnson graph	Sbornik Mathematics	2024	10.4213/sm10021e
Об энергии корней	Математические заметки	2024	
ДВУМЕРНЫЕ САМОЗАКЛИНИВАЮЩИЕСЯ СТРУКТУРЫ В ТРЕХМЕРНОМ ПРОСТРАНСТВЕ	Доклады Российской академии наук. Математика, информатика, процессы управления	2024	
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	
Estimates of the Number of Edges in Subgraphs of Johnson Graphs	Mathematical Notes	2024	10.1134/S0001434624010218
Spread approximations for forbidden intersections problems	Advances in Mathematics	2024	10.1016/j.aim.2024.109653
Finite and fixed-time stabilization of discrete-time systems using passivity-based control	International Journal of Robust and Nonlinear Control	2024	10.1002/rnc.7396
Trivial colors in colorings of Kneser graphs	Discrete Mathematics	2024	10.1016/j.disc.2023.113869

CADCP: A Method for Chromatic Haze Compensation on Remotely Sensed Images	Proceedings of SPIE - The International Society for Optical Engineering	2024	10.1117/12.3023507
Анализ концептов для проектирования базы геоданных железнодорожных геоописаний	Наука и технологии железных дорог	2024	
Interactive Semantic Map Representation for Skill-Based Visual Object Navigation	IEEE Access	2024	10.1109/ACCESS.2024.3380450
History and prospects of flax genetic markers	Frontiers in Plant Science	2024	10.3389/fpls.2024.1495069
Complete Annotated Genome Assembly of Flax Pathogen Colletotrichum lini	Journal of Fungi	2024	10.3390/jof10090605
Myelin basic protein antagonizes the SARS-CoV-2 protein ORF3a-induced autophagy inhibition	Biochimie	2024	10.1016/j.biochi.2024.04.011
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
ИЗМЕНЕНИЯ МИКОБИОМА КИШЕЧНИКА ВО ВРЕМЯ COVID-19	Проблемы медицинской микологии	2024	
Targeted magnetic nanoparticles for cancer diagnosis and treatment	2024 International Conference Laser Optics, ICLO 2024 - Proceedings	2024	10.1109/ICLO59702.2024.10624253
Lapatinib-induced enhancement of mitochondrial respiration in HER2-positive SK-BR-3 cells: mechanism revealed by analysis of proteomic but not transcriptomic data	Frontiers in Molecular Biosciences	2024	10.3389/fmolb.2024.1470496
Methods for Functional Characterization of Genetic Polymorphisms of Non-Coding Regulatory Regions of the Human Genome	Biochemistry (Moscow)	2024	10.1134/S0006297924060026
Tracking induced pluripotent stem cell differentiation with a fluorescent genetically encoded epigenetic probe	Cellular and Molecular Life Sciences	2024	10.1007/s00018-024-05359-0
Discrete Anisotropy Model of Heterogeneous Cardiac Tissue Predicting the Occurrence of Symmetry Breaking of Reentrant Activity	JETP Letters	2024	10.1134/S0021364024600782
Nanopore Data-Driven Chromosome-Level Assembly of Flax Genome	Plants	2024	10.3390/plants13243465
СЫВОРОТКА КРОВИ ЧЕЛОВЕКА ПРЕПЯТСТВУЕТ ДЕЙСТВИЮ EGFR/HER2-ТАРГЕТНОГО ПРЕПАРАТА ЛАПАТИНИБА НА РОСТ И ЭКСПРЕССИЮ ГЕНОВ КЛЕТОК ПЛОСКОКЛЕТОЧНОЙ КАРЦИНОМЫ SK-BR-3	Биохимия	2024	
A Novel Mastadenovirus from Nyctalus noctula Which Represents a Distinct Evolutionary Branch of Viruses from Bats in Europe	Viruses	2024	10.3390/v16081207
Genomic surveillance of SARS-CoV-2 in Russia: insights from the VGARus platform	Zhurnal Mikrobiologii Epidemiologii i Immunobiologii	2024	10.36233/0372-9311-554

Оценка тропизма и биораспределения синтетических и природных аденоассоциированных вирусных векторов in vivo методом секвенирования нового поколения	Биопрепараты. Профилактика, диагностика, лечение	2024	
The use of omics technologies in creating LBP and postbiotics based on the Limosilactobacillus fermentum U-21	Frontiers in Microbiology	2024	10.3389/fmicb.2024.1416688
MONOCYTES AND MACROPHAGES TRANSMIT INFLAMMATORY SIGNALS TO EACH OTHER VIA EXTRACELLULAR VESICLES; [МОНОЦИТЫ И МАКРОФАГИ ПЕРЕДАЮТ ВОСПАЛИТЕЛЬНЫЙ СИГНАЛ ДРУГ ДРУГУ ПОСРЕДСТВОМ ВНЕКЛЕТОЧНЫХ ВЕЗИКУЛ]	Medical Immunology (Russia)	2024	10.15789/1563-0625-MAM-16794
Electrostatic Potentials during Adsorption and Photochemical Reactions of Pyranine on Bilayer Lipid Membranes	Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology	2024	10.1134/S1990747824700363
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 Kardiokhirurgiya	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
Targeted PLGA nanoparticles as versatile platfrom for the delivery of oncotherapeutic compounds	2024 International Conference Laser Optics, ICLO 2024 - Proceedings	2024	10.1109/ICLO59702.2024.10624455
Azobenzene-Based Voltage-Gated Sodium Channel Blockers with Light-Controlled Local Anesthetic and Antiarrhythmic Activity	Biophysics (Russian Federation)	2024	10.1134/S0006350924700568
Human Blood Serum Counteracts EGFR/HER2-Targeted Drug Lapatinib Impact on Squamous Carcinoma SK-BR-3 Cell Growth and Gene Expression	Biochemistry. Biokhimiia	2024	10.1134/S000629792403009X
ANALYSIS OF ENHANCER RNA LINC00910 EXPRESSION CORRELATING WITH THE IMMUNOREGULATOR STAT3 IN GLIOBLASTOMA CELLS; [АНАЛИЗ ЭКСПРЕССИИ ЭНХАНСЕРНОЙ РНК LINC00910, КОРРЕЛИРУЮЩЕЙ С ИММУНОРЕГУЛЯТОРОМ STAT3, В КЛЕТКАХ ГЛИОБЛАСТОМЫ]	Medical Immunology (Russia)	2024	10.15789/1563-0625-AOE-16923
Comparative Genomic Analysis of Colletotrichum lini Strains with Different Virulence on Flax	Journal of Fungi	2024	10.3390/jof10010032
Ultrafast Proteomics	Biochemistry (Moscow)	2024	10.1134/S0006297924080017
Prokaryotic Argonaute nuclease cooperates with co-encoded RNase to acquire guide RNAs and target invader DNA	Nucleic Acids Research	2024	10.1093/nar/gkae345
Recent advances and fundamentals of microalgae cultivation technology	Biotechnology Journal	2024	10.1002/biot.202300725

NGS amplification panel for HBV (Hepadnaviridae: Orthohepadnavirus) sequencing; [Амплификационная панель NGS для секвенирования ДНК вируса гепатита B (Hepadnaviridae: Orthohepadnavirus)]	Voprosy Virusologii	2024	10.36233/0507-4088-212
PROSPECTS OF GENE THERAPY WITH HEMATOPOIETIC STEM CELLS; [ПЕРСПЕКТИВЫ ГЕННОЙ ТЕРАПИИ ГЕМОПОЭТИЧЕСКИМИ СТВОЛОВЫМИ КЛЕТКАМИ]	Bulletin of Russian State Medical University	2024	10.24075/brsmu.2024.074
NEW WORKING MEMORY PARADIGM FOR NEUROIMAGING TESTING OF VISUAL AND VERBAL MODALITY UNDER DIFFERENT ATTENTIONAL INVOLVEMENT; [Новая парадигма рабочей памяти для нейровизуализационного исследования зрительной и вербальной модальностей с различным уровнем вовлечения внимания]	Psychology, Journal of the Higher School of Economics	2024	10.17323/1813-8918-2024-3-456-471
Albumin incorporation into recognising layer of HER2-specific magnetic nanoparticles as a tool for optimal targeting of the acidic tumor microenvironment	Heliyon	2024	10.1016/j.heliyon.2024.e34211
Gene Expression and Pathway Activation Biomarkers of Breast Cancer Sensitivity to Taxanes	Biochemistry (Moscow)	2024	10.1134/S0006297924100110
DEEP LEARNING IN MODELLING THE PROTEIN–LIGAND INTERACTION: NEW PATHWAYS IN DRUG DEVELOPMENT; [ГЛУБОКОЕ ОБУЧЕНИЕ В МОДЕЛИРОВАНИИ БЕЛОК-ЛИГАНДНОГО ВЗАИМОДЕЙСТВИЯ: НОВЫЕ ПУТИ В РАЗРАБОТКЕ ЛЕКАРСТВЕННЫХ ПРЕПАРАТОВ]	Bulletin of Russian State Medical University	2024	10.24075/brsmu.2024.002
Silver nanoparticles for therapy HER2-positive breast cancers	2024 International Conference Laser Optics, ICLO 2024 - Proceedings	2024	10.1109/ICLO59702.2024.10624405
Systemic metabolic depletion of gut microbiome undermines responsiveness to melanoma immunotherapy	Life Science Alliance	2024	10.26508/lsa.202302480
Identification and Analysis of KAS II, FAT, SAD, and FAD Gene Families in Hippophae rhamnoides	Plants	2024	10.3390/plants13243486
First order complexity of finite random structures	Proceedings - Symposium on Logic in Computer Science	2024	10.1145/3661814.3662127
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

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

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	

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; [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

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

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

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

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 BaFe12–xMnxO19	Journal of Structural Chemistry	2024	10.1134/S0022476624090063
Структура 2,3,5,6-тетраиод-1,4-бензолдикарбоновой кислоты и особенности термолиза 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
Phase formation of nanosized InGaZnO4 obtained by the sol-gel method with different chelating agents	Nanosystems: Physics, Chemistry, Mathematics	2024	10.17586/2220-8054-2024-15-4-520-529
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 Al4Cu2Mn0,5Ca0,2Zr (масс. %)	Металлург	2024	
Impact of the Zn/Ni concentration on crystal structure and magnetic properties of the Co0.3Zn0.7-xNixFe2O4 (0 ≤ x ≤ 0.7) spinel ferrites	Journal of Magnetism and Magnetic Materials	2024	10.1016/j.jmmm.2024.172344

Influence of the Substitution of Iron by Aluminum and Titanium on the Structure and Properties of Barium Hexaferrite	Journal of Structural Chemistry	2024	10.1134/S002247662406009X
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
Optical properties of self assembled aligned single walled carbon nanotubes	2024 International Conference Laser Optics, ICLO 2024 - Proceedings	2024	10.1109/ICLO59702.2024.10624183
Erratum to: Rational Design of Drugs Targeting G-Protein-Coupled Receptors: Ligand Search and Screening (Biochemistry (Moscow), (2024), 89, 5, (958-972), 10.1134/S0006297924050158)	Biochemistry (Moscow)	2024	10.1134/S0006297924060154
Synthesis, thermal X-ray, neutron diffraction, Mössbauer spectroscopy and magnetic properties investigation of Al doped barium hexaferrite BaFe11AlO19	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	

COMPARISON OF LIPID ALTERATIONS IN ASTROCYTOMAS WITH INCREASING GRADE; [СРАВНЕНИЕ ЛИПИДНЫХ ИЗМЕНЕНИЙ В АСТРОЦИТОМАХ ПО МЕРЕ РОСТА ИХ ЗЛОКАЧЕСТВЕННОСТИ]	Bulletin of Russian State Medical University	2024	10.24075/brsmu.2024.008
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 SrFe11.3Ti0.4Al0.3O19	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_{12-x}In_xO₁₉ (x = 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

Biotechnological Production of the Recombinant Two-Component Lantibiotic Lichenicidin in a Bacterial Expression System	Russian Journal of Bioorganic Chemistry	2024	10.1134/S1068162024040459
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 β-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 BaFe12–xCrxO19 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
Rational Design of Drugs Targeting G-Protein-Coupled Receptors: A Structural Biology Perspective	Biochemistry (Moscow)	2024	10.1134/S0006297924040138

Femtosecond Cr2+: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 Cr3+ substitution in BaFe12-xCrxO19 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_{12-x}Mn_xO₁₉	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

Development of solid-state composite cathode material for solid-state lithium-ion batteries based on lithium ferrophosphate LiFePO4; [Разработка твердотельного композитного катодного материала для твердотельных литий-ионных аккумуляторов на основе феррофосфата лития LiFePO4]	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 щелевой 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 Oligophenyleuropiumsiloxane	Chinese Journal of Polymer Science (English Edition)	2024	10.1007/s10118-024-3190-9
Регенерация волоконных брэгговских решеток, записанных поточечным методом с помощью излучения фемтосекундного лазера	Журнал радиоэлектроники	2024	
Giant Electromechanical Effect in Piezoelectric Nanomembranes Based on Hf0.5Zr0.5O2	ACS Applied Materials and Interfaces	2024	10.1021/acsami.3c11141

Physical factors causing zero drift and noise in a solid-state laser gyroscope based on YAG: Cr4+ at mode locking	2024 International Conference Laser Optics, ICLO 2024 - Proceedings	2024	10.1109/ICLO59702.2024.10624143
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 тетракис(гексафторацетилацетоната) диспрозия(III) с 1,1′-диметил-4,4′-бипиридинием - 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

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-н-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 Algorhitm	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 Dinamics 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

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 Cu2+ 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 Lu3Fe5O12	JETP Letters	2024	10.1134/S0021364024600150
Unexpected formation of FeIIFeIIIFeII- and FeIIFeIIFeII-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-triphenylimidazothiazoledione 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 α-Fe2O3	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 β-diketones, acetic and butyric acids; [Электролюминесценция новых координационных соединений ионов европия с β-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 antiblastoma 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

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 CsBX3 (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 ϕ0 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

Giant coercive-field (Hc @ 2 K > 17 T) by freezing of magnetic domains in BaFe2(PO4)2	Solid State Sciences	2024	10.1016/j.solidstatesciences.2024.107577
Magnetic Eigenmodes in Chains of Coupled ϕ0-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 SrTiO3 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 ϕ0 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

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 biologiia	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	

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 μm	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 μm	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

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

Correction: Chaotic aging: intrinsically disordered proteins in aging-related processes (Cellular and Molecular Life Sciences, (2023), 80, 9, (269), 10.1007/s00018-023-04897-3)	Cellular and Molecular Life Sciences	2024	10.1007/s00018-023-04989-0
Higher degree inexact model for optimization problems	Chaos, Solitons and Fractals	2024	10.1016/j.chaos.2024.115292
Near-optimal tensor methods for minimizing the gradient norm of convex functions and accelerated primal–dual tensor methods	Optimization Methods and Software	2024	10.1080/10556788.2023.2296443
Generating extreme copositive matrices near matrices obtained from COP-irreducible graphs	Linear Algebra and Its Applications	2024	10.1016/j.laa.2023.09.026
Half-Dimensional Immersions into the Para-Complex Projective Space and Ruh–Vilms Type Theorems	Results in Mathematics	2024	10.1007/s00025-024-02271-8
Cloud interpretation of the entropy model for calculating the trip matrix; [Облачная интерпретация энтропийной модели расчета матрицы корреспонденций]	Computer Research and Modeling	2024	10.20537/2076-7633-2024-16-1-89-103
On Some Works of Boris Teodorovich Polyak on the Convergence of Gradient Methods and Their Development	Computational Mathematics and Mathematical Physics	2024	10.1134/S0965542524700076
Optimization in complex spaces with the mixed Newton method	Journal of Global Optimization	2024	10.1007/s10898-023-01355-z
Numerical Solution of an Inverse Problem for a General Hyperbolic Heat Equation	Communications in Computer and Information Science	2024	10.1007/978-3-031-48751-4_4
Gradient-free algorithm for saddle point problems under overparametrization	Chaos, Solitons and Fractals	2024	10.1016/j.chaos.2024.115048
RuGECToR: Rule-Based Neural Network Model for Russian Language Grammatical Error Correction	Programming and Computer Software	2024	10.1134/S0361768824700129
Traffic Improvement in Manhattan Road Networks with the Use of Parallel Hybrid Biobjective Genetic Algorithm	IEEE Access	2024	10.1109/ACCESS.2024.3361399
Another Approach to Build Lyapunov Functions for the First Order Methods in the Quadratic Case	Computational Mathematics and Mathematical Physics	2024	10.1134/S0965542524700131
Communication-efficient solution of distributed variational inequalities using biased compression, data similarity and local updates; [Решение распределенных вариационных неравенств с использованием смещенной компрессии, похожести данных и локальных обновлений]	Computer Research and Modeling	2024	10.20537/2076-7633-2024-16-7-1813-1827
Mirror Descent Methods with a Weighting Scheme for Outputs for Optimization Problems with Functional Constraints	Russian Journal of Nonlinear Dynamics	2024	10.20537/nd241207
Subgradient methods with B. T. Polyak-type step for quasiconvex minimization problems with inequality constraints and analogs of the sharp minimum; [Субградиентные методы с шагом типа Б. Т. Поляка для задач минимизации квазивыпуклых функций с ограничениями-неравенствами и аналогами острого минимума]	Computer Research and Modeling	2024	10.20537/2076-7633-2024-16-1-105-122

Regularization and acceleration of Gauss - Newton method; [Регуляризация и ускорение метода Гаусса - Ньютона]	Computer Research and Modeling	2024	10.20537/2076-7633-2024-16-7-1829-1840
Gradient-type Approaches to Inverse and Ill-Posed Problems of Mathematical Physics	Computational Mathematics and Mathematical Physics	2024	10.1134/S0965542524701136
Sarah Frank-Wolfe: Methods for Constrained Optimization with Best Rates and Practical Features	Proceedings of Machine Learning Research	2024	
Average-Case Optimization Analysis for Distributed Consensus Algorithms on Regular Graphs	Russian Journal of Nonlinear Dynamics	2024	10.20537/nd241217
High-Probability Convergence for Composite and Distributed Stochastic Minimization and Variational Inequalities with Heavy-Tailed Noise	Proceedings of Machine Learning Research	2024	
Primal-dual gradient methods for searching network equilibria in combined models with nested choice structure and capacity constraints	Computational Management Science	2024	10.1007/s10287-023-00494-8
Accelerated Stochastic Gradient Method with Applications to Consensus Problem in Markov-Varying Networks	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2024	10.1007/978-3-031-62792-7_5
Decentralized optimization with affine constraints over time-varying networks	Computational Management Science	2024	10.1007/s10287-023-00492-w
Preconditioning meets biased compression for efficient distributed optimization	Computational Management Science	2024	10.1007/s10287-023-00496-6
Breaking the Heavy-Tailed Noise Barrier in Stochastic Optimization Problems	PR MACH LEARN RES	2024	
Asymptotic Analysis of the Ruppert – Polyak Averaging for Stochastic Order Oracle	Russian Journal of Nonlinear Dynamics	2024	10.20537/nd241219
Inexact tensor methods and their application to stochastic convex optimization	Optimization Methods and Software	2024	10.1080/10556788.2023.2261604
The “Black-Box” Optimization Problem: Zero-Order Accelerated Stochastic Method via Kernel Approximation	Journal of Optimization Theory and Applications	2024	10.1007/s10957-024-02556-6
ADVANCING THE LOWER BOUNDS: AN ACCELERATED, STOCHASTIC, SECOND-ORDER METHOD WITH OPTIMAL ADAPTATION TO INEXACTNESS	12th International Conference on Learning Representations, ICLR 2024	2024	
Decentralized convex optimization on time-varying networks with application to Wasserstein barycenters	Computational Management Science	2024	10.1007/s10287-023-00493-9
High-Probability Complexity Bounds for Non-smooth Stochastic Convex Optimization with Heavy-Tailed Noise	Journal of Optimization Theory and Applications	2024	10.1007/s10957-024-02533-z
Highly Smooth Zeroth-Order Methods for Solving Optimization Problems under the PL Condition	Computational Mathematics and Mathematical Physics	2024	10.1134/S0965542524700118

Position Auctions for Sponsored Search in Marketplaces	Communications in Computer and Information Science	2024	10.1007/978-3-031-48751-4_10
Survival of the strongest in a sequential truel	EKON MAT METOD	2024	
Optimal Convergence Rate for Mirror Descent Methods with Special Time-Varying Step Sizes Rules	Communications in Computer and Information Science	2024	10.1007/978-3-031-73365-9_1
Mechanism of Intracellular Elemental Sulfur Oxidation in Beggiatoa leptomitoformis, Where Persulfide Dioxygenase Plays a Key Role	International Journal of Molecular Sciences	2024	10.3390/ijms252010962
Bright and stable monomeric green fluorescent protein derived from StayGold	Nature Methods	2024	10.1038/s41592-024-02203-y
The scorpion toxin BeKm-1 blocks hERG cardiac potassium channels using an indispensable arginine residue	FEBS Letters	2024	10.1002/1873-3468.14850
Structural study of the intrinsically disordered tardigrade damage suppressor protein (Dsup) and its complex with DNA	Scientific Reports	2024	10.1038/s41598-024-74335-2
Order wrapped in chaos: On the roles of intrinsically disordered proteins and RNAs in the arrangement of the mitochondrial enzymatic machines	International Journal of Biological Macromolecules	2024	10.1016/j.ijbiomac.2024.131455
ArdA Protein Specificity against Type I Restriction–Modification Systems	Molecular Biology	2024	10.1134/S0026893324700158
How the immune mousetrap works: Structural evidence for the immunomodulatory action of a peptide from influenza NS1 protein	Biophysical Chemistry	2024	10.1016/j.bpc.2024.107176
Myelin Basic Protein Attenuates Furin-Mediated Bri2 Cleavage and Postpones Its Membrane Trafficking	International Journal of Molecular Sciences	2024	10.3390/ijms25052608
Synthesis and antitumor activity of cyclopentane-fused anthraquinone derivatives	European Journal of Medicinal Chemistry	2024	10.1016/j.ejmech.2023.116103
The experimental and model studies on lipid membranes: The coarse-grained MD-simulations of deformed vesicles	AIP Conference Proceedings	2024	10.1063/5.0193051
Cultivation of Halophilic Archaea Halobacterium salinarum	Physics of Particles and Nuclei Letters	2024	10.1134/S1547477124701449
Ferritin-based fusion protein shows octameric deadlock state of self-assembly	Biochemical and Biophysical Research Communications	2024	10.1016/j.bbrc.2023.149276
Eliducating the Distinctions between Open-State Monomers and Dimers of Human Tissue Transglutaminase	Physics of Particles and Nuclei Letters	2024	10.1134/S1547477124701450
Calcium ions do not influence the Aβ(25–35) triggered morphological changes of lipid membranes	Biophysical Chemistry	2024	10.1016/j.bpc.2024.107292
Stress-granules, P-bodies, and cell aging: A bioinformatics study	Biochemical and Biophysical Research Communications	2024	10.1016/j.bbrc.2023.149404
Association of 2-oxoacid dehydrogenase complexes with respirasomes in mitochondria	FEBS Journal	2024	10.1111/febs.16965
The effect of membrane composition on the interaction between human CYP51 and its flavonoid inhibitor - luteolin 7,3′-disulfate	Biochimica et Biophysica Acta - Biomembranes	2024	10.1016/j.bbamem.2024.184286

Structure of Carboxypeptidase T from Thermoactinomyces Vulgaris in Complex with L-Phenyl Lactate	Crystallography Reports	2024	10.1134/S1063774524600315
Generative AI Models with Their Full Reveal*	Proceedings - 2024 4th International Conference on Technology Enhanced Learning in Higher Education, TELE 2024	2024	10.1109/TELE62556.2024.10605662
Delay-tolerant distributed Bregman proximal algorithms	Optimization Methods and Software	2024	10.1080/10556788.2023.2278089
Image Plagiarism Detection Pipeline for Vast Databases	Conference of Open Innovation Association, FRUCT	2024	10.23919/fruct61870.2024.10516388
On some mirror descent methods for strongly convex programming problems with Lipschitz functional constraints; [О некоторых методах зеркального спуска для задач сильно выпуклого программирования с липшицевыми функциональными ограничениями]	Computer Research and Modeling	2024	10.20537/2076-7633-2024-16-7-1727-1746
New aspects of black box conditional gradient: Variance reduction and one point feedback	Chaos, Solitons and Fractals	2024	10.1016/j.chaos.2024.115654
Subgradient methods for weakly convex problems with a sharp minimum in the case of inexact information about the function or subgradient; [Субградиентные методы для слабо выпуклых задач с острым минимумом в случае неточной информации о функции или субградиенте]	Computer Research and Modeling	2024	10.20537/2076-7633-2024-16-7-1765-1778
Random-reshuffled SARAH does not need full gradient computations	Optimization Letters	2024	10.1007/s11590-023-02081-x
Stochastic Gradient Methods with Preconditioned Updates	Journal of Optimization Theory and Applications	2024	10.1007/s10957-023-02365-3
Computing remoteness functions of Moore, Wythoff, and Euclid’s games	International Journal of Game Theory	2024	10.1007/s00182-024-00914-2
Regression-Based Active Learning for Accessible Acceleration of Ultra-Large Library Docking	Journal of Chemical Information and Modeling	2024	10.1021/acs.jcim.3c01661
Математическая теория ускоренного расширения Вселенной на основе принципа наименьшего действия и модели Фридмана и Милна-Маккри	Препринты ИПМ им. М.В. Келдыша	2024	
Quantization of Large Language Models with an Overdetermined Basis	Proceedings of Machine Learning Research	2024	
Deterministic n-person shortest path and terminal games on symmetric digraphs have Nash equilibria in pure stationary strategies	International Journal of Game Theory	2024	10.1007/s00182-023-00875-y
Перспективы формирования просоциального образа цифрового будущего в России (экспертная оценка)	Nomothetika: Философия. Социология. Право	2024	
О новом подходе к оценке творческого характера олимпиадных заданий	Педагогические измерения	2024	

Examining transfer of TERT to mitochondria under oxidative stress	Scientific Reports	2024	10.1038/s41598-024-75127-4
Nontrivial self-consistent backreaction of quantum fields in 2D dilaton gravity	Physical Review D	2024	10.1103/PhysRevD.109.065026
Spontaneous breaking of time translation symmetry in a system without periodic external driving	Optics Letters	2024	10.1364/OL.527514
Quantum engineering of the radiative properties of a nanoscale mesoscopic system	Nanoscale	2024	10.1039/d4nr01233j
Room-temperature spin pumping from canted antiferromagnet α-Fe2O3	Journal of Applied Physics	2024	10.1063/5.0219139
Kinetics of dense plasma in the field of short laser pulses: A generalized approach	Matter and Radiation at Extremes	2024	10.1063/5.0210407
Peculiarities of Excitation of a Harmonic Oscillator for Various Driving-Pulse Parameters	Optics and Spectroscopy	2024	10.1134/S0030400X24700322
Excitation of phonons by electromagnetic pulses in view of propagation effects in the medium	Applied Physics B: Lasers and Optics	2024	10.1007/s00340-024-08347-1
Scattering of ultrashort x-ray pulses in optically dense plasmas: Account for pulse duration and propagation effects	Physics of Plasmas	2024	10.1063/5.0238655
Фазовый контроль при возбуждении квантового осциллятора экспоненциальным импульсом	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Path Deformation Method with Constraints on Normal Curvature for Wheeled Robots in Precision Agriculture Based on Second-Order Cone Programming	Automation and Remote Control	2024	10.1134/S0005117924020103
"Middle way" in the description of ultrashort electromagnetic interactions: between Fermi's golden rule and the numerical solution of the Schrödinger equation	Journal of Physics: Conference Series	2024	10.1088/1742-6596/2701/1/012092
Метод деформации путей ограниченной кривизны для колесных роботов в точном земледелии на основе конического программирования второго порядка	Автоматика и телемеханика	2024	
Синтез волноводных фильтров Ka-диапазона с помощью метода согласования мод	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Pulsed excitation of a quantum oscillator: A model accounting for damping	Open Physics	2024	10.1515/phys-2023-0208
Excitation of quantum oscillator by electromagnetic wavelet pulses	Journal of Optics (United Kingdom)	2024	10.1088/2040-8986/acff09
Absorption of ultrashort laser pulses in medium with account for propagation effects	Journal of Optics (United Kingdom)	2024	10.1088/2040-8986/ad61fb

Cherednik-Mehta-Macdonald formula as a superintegrability property of a unitary model	PHYS REV D	2024	
Supersymmetric polynomials and algebro-combinatorial duality	SCIPOST PHYS	2024	
Macdonald polynomials for super-partitions	PHYS LETT B	2024	
Возбуждение вещества электромагнитными импульсами со случайной фазой	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Non-isochronous exceptional point shift in coupled spin-torque nano-oscillators	Journal of Magnetism and Magnetic Materials	2024	10.1016/j.jmmm.2024.171999
Application of Glass Capillaries with an Outer Diameter of Less Than One Micrometer in a Manipulator Made Based on an Atomic Force Microscope	Instruments and Experimental Techniques	2024	10.1134/S0020441224700416
Microwave spin-pumping from an antiferromagnet FeBO3	Journal of Physics D: Applied Physics	2024	10.1088/1361-6463/ad3f28
Planar-chiral arene ruthenium complexes: synthesis, separation of enantiomers, and application for catalytic C-H activation	Chemical Communications	2024	10.1039/d4cc00181h
On Stability of Inverse Problem Solution for Rock Mass Stress State Reconstruction Based on Natural Fractures Analysis	Springer Proceedings in Earth and Environmental Sciences	2024	10.1007/978-3-031-54589-4_11
A Clustering-Based Hybrid Particle Swarm Optimization Algorithm for Solving a Multisectoral Agent-Based Model	STUD INFORM CONTROL	2024	
Optimal Control Synthesis in a Ramsey-Type Model	Computational Mathematics and Mathematical Physics	2024	10.1134/S0965542524701112
An Improved Parallel Biobjective Hybrid Real-Coded Genetic Algorithm with Clustering-Based Selection	Cybernetics and Information Technologies	2024	10.2478/cait-2024-0014
Mathematical Modeling of the Interest Rates Formation on Consumer Loans in Russia	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2024	10.1007/978-3-031-62792-7_1
A Clustering-Based Hybrid Particle Swarm Optimization Algorithm for Solving a Multisectoral Agent-Based Model	Studies in Informatics and Control	2024	10.24846/V33I2Y202408
Inflation risks estimation in a restruturing economy in terms of a network production model with infrastructure constraints; [ОЦЕНКА ИНФЛЯЦИОННЫХ РИСКОВ в УСЛОВИЯХ РЕСТРУКТУРИЗАЦИИ экономики в СЕТЕВОЙ МОДЕЛИ С ИНФРАСТРУКТУРНЫМИ ОГРАНИЧЕНИЯМИ]	Siberian Electronic Mathematical Reports	2024	10.33048/semi.2024.21.A02
The First Achievement of a Given Level by a Random Process	IEEE Transactions on Information Theory	2024	10.1109/TIT.2024.3444043
Probability of the share price going beyond the established corridor	10th 2024 International Conference on Control, Decision and Information Technologies, CoDIT 2024	2024	10.1109/CoDIT62066.2024.10708334
Dislocations in twistronic heterostructures	2D MATER	2024	

Nonisochronicity of Ferromagnetic Thin Films with Perpendicular Magnetic Anisotropy Subjected to Bias Magnetic Field	2024 IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, 3M-NANO 2024	2024	10.1109/3M-NANO61605.2024.10769620
Shapiro Steps at the Sliding of Charge Density Waves: Oscillations, Frequency Mixing, and Features in High Electric Fields	JETP Letters	2024	10.1134/S002136402360369X
FMR Spectra of NiFe2O4 Magnetic Semiconductors	2024 IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale, 3M-NANO 2024	2024	10.1109/3M-NANO61605.2024.10769701
Strongly nonlinear antiferromagnetic dynamics in high magnetic fields	Results in Physics	2024	10.1016/j.rinp.2024.107377
Commutative families in DIM algebra, integrable many-body systems and q, t matrix models	J HIGH ENERGY PHYS	2024	
Deformation of superintegrability in the Miwa-deformed Gaussian matrix model	PHYS REV D	2024	
Two β-ensemble realization of β-deformed WLZZ models	EUR PHYS J C	2024	
Simple representations of BPS algebras: the case of Y((gl)over-cap₂)	EUR PHYS J C	2024	
Nonadiabatic polariton condensation in annular optical traps	Physical Review B	2024	10.1103/PhysRevB.109.205304
Excitons in crystals	Encyclopedia of Condensed Matter Physics	2024	10.1016/B978-0-323-90800-9.00163-3
Optical snake states in a photonic graphene	Optics Letters	2024	10.1364/OL.519717
Study of a near-threshold scalar resonance in the ωϕ system in pion-Be interaction at momentum of 29 GeV	EUR PHYS J A	2024	
Neuronal activity features of the subthalamic nucleus associated with optimal deep brain stimulation electrode insertion path in Parkinson's disease	European Journal of Neuroscience	2024	10.1111/ejn.16630
The method for assessing the specificity of developing CAR therapies	Biophysical Reports	2024	10.1016/j.bpr.2024.100172
Clinical asymmetry in Parkinson's disease is characterized by prevalence of subthalamic pause-burst neurons and alpha-beta oscillations	Clinical Neurophysiology	2024	10.1016/j.clinph.2024.06.003
Pallidal multifractal complexity is a new potential physiomarker of dystonia	Clinical Neurophysiology	2024	10.1016/j.clinph.2024.03.012
Оптимизация компонентного состава систем информационной безопасности на основе эволюционно-симулятивных моделей	Прикладная информатика	2024	
SUID Binaries in GNU/Linux: the Feature or the Bug?	Proceedings - 2024 IEEE Ural-Siberian Conference on Biomedical Engineering, Radioelectronics and Information Technology, USBEREIT 2024	2024	10.1109/USBEREIT61901.2024.10584001

Learn Together Stop Apart: An Inclusive Approach to Ensemble Pruning	Proceedings of the ACM SIGKDD International Conference on Knowledge Discovery and Data Mining	2024	10.1145/3637528.3672018
Uplift Modelling via Gradient Boosting	Proceedings of the ACM SIGKDD International Conference on Knowledge Discovery and Data Mining	2024	10.1145/3637528.3672019
Oligomerization of the IHF Protein in the Presence of Metal Cations	Crystallography Reports	2024	10.1134/S1063774524600133
Molecular Changes in Immunological Characteristics of Bone Marrow Multipotent Mesenchymal Stromal Cells in Lymphoid Neoplasia	Biochemistry (Moscow)	2024	10.1134/S0006297924050092
An Escherichia coli Strain for Plasmid DNA Production with a Low Endotoxin Level	Applied Biochemistry and Microbiology	2024	10.1134/S0003683824604517
Гигантский эффективный g-фактор в присутствии спиновых бифуркаций в поляритонных конденсатах	Письма в Журнал экспериментальной и теоретической физики	2024	
Giant Effective g-Factor Due to Spin Bifurcations in Polariton Condensates	JETP Letters	2024	10.1134/S0021364024601349
Opposite current states in concentric ring exciton-polariton condensates	Physical Review Applied	2024	10.1103/PhysRevApplied.22.054031
Generalized W~ algebras	European Physical Journal C	2024	10.1140/epjc/s10052-024-13382-5
Summing up perturbation series around superintegrable point	PHYS LETT B	2024	
W-representations for multi-character partition functions and their β-deformations	PHYS LETT B	2024	
Toward a theory of Yangians	PHYS REV D	2024	
W_{1+∞} and (W)over-tilde algebras, and Ward identities	PHYS LETT B	2024	
Wall-crossing effects on quiver BPS algebras	Journal of High Energy Physics	2024	10.1007/JHEP05(2024)118
Algorithms for representations of quiver Yangian algebras	Journal of High Energy Physics	2024	10.1007/JHEP08(2024)209
β-WLZZ Models from β-Ensemble Integrals Directly	JETP Letters	2024	10.1134/S0021364024601787
Two-dimensional trion in a magnetic field revisited	PHYS REV B	2024	
Bending rigidity exponent of a two-dimensional crystalline membrane with number of flexural modes	PHYS REV E	2024	
Pair production in rotating electric fields via quantum kinetic equations: Resolving helicity states	PHYS REV D	2024	
All-optical control of skyrmion configuration in CrI₃monolayer	SCI REP-UK	2024	
Light-matter coupling and spin-orbit interaction of polariton modes in liquid crystal optical microcavities	PHYS REV RES	2024	
Disorder-induced topological transitions in a multilayer topological insulator	PHYS REV B	2024	
Stochastic circular persistent currents of exciton polaritons	Scientific Reports	2024	10.1038/s41598-024-63725-1

ПЛЕНКИ ДЛЯ МЕДЛЕННОГО ВЫСВОБОЖДЕНИЯ ЛЕКАРСТВ НА ОСНОВЕ МЕТАЛЛ-ОРГАНИЧЕСКОГО КООРДИНАЦИОННОГО ПОЛИМЕРА MIL-100(Fe)	Координационная химия	2024	
Isonitrile Coordination to Pincer Iridium Hydrido Chlorides	Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya	2024	10.1134/S1070328423601541
Delayed Drug Release Films Based on MIL-100(Fe) Metal-Organic Framework	Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya	2024	10.1134/S1070328423600900
Global, regional, and national stillbirths at 20 weeks' gestation or longer in 204 countries and territories, 1990–2021: findings from the Global Burden of Disease Study 2021	The Lancet	2024	10.1016/S0140-6736(24)01925-1
Upper Limit on the K+ → π0π0π0e+ν Decay	JETP Letters	2024	10.1134/S0021364024603415
Magneto-Optical Structure of the Nuclotron for Searching for the Electric Dipole Moment of Light Nuclei	Physics of Particles and Nuclei Letters	2024	10.1134/S1547477124700109
Transition Energy Crossing of Polarized Proton Beam at NICA	Physics of Atomic Nuclei	2024	10.1134/S1063778824700054
Toward a quantum field theoretical description of oscillation effects	International Journal of Modern Physics A	2024	10.1142/S0217751X24450027
Dark photon production via elastic proton bremsstrahlung with non-zero momentum transfer	Journal of High Energy Physics	2024	10.1007/JHEP01(2024)058
Electronic Structure of Pinned Abrikosov Vortices: Andreev Theory of Quasiparticle Bound States	Journal of Low Temperature Physics	2024	10.1007/s10909-024-03155-5
Robustness of variational quantum algorithms against stochastic parameter perturbation	Physical Review A	2024	10.1103/PhysRevA.109.042426
Unconventional superconductivity and paramagnetic Meissner response triggered by nonlocal pairing interaction in proximitized heterostructures	Physical Review B	2024	10.1103/PhysRevB.110.094503
Double polarized deuteron-deuteron scattering and test of T -invariance	International Journal of Modern Physics E	2024	10.1142/S0218301324410039
Inverse spin galvanic effect in proximitized superconductor/paramagnet systems	Applied Physics Letters	2024	10.1063/5.0209992
Photogalvanic phenomena in superconductors supporting intrinsic diode effect	Physical Review B	2024	10.1103/PhysRevB.109.L220503
Depth scaling of unstructured search via quantum approximate optimization	Physical Review A	2024	10.1103/PhysRevA.110.012428
Proximity induced noncollinear magnetic states in planar superconductor/ferromagnet/ferromagnet hybrid trilayers	Physical Review B	2024	10.1103/PhysRevB.110.214501
Mitigating quantum gate errors for variational eigensolvers using hardware-inspired zero-noise extrapolation	Physical Review A	2024	10.1103/PhysRevA.110.012404
Ac Hall Effect and Photon Drag of Superconducting Condensates	Physical Review Letters	2024	10.1103/PhysRevLett.132.096001

NICA prospects in searches for light exotics from hidden sectors: The cases of hidden photons and axion-like particles	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	2024	10.1016/j.physletb.2024.138599
NICA Facilities for the Search for EDM Light Nuclei	Physics of Atomic Nuclei	2024	10.1134/S1063778824700534
Quasi-Frozen Spin Concept at NICA for EDM Search and Its Matrix Analysis	Physics of Atomic Nuclei	2024	10.1134/S1063778824700285
Performance Study of the PRAW Mechanism with Slots of Arbitrary Duration in Wi-Fi HaLow Networks	Journal of Communications Technology and Electronics	2024	10.1134/S1064226924700049
Study of CSI Compression Influence on MU-MIMO Efficiency under Channel Aging	Journal of Communications Technology and Electronics	2024	10.1134/S1064226924700098
Packet Duplication for Improving Throughput of the Multi-Link Devices in Wi-Fi 7 Networks	Journal of Communications Technology and Electronics	2024	10.1134/S1064226924700128
Классификация шифрованного трафика на основе характеристик смежных потоков	Информационные процессы	2024	
Analysis of Network State by RIPE Atlas Distributed Measurement System	2024 26th International Conference on Digital Signal Processing and its Applications, DSPA 2024	2024	10.1109/DSPA60853.2024.10510129
Pilot Overhead Reduction for Antenna Ports in MIMO OFDM Systems Using High-Resolution Map	2024 IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2024	2024	10.1109/BlackSeaCom61746.2024.10646232
Effect of a Protective Coating on the Characteristics of a Reconfigurable Intelligent Surface	Journal of Communications Technology and Electronics	2024	10.1134/S1064226924700074
Управление процентными ставками в розничном банке	Управление большими системами: сборник трудов	2024	
Проектирование каналов BYPASS в ускорительном комплексе nica для экспериментов с поляризованными пучками по поиску ЭДМ	Ядерная физика и инжиниринг	2024	
Study of an Adaptive Waiting Control Algorithm for Channel Access in IEEE 8012.11be Networks	Journal of Communications Technology and Electronics	2024	10.1134/S106422692470013X
Enhanced ROPA design for ultra-long unrepeatered communication lines with an additional pump fiber	Asia Communications and Photonics Conference, ACP	2024	10.1109/ACP/IPOC63121.2024.10809647
Longitudinal Dynamic in NICA Barrier Bucket RF System at Transition Energy Including Impedances in BLonD	Physics of Particles and Nuclei Letters	2024	10.1134/S1547477124700389
Quasi-Frozen Spin Structures at the NICA Collider as an Option to Search for the Electric Dipole Moment of Deuterons and Axion Dark Matter	Physics of Particles and Nuclei Letters	2024	10.1134/S1547477124700092
Recent results and prospects of LBL accelerator experiments	Proceedings of Science	2024	10.22323/1.455.0043
Observation of K+→π+π0π0γ decay	European Physical Journal C	2024	10.1140/epjc/s10052-024-12674-0
Zebrafish As a Promising Experimental Model of Traumatic Brain Injury	J EVOL BIOCHEM PHYS+	2024	

Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	The Lancet	2024	10.1016/S0140-6736(24)00933-4
Catalytic activity of cyclobutadiene rhodium complexes in hydrosilylation and other transformations of alkynes	New Journal of Chemistry	2024	10.1039/d3nj05426h
Synthesis and Monoamine Oxidase Inhibition Properties of (Sulfamoylphenyl)quinoline-4-carboxylic Acids	Russian Journal of General Chemistry	2024	10.1134/S1070363224100049
The influence of various polymer coatings on the in vitro and in vivo properties of PLGA nanoparticles: Comprehensive study	European Journal of Pharmaceutics and Biopharmaceutics	2024	10.1016/j.ejpb.2024.114366
Global estimates on the number of people blind or visually impaired by age-related macular degeneration: a meta-analysis from 2000 to 2020	Eye (Basingstoke)	2024	10.1038/s41433-024-03050-z
Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	The Lancet	2024	10.1016/S0140-6736(24)00367-2
Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	The Lancet	2024	10.1016/S0140-6736(24)00757-8
Нарушение зрения как основная жалоба у пациента с геморрагической лихорадкой с почечным синдромом (клиническое наблюдение)	РМЖ	2024	
Long-read sequencing of extrachromosomal circular DNA and genome assembly of a Solanum lycopersicum breeding line revealed active LTR retrotransposons originating from S. Peruvianum L. introgressions	BMC Genomics	2024	10.1186/s12864-024-10314-1
ЗЕБРАДАНИО (DANIO RERIO) КАК ПЕРСПЕКТИВНАЯ ЭКСПЕРИМЕНТАЛЬНАЯ МОДЕЛЬ ТРАВМАТИЧЕСКОГО ПОВРЕЖДЕНИЯ МОЗГА	Российский физиологический журнал им. И.М. Сеченова	2024	
Global, regional, and national burden of stroke and its risk factors, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	The Lancet Neurology	2024	10.1016/S1474-4422(24)00369-7
Global, regional, and national burden of disorders affecting the nervous system, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	The Lancet Neurology	2024	10.1016/S1474-4422(24)00038-3

RECONSTRUCTING ETHNOCULTURAL PROCESSES IN THE SAUSKEN VALLEY (TUVA) DURING THE LATER HALF OF THE 1ST MILLENNIUM BC; [РЕКОНСТРУКЦИЯ ЭТНОКУЛЬТУРНЫХ ПРОЦЕССОВ ВТОРОЙ ПОЛОВИНЫ I ТЫС. ДО Н.Э. В ЦЕНТРАЛЬНОЙ ТУВЕ (ПО ДАННЫМ ПАМЯТНИКОВ УРОЧИЩА САУСКЕН)]	Ufa Archaeological Herald	2024	10.31833/uav/2024.24.2.016
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
Global estimates on the number of people blind or visually impaired by cataract: a meta-analysis from 2000 to 2020	Eye (Basingstoke)	2024	10.1038/s41433-024-02961-1
Can we gain translational insights into the functional roles of cerebral cortex from acortical rodent and naturally acortical zebrafish models?	Progress in Neuro-Psychopharmacology and Biological Psychiatry	2024	10.1016/j.pnpbp.2024.110964
Fitting to magnetic forces improves the reliability of magnetic Moment Tensor Potentials	Computational Materials Science	2024	10.1016/j.commatsci.2024.113331
Carborane-containing stereoregular cyclic phenylsiloxanes: synthesis, structure and properties	New Journal of Chemistry	2024	10.1039/d4nj01175a
The RAS/BRAF genes status in patients with colorectal cancer (Review)	Koloproktologia	2024	10.33878/2073-7556-2024-23-3-112-125
Chaperones vs. oxidative stress in the pathobiology of ischemic stroke	Frontiers in Molecular Neuroscience	2024	10.3389/fnmol.2024.1513084
“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 populaţiei culturilor Fatianovo și Abashevo de pe Volga de Mijloc în lumina datelor secvenţierii 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
MITIGATION OF INTESTINAL AUTOFLUORESCENCE ACCUMULATION IN CAENORHABDITIS ELEGANS TREATED WITH PLANT-BASED NATURAL PRODUCTS; [СНИЖЕНИЕ НАКОПЛЕНИЯ АУТОФЛЮОРЕСЦЕНЦИИ КИШЕЧНИКА У CAENORHABDITIS ELEGANS ПРИ ЛЕЧЕНИИ НАТУРАЛЬНЫМИ ПРОДУКТАМИ НА РАСТИТЕЛЬНОЙ ОСНОВЕ]	Acta Biomedica Scientifica	2024	10.29413/ABS.2024-9.6.19
Trends and levels of the global, regional, and national burden of appendicitis between 1990 and 2021: findings from the Global Burden of Disease Study 2021	The Lancet Gastroenterology and Hepatology	2024	10.1016/S2468-1253(24)00157-2

Publisher Correction: Global estimates on the number of people blind or visually impaired by cataract: a meta-analysis from 2000 to 2020 (Eye, (2024), 38, 11, (2156-2172), 10.1038/s41433-024-02961-1)	Eye (Basingstoke)	2024	10.1038/s41433-024-03161-7
Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021	The Lancet	2024	10.1016/S0140-6736(24)00685-8
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
Sample-Wise and Gene-Wise Comparisons Confirm a Greater Similarity of RNA and Protein Expression Data at the Level of Molecular Pathways and Suggest an Approach for the Data Quality Check in High-Throughput Expression Databases	Biochemistry (Moscow)	2024	10.1134/S0006297924040126
Tobacco, Alcohol and Diet as Mortality Risk Factors: The Secondary Analysis of a 25-Year Cohort Study	Journal of Health Research	2024	10.56808/2586-940X.1062
Activation of P38 MAPK Signaling Cascade is Linked with Clinical Outcomes and Therapeutic Responses in Human Cancers	Biochemistry (Moscow)	2024	10.1134/S0006297924120058
Targeted PLGA–Chitosan Nanoparticles for NIR-Triggered Phototherapy and Imaging of HER2-Positive Tumors	Pharmaceutics	2024	10.3390/pharmaceutics16010009
Advancing virus-induced gene silencing in sunflower: key factors of VIGS spreading and a novel simple protocol	Plant Methods	2024	10.1186/s13007-024-01241-z
Developing Peripheral Biochemical Biomarkers of Brain Disorders: Insights from Zebrafish Models	Biochemistry (Moscow)	2024	10.1134/S0006297924020160
Anthropology and Genetics of the Tolyonsky Burial Ground No. 93. Udmurtia, Polomskaya Archaeological Culture	Russian Journal of Genetics	2024	10.1134/S1022795424700248
Global estimates on the number of people blind or visually impaired by Uncorrected Refractive Error: a meta-analysis from 2000 to 2020	Eye (Basingstoke)	2024	10.1038/s41433-024-03106-0
Global fertility in 204 countries and territories, 1950–2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021	The Lancet	2024	10.1016/S0140-6736(24)00550-6
Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021	The Lancet	2024	10.1016/S0140-6736(24)00476-8
Response of Staphylococcus aureus to combination of virulent bacteriophage vB_SauM-515A1 and linezolid	Frontiers in Microbiology	2024	10.3389/fmicb.2024.1519312

Atomic force microscopy investigation of DNA denaturation on a highly oriented pyrolytic graphite surface	International Journal of Biological Macromolecules	2024	10.1016/j.ijbiomac.2024.131630
Quantum state preparation with optical injection: Issue of intersymbol interference; [Приготовление квантовых состояний с помощью оптической инжекции: проблема межсимвольной интерференции]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.173.134
Highly Efficient HDR Signal Processing for ASICs Using the Flexfloat Data Type	2024 26th International Conference on Digital Signal Processing and its Applications, DSPA 2024	2024	10.1109/DSPA60853.2024.10510033
A Theory of Large-Scale Flows of Rotating Partially Ionized Space and Astrophysical Plasma in the Approximation of Hall Magnetohydrodynamics	Plasma Physics Reports	2024	10.1134/S1063780X24601159
Large-Scale Hydrodynamic Flows in Media with Variable Thermodynamic Characteristics	Plasma Physics Reports	2024	10.1134/S1063780X24600865
ОДНОМЕРНАЯ МОДЕЛЬ ВЕРТИКАЛЬНОГО ПЕРЕНОСА ХИМИЧЕСКИХ СОСТАВЛЯЮЩИХ В АТМОСФЕРЕ МАРСА ВПЛОТЬ ДО ВЫСОТ ТЕРМОСФЕРЫ	Астрономический вестник. Исследования Солнечной системы	2024	
Формирование механизма регулирования правотворческой деятельности органов государственной власти в условиях трансформации системы общественных отношений	Юридическая наука	2024	
Учет производства энтропии в уравнении Лиувилля и вывод из него "модифицированной" системы уравнений Навье-Стокса	Труды МАИ	2024	
On "classical" and "quantum" limits at the integration of a system of autonomous differential equations; [О «классических» и «квантовых» пределах при интегрировании системы автономных дифференциальных уравнений]	Differencialnie Uravnenia i Protsesy Upravlenia	2024	
О "классических" и "квантовых" пределах при интегрировании системы автономных дифференциальных уравнений	Дифференциальные уравнения и процессы управления	2024	
ОБ УПРАВЛЕНИИ ДВИЖЕНИЕМ ПЕРСПЕКТИВНОГО ТРАНСПОРТНОГО КОСМИЧЕСКОГО КОРАБЛЯ С ПОМОЩЬЮ РАКЕТНЫХ ДВИГАТЕЛЕЙ	Известия Российской академии наук. Теория и системы управления	2024	
On Controlling the Motion of an Advanced Manned Spacecraft Using Jet Thrusters	Journal of Computer and Systems Sciences International	2024	10.1134/S1064230724700242
Spectral Properties of Tolane and Its Supramolecular Complexes in Solution and Silicate Hydrogel	Russian Journal of Inorganic Chemistry	2024	10.1134/S0036023624600291
Increase in the Two-Photon Absorption Cross Section of Styryl Dye in Supramolecular Complexes with Cucurbiturils	High Energy Chemistry	2024	10.1134/S0018143924700140
Supramolecular host–guest interactions of dibenzoylmethanatoboron difluoride with β-cyclodextrin	Journal of Molecular Liquids	2024	10.1016/j.molliq.2024.125518

The Method of Optoacoustic Spectroscopy in the Study of Supramolecular Systems Based on Cucurbiturils	Instruments and Experimental Techniques	2024	10.1134/S0020441224701008
HOCOMOCO in 2024:ã rebuild of the curãt ed collection of binding models for humanãnd mouse transcription factors	Nucleic Acids Research	2024	10.1093/nar/gkad1077
Short-side-chain perfluorinated polymeric membranes annealed at high temperature: Structure, conductivity, and fuel cell performance	International Journal of Hydrogen Energy	2024	10.1016/j.ijhydene.2024.09.004
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
Validation of a two-fluid turbulence model in comsol multiphysics for the problem of flow around aerodynamic profiles	Scientific Reports	2024	10.1038/s41598-024-52673-5
Specific Activation of the Expression of Growth Factor Genes in Expi293F Human Cells Using CRISPR/Cas9-SAM Technology Increases Their Proliferation	Acta Naturae	2024	10.32607/actanaturae.27415
On ecologically-safe high-speed vehicles: Conceptual design study of the next generation supersonic transport	Acta Astronautica	2024	10.1016/j.actaastro.2023.11.040
Morphology of the Excited Hydroxyl in the Martian Atmosphere: A Model Study—Where to Search for Airglow on Mars?	Remote Sensing	2024	10.3390/rs16020291
Разложение плоской электромагнитной волны по сферическим волнам в случае произвольного направления распространения	Радиотехника	2024	
Optimal Service Area Partitioning for Wireless Communication Systems and a Multibeam Antenna with Contoured Beams for the Equipotential Coverage of This Area	Progress In Electromagnetics Research C	2024	10.2528/PIERC24020110
Polarization extinction ratio conversion due to pointing system impact in satellite quantum key distribution; [Влияние системы наведения на изменение коэффициента поляризационной экстинкции в спутниковой квантовой криптографии]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.173.216
Single-Photon Sources. Review Part 2	Photonics Russia	2024	10.22184/1993-7296.FRos.2024.18.8.610.620
Single-Photon Sources. Review Part 1	Photonics Russia	2024	10.22184/1993-7296.FRos.2024.18.5.376.396
Improving Estimates of the Length of a Secret Key in the Channel of an Earth Satellite	Bulletin of the Russian Academy of Sciences: Physics	2024	10.1134/S1062873824706883
Climate Change Impact on Agricultural Land Suitability: An Interpretable Machine Learning-Based Eurasia Case Study	IEEE Access	2024	10.1109/ACCESS.2024.3358865
Numerical Aspects and Implementation of LAKE Scheme into a Global Atmospheric Model SLAV	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224602601

Patient-specific input data for predictive modelling of the fontan procedure	Mathematical Modelling of Natural Phenomena	2024	10.1051/mmnp/2024013
Temporally and spatially segregated discretization for a coupled electromechanical myocardium model	Russian Journal of Numerical Analysis and Mathematical Modelling	2024	10.1515/rnam-2024-0022
A biomechanical model for concomitant functioning of neck and shoulder: a pilot study	Scientific Reports	2024	10.1038/s41598-024-83075-2
Dynamic Adaptive Moving Mesh Finite Volume Method for Navier-Stokes Equations	Lecture Notes in Computational Science and Engineering	2024	10.1007/978-3-031-59652-0_9
Influence of capacitance and thermal fluctuations on the Josephson diode effect in asymmetric higher-harmonic SQUIDs	Physical Review B	2024	10.1103/PhysRevB.110.104508
Stability of supersonic boundary layer over an unswept wing with a parabolic airfoil	Theoretical and Computational Fluid Dynamics	2024	10.1007/s00162-023-00680-z
Теоретический анализ применения шумоподобных сигналов в морской импульсной электроразведке	Вестник Московского университета. Серия 4: Геология	2024	
Formation of Active Particles in Methane, Nitrogen, and Oxygen Mixtures under Simultaneous Action of an Electric Field and an Electron Beam	Plasma Physics Reports	2024	10.1134/S1063780X24601433
Kinetic Coefficients of Electrons in Weakly Ionized Plasma of Mixtures of Air with Water Vapor in a Strong Electric Field	Plasma Physics Reports	2024	10.1134/S1063780X24600476
Phase composition, conductivity, and sensor properties of cerium-doped indium oxide	Nano Materials Science	2024	10.1016/j.nanoms.2023.09.001
Extracting building outlines based on convolutional neural networks using the property of linear connectivity	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2024	10.5194/isprs-archives-XLVIII-1-2024-147-2024
Improving change detection performance with generative-adversarial augmentation of dataset	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2024	10.5194/isprs-archives-XLVIII-3-2024-265-2024
ПОСТРОЕНИЕ ИНТЕГРИРОВАННЫХ АВТОМАТИЗИРОВАННЫХ СИСТЕМ УПРАВЛЕНИЯ НПЗ/НХК	Автоматизация в промышленности	2024	
Многозадачное обучение для улучшения генерализации в задаче генерации структурированных запросов	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Dakar Niño under global warming investigated by a high-resolution regionally coupled model	Earth System Dynamics	2024	10.5194/esd-15-1401-2024
Impact of model’s resolution on the sea surface temperature climate change signal in the Southeastern Tropical Atlantic	Climate Dynamics	2024	10.1007/s00382-024-07479-6
Regionally Coupled Climate Model ROM Projects More Plausible Precipitation Change Over Central Equatorial Africa	Journal of Geophysical Research: Atmospheres	2024	10.1029/2024JD041466
A unified quasiparticle approach to the theory of strongly correlated electron liquids	Annals of Physics	2024	10.1016/j.aop.2024.169622

Features of liquid filtration in heterogeneous formations with random permeability. Part 1. The flow of liquid to individual well	Neftyanoe Khozyaystvo - Oil Industry	2024	10.24887/0028-2448-2024-8-79-83
Investigation of the Aerodynamic Characteristics of a 10° Cone in a T-128 Transonic Wind Tunnel	Journal of The Institution of Engineers (India): Series C	2024	10.1007/s40032-021-00749-w
Contextualizing the Notion of an Entrepreneurial University: A Reflective Framework	Foresight and STI Governance	2024	10.17323/2500-2597.2024.4.33.50
МОДЕЛИ ПРОЦЕССОВ ЗАКУПКИ МАТЕРИАЛЬНО-ТЕХНИЧЕСКОГО ОБЕСПЕЧЕНИЯ ШКОЛ И КОНКУРЕНЦИИ МЕЖДУ ПОСТАВЩИКАМИ	Проблемы управления	2024	
О МОДЕЛИРОВАНИИ ЗАКУПКИ ОБРАЗОВАТЕЛЬНОГО ОБОРУДОВАНИЯ И БЮДЖЕТНОЙ КОНКУРЕНЦИИ ШКОЛ	Вестник Южно-Уральского государственного университета. Серия: Компьютерные технологии, управление, радиоэлектроника	2024	
Thieno[3,2-b]indole / 2,2′-bithiophene-based D-π-A dyes for dye sensitized solar cells	Dyes and Pigments	2024	10.1016/j.dyepig.2023.111917
Research of the PAA Operation under Time-Varying Overloads	Proceedings of the 2024 6th International Youth Conference on Radio Electronics, Electrical and Power Engineering, REEPE 2024	2024	10.1109/REEPE60449.2024.10479856
Multi-sensor Data Analysis for Aerial Image Semantic Segmentation and Vectorization	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2024	10.5194/isprs-archives-XLVIII-1-2024-291-2024
Elementary Solution to the Fair Division Problem	Problems of Information Transmission	2024	10.1134/S003294602401006X
BEHAVIOR OF TUNGSTEN COATED WITH BORON CARBIDE EXPOSED TO INTENSE PLASMA STREAM; [ПОВЕДЕНИЕ ВОЛЬФРАМА С ПОКРЫТИЕМ ИЗ КАРБИДА БОРА ПРИ ВОЗДЕЙСТВИИ ИНТЕНСИВНЫХ ПЛАЗМЕННЫХ ПОТОКОВ]	Problems of Atomic Science and Technology, Series Thermonuclear Fusion	2024	10.21517/0202-3822-2024-47-1-99-110
Data Analytics for Predicting Situational Developments in Smart Cities: Assessing User Perceptions	Sensors	2024	10.3390/s24154810
ИЗУЧЕНИЕ ТЕХНИЧЕСКИХ ХАРАКТЕРИСТИК СОРБЕНТОВ И ПОГЛОТИТЕЛЕЙ ДЛЯ УЛАВЛИВАНИЯ ФТОРИДНЫХ СОЕДИНЕНИЙ В РАЗДЕЛИТЕЛЬНОМ ПРОИЗВОДСТВЕ ИЗОТОПОВ УРАНА	Вопросы атомной науки и техники. Серия: Материаловедение и новые материалы	2024	
Metabolite Biomarkers for Early Ischemic–Hypoxic Encephalopathy: An Experimental Study Using the NeoBase 2 MSMS Kit in a Rat Model	International Journal of Molecular Sciences	2024	10.3390/ijms25042035
Electron Identification with the Electromagnetic Calorimeter and Its Application for Charmonia Studies in the Experiment ALICE3 at the LHC	Physics of Particles and Nuclei Letters	2024	10.1134/S1547477124700900
Методика распознавания речевых команд в школьных информационных системах	Речевые технологии	2024	
Implementation of Artificial Intelligence Technologies: Development of Urban Transport Systems and Citizens' Perception	Lecture Notes in Networks and Systems	2024	10.1007/978-3-031-67431-0_7

ChatGPT - это интеллектуальная система?	Речевые технологии	2024	
A Numerical Study of the Phenomenon of Seismic Slip on a Fault as a Result of Fluid Injection	Izvestiya, Physics of the Solid Earth	2024	10.1134/S1069351324700848
NUMERICAL SIMULATION OF MELT METAL LAYER MOVEMENT UNDER CONDITIONS RELEVANT TO ITER TRANSIENT REGIMES; [МОДЕЛИРОВАНИЕ ДВИЖЕНИЯ РАСПЛАВЛЕННОГО МЕТАЛЛИЧЕСКОГО СЛОЯ В УСЛОВИЯХ, ХАРАКТЕРНЫХ ДЛЯ ПЕРЕХОДНЫХ ПРОЦЕССОВ В ИТЭР]	Problems of Atomic Science and Technology, Series Thermonuclear Fusion	2024	10.21517/0202-3822-2024-47-1-76-88
Algorithm for Finding Parameters of Equations of State by Particle Swarm Optimization	Bulletin of the Russian Academy of Sciences: Physics	2024	10.1134/S1062873824707670
Active Brownian Motion of Microparticles in a DC Glow Discharge under Laser Radiation	Plasma Physics Reports	2024	10.1134/S1063780X23601906
Deep Learning Applications for Intrusion Detection in Network Traffic	Programming and Computer Software	2024	10.1134/S0361768824700221
Benthic communities under methane gradient in the Laptev and East Siberian seas	Frontiers in Ecology and Evolution	2024	10.3389/fevo.2024.1406680
Assessing the potential of Eddy detection in MIZ using SAR and Lagrangian modeling: A test case on Fram Strait	Journal of Sea Research	2024	10.1016/j.seares.2024.102531
The roles of river discharge and sea ice melting in formation of freshened surface layers in the Kara, Laptev, and East Siberian seas	Frontiers in Marine Science	2024	10.3389/fmars.2024.1348450
The Dynamics of XUV Plasma Emission in a Low-Inductance Vacuum Spark at the Initial Stage of Discharge Development	Plasma Physics Reports	2024	10.1134/S1063780X24600610
Mechanical Model of a Space Elevator. Oscillations	Russian Aeronautics	2024	10.3103/S106879982403005X
Modification of mesenchymal stromal cells with silibinin-loaded PLGA nanoparticles improves their therapeutic efficacy for cutaneous wound repair	Nanomedicine: Nanotechnology, Biology, and Medicine	2024	10.1016/j.nano.2024.102767
Au-based bimetallic nanoparticles: current biomedical applications	Journal of Nanoparticle Research	2024	10.1007/s11051-024-06122-z
Analysis of Information Flows Distribution with a Load Balancer in Data Centers	2024 Systems of Signals Generating and Processing in the Field of on Board Communications, SOSG 2024 - Conference Proceedings	2024	10.1109/IEEECONF60226.2024.10496809
New Polytype of NbS3 Whiskers: from Simple to Complex	JETP Letters	2024	10.1134/S0021364024601702
A composite cathode of biofuel cell based on cross-linked Poly(3,4-ethylenedioxythiophene) polystyrene sulfonate and platinum nanoparticles	Electroanalysis	2024	10.1002/elan.202300380
Thermal Transformations of Ferrocene Fe(C5H5)2 at a Pressure of 10 GPa and Temperatures up to 2200 K	JETP Letters	2024	10.1134/S0021364024600927

ВЛИЯНИЕ ОБЛУЧЕНИЯ ИОНАМИ Xe С ЭНЕРГИЕЙ 167 МЭВ НА СВЕРХПРОВОДЯЩИЕ СВОЙСТВА ВТСП-ЛЕНТ ВТОРОГО ПОКОЛЕНИЯ	Журнал экспериментальной и теоретической физики	2024	
Low-carbon pyrolysis of vacuum gas oil by non-thermal plasma	Plasma Processes and Polymers	2024	10.1002/ppap.202400061
Новый политип вискеров NbS₃: от простого к сложному	Письма в Журнал экспериментальной и теоретической физики	2024	
Crystallization of High-Generation Carbosilane Dendrimers: From Space Filling to Dense Packing	Macromolecules	2024	10.1021/acs.macromol.3c02115
Effect of “corona-core” structuring of poly(1-vinyl-1,2,4-triazole)–poly(acrylic acid)-Ag(I) interpolymer complexes on the radiation-induced preparation and stability of silver nanoparticles	Radiation Physics and Chemistry	2024	10.1016/j.radphyschem.2024.112059
Internet of things (IoT) use for remote monitoring of algal bioreactors	Algal Bioreactors: Science, Engineering and Technology of Upstream Processes: Volume 1	2024	10.1016/B978-0-443-14058-7.00044-0
Effects of Silver Citrate Prolonged Exposure on Behavioral and Cognitive Functions of Mice	Nanobiotechnology Reports	2024	10.1134/S263516762460130X
Phase composition, structural and magnetic properties of core-shell nanoparticles based on iron carbide Fe3C synthesized by the sol-gel method	Journal of Alloys and Compounds	2024	10.1016/j.jallcom.2023.172965
Термические превращения ферроцена Fe(C₅H₅)₂ при давлении 10 ГПа и температурах до 2200 K	Письма в Журнал экспериментальной и теоретической физики	2024	
THE ROLE OF LIGHTING SYSTEMS IN BIOTECHNOLOGY OF PHOTOTROPHIC MICROORGANISMS	Light and Engineering	2024	10.33383/2024-028
Differential phase contrast STEM image calculation software – Magnifier	Ultramicroscopy	2024	10.1016/j.ultramic.2024.114035
Reconstruction of Maslov’s Complex Germ in the Cauchy Problem for the Schrödinger Equation with a Delta Potential Localized on a Hypersurface	Russian Journal of Mathematical Physics	2024	10.1134/S1061920824030142
ИДЕНТИФИКАЦИЯ УЛЬТРАСТРУКТУРНЫХ ДЕТАЛЕЙ СИСТЕМ ОТРОСТКОВ АСТРОЦИТОВ В НЕРВНОЙ ТКАНИ ГОЛОВНОГО МОЗГА С ИСПОЛЬЗОВАНИЕМ КОРРЕЛЯТИВНОЙ СКАНИРУЮЩЕЙ ЗОНДОВОЙ И ПРОСВЕЧИВАЮЩЕЙ ЭЛЕКТРОННОЙ МИКРОСКОПИИ	Доклады Российской академии наук. Науки о жизни	2024	
ПОЛУЧЕНИЕ ПЛАЗМЕННО-ПЫЛЕВЫХ ОБЛАКОВ ИЗ МЕТЕОРИТНОГО ВЕЩЕСТВА, ЕГО АНАЛОГОВ И ИМИТАТОРОВ ЛУННОГО РЕГОЛИТА С ПОМОЩЬЮ МИКРОВОЛНОВОГО РАЗРЯДА	Астрономический вестник. Исследования Солнечной системы	2024	
Therapy-induced secretion of spliceosomal components mediates pro-survival crosstalk between ovarian cancer cells	Nature Communications	2024	10.1038/s41467-024-49512-6

Мультиплексная экспресс-иммунодиагностика в микрофлюидном чипе	Нанотехнологии: разработка, применение - XXI век	2024	
Application of semi-quantitative loop-mediated isothermal amplification for gene expression study in Expi293 cells	Genes and Cells	2024	10.17816/gc635661
Author Correction: Therapy-induced secretion of spliceosomal components mediates pro-survival crosstalk between ovarian cancer cells (Nature Communications, (2024), 15, 1, (5237), 10.1038/s41467-024-49512-6)	Nature Communications	2024	10.1038/s41467-024-50958-x
Thiadiazole-, selenadiazole- and triazole-fused anthraquinones as G-quadruplex targeting anticancer compounds	European Journal of Medicinal Chemistry	2024	10.1016/j.ejmech.2024.116222
Assay variables and early clinical evaluation of low-angle light scattering for platelet function analysis	International Journal of Hematology	2024	10.1007/s12185-024-03859-0
Корреляционная микроскопия СЭМ-КЛСМ и ее применение для исследования электроформованных волокон желатина	Наноиндустрия	2024	
Four sides to the story: A proteomic comparison of liquid-phase and matrix-bound extracellular vesicles in 2D and 3D cell cultures	Proteomics	2024	10.1002/pmic.202300375
Microdispersed Ti/B/N Materials Synthesized in Chain Reactions in Processes Initiated by Microwaves of a High-Power Gyrotron: Structure and Cytotoxicity	Fusion Science and Technology	2024	10.1080/15361055.2023.2255442
Structures, Stability, and Cellular Uptake of Protein Nanoparticles (NP) and Extracellular Vesicles (EVs)	CURR DRUG DELIV	2024	
ОЛИГОМЕРИЗАЦИЯ БЕЛКА IHF В ПРИСУТСТВИИ КАТИОНОВ МЕТАЛЛОВ	Кристаллография	2024	
Self-assembling amyloid-like nanostructures from SARS-CoV-2 S1, S2, RBD and N recombinant proteins	Archives of Biochemistry and Biophysics	2024	10.1016/j.abb.2023.109843
Reducing the Complexity of the Layer Scheduled LDPC Decoder Based on the Information Bottleneck Method	Problems of Information Transmission	2024	10.1134/S0032946024030049
Retrovirus-like gag protein Arc/Arg3.1 is involved in extracellular-vesicle-mediated mRNA transfer between glioma cells	Biochimica et Biophysica Acta - General Subjects	2024	10.1016/j.bbagen.2023.130522
Formation and practical implementation of a helical radiation wavefront in the mid-infrared range	Journal of Optical Technology (A Translation of Opticheskii Zhurnal)	2024	10.1364/JOT.91.000152
Carbene-coated metal nanoparticles for in vivo applications	Colloids and Surfaces B: Biointerfaces	2024	10.1016/j.colsurfb.2024.114097
Carbonic anhydrase-magnetite nanocomposites with an RF field controlled enzymatic activity	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2024	10.1016/j.colsurfa.2023.132539
Post-radiation changes in the number of phosphorylated h2ax and atm protein foci in low dose x-ray irradiated human mesenchymal stem cells	Medical Radiology and Radiation Safety	2024	10.33266/1024-6177-2024-69-1-15-19

Temperature dependences of the magnetic susceptibility of magnetic colloids placed in porous media	Applied Physics A: Materials Science and Processing	2024	10.1007/s00339-024-07976-9
A harmonization technique for radar images obtained from various synthetic aperture radars to form a composite dataset for training a neural network; [Методика преобразования радиолокационных изображений, получаемых с различных РСА, для формирования композитного набора данных для обучения нейронной сети]	Sovremennye Problemy Distantsionnogo Zondirovaniya Zemli iz Kosmosa	2024	10.21046/2070-7401-2024-21-1-135-145
Spectral adjustment of the illumination stand; [Спектральная настройка стенда равномерной засветки]	Sovremennye Problemy Distantsionnogo Zondirovaniya Zemli iz Kosmosa	2024	10.21046/2070-7401-2024-21-1-163-171
Optimization of the design of open-type ultraviolet irradiators; [Оптимизация конструкции ультрафиолетовых облучателей открытого типа]	Applied Physics	2024	10.51368/1996-0948-2024-3-99-103
Estimating downward short-wave solar flux from all-sky RGB imagery using machine learning trained on DASIO dataset	AIP Conference Proceedings	2024	10.1063/5.0182772
Non-stationary load measurement using six-component strain-gauge balances	Measurement: Journal of the International Measurement Confederation	2024	10.1016/j.measurement.2024.114176
Induced Proton Precipitations from the Inner Radiation Belt Registered in Oceania	Geomagnetism and Aeronomy	2024	10.1134/S0016793224600826
Improving data-driven estimation of significant wave height through preliminary training on synthetic X-band radar sea clutter imagery	Frontiers in Marine Science	2024	10.3389/fmars.2024.1363135
Study of the Characteristics of Internal Waves in the Kara Sea and Their Influence on Turbulent Heat and Momentum Fluxes over the Sea Surface	Izvestiya, Atmospheric and Oceanic Physics	2024	10.1134/S0001433824700464
Determination of the Dipole Moment Variation Upon Excitation in the Chromophore of Green Fluorescent Protein From Molecular Dynamic Trajectories with QM/MM Potentials Using Machine Learning Methods	Russian Journal of Physical Chemistry A	2024	10.1134/S0036024424701796
Improved sea surface salinity data for the Arctic Ocean derived from SMAP satellite data using machine learning approaches	Frontiers in Marine Science	2024	10.3389/fmars.2024.1358882
Full-scale modeling and experimental study of a gas neutron tube with a Penning ion source	Journal of Applied Physics	2024	10.1063/5.0217674
Application of the intramolecular Diels-Alder vinylarene (IMDAV) reaction for the synthesis of benzo-, carbocyclo-, thienothiopheneisoindolecarboxylic acids and its limitations	Organic and Biomolecular Chemistry	2024	10.1039/d3ob01933k
Benzocaine-N-acylindoline conjugates: synthesis and antiviral activity against Coxsackievirus B3	Medicinal Chemistry Research	2024	10.1007/s00044-024-03191-6

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-epoxyisoindoles 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 КА 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

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 Fe²⁺ 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 AlGaN/AlN/GaN	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 (K_{0.8}Na_{0.2})_{0.8}Fe_{1.8}Se₂	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

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 AlGaN/AlN/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; [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 SACCHAROMYCES CEREVISIAE	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	

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 ростового 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 гибридизации 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 исследованийв 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 OFAN 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 biologiia	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

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 Exiguobacterium sibiricum	Биоорганическая химия	2024	
Structural aspects of RimP binding on small ribosomal subunit from Staphylococcus aureus	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	

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 Exiguobacterium sibiricum	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 biologiia	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

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 (ZrO2)0.90(Sc2O3)0.09(Yb2O3)0.01 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	
Formation of nonclassical and non-Gaussian states of a strong electromagnetic field due to its interaction with free electrons produced by ionization of a target gas	Physical Review A	2024	10.1103/PhysRevA.110.023115
Оценка функциональной значимости стенозов коронарных артерий с помощью определения фракционного резерва кровотока на основании данных компьютерной томографической ангиографии	Системные гипертензии	2024	
Variable-order fractional diffusion: Physical interpretation and simulation within the multiple trapping model	Applied Mathematics and Computation	2024	10.1016/j.amc.2024.128960
Phase-field model of filament formation and growth in percolating memristive systems of nanoparticles	Materials Today Communications	2024	10.1016/j.mtcomm.2024.108464
Relevance of quantum corrections to the matter stress-energy tensor in eternally expanding universes	Physical Review D	2024	10.1103/PhysRevD.109.085012
Photon statistics of organic polariton condensates	Physical Review B	2024	10.1103/PhysRevB.110.045125
Description of the Four-Particle Decays on the Basis of the Standard Model	Physics of Atomic Nuclei	2024	10.1134/S1063778824700169
Quantum cellular automata based on mixed-valence molecules: Some theoretical hints for cell design†	Magnetic Resonance in Solids	2024	10.26907/mrsej-24216
Colour-Electric and Colour-Magnetic Confinement	Physics of Particles and Nuclei	2024	10.1134/S1063779624701041
3D–2D Crossover and Phase Shift of Beats of Quantum Oscillations of Interlayer Magnetoresistance in Quasi-2D Metals	Physics (Switzerland)	2024	10.3390/physics6030061

Модель открытой квантовой системы для описания работы эрбиевого лазера	Журнал радиоэлектроники	2024	
Complex effective actions and gravitational pair creation	Physical Review D	2024	10.1103/PhysRevD.110.105011
Manifestation of strong and ultra-strong coupling in high-order correlation functions	Journal of the Optical Society of America B: Optical Physics	2024	10.1364/JOSAB.524077
Spin-Dipole Strengths and Neutron Skin Thickness of Zr, Sn, Pb	Physics of Atomic Nuclei	2024	10.1134/S1063778824700480
Vlasov-equation approach to the theory of dynamic polarizability of multielectron systems: One-dimensional case	Physical Review A	2024	10.1103/PhysRevA.110.053106
Influence of the correlations in an active medium on the pump-induced exceptional points and strong coupling	Journal of the Optical Society of America B: Optical Physics	2024	10.1364/JOSAB.516839
Digital representation of continuous observables in quantum mechanics	Theoretical and Mathematical Physics(Russian Federation)	2024	10.1134/S0040577924030073
Polyvector deformations of Type IIB backgrounds	European Physical Journal C	2024	10.1140/epjc/s10052-024-13402-4
МОДЕЛИРОВАНИЕ АСТРОФИЗИЧЕСКИХ ДЖЕТОВ В МАГНИТНЫХ ПОЛЯХ ЛАЗЕРНОЙ РЕЛЯТИВИСТСКОЙ ПЛАЗМЫ	Астрономический журнал	2024	
Test of the Classicality Concept in Entangled States of Neutral Pseudoscalar Mesons with the Aid of Three-Time Wigner Inequalities	Physics of Atomic Nuclei	2024	10.1134/S1063778824700236
Rare Decays of Mesons to Three Charged Leptons and a Neutrino within the Standard Model	Physics of Atomic Nuclei	2024	10.1134/S1063778824700583
Exotic potentials and Bianchi identities in SL(5) exceptional field theory	Physical Review D	2024	10.1103/PhysRevD.109.066024
Hard excitation mode of a system with optomechanical instability	Optics Letters	2024	10.1364/OL.510995
Low-mass neutron star nucleosynthesis - stripping scenario	International Journal of Modern Physics E	2024	10.1142/S0218301324410106
Sympathetic Mechanism for Vibrational Condensation Enabled by Polariton Optomechanical Interaction	Physical Review Letters	2024	10.1103/PhysRevLett.133.186903
Klein–Gordon Potentials Solvable in Terms of the General Heun Functions	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224604272
The Influence of a Shock on the Nucleosynthesis Developing during the Explosion of a Low-Mass Neutron Star	Astronomy Letters	2024	10.1134/S106377372470035X
On the possibility of experimental revelations of Unruh and Sokolov-Ternov effects	International Journal of Modern Physics A	2024	10.1142/S0217751X24450040
Transition from inhomogeneous to homogeneous broadening at a lasing prethreshold	Physical Review A	2024	10.1103/PhysRevA.109.033506
Integral representations for products of two solutions of the Airy equation with shifted arguments and their applications in physics	Zeitschrift fur Angewandte Mathematik und Physik	2024	10.1007/s00033-024-02218-7
Simulation of Astrophysical Jets in Magnetic Fields of Laser Relativistic Plasmas	Astronomy Reports	2024	10.1134/S1063772924700343

Transient temperature dynamics of reservoirs connected through an open quantum system	Physical Review E	2024	10.1103/PhysRevE.109.044144
Adjoint master equation for multitime correlators	Physical Review A	2024	10.1103/PhysRevA.109.052207
Generation of vortex electrons in tunneling ionization of polyatomic molecules: Exact results in the zero-range potential model	Physical Review A	2024	10.1103/PhysRevA.110.033107
Integrability structures in string theory	Physics-Uspekhi	2024	10.3367/UFNe.2023.06.039407
First-Principles Calculation of Basic Properties of Rhombohedral Hafnium Oxide with Space Group R3	Physica Status Solidi (B) Basic Research	2024	10.1002/pssb.202400105
UV dispersive effects on Hawking radiation	Physical Review D	2024	10.1103/PhysRevD.109.025001
Источники одиночных фотонов внутри пузырьков на гомо-интерфейсе слоев гексагонального нитрида бора	Письма в Журнал экспериментальной и теоретической физики	2024	
Single-Photon Emitters inside Bubbles Formed at Homointerfaces between Hexagonal Boron Nitride Layers	JETP Letters	2024	10.1134/S0021364024600976
Unravelling the nanoscale mechanism of polarization reversal in a Hf0.5Zr0.5O2-based ferroelectric capacitor by vector piezoresponse force microscopy	Nanoscale	2024	10.1039/d4nr01124d
ГИПЕРСПЕКТРАЛЬНАЯ РЕНТГЕНОВСКАЯ КАМЕРА НА БАЗЕ МАТРИЦ ПРЯМОГО ПРЕОБРАЗОВАНИЯ	Кристаллография	2024	
Filament Formation Mechanism for a Nanosecond Surface Barrier Discharge. Part 2. The Local-Energy Approximation	Plasma Physics Reports	2024	10.1134/S1063780X23601852
Comparison of Electrochemical Motion Sensors with Platinum and Carbon Electrodes	IEEE Sensors Letters	2024	10.1109/LSENS.2024.3359452
ИССЛЕДОВАНИЕ МЕХАНИЗМА ФИЛАМЕНТАЦИИ НАНОСЕКУНДНОГО ПОВЕРХНОСТНОГО БАРЬЕРНОГО РАЗРЯДА.ЧАСТЬ 1. ПРИБЛИЖЕНИЕ ЛОКАЛЬНОГО ПОЛЯ	Физика плазмы	2024	
Study of the Mechanism of Filamentation of Nanosecond Surface Barrier Discharge. Part 1. Local Field Approximation	Plasma Physics Reports	2024	10.1134/S1063780X23601839
Microstructural Evolution of Silver Nanowires When Forming by the Polyol Method	Russian Journal of Inorganic Chemistry	2024	10.1134/S0036023624601685
Структурные особенности, электронный и спиновый транспорт в эпитаксиальных тонких пленках иридатов	Радиоэлектроника. Наносистемы. Информационные технологии	2024	
Температурная зависимость спинового тока в гетероструктурах иридат/манганит	Физика твердого тела	2024	
Polyol Synthesis of Silver Nanowires and Their Application for Transparent Electrode Fabrication	Russian Journal of Inorganic Chemistry	2024	10.1134/S0036023624601697
Production of and Electronic Transport in Thin Films of Strontium Iridate	Bulletin of the Russian Academy of Sciences: Physics	2024	10.1134/S1062873823706360

Манганитные гетероструктуры: SrIrO₃/La_{0.7}Sr_{0.3}MnO₃и Pt/La_{0.7} Sr_{0.3} MnO₃ для возбуждения и регистрации спинового тока	Поверхность. Рентгеновские, синхротронные и нейтронные исследования	2024	
Manganite Heterostructures SrIrO3/La0.7Sr0.3MnO3 and Pt/La0.7Sr0.3MnO3 for Generation and Registration of Spin Current	Journal of Surface Investigation	2024	10.1134/S1027451024010336
Single photon emission of “silicon-vacancy” centers in nanodiamonds placed in cylindrical pits on a gold film; [Флуоресценция одиночных центров окраски «кремний-вакансия» в наноалмазах в цилиндрических углублениях на золотой пленке]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.171.116
Nickel-Related Centers in HPHT Microdiamonds for Near-Infrared Luminescent Thermometry	Physica Status Solidi - Rapid Research Letters	2024	10.1002/pssr.202300277
Dynamics of generalized Lagrange top	AIP Conference Proceedings	2024	10.1063/5.0193828
Scaling theory of fibrin polymerization	Physical Review E	2024	10.1103/PhysRevE.110.L062501
The Maslov index for composite power-law potentials: The case of the first Exton potential	Annals of Physics	2024	10.1016/j.aop.2023.169554
Zeta Regularization in the Chiral Separation Effect	JETP Letters	2024	10.1134/S0021364024601106
Experimental Investigation of Topological Property of Degenerate Singularities in Rescattering Processes	Springer Proceedings in Physics	2024	10.1007/978-3-031-47938-0_13
Effective graviton mass in de Sitter space	Physical Review D	2024	10.1103/PhysRevD.109.085001
Thermalization rate of polaritons in strongly-coupled molecular systems	Nanophotonics	2024	10.1515/nanoph-2023-0800
Is the Euclidean path integral always equal to the thermal partition function?	Journal of High Energy Physics	2024	10.1007/JHEP04(2024)077
Alternative Idea About the Source of the Baryon Asymmetry of the Universe	JETP Letters	2024	10.1134/S0021364024603312
High-q resonances in silicon nanoparticle coupled to nanopit	Optical and Quantum Electronics	2024	10.1007/s11082-024-06773-1
High-harmonic spectroscopy of impulsively aligned 1,3-cyclohexadiene: Signatures of attosecond charge migration	Structural Dynamics	2024	10.1063/4.0000227
Tri-vector deformations with external fluxes	European Physical Journal C	2024	10.1140/epjc/s10052-024-13688-4
Critical behavior of pulse parameters in heavily-doped erbium fiber lasers	Proceedings of SPIE - The International Society for Optical Engineering	2024	10.1117/12.3036088
Nanocomposite Structure Formation Under Laser Emission	Russian Physics Journal	2024	10.1007/s11182-024-03177-2
Room-temperature optomechanics with light-matter condensates	Physical Review B	2024	10.1103/PhysRevB.110.134321
Дзета-регуляризация в эффекте разделения киральностей	Письма в Журнал экспериментальной и теоретической физики	2024	

Parylene-MoOx crossbar memristors as a volatile reservoir and non-volatile readout: a homogeneous reservoir computing system	Nanoscale	2024	10.1039/d4nr03368j
МЕХАНИЧЕСКИЕ СВОЙСТВА ИНДИВИДУАЛЬНЫХ ПОРИСТЫХ ЧАСТИЦ ХИТОЗАНА: НАТУРНЫЙ ЭКСПЕРИМЕНТ И КОНЕЧНО-ЭЛЕМЕНТНОЕ МОДЕЛИРОВАНИЕ	Российские нанотехнологии	2024	
Control and readout of a transmon using a compact superconducting resonator	Applied Physics Letters	2024	10.1063/5.0194276
Использование сеточно-характеристического метода на химерных сетках для исследования морфометрических характеристик киля тороса	Радиоэлектроника. Наносистемы. Информационные технологии	2024	
Acquiring elastic properties of thin composite structure from vibrational testing data	Journal of Inverse and Ill-Posed Problems	2024	10.1515/jiip-2022-0081
Numerical Schemes of Higher Approximation Orders for Dynamic Problems of Elastoviscoplastic Media	Journal of Siberian Federal University - Mathematics and Physics	2024	
Iterative PDE-Constrained Optimization for Seismic Full-Waveform Inversion	Computational Mathematics and Mathematical Physics	2024	10.1134/S0965542524700192
Computational Analysis of Hemodynamic Indices in Multivessel Coronary Artery Disease in the Presence of Myocardial Perfusion Dysfunction	Computation	2024	10.3390/computation12060110
Dual-Pass Feature-Fused SSD Model for Detecting Multi-Scale Vehicles on the Construction Site	Scientific Visualization	2024	10.26583/sv.16.2.11
Physically Informed Deep Learning Technique for Estimating Blood Flow Parameters in Four-Vessel Junction after the Fontan Procedure	Computation	2024	10.3390/computation12030041
Повышение порядка аппроксимации расчетов волновых процессов в композитном образце при использовании неструктурированной расчетной сетки	Прикладная механика и техническая физика	2024	
Application of Convolutional Networks for Localization and Prediction of Scalar Parameters of Fractured Geological Inclusion	International Journal of Applied Mechanics	2024	10.1142/S1758825124500649
Разработка средства оптимизации встраиваемого ПО на базе автонастройки перестановкой оптимизационных проходов современного компилятора GCC	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Explicit–Implicit Schemes for Calculating Dynamics of Elastoviscoplastic Media with Softening	Differential Equations	2024	10.1134/S0012266124060077
Boundary Conforming Chimera Meshes to Account for Surface Topography and Curved Interfaces in Geological Media	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224010141
Experimental Data Compression for GPU-Based Solution of Inverse Coefficient Problem for Vibrational Testing Data	Communications in Computer and Information Science	2024	10.1007/978-3-031-52470-7_24

Dynamic Processes Calculation in Composites Considering Internal Structure Using the Grid-Characteristic Method	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224010438
Numerical Modeling of Water Ice Impact Destruction	Communications in Computer and Information Science	2024	10.1007/978-3-031-52470-7_20
The grid-characteristic method on chimeric meshes application to study the keel morphometric characteristics of ice ridges	Radioelektronika, Nanosistemy, Informacionnye Tehnologii	2024	10.17725/j.rensit.2024.16.137
INCREASE IN APPROXIMATION ORDER OF CALCULATIONS OF WAVE PROCESSES IN A COMPOSITE SAMPLE WHEN USING AN UNSTRUCTURED COMPUTATIONAL GRID	Journal of Applied Mechanics and Technical Physics	2024	10.1134/S0021894424030143
A Large-Scale Empirical Study of Aligned Time Series Forecasting	IEEE Access	2024	10.1109/ACCESS.2024.3458391
Effect of Stabilizer Concentration on Parameters of Poly(D,L-lactide-co-glycolide) Nanoparticles Produced by Nanoprecipitation	Colloid Journal	2024	10.1134/S1061933X24600921
Определение границы раздела сред по трёхмерным данным матричного ультразвукового датчика с использованием свёрточных нейронных сетей	Computational Mathematics and Information Technologies	2024	
Integrated Circuits for Quantum Machine Learning Based on Superconducting Artificial Atoms and Methods of Their Control	Radiophysics and Quantum Electronics	2024	10.1007/s11141-024-10342-7
Photoinduced Toxicity Caused by Gold Nanozymes and Photodynamic Dye Encapsulated in Submicron Polymer Shell	Particle and Particle Systems Characterization	2024	10.1002/ppsc.202300149
Resonant Rotations of a Dynamically Symmetric Satellite with a Ball Damper in a Circular Orbit	Mechanics of Solids	2024	10.1134/S0025654424602908
Humanoid robot with four cylindrical studs at sole: Friction on artificial grass	AIP Conference Proceedings	2024	10.1063/5.0193822
On the dynamics and integrability of the Ziegler pendulum	Nonlinear Dynamics	2024	10.1007/s11071-024-09444-8
The potential of methioninase for cancer treatment	Biochimica et Biophysica Acta - Reviews on Cancer	2024	10.1016/j.bbcan.2024.189122
Development of Neuroprotective Agents for the Treatment of Alzheimer's Disease using Conjugates of Serotonin with Sesquiterpene Lactones	Current Medicinal Chemistry	2024	10.2174/0929867330666221125105253
Fast Parallel Solver of Time-harmonic Wave Equation with Topography	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224010542
Junction conditions for one-dimensional network hemodynamic model for total cavopulmonary connection using physically informed deep learning technique	Russian Journal of Numerical Analysis and Mathematical Modelling	2024	10.1515/rnam-2024-0023
Model of fractured medium and nondestructive control of composite materials	Chinese Journal of Aeronautics	2024	10.1016/j.cja.2023.11.023
Numerical Schemes of Higher Approximation Orders for Dynamic Problems of Elastoviscoplastic Media	J SIB FED UNIV-MATH	2024	
Numerical Modeling of Fracturing in Fiber Reinforced Polymers with Grid-characteristic Method	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224010062

Simulation of railway traffic using the grid-characteristic method in permafrost conditions along the qinghai-tibet railway	Radioelektronika, Nanosistemy, Informacionnye Tehnologii	2024	10.17725/j.rensit.2024.16.1075
Анализ использования одномерных сетевых моделей кровотока для оценки гемодинамических коэффициентов в стенозированных коронарных артериях	Прикладная механика и техническая физика	2024	
Gas Suction Effect on the Crossflow Instability in Flow Past a Swept Wing	Fluid Dynamics	2024	10.1134/S0015462824600202
Leveraging OpenMP Tasks for Efficient Parallel Modeling of the Elastic Eave Propagation in Multi-mesh Problems	Supercomputing Frontiers and Innovations	2024	10.14529/jsfi240407
Simulation of Seismic Processes with High-Order Grid-Characteristic Methods	Supercomputing Frontiers and Innovations	2024	10.14529/jsfi240401
PDE-constrained Optimization for Electroencephalographic Source Reconstruction	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224603266
USE OF ONE-DIMENSIONAL NETWORK MODELS OF BLOOD FLOW TO ASSESS HEMODYNAMIC INDICES IN STENOTIC CORONARY ARTERIES	Journal of Applied Mechanics and Technical Physics	2024	10.1134/S0021894424030180
Stochastic perturbations in the semi-Lagrangian advection algorithm of the SL-AV global atmosphere model	Russian Journal of Numerical Analysis and Mathematical Modelling	2024	10.1515/rnam-2024-0001
Correcting charge distribution in reduced Li-molecule pair for computational screening of battery solvents	Journal of Computational Chemistry	2024	10.1002/jcc.27229
Kilogauss magnetic field and jet dynamics in the quasar NRAO 530	ASTRON ASTROPHYS	2024	
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
Физико-математическое моделирование влияния случайно-статистических факторов на движение дисперсных частиц в двухфазном потоке	Теплофизика и аэромеханика	2024	
Расчетно-экспериментальное исследование влияния газодинамических факторов на случайно-статистическое распределение частиц в двухфазном высокоскоростном потоке	Труды МАИ	2024	
Carbon-Containing Cathodes: Field Emission and Structural Characteristics, Stability and Efficiency of Application	2024 Joint International Vacuum Electronics Conference and International Vacuum Electron Sources Conference, IVEC + IVESC 2024	2024	10.1109/IVECIVESC60838.2024.10694930
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
Исследование флуктуаций автоэмиссионного тока катодов из ПАН углеродных волокон	Журнал радиоэлектроники	2024	
Demonstration of a parity-time-symmetry-breaking phase transition using superconducting and trapped-ion qutrits	Physical Review A	2024	10.1103/PhysRevA.109.032619

Tunable compact on-chip superconducting switch	Physical Review Applied	2024	10.1103/PhysRevApplied.21.024059
Kinemon: An inductively shunted transmon artificial atom	Physical Review Applied	2024	10.1103/PhysRevApplied.21.024058
Evolution of Propagating Coherent Pulses Driving a Single Superconducting Artificial Atom	Physical Review Letters	2024	10.1103/PhysRevLett.133.073602
Dynamics and resonance fluorescence from a superconducting artificial atom doubly driven by quantized and classical fields	Physical Review Research	2024	10.1103/PhysRevResearch.6.033064
Hybrid quantum learning with data reuploading on a small-scale superconducting quantum simulator	Physical Review A	2024	10.1103/PhysRevA.109.012411
The SLAV072L96 Model for Long-range Meteorological Forecasts	Russian Meteorology and Hydrology	2024	10.3103/S1068373924070021
Computer Simulation of Train Movement by Grid-Characteristic Method	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224010281
Synthetic pulse wave dataset for analysis of vascular ageing in elderly patients	Mathematical Modelling of Natural Phenomena	2024	10.1051/mmnp/2024017
In the Quest for Scale-optimal Mappings	ACM Transactions on Graphics	2024	10.1145/3627102
HPC Optimization Algorithm for Assessing Haemodynamic Parameters in Synthetic Patient Cohorts	Supercomputing Frontiers and Innovations	2024	10.14529/jsfi240408
Simulation of the Process of Collision of the Lower Part of Ice-breaking Ship with an Edge of an Ice Field	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224600377
Explicit-Implicit Numerical Scheme for Problems in the Dynamics of Elastoviscoplastic Media with Softening	Computational Mathematics and Mathematical Physics	2024	10.1134/S0965542524701069
Physically Informed Deep Learning Technique for Estimating Blood Flow Parameters in Arterial Bifurcations	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224010219
Parallelization Strategies for Ultrasonic Wave Propagation in Composite Materials Considering Microstructural Details	Supercomputing Frontiers and Innovations	2024	10.14529/jsfi240406
Numerical Modeling of Complex Geometry Thin Composite Structures under Vibrational Testing	Supercomputing Frontiers and Innovations	2024	10.14529/jsfi240402
Численное моделирование неустойчивости сверхзвукового пограничного слоя в окрестности линии растекания	Ученые записки ЦАГИ	2024	
Development of the Next-generation Atmosphere Dynamics Model in Russia: Current State and Prospects	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224603746
Exploring the Efficiency of Neural Networks for Solving Dynamic Process Problems: The Fisher Equation Investigation	Studies in Computational Intelligence	2024	10.1007/978-3-031-50381-8_53
Verification of the modeling results of oscillations of an elastic-supported system with displacement limiters under moving load	Australian Journal of Structural Engineering	2024	10.1080/13287982.2023.2214414
Numerical Simulation of the Interaction between Weak Shock Waves and Supersonic Boundary Layer on a Flat Plate with the Blunt Leading Edge	Fluid Dynamics	2024	10.1134/S0015462823603236

Improving Performance of SLAV Model for Medium Range Weather Prediction	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224603874
Age-Specific Approach to Arterial Stiffness Prediction in Apparently Healthy Patients	Journal of Clinical Medicine Research	2024	10.14740/jocmr5271
A surrogate neural network model for resolving the flow field in serial calculations of steady turbulent flows with a resolution of the nearwall region; [Суррогатная нейросетевая модель для восстановления поля течения в серийных расчетах стационарных турбулентных течений с разрешением пристенной области]	Computer Research and Modeling	2024	10.20537/2076-7633-2024-16-5-1195-1216
Излучение нанокластерных покрытий из оксида тантала при высоких температурах	Ядерная физика и инжиниринг	2024	
Theory based recommendations to the resistive wall mode stability studies in tokamaks	Physics of Plasmas	2024	10.1063/5.0176392
Virial relations for elongated plasmas in tokamaks: Analytical approximations and numerical calculations	Physics of Plasmas	2024	10.1063/5.0221175
A wiggling filamentary jet at the origin of the blazar multi-wavelength behaviour	Astronomy and Astrophysics	2024	10.1051/0004-6361/202452311
Computationally Efficient Tensor-Based MIMO Precoder	2024 IEEE International Multi-Conference on Engineering, Computer and Information Sciences, SIBIRCON 2024	2024	10.1109/SIBIRCON63777.2024.10758516
Broadband Wireless Networks Based on Tethered High-Altitude Unmanned Platforms	Communications in Computer and Information Science	2024	10.1007/978-3-031-61835-2_8
Batch Service Polling System: Mathematical Analysis and Simulation Modeling	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_12
Regularized Cholesky decomposition method for REGULARIZED CHOLESKY DECOMPOSITION METHOD FOR FINITE BIT WIDTH COMPUTING	Siberian Electronic Mathematical Reports	2024	10.33048/semi.2024.21.A04
Environment-Specific Ray-Tracing Channel Modeling in Massive MIMO Systems	2024 26th International Conference on Digital Signal Processing and its Applications, DSPA 2024	2024	10.1109/DSPA60853.2024.10510071
On Multiple Bit-Width IRC Receiver Optimization by Genetic Approach	2024 26th International Conference on Digital Signal Processing and its Applications, DSPA 2024	2024	10.1109/DSPA60853.2024.10510061
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
A Comprehensive Literature Review on Image and Video Compression: Trends, Algorithms, and Techniques	Ingenierie des Systemes d'Information	2024	10.18280/isi.290307

Magnetisation control of the nematicity direction and nodal points in a superconducting doped topological insulator	Journal of Physics Condensed Matter	2024	10.1088/1361-648X/ad6e49
Manifestation of Layer-by-Layer Localization of van Hove Singularities in Tunneling between Bilayer Graphene Sheets	JETP Letters	2024	10.1134/S0021364024604019
Evidence for electron–hole crystals in a Mott insulator	Nature Materials	2024	10.1038/s41563-024-01910-3
Multiwavelength variability of the blazar AO 0235+164	Monthly Notices of the Royal Astronomical Society	2024	10.1093/mnras/stae2491
Dynamics of the Plasma Ejection Structure in Laboratory Modeling of Young Star Jets at Plasma Focus Facilities	Astronomy Reports	2024	10.1134/S1063772924700355
Multiband cross-correlated radio variability of the blazar 3C 279	Monthly Notices of the Royal Astronomical Society	2024	10.1093/mnras/stad3583
High-energy neutrino-induced cascade from the direction of the flaring radio blazar TXS 0506 + 056 observed by Baikal-GVD in 2021	Monthly Notices of the Royal Astronomical Society	2024	10.1093/mnras/stad3653
Enhancing Versatile Video Coding Efficiency via Post-Processing of Decoded Frames Using Residual Network Integration in Deep Convolutional Neural Networks	2024 26th International Conference on Digital Signal Processing and its Applications, DSPA 2024	2024	10.1109/DSPA60853.2024.10510065
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
Optimizing H.266/VVC Intra Coding with a Genetic Algorithm: Balancing Speed and Quality	Fusion: Practice and Applications	2024	10.54216/FPA.150201
Quasi-regular formation of rogue waves in gyrotrons due to periodic injection of electron beams	Physics of Plasmas	2024	10.1063/5.0206128
Modulation of polyaniline memristive device switching voltage by nucleotide-free analogue of vitamin B12	Nanotechnology	2024	10.1088/1361-6528/ad4cf5
Influence of Gamma Radiation on the Stability and Properties of Poly(Lactide-Glycolide) Nanoparticles in an Aqueous Dispersion	Nanobiotechnology Reports	2024	10.1134/S2635167624601086
Molecular beam epitaxy of Pd-Fe graded alloy films for standing spin waves control	Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films	2024	10.1116/6.0003721
Intertype superconductivity evoked by the interplay of disorder and multiple bands	FRONT PHYS-BEIJING	2024	
Effective removal of global tilt from atomically-resolved topography images of vicinal surfaces with narrow terraces	Ultramicroscopy	2024	10.1016/j.ultramic.2024.114053
Energy Levels of Conduction Electrons in Nickel Nanocluster	Lecture Notes in Networks and Systems	2024	10.1007/978-3-031-70285-3_59
Semi-phenomenological Approach to the Description of Metal Nanoclusters	Lecture Notes in Networks and Systems	2024	10.1007/978-3-031-70285-3_58
Distributed Sensor-Assisted DNN-Based Massive-MIMO Channel Reconstruction	5th International Science and Technology Conference Modern Network Technologies, MoNeTec 2024 - Proceedings	2024	10.1109/MoNeTec60984.2024.10768110
Semi-phenomenological Approach to the Description of Gold Nanoclusters	Lecture Notes in Networks and Systems	2024	10.1007/978-3-031-70595-3_6

SERS analysis of single cells and subcellular components: A review	Heliyon	2024	10.1016/j.heliyon.2024.e37396
Derivation of the Effective Refractive Index of Interacting Doped Nanoparticles	Lecture Notes in Networks and Systems	2024	10.1007/978-3-031-70285-3_57
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
Round-Off Error Analysis in mMIMO Detector Based on Cholesky Decomposition	IEEE Wireless Communications Letters	2024	10.1109/LWC.2023.3327177
Core shift in parabolic accelerating jets	Monthly Notices of the Royal Astronomical Society	2024	10.1093/mnras/stae179
icecube AGN neutrino candidate PKS 1717+177: dark deflector bends nuclear jet	Monthly Notices of the Royal Astronomical Society	2024	10.1093/mnras/stae2373
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
On the M87 jet structure near the central engine	Monthly Notices of the Royal Astronomical Society	2024	10.1093/mnras/stae447
Distance and relative speed estimation of vehicles moving in the same direction	Conference Proceedings - 8th Scientific School "Dynamics of Complex Networks and their Applications", DCNA 2024	2024	10.1109/DCNA63495.2024.10718489
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
Градиентные методы для минимизационных задач с условием Поляка - Лоясиевича: относительная погрешность градиента и адаптивный подбор параметров	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Self-consistent numerical model of mosquito dynamics with specified kinematic parameters of wing movement	Communications in Nonlinear Science and Numerical Simulation	2024	10.1016/j.cnsns.2024.108032
Study of the influence of astrocytic modulation of STDP on the sensitivity of synapses to spatiotemporal patterns	Proceedings - 6th International Conference "Neurotechnologies and Neurointerfaces", CNN 2024	2024	10.1109/CNN63506.2024.10705852
Astrocyte control bursting mode of spiking neuron network with memristor-implemented plasticity	Chaos, Solitons and Fractals	2024	10.1016/j.chaos.2024.114648
Conceptual model of a robotic bird with independent flapping wings and adjustable wingspan	Proceedings - 6th International Conference "Neurotechnologies and Neurointerfaces", CNN 2024	2024	10.1109/CNN63506.2024.10705850
Astrocyte Controlled SNN Dynamic Induced by Sensor Input	Communications in Computer and Information Science	2024	10.1007/978-3-031-52470-7_23
Study of the influence of synaptic plasticity on the formation of a feature space by a spiking neural network	Izvestiya Vysshikh Uchebnykh Zavedeniy. Prikladnaya Nelineynaya Dinamika	2024	10.18500/0869-6632-003092
Astrocytic modulation of the dynamics of two coupled central pattern generators	Proceedings - 6th International Conference "Neurotechnologies and Neurointerfaces", CNN 2024	2024	10.1109/CNN63506.2024.10705817

Bridging nonlinear dynamics and physiology: Implications for CPGs and biomimetic robotics. Reply to comments on “Control of movement of underwater swimmers: Animals, simulated animates and swimming robots”	Physics of Life Reviews	2024	10.1016/j.plrev.2024.05.005
Evaluation of the age-specific relationship between PTH and vitamin D metabolites	Bone Reports	2024	10.1016/j.bonr.2024.101800
The genome of the toxic invasive species Heracleum sosnowskyi carries an increased number of genes despite absence of recent whole-genome duplications	Plant Journal	2024	10.1111/tpj.16500
The 1% gift to humanity: The Human Genome Project II	Cell Research	2024	10.1038/s41422-024-01026-y
Reimagining Intent Prediction: Insights from Graph-Based Dialogue Modeling and Sentence Encoders	2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation, LREC-COLING 2024 - Main Conference Proceedings	2024	
Современные достижения в использовании нейронных сетей для повышения эффективности методов управления с прогнозирующей моделью	Промышленные АСУ и контроллеры	2024	
Применение технологий искусственного интеллекта при обработке изображений с фотоловушек: 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
ДИНАМИКА СТРУКТУРЫ ПЛАЗМЕННОГО ВЫБРОСАПРИ ЛАБОРАТОРНОМ МОДЕЛИРОВАНИИ ДЖЕТОВМОЛОДЫХ ЗВЕЗД НА УСТАНОВКАХ ПЛАЗМЕННОГО ФОКУСА	Астрономический журнал	2024	
Исследование влияния вынужденных акустических колебаний на окисление метана в канале постоянного сечения энергосиловой установки	Вестник Московского авиационного института	2024	
Спутниковое картирование динамики "островов тепла" г. Санкт-Петербурга	Вестник СГУГиТ (Сибирского государственного университета геосистем и технологий)	2024	
Моделирование пропитки пористой среды с помощью двумерной сетевой модели	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Luminescence of silver, thulium and ytterbium doped oxyfluoride glasses	Pure and Applied Chemistry	2024	10.1515/pac-2023-1106

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
Determining mixed forest species composition based on joint processing of public satellite maps and multi-temporal Sentinel-2 images; [Определение видового состава смешанного леса на основе совместной обработки публичных спутниковых карт и многовременных изображений Sentinel-2]	Sovremennye Problemy Distantsionnogo Zondirovaniya Zemli iz Kosmosa	2024	10.21046/2070-7401-2024-21-1-31-50
ОБЗОР ПРОГРАММНОГО ОБЕСПЕЧЕНИЯ ДЛЯ ОБРАБОТКИ И АНАЛИЗА ДАННЫХ С ФОТОЛОВУШЕК: НЕЙРОННЫЕ СЕТИ И ВЕБ-СЕРВИСЫ	Russian Journal of Ecosystem Ecology	2024	
Особенности изготовления микрорезонаторов с модами типа шепчущей галереи из аморфных материалов	Оптика и спектроскопия	2024	
Development of Monitoring Service for BM@N Information Systems	Physics of Particles and Nuclei Letters	2024	10.1134/S1547477124701371
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
Оптимальное планирование работы измерительных средств при сборе координатной информации о космических объектах	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
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
Effect of Gravity Orientation on Flickering Characteristics of Premixed Conical Flame	Microgravity Science and Technology	2024	10.1007/s12217-023-10088-3
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

STUDY OF THE STRAIN ANISOTROPY AND BOND STIFFNESS OF HIGH-DENSITY CARBON MATERIALS: DIAMOND AND Pn-C10; [ИССЛЕДОВАНИЕ АНИЗОТРОПИИ ДЕФОРМАЦИИ И ЖЕСТКОСТИ СВЯЗЕЙ ВЫСОКОПЛОТНЫХ УГЛЕРОДНЫХ МАТЕРИАЛОВ: АЛМАЗА И Pn-C10]	ChemChemTech	2024	10.6060/ivkkt.20246710.9y
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 эндофуллерена H_{2O}@C₆₀	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
GPU-based molecular dynamics of fluid flows: Reaching for turbulence	International Journal of High Performance Computing Applications	2024	10.1177/10943420231213013
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 EuAl3(BO3)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
Influence of Nuclear Quantum Effects on the Vibrational Spectrum and Structure of H2O@C60 Endofullerene	JETP Letters	2024	10.1134/S0021364024601325
Nuclear Charge Radii of Silicon Isotopes	Physical Review Letters	2024	10.1103/PhysRevLett.132.162502
Влияние корреляций нелинейного шума на дальность передачи	Журнал технической физики	2024	
Deuteron Spin-Flip System Based on Quadrupole Correctors of the Nuclotron (JINR)	Physics of Particles and Nuclei	2024	10.1134/S1063779624700096
Cage-like micro-scaffolds fabricated by DLW method for cell investigation	Photonics and Nanostructures - Fundamentals and Applications	2024	10.1016/j.photonics.2024.101321

Training of Machine Learning Potentials for the Modeling of Nucleation in Graphite	Journal of Structural Chemistry	2024	10.1134/S0022476624040188
Свойства криптона при ударно-волновом и квазиизэнтропическом сжатиях в области давлений до 2700 ГПа	Письма в Журнал экспериментальной и теоретической физики	2024	
Development of Next-Generation Event Visualization Platform for the BM@N Experiment	Physics of Particles and Nuclei Letters	2024	10.1134/S1547477124701358
Magnetospheric Electron Precipitation Recorded in the Atmosphere at Middle and Polar Latitudes in 2022–2023	Cosmic Research	2024	10.1134/S0010952524600446
Ultrafast dynamics of excitons and charge carriers in Van der Waals WS2 nanotubes	Materials Today Chemistry	2024	10.1016/j.mtchem.2023.101886
Enhancing the capabilities of generating THz vortices by utilizing advanced spiral zone plates based on carbon nanotubes	2024 International Conference Laser Optics, ICLO 2024 - Proceedings	2024	10.1109/ICLO59702.2024.10624555
Compensation of the Effect of the Imperfection of the Nuclotron/JINR Lattice on the Proton Polarization near an Integer Spin Resonance (Brief Review)	JETP Letters	2024	10.1134/S0021364024603695
Study of polysterene based scintillator ageing in the DANSS experiment	Journal of Instrumentation	2024	10.1088/1748-0221/19/04/P04031
Expanding THz Vortex Generation Functionality with Advanced Spiral Zone Plates Based on Single-Walled Carbon Nanotube Films	Advanced Optical Materials	2024	10.1002/adom.202303282
Nonlinear response of magnetization obeying inertial dynamics to superimposed dc and ac fields and dynamic magnetic hysteresis	AIP Advances	2024	10.1063/5.0191413
An improved limit on the neutrinoless double-electron capture of 36 Ar with GERDA	European Physical Journal C	2024	10.1140/epjc/s10052-023-12280-6
3D Microstructures for Introducing Radiation into Photonic Integrated Circuits	Bulletin of the Russian Academy of Sciences: Physics	2024	10.1134/S1062873824708626
Modeling of Filtration and Scattered Fracture in Fractured Zones with Abnormally High Formation Pressure	Izvestiya, Physics of the Solid Earth	2024	10.1134/S1069351324700186
A physics-inspired neural network for short-wave radiation parameterization	Journal of Inverse and Ill-Posed Problems	2024	10.1515/jiip-2023-0075
Methacrylate-Containing Para-Derivatives of N,N-Diethyl-4-(phenyldiazenyl)aniline as Initiators in Two-Photon Polymerization	High Energy Chemistry	2024	10.1134/S0018143924700115
Simulation of an Ohmic Regime in the T-15MD Tokamak Based on the Canonical Profile Transport Model	Plasma Physics Reports	2024	10.1134/S1063780X24600208
Temperature, humidity, and ionisation effect of iodine oxoacid nucleation	Environmental Science: Atmospheres	2024	10.1039/d4ea00013g
Experimental and Numerical Study of Damage Caused by High-Current Electron Beam to Construction Materials Intended for the First Wall of Powerful Plasma Installations	Journal of Surface Investigation	2024	10.1134/S1027451024700800

Towards effective information content assessment: Analytical derivation of information loss in the reconstruction of random fields with model uncertainty	Physica A: Statistical Mechanics and its Applications	2024	10.1016/j.physa.2023.129400
Особенности засветки бленды солнечным излучением, отраженным от поверхности Земли	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Molecular-level insights to structure and hydrogen bonds network of 1,4-dioxane aqueous solution	Journal of Molecular Liquids	2024	10.1016/j.molliq.2023.123523
Evaluation of three-point correlation functions from structural images on CPU and GPU architectures: Accounting for anisotropy effects	Physical Review E	2024	10.1103/PhysRevE.110.045306
Hyperpolarization of Nuclei by the Method of Spin-Exchange Optical Pumping	Physics of Particles and Nuclei	2024	10.1134/S1063779624030420
Numerical simulation of laminar-turbulent transition in a supersonic boundary layer under the action of acoustic disturbances	International Journal of Heat and Mass Transfer	2024	10.1016/j.ijheatmasstransfer.2023.124895
Comparison of Energy Transport in Plasma with ECR Heating on the L-2M Stellarator and T-10 Tokamak	Plasma Physics Reports	2024	10.1134/S1063780X24600403
Characteristics of the Optical System of the Solntse–Terahertz Scientific Equipment	Cosmic Research	2024	10.1134/S0010952524600434
Датчик вибрации на основе оптоволоконной структуры одномод-многомод с торцом, покрытым золотом	Сейсмические приборы	2024	
Перспективы применения радиофотоники в наземных РЛС дальнего обнаружения	Наукоемкие технологии	2024	
Search for X (1870) via the decay J/ψ →ωK+K-η	Physical Review D	2024	10.1103/PhysRevD.110.052005
R (3780) Resonance Interpreted as the 1 D1 3 -Wave Dominant State of Charmonium from Precise Measurements of the Cross Section of e+e-→hadrons	Physical Review Letters	2024	10.1103/PhysRevLett.133.241902
Extracting the femtometer structure of strange baryons using the vacuum polarization effect	Nature Communications	2024	10.1038/s41467-024-51802-y
Search for the rare decay J/ψ →γD0+ c. c. at BESIII	Physical Review D	2024	10.1103/PhysRevD.110.112012
Strong and Weak CP Tests in Sequential Decays of Polarized ς0 Hyperons	Physical Review Letters	2024	10.1103/PhysRevLett.133.101902
Observation of the singly Cabibbo-suppressed decay Λc+ → ς-K+π+	Physical Review D	2024	10.1103/PhysRevD.109.L071103
First observation of the decay Λc+ →n KS0 π+π0	Physical Review D	2024	10.1103/PhysRevD.109.053005
Coupled-Channel Analysis of the χc1 (3872) Line Shape with BESIII Data	Physical Review Letters	2024	10.1103/PhysRevLett.132.151903
Search for the light hadron decay χc1 (3872) →π+π-η	Physical Review D	2024	10.1103/PhysRevD.109.L011102

Study of the decays χcJ → Λ Λ ¯ ω	Physical Review D	2024	10.1103/PhysRevD.110.032022
Photodetection performance of TiS3 nanoribbons studied by optical pump: terahertz probe spectroscopy	Optical Materials Express	2024	10.1364/OME.515658
Fast liquid-free patterning of SWCNT films for electronic and optical applications	Chemical Engineering Journal	2024	10.1016/j.cej.2024.149733
Wettability Alteration in Gas Condensate Reservoirs: A Critical Review of the Opportunities and Challenges	Energy and Fuels	2024	10.1021/acs.energyfuels.3c03515
Outflow of high-enthalpy gas jet from slotted channel of plasma torch; [Истечение высокоэнтальпийной струи газа из щелевого канала плазмотрона]	Applied Physics	2024	10.51368/1996-0948-2024-2-72-78
Evaluation of classical correlation functions from 2/3D images on CPU and GPU architectures: Introducing CorrelationFunctions.jl	Computer Physics Communications	2024	10.1016/j.cpc.2024.109134
In search for representative elementary volume (REV) within heterogeneous materials: A survey of scalar and vector metrics using porous media as an example	Advances in Water Resources	2024	10.1016/j.advwatres.2024.104762
Influence of plasma treatment on the oxygen reduction reaction performance of graphene-based materials	Journal of Electroanalytical Chemistry	2024	10.1016/j.jelechem.2024.118091
3D Laser Lithography Technique in the Fabrication of a Coherent 2D Kinoform X-ray Lens	Bulletin of the Lebedev Physics Institute	2024	10.3103/S1068335624601456
Peeling away surface neutrons from 209 Bi in asymmetric collisions	International Journal of Modern Physics E	2024	10.1142/S0218301324410271
Thermodynamic Simulation of the Composition of the Major Background Ions in Low-Temperature (“Cold”) Inductively Coupled Plasma	Journal of Analytical Chemistry	2024	10.1134/S1061934824700424
A methodology of cooperative driving based on microscopic traffic prediction	Physica A: Statistical Mechanics and its Applications	2024	10.1016/j.physa.2024.129780
Superdispersive plasmonic metamaterial	Physical Review Applied	2024	10.1103/PhysRevApplied.21.034041
Study of Reflection and Transmission Spectra of Arrays of Heterogeneous Ferromagnetic Nanowires in the Terahertz and Far Infrared Ranges	Technical Physics	2024	10.1134/S1063784224020130
Автоматическая настройка ПИД-регулятора с применением машинного обучения для обеспечения стабильной работы автономных электронных систем при термоциклировании	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Improving the accuracy of measurements of the bistatic scattering characteristics of material samples of various configurations	Measurement Techniques	2024	10.1007/s11018-024-02367-1
Millifluidic polyol synthesis of Ag nanowires and microplotter printing of transparent conductive films; [Миллифлюидный полиольный синтез серебряных нанопроволок и микроплоттерная печать прозрачных электродов на их основе]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.173.214

Исследование сверхпроводящих линий передачи на основе NbTiN/Al и накачки СИС-переходов Nb/AlN/NbN в частотном диапазоне выше 1 THz	Физика твердого тела	2024	
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
Velocity of Plasma Rotation in Reflex Discharge with Themionic Cathode	Technical Physics	2024	10.1134/S1063784224020245
Solutions to graded reflection equation of GL-type	LETT MATH PHYS	2024	
Study of the Oxygen Defects Influence on Optoelectronic Properties of Single-Walled Carbon Nanotubes	2024 International Conference Laser Optics, ICLO 2024 - Proceedings	2024	10.1109/ICLO59702.2024.10624232
The Role of Covariancy in Calculating Capacity of Quantum Channels Generated by Projective Unitary Representations of Non-Abelian Groups	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224603102
Correction to: The σ− Cohomology Analysis for Symmetric Higher-Spin Fields (Symmetry, (2021), 13, 8, (1498), 10.3390/sym13081498)	Symmetry	2024	10.3390/sym16091115
Образовательные модели формирования математической грамотности	Вестник Томского государственного педагогического университета	2024	
Continuity of the relative entropy of resource	International Journal of Quantum Information	2024	10.1142/S0219749924400094
The Mean-Field Approximation for the SCARDO Model in the Case of 3-element Opinion Space: Fixed Points and Exact Solutions	Advances in Systems Science and Applications	2024	10.25728/assa.2024.2024.02.1609
Asymptotics of the eigenvalues of seven-diagonal Toeplitz matrices of a special form	Advances in Operator Theory	2024	10.1007/s43036-024-00374-1
Computational modeling of polygonal cracks	Acta Astronautica	2024	10.1016/j.actaastro.2024.01.023
О ВЛИЯНИИ НЕУСТОЙЧИВОСТИ РЭЛЕЯ-ТЕЙЛОРА НА ФОРМИРОВАНИЕ ПЫЛЕВЫХ ОБЛАКОВ В МЕЗОСФЕРЕ МАРСА	Астрономический вестник. Исследования Солнечной системы	2024	
Shortest Curves in Proximally Smooth Sets: Existence and Uniqueness	Set-Valued and Variational Analysis	2024	10.1007/s11228-024-00735-1
Quasiclassical integrability condition in AKNS scheme	Physica D: Nonlinear Phenomena	2024	10.1016/j.physd.2024.134085
Quantum Law of Large Numbers for Banach Spaces	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224603114
Propagation of dark solitons of DNLS equations along a large-scale background	Wave Motion	2024	10.1016/j.wavemoti.2024.103349
Региональные этапы Всероссийской олимпиады школьников по математике и олимпиады им. Л. Эйлера 2022/2023 учебного года (Первый день)	Математика в школе	2024	
Optimal control in opinion dynamics models: diversity of influence mechanisms and complex influence hierarchies	Chaos, Solitons and Fractals	2024	10.1016/j.chaos.2024.114728

Differences with high probability and impossible differentials for the KB-256 cipher	Journal of Computer Virology and Hacking Techniques	2024	10.1007/s11416-024-00532-2
On Surjective Quadratic Maps from to	Lobachevskii Journal of Mathematics	2024	10.1134/S1995080224602844
Inflation in simple one-loop effective potentials of perturbative quantum gravity	International Journal of Modern Physics D	2024	10.1142/S0218271824500287
Generalized Coherent States and Random Shift Operators	Proceedings of the Steklov Institute of Mathematics	2024	10.1134/S0081543824010127
ФАЗОВЫЕ ДИАГРАММЫ РЕДКОЗЕМЕЛЬНЫХ ФЕРРИМАГНЕТИКОВ С ПОВЕРХНОСТНОЙ АНИЗОТРОПИЕЙ ВБЛИЗИ ТЕМПЕРАТУРЫ КОМПЕНСАЦИИ	Известия Российской академии наук. Серия физическая	2024	
Prediction of Locally Stationary Data Using Expert Advice	Problems of Information Transmission	2024	10.1134/S0032946024010058
Antiferromagnetic and spin spiral correlations in the doped two-dimensional Hubbard model: Gauge symmetry, Ward identities, and dynamical mean-field theory analysis	Physical Review B	2024	10.1103/PhysRevB.110.085153
Pore-scale simulations help in overcoming laboratory limitations with unconsolidated rock material: A multi-step reconstruction based on scanning electron and optical microscopy data	Advances in Water Resources	2024	10.1016/j.advwatres.2024.104754
Особенности функционирования генератора случайных чисел с транзисторным источником шума в различных температурных условиях	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
Interactions of peroxy radicals from monoterpene and isoprene oxidation simulated in the radical volatility basis set	Environmental Science: Atmospheres	2024	10.1039/d4ea00056k
Sapphire THz waveguides for sensing and endoscopy applications	2024 International Conference Laser Optics, ICLO 2024 - Proceedings	2024	10.1109/ICLO59702.2024.10624354
Scintillation Detectors of Compton Polarimeters for Measuring Polarization States of Annihilation Photons	Instruments and Experimental Techniques	2024	10.1134/S0020441224700362
Photophoretic deposition and separation of aerosol-synthesized single-walled carbon nanotubes	Carbon	2024	10.1016/j.carbon.2023.118725
МОЛЕКУЛЫ ИЗ ОТТАЛКИВАЮЩИХСЯ АТОМОВ, АДСОРБИРОВАННЫХ НА ПОВЕРХНОСТИ И НИТИ	Журнал экспериментальной и теоретической физики	2024	
Conserving Polarization of Protons in the Nuclotron/JINR up to 3.5 GeV/c Using Correction Dipoles and a Weak Solenoid	Physics of Particles and Nuclei	2024	10.1134/S1063779624700084
Electronics Unit for “Sun–Terahertz” Scientific Equipment	Instruments and Experimental Techniques	2024	10.1134/S0020441224700829
Polarization control of lasing from few-layer MoTe2 coupled with the optical metasurface supporting quasi-trapped modes	Applied Physics Letters	2024	10.1063/5.0214626
Интерференция редко следующих фотонов: лабораторная работа	Физическое образование в ВУЗах	2024	
Theoretical and Numerical Modeling of Optical Switching of Epitaxial Nanostructures Based on Iron-Garnet Films	Physics of Metals and Metallography	2024	10.1134/S0031918X23603104

Modeling the dynamics of political positions: network density and the chances of minority; [Моделирование динамики политических позиций: плотность сети и шансы меньшинства]	Computer Research and Modeling	2024	10.20537/2076-7633-2024-16-3-785-796
The Temperature Dependence of Spin Pumping in Py/W and Py/Pt Bilayers	Physics of Metals and Metallography	2024	10.1134/S0031918X24600593
Peculiarities of icing in a flow with supercooled droplets and ice crystals	Journal of Physics: Conference Series	2024	10.1088/1742-6596/2817/1/012025
RANDOM WALKS ON A LINE AND ALGEBRAIC CURVES	Ufa Mathematical Journal	2024	10.13108/2023-16-1-23
Rational maps and K3 surfaces	Israel Journal of Mathematics	2024	10.1007/s11856-024-2656-3
On limit sets of simplest skew products defined on multidimensional cells	Izvestiya Vysshikh Uchebnykh Zavedeniy. Prikladnaya Nelineynaya Dinamika	2024	10.18500/0869-6632-003134
Kinetic Model of a Three-Component Plasma	Computational Mathematics and Mathematical Physics	2024	10.1134/S0965542524030023
Phase Diagrams of Rare-Earth Ferrimagnets with Surface Anisotropy near Their Points of Compensation	Bulletin of the Russian Academy of Sciences: Physics	2024	10.1134/S1062873823705044
Математическая грамотность: подходы к формированию и оценке	Математика в школе	2024	
Approximate model of an axisymmetric flow of a non-compressible fluid in an infinitely long circular cylinder, the walls of which are composed of elastic rings, based on solutions of the Korteweg - de Vries equation; [Приближенная модель осесимметричного течения несжимаемой жидкости в бесконечно длинном круглом цилиндре, стенки которого составлены из упругих колец, основанная на решениях уравнения Кортевега - де Фриза]	Computer Research and Modeling	2024	10.20537/2076-7633-2024-16-2-375-394
Determination of the Shape and Dimensions of the Polymer Molecules in Solutions Using Diffusional NMR Relaxation	Fluid Dynamics	2024	10.1134/S001546282360325X
Increasing the Efficiency of Plasma Mass Separation by Optimizing the Electric Potential	Plasma Physics Reports	2024	10.1134/S1063780X24600579
Searches for new physics below twice the electron mass with GERDA	European Physical Journal C	2024	10.1140/epjc/s10052-024-13020-0
Electromagnetic dissociation of nuclei: From LHC to NICA	International Journal of Modern Physics E	2024	10.1142/S0218301324410076
Сравнительная характеристика комплексного спектрофлуориметрического показателя гипоксии зоны лимба у пациентов, применяющих отечественные и зарубежные аналоги простагландинов в лечении первичной открытоугольной глаукомы	Медицинский вестник Башкортостана	2024	
Holographic RG flows and boundary conditions in a 3D gauged supergravity	European Physical Journal C	2024	10.1140/epjc/s10052-024-12932-1

2D–4D Simulations of Neutral Particles Penetration into Central Plasma Region in the L-2M Stellarator. Verification of Results Using ASTRA Code	Plasma Physics Reports	2024	10.1134/S1063780X24601354
Asymptotic boundary condition for numerical modeling of wave packets in a supersonic boundary layer	Computers and Fluids	2024	10.1016/j.compfluid.2024.106181
Оптическая стабилизация распределенного волоконного усилителя на вынужденном комбинационном рассеянии	Журнал технической физики	2024	
Method for Obtaining Atomically Smooth Substrates from Single-Crystal Silicon by Mechanical Lapping	Technical Physics	2024	10.1134/S1063784224030046
Re-engineering of a carotenoid-binding protein based on NMR structure	Protein Science	2024	10.1002/pro.5216
Stability of Minima in Constrained Optimization Problems and Implicit Function Theorem	Journal of Optimization Theory and Applications	2024	10.1007/s10957-024-02459-6
Discretization schemes for the two simplified global double porosity models of immiscible incompressible two-phase flow	Journal of Physics: Conference Series	2024	10.1088/1742-6596/2701/1/012077
Обобщенные когерентные состояния и случайные операторы сдвига	Труды Математического института имени В.А. Стеклова	2024	
The paths of nine mathematicians to the realm of dynamical systems	Journal of Difference Equations and Applications	2024	10.1080/10236198.2024.2314411
Некоторые новые методы исследования краевых задач для общих дифференциальных уравнений в частных производных	Теоретическая и математическая физика	2024	
MGM beyond the birthday bound	Journal of Computer Virology and Hacking Techniques	2024	10.1007/s11416-023-00475-0
Local tropicalizations of splice type surface singularities	Mathematische Annalen	2024	10.1007/s00208-023-02755-y
Inflation as a One-Loop Effect	Physics of Particles and Nuclei Letters	2024	10.1134/S1547477124700444
On Asymptotics of Eigenvalues of Seven-Diagonal Toeplitz Matrices	Computational Mathematics and Mathematical Physics	2024	10.1134/S0965542524700404
Some new methods for studying boundary value problems for general partial differential equations	Theoretical and Mathematical Physics(Russian Federation)	2024	10.1134/S0040577924010033
Functionals of Eigenvalues on the Manifold of Potentials	Computational Mathematics and Mathematical Physics	2024	10.1134/S0965542524700490
Муниципальный этап 50-й Всероссийской олимпиады школьников по математике в Московской области	Математика в школе	2024	
On the Influence of the Rayleigh–Taylor Instability on the Formation of Dust Clouds in the Mesosphere of Mars	Solar System Research	2024	10.1134/S0038094624700187
-Smooth -Stable Skew Products and Completely Geometrically Integrable Self-Maps of 3D-Tori, I: -Stability	Regular and Chaotic Dynamics	2024	10.1134/S1560354724520010
A semigroup with linearithmic Dehn function	Semigroup Forum	2024	10.1007/s00233-024-10474-2
CONTACT PROBLEM FOR A SPHERICAL SHELL SUPPORTED ON TWO FLAT SURFACES	International Journal for Computational Civil and Structural Engineering	2024	10.22337/2587-9618-2024-20-3-24-34
On unirational quartic hypersurfaces	Research in Mathematical Sciences	2024	10.1007/s40687-024-00449-8

О геометрических представлениях конечных групп, имеющих абелеву подгруппу индекса 2	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2024	
On the Motion of a Vibrating Robot on a Horizontal Plane with Anisotropic Friction	Russian Journal of Nonlinear Dynamics	2024	10.20537/nd240902
Региональные этапы Всероссийской олимпиады школьников по математике и олимпиады им. Л. Эйлера 2022/2023 учебного года (Второй день)	Математика в школе	2024	
First Measurement of the Decay Asymmetry in the Pure W -Boson-Exchange Decay Λc+ → Ξ0K+	Physical Review Letters	2024	10.1103/PhysRevLett.132.031801
Observation of Ds+ →η′μ+νμ, Precision Test of Lepton Flavor Universality with Ds+ →η (′)l+νl, and First Measurements of Ds+ →η (′)μ+νμ Decay Dynamics	Physical Review Letters	2024	10.1103/PhysRevLett.132.091802
Search for diphoton decays of an axionlike particle in radiative J/ψ decays	Physical Review D	2024	10.1103/PhysRevD.110.L031101
Thermo-Optical Bistability Enabled by Bound States in The Continuum in Silicon Metasurfaces	Laser and Photonics Reviews	2024	10.1002/lpor.202301399
Coherent Spin Dynamics in the Nonuniform Ferromagnetic InGaAs/GaAs/δ-Mn Structures	Semiconductors	2024	10.1134/S1063782624010160
Dyakonov surface waves in dielectric crystals with negative anisotropy	Nanophotonics	2024	10.1515/nanoph-2024-0161
Nearly Perfect Routing of Chiral Light by Plasmonic Grating on Slab Waveguide	Advanced Optical Materials	2024	10.1002/adom.202303114
Когерентная спиновая динамика в неоднородных ферромагнитных структурах InGaAs/GaAs/delta-Mn	Физика и техника полупроводников	2024	
Chiral light in twisted Fabry-Pérot cavities	Proceedings of SPIE - The International Society for Optical Engineering	2024	10.1117/12.3022014
Chiral Light in Twisted Fabry–Pérot Cavities	Advanced Optical Materials	2024	10.1002/adom.202302502
First 4,7-oxygenated 1,10-phenanthroline-2,9-diamides: synthesis, tautomerism and complexation with REE nitrates	Dalton Transactions	2024	10.1039/d3dt03643j
Anisotropic Optical Properties of Monolayer Aligned Single-Walled Carbon Nanotubes	Physica Status Solidi - Rapid Research Letters	2024	10.1002/pssr.202300199
Search for the production of deuterons and antideuterons in e+e- annihilation at center-of-mass energies between 4.13 and 4.70 GeV	Physical Review D	2024	10.1103/PhysRevD.109.092013
Miniature Mobius Strip Inspired Scatterer	Proceedings of the International Conference Days on Diffraction, DD 2024	2024	10.1109/DD62861.2024.10768002
Towards phased array antenna operating in Ku-band for satellite communications	Photonics and Nanostructures - Fundamentals and Applications	2024	10.1016/j.photonics.2023.101216

Tracking the quality of graphene oxide suspension during long-term storage	Surfaces and Interfaces	2024	10.1016/j.surfin.2024.104842
Magnetic properties of a half metal from the paramagnetic phase: DFT+DMFT study of exchange interactions in CrO2	Physical Review B	2024	10.1103/PhysRevB.110.155115
Проявление упорядоченной генерации в разупорядоченной среде вискеров ZnO	Физика твердого тела	2024	
Высокочастотный эффект Холла и поперечно-электрические гальваномагнитные волны в двумерных электронных системах с постоянным током	Письма в Журнал экспериментальной и теоретической физики	2024	
Local magnetic moment formation and Kondo screening in the presence of Hund exchange: Two-band Hubbard model analysis	Physical Review B	2024	10.1103/PhysRevB.110.075160
Interfacial spin-orbit coupling driven enhancement of superconductivity by parallel magnetic field	Physical Review B	2024	10.1103/PhysRevB.110.L180504
Carbonized polyvinylidene difluoride films irradiated by variable-energy Ar+: Tunable morphology and resistive sensing	Journal of Vacuum Science and Technology B	2024	10.1116/6.0003657
Strong and Weak CP Tests in Sequential Decays of Polarized Σ⁰ Hyperons	PHYS REV LETT	2024	
Improved measurement of the decays η′→ π⁺π⁻π⁺(0)π⁻(0) and search for the rare decay η′ → 4π⁰	PHYS REV D	2024	
Improved measurement of the branching fraction of hc → γη′/η and search for hc→ γπ0	Journal of High Energy Physics	2024	10.1007/JHEP08(2024)180
Moment of inertia and supervortical temperature of gluon plasma	Proceedings of Science	2024	
First measurement of ΛN inelastic scattering with Λ from e+e-→J/ψ→ Λ Λ¯	Physical Review C	2024	10.1103/PhysRevC.109.L052201
Measurements of Normalized Differential Cross Sections of Inclusive η Production in e+e- Annihilation at Energy from 2.0000 to 3.6710 GeV	Physical Review Letters	2024	10.1103/PhysRevLett.133.021901
Search for the radiative decays D+→ γρ+ and D+→ γK*+	Journal of High Energy Physics	2024	10.1007/JHEP12(2024)206
Search for X (3872) →π0π0χc1,2	Physical Review D	2024	10.1103/PhysRevD.110.072015
Search for e+e- →η′ψ (2S) at center-of-mass energies from 4.66 to 4.95 GeV	Physical Review D	2024	10.1103/PhysRevD.110.052008
Search for ΔS = 2 nonleptonic hyperon decays Ω−→ Σ0π− and Ω−→ nK−	Journal of High Energy Physics	2024	10.1007/JHEP05(2024)141
Measurement of the cross sections of e+e−→K−Ξ¯+Λ/Σ0 at center-of-mass energies between 3.510 and 4.914 GeV	Journal of High Energy Physics	2024	10.1007/JHEP07(2024)258
Precise Measurement of Born Cross Sections for e+e- →d D ¯ at s =3.80-4.95 GeV	Physical Review Letters	2024	10.1103/PhysRevLett.133.081901

Measurement of the branching fraction of Ds+ →ℓ+vℓ via e+e- → Ds∗+ Ds∗	Physical Review D	2024	10.1103/PhysRevD.110.052002
Negative moment of inertia and rotational instability of gluon plasma	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	2024	10.1016/j.physletb.2024.138604
Search for ηc (2S) →π+π-ηc and ηc (2S) →π+π- KS0 K±π∓ decays	Physical Review D	2024	10.1103/PhysRevD.109.072017
First observation of Λc+ → Λk+π0 and evidence of Λc+ → Λk+π+π-	Physical Review D	2024	10.1103/PhysRevD.109.032003
Determination of the Σ plus Timelike Electromagnetic Form Factors	PHYS REV LETT	2024	
Ternary superconducting hydrides in the La–Mg–H system	Materials Today Physics	2024	10.1016/j.mtphys.2023.101300
Study of Laser-Stimulated Heating of Aqueous Suspensions of Titanium Nitride Nanoparticles for Biomedical Applications	Bulletin of the Lebedev Physics Institute	2024	10.3103/S1068335624600530
Pressure and temperature sensing via ZnO-PDMS based membrane for wearable electronic applications; [Сенсоры давления и температуры на основе мембраны ZnO-ПДМС для носимой электроники]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.173.112
Resonant scattering of silicon nanopillars for nonlinear optics; [Резонансное рассеяние одиночных кремниевых наностолбиков для нелинейной оптики]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.173.121
Towards Optimal Design of the Ku-band Phased Array Antenna with Electronic Beam Steering	2024 IEEE International Conference on Microwaves, Communications, Antennas, Biomedical Engineering and Electronic Systems, COMCAS 2024	2024	10.1109/COMCAS58210.2024.10666248
Impact of water vapor on the 2D MoS2 growth in metal-organic chemical vapor deposition	Vacuum	2024	10.1016/j.vacuum.2024.113739
Infrared photodetection in graphene-based heterostructures: bolometric and thermoelectric effects at the tunneling barrier	npj 2D Materials and Applications	2024	10.1038/s41699-024-00470-z
On the Far Electric Field Extraction	2024 IEEE International Conference on Microwaves, Communications, Antennas, Biomedical Engineering and Electronic Systems, COMCAS 2024	2024	10.1109/COMCAS58210.2024.10666198
Analysis of stability and near-equilibrium dynamics of self-assembled Casimir cavities	Physical Review B	2024	10.1103/PhysRevB.109.195411
Hybrid Photonic Structures: Gallium Phosphide Nanowires Decorated with Carbon Dots for Enhanced Broadband Emission	Advanced Optical Materials	2024	10.1002/adom.202303198
Möbius strip inspired design of a multiband dipole-like circularly polarized antenna; [Многодиапазонная антенна с круговой поляризацией и дипольной диаграммой направленности по мотивам ленты Мёбиуса]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.173.269
Temperature evolution of GaP nanowires photoelectronic properties; [Температурная эволюция фотоэлектронных свойств нитевидных нанокристаллов фосфида галлия]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.171.119

Silver nanoparticle-based SERS sensors for sensitive detection of amyloid-β aggregates in biological fluids	Talanta	2024	10.1016/j.talanta.2023.124970
Selective Damping of Plasmons in Coupled Two-Dimensional Systems by Coulomb Drag	JETP Letters	2024	10.1134/S0021364023603895
Pressure-induced phase transition in nanostructured cation-deficient Zn0.34Fe2.53□0.13O4 ferrite	Physica B: Condensed Matter	2024	10.1016/j.physb.2024.416210
MXene Fe2C as a promising candidate for the 2D XY ferromagnet	2D Materials	2024	10.1088/2053-1583/ad10bc
Transition metal-doped SrTiO3: when does a tiny chemical impact have such a great structural response?	Journal of Materials Chemistry C	2024	10.1039/d4tc00180j
Immobilization of 137Cs in NaY type zeolite matrices using various heat treatment methods	Solid State Sciences	2024	10.1016/j.solidstatesciences.2024.107619
Relaxor unveils geometrical frustration	Acta Materialia	2024	10.1016/j.actamat.2024.120172
Potentially flexible sensor based on the ZnO-PDMS matrix for measuring mechanical load; [Потенциально гибкий сенсор на основе матрицы ZnO-ПДМС для измерения механической нагрузки]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.171.122
Surface properties of anode materials as an indicator of dendrite growth	Journal of Applied Physics	2024	10.1063/5.0216220
Passive Microwave Sensors Based on Quasi-BIC	Proceedings of 2024 IEEE Wireless Power Technology Conference and Expo, WPTCE 2024	2024	10.1109/WPTCE59894.2024.10557352
Impact of the Buffer Layers and Anodization on Properties of NbTiN Films for THz Receivers	IEEE Transactions on Applied Superconductivity	2024	10.1109/TASC.2024.3353139
Targosomes: Anti-HER2 PLGA nanocarriers for bioimaging, chemotherapy and local photothermal treatment of tumors and remote metastases	Journal of Controlled Release	2024	10.1016/j.jconrel.2023.11.036
Broadband antenna array realization with printed meta-elements and its multipoles spectra	Photonics and Nanostructures - Fundamentals and Applications	2024	10.1016/j.photonics.2023.101215
Graph neural network guided design of novel deep-ultraviolet optical materials with high birefringence; [图神经网络指导新型深紫外大双折射晶体材料的设计]	Science China Materials	2024	10.1007/s40843-024-3114-4
Broadband optical properties of Ti3C2 MXene revisited	Optics Letters	2024	10.1364/OL.503636
Melanin: Nature's 4th bioorganic polymer	Soft Matter	2024	10.1039/d4sm00491d
Electron-hole collision limited resistance of gapped graphene	Physical Review B	2024	10.1103/PhysRevB.109.085424
High-pressure behavior of high-entropy A2B2O7 pyrochlore	Ceramics International	2024	10.1016/j.ceramint.2024.10.116
Accuracy Analysis in Surface Roughness Modeling for Extremely High Frequency Applications	2024 IEEE International Conference on Microwaves, Communications, Antennas, Biomedical Engineering and Electronic Systems, COMCAS 2024	2024	10.1109/COMCAS58210.2024.10666163

High-Frequency Hall Effect and Transverse Electric Galvanomagnetic Waves in Current-Biased 2D Electron Systems	JETP Letters	2024	10.1134/S0021364024600563
One-dimensional electron localization in semiconductors coupled to electromagnetic cavities	Physical Review B	2024	10.1103/PhysRevB.109.045432
Laser-synthesized TiN-based nanoparticles as novel efficient electrostatic nanosorbent for environmental water cleaning	Physica Scripta	2024	10.1088/1402-4896/ad7cda
Peculiarities of Photoinduced Heating of Perovskite Nanocrystals with Effective Anti-Stokes Photoluminescence under Near-Resonant Laser Excitation	Semiconductors	2024	10.1134/S1063782624020131
Optothermal Needle-Free Injection of Vaterite Nanocapsules	Advanced Science	2024	10.1002/advs.202305202
Photosensitive nanostructures based on gallium phosphide nanowires and carbon dots; [Фоточувствительные наноструктуры на основе нитевидных нанокристаллов фосфида галлия и углеродных точек]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.171.118
High Purcell Factor Driven by Simultaneous Bianisotropy and Anapole State in All-Dielectric Metasurfaces	Laser and Photonics Reviews	2024	10.1002/lpor.202401102
Measurement of integrated luminosity of data collected at 3.773 GeV by BESIII from 2021 to 2024	Chinese Physics C	2024	10.1088/1674-1137/ad70a0
Study of hc→3 (π+π-)π0, hc→2 (π+π-)ω, hc→2 (π+π-)π0η, hc→2 (π+π-)η, and hc→p p ¯	Physical Review D	2024	10.1103/PhysRevD.109.072018
Measurement of Born cross sections of e+e−→Ξ0Ξ¯0 and search for charmonium(-like) states at s = 3.51–4.95 GeV	Journal of High Energy Physics	2024	10.1007/JHEP11(2024)062
Observation and branching fraction measurement of the decay J/ψ → p ¯ ς+ KS0 + c. c.	Physical Review D	2024	10.1103/PhysRevD.109.012006
Observation of χcJ →3 (K+K-)	Physical Review D	2024	10.1103/PhysRevD.109.072016
Measurements of ς electromagnetic form factors in the timelike region using the untagged initial-state radiation technique	Physical Review D	2024	10.1103/PhysRevD.109.034029
Study of the decays χcJ → Λ Λ ¯ ϕ	Physical Review D	2024	10.1103/PhysRevD.110.032016
Measurements of the branching fractions of semileptonic Ds+ decays via e+e- → Ds∗+ Ds∗-	Physical Review D	2024	10.1103/PhysRevD.110.072017
Study of D+ → KS0 K∗ (892)+ in D+ → KS0 KS0 π+	Physical Review D	2024	10.1103/PhysRevD.110.092006
Observation of ψ(3686) →Ω−K+Ξ¯0 + c.c.	Journal of High Energy Physics	2024	10.1007/JHEP04(2024)013
Model-independent determination of the strong-phase difference between (Formula presented) and (Formula presented) decays	Physical Review D	2024	10.1103/PhysRevD.110.112008
Measurement of absolute branching fractions of Ds+ hadronic decays	Journal of High Energy Physics	2024	10.1007/JHEP05(2024)335
Observation of the Anomalous Shape of X (1840) in J/ψ →γ3 (π+π-) Indicating a Second Resonance Near p p ¯ Threshold	Physical Review Letters	2024	10.1103/PhysRevLett.132.151901

Measurement of the branching fraction of ψ (2S) →γπ0	Physical Review D	2024	10.1103/PhysRevD.110.052011
Evidence of the hc → KS0 K+π-+ c. c. decay	Physical Review D	2024	10.1103/PhysRevD.110.012007
Evidence of the singly Cabibbo suppressed decay Λc+ →pπ0	Physical Review D	2024	10.1103/PhysRevD.109.L091101
Observation of the electromagnetic Dalitz transition hc →e+e-ηc	Physical Review D	2024	10.1103/PhysRevD.110.L111101
Search for the decay χc1 (3872) →π+π-χc1	Physical Review D	2024	10.1103/PhysRevD.109.L071101
Improved measurements of (Formula presented) and (Formula presented)	Physical Review D	2024	10.1103/PhysRevD.110.112006
Negative Barnett effect, negative moment of inertia of the gluon plasma, and thermal evaporation of the chromomagnetic condensate	Physical Review D	2024	10.1103/PhysRevD.110.014511
Search for hc →π+π-J/ψ via ψ(3686)→π0hc	Physical Review D	2024	10.1103/PhysRevD.110.112010
Improved measurements of the Dalitz decays η/η′ →γe+e-	Physical Review D	2024	10.1103/PhysRevD.109.072001
Updated measurements of the M1 transition ψ (3686) →γηc (2S) with ηc (2S) →k K ¯ π	Physical Review D	2024	10.1103/PhysRevD.109.032004
Search for a muonphilic scalar X0 or vector X1 via J/ψ →μ+μ-+invisible decays at BESIII	Physical Review D	2024	10.1103/PhysRevD.109.L031102
Measurement of the absolute branching fraction of the three-body decay Λc+ → Ξ0K+π0 and search for Λc+ →nK+π0, ς0K+π0, and Λk+π0	Physical Review D	2024	10.1103/PhysRevD.109.052001
Search for the radiative decay Ds+→γρ770+	Journal of High Energy Physics	2024	10.1007/JHEP11(2024)119
First measurements of the absolute branching fraction of Λc (2625)+ → Λc+ π+π- and upper limit on Λc (2595)+ → Λc+ π+π	Physical Review D	2024	10.1103/PhysRevD.109.112007
Search for e+e- →k+K-ψ (3770) at center-of-mass energies from 4.84 to 4.95 GeV	Physical Review D	2024	10.1103/PhysRevD.109.112019
Study of the decay J/ψ →ϕπ0η	Physical Review D	2024	10.1103/PhysRevD.110.112014
Search for the radiative transition Formula Presented	Physical Review D	2024	10.1103/PhysRevD.110.012012
Investigation of the Δi=1/2 Rule and Test of CP Symmetry through the Measurement of Decay Asymmetry Parameters in Ξ- Decays	Physical Review Letters	2024	10.1103/PhysRevLett.132.101801
Measurement of e+e− → ωη′ cross sections at s = 2.000 to 3.080 GeV	Journal of High Energy Physics	2024	10.1007/JHEP07(2024)093
Study of η′ → π+π−l+l− decays at BESIII	Journal of High Energy Physics	2024	10.1007/JHEP07(2024)135
Determination of Spin-Parity Quantum Numbers of X (2370) as 0-+ from J/ψ →γ KS0 KS0 η′	Physical Review Letters	2024	10.1103/PhysRevLett.132.181901
Search for C -even states decaying to Ds± Ds∗ with masses between 4.08 and 4.32 GeV/c2	Physical Review D	2024	10.1103/PhysRevD.110.032017
Measurement of the e + e − → KS0KL0 π 0 cross sections from √s = 2.000 to 3.080 GeV	Journal of High Energy Physics	2024	10.1007/JHEP01(2024)180
Measurement of the e+e- →p p ¯ π0 cross section at s =2.1000-3.0800 GeV	Physical Review D	2024	10.1103/PhysRevD.110.052006

Observation of Significant Flavor-SU(3) Breaking in the Kaon Wave Function at 12<Q2<25 GeV2 and Discovery of the Charmless Decay ψ (3770) → KS0 KL0	Physical Review Letters	2024	10.1103/PhysRevLett.132.131901
Observation of J/ψ decays to e+e-e+e- and e+e-μ+μ-	Physical Review D	2024	10.1103/PhysRevD.109.052006
Search for J/ψ weak decays containing a D meson	Physical Review D	2024	10.1103/PhysRevD.110.032020
Search for D0 → KS0 K-e+ve, D+ → KS0 KS0 e+ve, and D+ →k+K-e+ve	Physical Review D	2024	10.1103/PhysRevD.109.072003
Measurement of e+e- →ηJ/ψ cross section from s =3.808 GeV to 4.951 GeV	Physical Review D	2024	10.1103/PhysRevD.109.092012
Observation of ψ (3686) →3ϕ	Physical Review D	2024	10.1103/PhysRevD.109.072015
Observation of the decay J/ψ →e+e-η (1405) with η (1405) →π0f0 (980)	Physical Review D	2024	10.1103/PhysRevD.109.012007
Search for the semi-muonic charmonium decay J/ψ → D − μ +νμ + c.c.	Journal of High Energy Physics	2024	10.1007/JHEP01(2024)126
Search for ηc (2S) →2 (π+π-) and improved measurement of χcJ →2 (π+π-)	Physical Review D	2024	10.1103/PhysRevD.110.072009
Analysis of the dynamics of the decay D+→KS0π0e+ve	Journal of High Energy Physics	2024	10.1007/JHEP10(2024)199
Determination of the number of ψ(3686) events taken at BESIII	Chinese Physics C	2024	10.1088/1674-1137/ad595b
Study of excited Ξ states in ψ (3686) →K- Λ Ξ ¯ ++ c. c.	Physical Review D	2024	10.1103/PhysRevD.109.072008
Precision measurement of the branching fraction of J/ψ →k+K- via ψ (2S) →π+π-J/ψ	Physical Review D	2024	10.1103/PhysRevD.110.032006
Study of the doubly Cabibbo-suppressed decays Ds+ →k+K+π- and Ds+ →k+K+π-π0	Physical Review D	2024	10.1103/PhysRevD.109.032011
First Study of Antihyperon-Nucleon Scattering Λ ¯ p → Λ ¯ p and Measurement of Λp → Λp Cross Section	Physical Review Letters	2024	10.1103/PhysRevLett.132.231902
Observation of χcJ →p p ¯ KS0 K-π++ c. c.	Physical Review D	2024	10.1103/PhysRevD.110.112009
Measurement of branching fractions for Λc+ →n KS0 π+ and Λc+ →n KS0 K+	Physical Review D	2024	10.1103/PhysRevD.109.072010
Study of the f0 (980) and f0 (500) Scalar Mesons through the Decay Ds+ →π+π-e+ve	Physical Review Letters	2024	10.1103/PhysRevLett.132.141901
Measurements of the branching fractions of the P -wave charmonium spin-singlet state hc (P1 1) →h+h-π0/η	Physical Review D	2024	10.1103/PhysRevD.110.032023
Observation of the semileptonic decays D0→KS0π−π0e+ve and D+→KS0π+π−e+ve	Journal of High Energy Physics	2024	10.1007/JHEP09(2024)089
Cross section measurement of e+e- →ηψ (2S) and search for e+e- →η X (3872)	Physical Review D	2024	10.1103/PhysRevD.109.112004
First Observation of a Three-Resonance Structure in e+e- →nonopen Charm Hadrons	Physical Review Letters	2024	10.1103/PhysRevLett.132.191902

Observation of D →a0 (980)π in the decays D0 →π+π-η and D+ →π+π0η	Physical Review D	2024	10.1103/PhysRevD.110.L111102
Search for the leptonic decays D∗+ →e+ve and D∗+ →μ+νμ	Physical Review D	2024	10.1103/PhysRevD.110.012003
Measurements of KS0-KL0 asymmetries in the decays Λc+→pKL,S0,pKL,S0π+π− and pKL,S0π0	Journal of High Energy Physics	2024	10.1007/JHEP09(2024)007
Measurement of Born cross section of e+e−→Σ+Σ¯− 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 Ds+ →k0e+ve	Physical Review D	2024	10.1103/PhysRevD.110.052012
Observation of Structures in the Processes e+e- →ωχc1 and ωχc2	Physical Review Letters	2024	10.1103/PhysRevLett.132.161901
Search for the e+e- →ϕχc1 (3872) process at BESIII	Physical Review D	2024	10.1103/PhysRevD.110.L031103
Observation of D+ → KS0 a0 (980)+ in the Amplitude Analysis of D+ → KS0 π+η	Physical Review Letters	2024	10.1103/PhysRevLett.132.131903
Study of e+e- →π+π-π0 at s from 2.00 to 3.08 GeV at BESIII	Physical Review D	2024	10.1103/PhysRevD.110.032005
Study of e+e- →ωX (3872) and γx (3872) from 4.66 to 4.95 GeV	Physical Review D	2024	10.1103/PhysRevD.110.012006
Observation of D+ →f0 (500)μ+νμ and study of D+ →π+π-ℓ+ν ℓ decay dynamics	Physical Review D	2024	10.1103/PhysRevD.110.092008
Measurement of the e+e- → Λ ς ¯ 0+c.c. cross sections at s from 2.3094 to 3.0800 GeV	Physical Review D	2024	10.1103/PhysRevD.109.012002
Observation of χc0 → ς+ ς ¯ -η and evidence for χc1,2 → ς+ ς ¯ -η	Physical Review D	2024	10.1103/PhysRevD.110.112013
Measurements of Born cross sections for e+e- → Λc+ Λ ¯ c (2595)-+ c. c. and e+e- → Λc+ Λ ¯ 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 Ds1 (2536) and Ds2∗ (2573)	Physical Review Letters	2024	10.1103/PhysRevLett.133.171903
Improved measurement of the decays η′ →π+π-π+ (0)π- (0) and search for the rare decay η′ →4π0	Physical Review D	2024	10.1103/PhysRevD.109.032006
Precise Measurement of the e+e- → Ds+ Ds- 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
Search for D0 →k-ηe+ve, D+ → KS0 ηe+ve and D+ →ηηe+ve decays	Physical Review D	2024	10.1103/PhysRevD.110.112001
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 Bi2-xSbxSeyTe3-y 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	

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
МОДЕЛИРОВАНИЕ ФИЛЬТРАЦИИ И РАССЕЯННОГО РАЗРУШЕНИЯ В ТРЕЩИНОВАТЫХ ЗОНАХ С АНОМАЛЬНО ВЫСОКИМ ПЛАСТОВЫМ ДАВЛЕНИЕМ	Физика Земли	2024	
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 Eu³⁺ С β-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 β-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-oxyquinolinates 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

Спиновая накачка из Lu₃Fe₅O₁₂	Письма в Журнал экспериментальной и теоретической физики	2024	
DIAMOND VERTICAL PN SCHOTTKY DIODES WITH PRESISION NITROGEN-DOPED n- LAYER; [АЛМАЗНЫЕ ВЕРТИКАЛЬНЫЕ pn ДИОДЫ ШОТТКИ С ПРЕЦИЗИОННО ЛЕГИРОВАННЫМ АЗОТОМ СЛОЕМ n-]	ChemChemTech	2024	10.6060/ivkkt.20246710.11y
8-Оксихинолинаты титана(+4) и ванадия(+5) - катализаторы синтеза высокомолекулярного полиэтилена и этилен-октеновых сополимеров	Известия Академии наук. Серия химическая	2024	
Continuous-wave two-photon terahertz quantum cascade laser	Journal of Applied Physics	2024	10.1063/5.0230491
Exploring stable hot carrier multiplication in filled carbon nanotubes	Carbon	2024	10.1016/j.carbon.2024.119580
Cascade excitation of luminescence and second harmonic generation in DAST crystalline powder	Journal of Optical Technology (A Translation of Opticheskii Zhurnal)	2024	10.1364/JOT.91.000279
Influence of the Eliminated Ligand Structure on the Reduction Rate of the Cobalt(III) Complexes	Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya	2024	10.1134/S1070328423600699
Mini-review on degradation mechanism of perfluorosulfonic acid membranes induced by carboxylic end-groups	Polymer Degradation and Stability	2024	10.1016/j.polymdegradstab.2024.110857
Effect of the electrostatic focusing lens voltage on structures size in 3D printing by charged Au nanoparticles; [Влияние напряжения электростатической фокусирующей линзы на размер структур при 3D-печати заряженными наночастицами золота]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2024	10.18721/JPM.173.101
Superconducting Matching Circuits for an Oscillator and an SIS Mixer in the Subterahertz Frequency Range	Technical Physics Letters	2024	10.1134/S1063785024700330
Оптико-терагерцевые преобразователи: современное состояние и новые возможности для мультиспектральной визуализации	Успехи физических наук	2024	
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
Increase in interplanar distances and formation of amorphous shear bands in deformed diamond	Diamond and Related Materials	2024	10.1016/j.diamond.2024.111157
An Intramolecular Nitroso-Meerwein-Ponndorf-Verley-Oppenauer Reaction to Access Fused Pyrrolidine Scaffolds	Organic Letters	2024	10.1021/acs.orglett.3c03552
Unravelling the mechanism of f-element extraction by phenanthroline-diamides: A case of 4,7-substituted 1,10-phenanthroline-2,9-diamides	Separation and Purification Technology	2024	10.1016/j.seppur.2024.126621
What Can we Learn from Nonequilibrium Response of a Strange Metal?	JETP Letters	2024	10.1134/S0021364024600654

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
A New Criterion for Determining Optical Damage of Nonlinear Optical Crystals, Based on the Use of an RF Oscillator Circuit	Bulletin of the Lebedev Physics Institute	2024	10.3103/S1068335624600165
Efficient Charging of Aerosol Nanoparticles by Corona-needle Charger with Improved Design for Printing of Metallic Microstructures	INT J ENG-IRAN	2024	
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 HfO2-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
SERS-Based Rapid Detection of Botulinum Toxin A Using an Aptasensor	Bulletin of the Russian Academy of Sciences: Physics	2024	10.1134/S1062873823705214
Detonation parameters of the mixture of gelled nitromethane/microballoons at high porosity	PHYS FLUIDS	2024	
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
Machine Learning Potential to Model the Diamond Phase Nucleation in Misoriented Bilayer Graphene	Journal of Structural Chemistry	2024	10.1134/S0022476624080109
Effect of Chlorine Introduction on Luminescent Properties of Novel Eu3+ Coordination Compounds with β-Diketones and Unsatured Carboxylic Acids	Bulletin of the Lebedev Physics Institute	2024	10.3103/S1068335624600232
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
MONOCRYSTALLINE DIAMOND MEMBRANES WITH A THICKNESS OF 10 MICRONS, MANUFACTURED BY PLASMA ETCHING; [МОНОКРИСТАЛЛИЧЕСКИЕ АЛМАЗНЫЕ МЕМБРАНЫ ТОЛЩИНОЙ ОТ 10 МКМ, ИЗГОТОВЛЕННЫЕ МЕТОДОМ ПЛАЗМЕННОГО ТРАВЛЕНИЯ]	ChemChemTech	2024	10.6060/ivkkt.20246710.1y

Ionic homometallic and heterometallic Titanium/Transition and Non-Transition metals complexes stabilized with crown ether in the polymerization of ethylene	European Polymer Journal	2024	10.1016/j.eurpolymj.2023.112720
Janus star-shaped siloxane polymers with oriented alkoxy functional groups. Synthesis and properties	Journal of Organometallic Chemistry	2024	10.1016/j.jorganchem.2024.123374
Study of the stoichiometry effect on the structure and loss kinetics of photogenerated current carriers in Cu2-δBaSnS4 (0≤δ≤0.4) quaternary copper compounds	Journal of Solid State Chemistry	2024	10.1016/j.jssc.2024.124930
Evaluating A* and RRT for High-DoF Path Planning	Lecture Notes in Networks and Systems	2024	10.1007/978-3-031-77688-5_31
Synthesis of C-Mercuro Derivatives of ortho-Carborane. Crystal Structure of Bis(2-phenyl-ortho-carboran-1-yl)mercury	Russian Journal of Inorganic Chemistry	2024	10.1134/S0036023624600187
New Cobalt Complex with Dihydroxycoumarin: Synthesis and Kinetics of Its Redox-Activated Dissociation	Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya	2024	10.1134/S1070328423600663
Experiment-based model of an Er/Yb gain medium for fiber amplifiers and lasers	Journal of the Optical Society of America B: Optical Physics	2023	10.1364/JOSAB.497167
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
Erratum to: Model for the Description of the Relaxation of Quantum-Mechanical Systems with Closely Spaced Energy Levels (JETP Letters, (2021), 114, 1, (51-57), 10.1134/S0021364021130099)	JETP Letters	2023	10.1134/S0021364023370014
Multicenter and multiple elastic rescattering in CO2 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
Signature of exceptional point phase transition in Hermitian systems	QUANTUM-AUSTRIA	2023	
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
Fractured inclusion localization and characterization based on deep convolutional neural networks	Procedia Structural Integrity	2023	10.1016/j.prostr.2022.12.230

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
Numerical Simulations of the Acceleration of Fast Protons and of the Excitation of Nuclear Reactions 11B(p, 3α) and 11B(p, n) 11C at the Intensities of Picosecond Laser Radiation in the Range of 1018-1019 W/cm2	Physics of Atomic Nuclei	2023	10.1134/S1063778823040038
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 Al2O3/WO3/Pd nanostructure	Scientific Reports	2023	10.1038/s41598-023-28204-z
Самосогласованный расчет ядерных зарядовых радиусов в изотопах K	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

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 B-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
Проверка концепции классичности в осцилляциях нейтральных B⁰_s ¯B⁰_s-пар	Письма в журнал Физика элементарных частиц и атомного ядра	2023	
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

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 β-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; [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 TbTe3 and HoTe3 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

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 Chlorella vulgaris	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 Hf_xA_{1-x}O₂ (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 CsPbBr3 в процессе фотодеградации	Письма в Журнал экспериментальной и теоретической физики	2023	
Исследование свойств филаментов в структурах на основе HfO₂ 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

Synthesis of Quinoline-Based New Chiral Derivatizing Reagents and its use in the Derivatization and Enantioseparation of Few Structurally Similar β-Blockers using Liquid Chromatography and Structural Optimization using DFT	Asian Journal of Chemistry	2023	10.14233/ajchem.2023.28037
P *,S-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 La_{0.7}Sr_{0.3}MnO₃, 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 μm and 1.5 μm 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

Applicability of the Fridman-Macheret α-Model to Heterogeneous Processes in the Case of Dissociative Adsorption of N2 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 НЕАФФИННЫХ 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	

Effects of Al2O3 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+	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
15N Isotope Enrichment of the Atomic Nitrogen Component in Atomic-Molecular Exchange Reactions in the Post-Discharge Zone	Technical Physics	2023	10.1134/S1063784223900838

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 матриксов 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

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 фононов 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	

Exsolution of oxygen impurity from diamond lattice and formation of pressurized CO2-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

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 ff 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
ПЕРЕХОДНЫЕ ОСЦИЛЛЯЦИИ В ДИНАМИКЕ МОЛЕКУЛ С БОЛЬШИМ СЕЧЕНИЕМ РАМАНОВСКОГО РАССЕЯНИЯ	Фотон-экспресс	2023	
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	

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 {β } -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

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 x 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 β-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

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; [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 α - Fe2O3 при спин-переориентационном переходе	Журнал радиоэлектроники	2023	

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_(s)* mesons	PHYS LETT B	2023	
Precise Measurement of the e plus e- → D plus s D- s Cross Sections at Center-of-Mass Energies from Threshold to 4.95 GeV	PHYS REV LETT	2023	
Study of the e⁺e⁻ → π⁺ π⁻ ω process at center-of-mass energies between 4.0 and 4.6 GeV	J HIGH ENERGY PHYS	2023	
Measurement of the B⁰ 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 JPC=1--in e+ e- ? D*0D*-?+	PHYS REV LETT	2023	
Study of e plus e- ? ?-?? 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
Bastroviruses (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

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 YciM ПОЗВОЛЯЕТ СНИЗИТЬ ЗАГРЯЗНЕНИЕ ЭНДОТОКСИНАМИ РЕКОМБИНАНТНЫХ БЕЛКОВ, ПОЛУЧАЕМЫХ В Escherichia coli	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

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 DYSBETALIPOPROTEINEMIA 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 CeO2-Fe2O3 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⁻ →K⁺ D^{*-}_s D^{*0} +c.c. [*]	CHINESE PHYS C	2023	
Search for the weak radiative decay ?c plus ? ? plus ? at BESIII	PHYS REV D	2023	
Evidence for the Cusp Effect in η0 Decays into ηπ0π0	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

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 Dibenzoylmethanatoboron Difluoride Based on Stereoregular Cyclotetrasiloxanes: Synthesis and Properties	Journal of Physical Chemistry B	2023	10.1021/acs.jpcb.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	

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 Λ_c⁺ → nπ⁺ π⁰, nπ⁺ π⁻ π⁺ and the Cabibbo-Favored decay Λ_c⁺ → nK⁻ π⁺ π^{+*}	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

Erratum to: Measurement of Λ 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 Ds+ →k1 (1270)0e+ve and Ds+ →b1 (1235)0e+ve	Physical Review D	2023	10.1103/PhysRevD.108.112002
Amplitude analysis and branching fraction measurement of the decay D+ → KS0 π+ π0 π0	Journal of High Energy Physics	2023	10.1007/JHEP09(2023)077
First Study of Reaction Ξ0n → Ξ-p Using Ξ0 -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- →ωX (3872)	Physical Review Letters	2023	10.1103/PhysRevLett.130.151904
First simultaneous measurement of Ξ0 and Ξ ¯ 0 asymmetry parameters in ψ (3686) decay	Physical Review D	2023	10.1103/PhysRevD.108.L011101
Measurement of the e+e- → Λ Λ ¯ 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 − → γφJ/ψ from √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 D0 →k+K-π+π-	Physical Review D	2023	10.1103/PhysRevD.107.032009
Updated measurement of the branching fraction of Ds+ →τ+ντ via τ+ →π+ ν ¯ τ	Physical Review D	2023	10.1103/PhysRevD.108.092014
Helicity amplitude analysis of χcJ → φφ	Journal of High Energy Physics	2023	10.1007/JHEP05(2023)069
Precision measurements of Ds+ →ηe+ve and Ds+ →η′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- →π+π-J /ψ 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/ψ →γπ0, γη, and γη′	Physical Review D	2023	10.1103/PhysRevD.108.092002
Observation of the y (4230) and evidence for a new vector charmoniumlike state y (4710) in e+e- → KS0 KS0 J/ψ	Physical Review D	2023	10.1103/PhysRevD.107.092005
Search for Λ ¯ - Λ Baryon-Number-Violating Oscillations in the Decay J/ψ →pK- Λ ¯ + c. c	Physical Review Letters	2023	10.1103/PhysRevLett.131.121801
Study of e+e- →ηϕ at center-of-mass energies from 3.773 to 4.600 GeV	Physical Review D	2023	10.1103/PhysRevD.108.112011
Improved measurement of the absolute branching fraction of inclusive semileptonic Λc+ decay	Physical Review D	2023	10.1103/PhysRevD.107.052005
Measurement of the branching fractions of the singly Cabibbo-suppressed decays (Formula Presented.) and (Formula Presented.)	Journal of High Energy Physics	2023	10.1007/JHEP11(2023)137
Improved measurement of the branching fraction of Ds+ →μ+νμ	Physical Review D	2023	10.1103/PhysRevD.108.112001
Thermal phase transitions in rotating QCD with dynamical quarks	Proceedings of Science	2023	

Determination of the CP -even fraction of D0 → KS0 π+π-π0	Physical Review D	2023	10.1103/PhysRevD.108.032003
Studies of the decay Ds+→K+K−μ+νμ	Journal of High Energy Physics	2023	10.1007/JHEP12(2023)072
Test of CP Symmetry in Hyperon to Neutron Decays	Physical Review Letters	2023	10.1103/PhysRevLett.131.191802
Measurement of Energy-Dependent Pair-Production Cross Section and Electromagnetic Form Factors of a Charmed Baryon	Physical Review Letters	2023	10.1103/PhysRevLett.131.191901
Search for hyperon ΔS = ΔQ violating decay Ξ⁰ → Σ⁻e⁺v_e	PHYS REV D	2023	
Synthesis, X-ray structure and magnetic properties of the apically functionalized monocapped cobalt(ii) tris-pyridineoximates possessing SMM behaviour	Dalton Transactions	2023	10.1039/d2dt04073e
Bis(2,6-pyrazolyl)pyridines as a New Scaffold for Coordination Polymers	Molecules	2023	10.3390/molecules28114275
Assessing the Differential Methylation Analysis Quality for Microarray and NGS Platforms	International Journal of Molecular Sciences	2023	10.3390/ijms24108591
Mathematical Modeling of Non-Small-Cell Lung Cancer Biology through the Experimental Data on Cell Composition and Growth of Patient-Derived Organoids	Life	2023	10.3390/life13112228
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	
The Use of Convolutional Neural Networks to Search for Fractures in the Geological Media	Lobachevskii Journal of Mathematics	2023	10.1134/S1995080223010298

Сеточно-характеристический численный метод на нерегулярной расчетной сетке с расширением шаблона интерполяции	Журнал вычислительной математики и математической физики	2023	
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
Сеточно-характеристический метод с использованием наложенных сеток в задаче сейсморазведки трещиноватых геологических сред	Computational Mathematics and Information Technologies	2023	
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 эмбеддингов 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
Синтез халконов с метилендиоксиполиметоксильными фрагментами на основе растительных метаболитов и исследование их антипролиферативных свойств	Известия Академии наук. Серия химическая	2023	
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

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
Biogeographic Analysis Suggests Two Types of Planktonic Prokaryote Communities in the Barents Sea	Biology	2023	10.3390/biology12101310
Валидация шкал генетического риска ожирения на выборке населения регионов России	Кардиоваскулярная терапия и профилактика	2023	
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
Applicability of Diagnostic Criteria and High Prevalence of Familial Dysbetalipoproteinemia in Russia: A Pilot Study	International Journal of Molecular Sciences	2023	10.3390/ijms241713159
TADDOL-based P,S-bidentate phosphoramidite ligands in palladium-catalyzed asymmetric allylic substitution	Organic and Biomolecular Chemistry	2023	10.1039/d3ob01891a
Modeling the functional heterogeneity and conditions for the occurrence of microreentry in procedurally created atrial fibrous tissue	Journal of Applied Physics	2023	10.1063/5.0151624
Выбор оптимального подхода для генетического скрининга носительства вариантов, связанных с развитием рецессивных заболеваний	University Therapeutic Journal	2023	
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

О природе уменьшения скорости процесса упорядочения по типу B2 твердого раствора Cu–Pd 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
Signatures of pancake bonding in hydrated eumelanin	Physical Chemistry Chemical Physics	2023	10.1039/d3cp01773g
FLEXIBLE GRAPHITE ELECTRODE BASED ON ELECTROLYTIC MnO2 FOR ENZYME-FREE GLUCOSE OXIDATION; [ГИБКИЙ ГРАФИТОВЫЙ ЭЛЕКТРОД НА ОСНОВЕ ЭЛЕКТРОЛИТИЧЕСКОГО MnO2 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
Antiproliferative and antimycobacterial effects of mononuclear palladium(II) complexes with N-heterocyclic ligands	Inorganica Chimica Acta	2023	10.1016/j.ica.2023.121649
MIL-100(Fe)-Based Composite Films for Food Packaging	Nanomaterials	2023	10.3390/nano13111714
Atomistic simulation of Si-Al nanosponge structure features produced by laser printing method	Journal of Non-Crystalline Solids	2023	10.1016/j.jnoncrysol.2023.122215
Анализ вариаций концентрации продуктов распада радона в приземном слое атмосферы	Известия Российской академии наук. Серия физическая	2023	
Измерение фотоэлектрофизических характеристик проводящих слоев ККТ CSPBBR₃	Химия высоких энергий	2023	
Exceptional points in coupled vortex-based spin-torque oscillators	Physical Review B	2023	10.1103/PhysRevB.108.174443
Plasmons in a Strip with an Anisotropic Two-Dimensional Electron Gas Fully Screened by a Metal Gate	JETP Letters	2023	10.1134/S0021364023601811
Функциональная коннективность ЭЭГ при движении: опыт применения графового анализа	Физиология человека	2023	

The rhombic hexecontahedronboron carbide microcrystals – crystal structure analysis	Scripta Materialia	2023	10.1016/j.scriptamat.2022.115023
The size effect of BiFeO3 nanocrystals on the spatial spin modulated structure	Physical Chemistry Chemical Physics	2023	10.1039/d3cp02850j
Возможности современной просвечивающей растровой электронной микроскопии в исследованиях карбидов бора	Кристаллография	2023	
Non-Thermal Plasma Pyrolysis of Fuel Oil in the Liquid Phase	Energies	2023	10.3390/en16104017
Neurotoxicity of Silver Nanoparticles and Non-Linear Development of Adaptive Homeostasis with Age	Micromachines	2023	10.3390/mi14050984
3D Printing Using Iota-Carrageenan-Based Hydrogel with Immobilized Chlorella vulgaris Microalgae	Nanobiotechnology Reports	2023	10.1134/S2635167623010202
An integrated microscopical study of surface properties and surface effects in superprotonic (K1-x(NH4)x)3H(SO4)2 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
Carbon Emission and Biodiversity of Arctic Soil Microbial Communities of the Novaya Zemlya and Franz Josef Land Archipelagos	Microorganisms	2023	10.3390/microorganisms11020482
Microbial Cells as a Microrobots: From Drug Delivery to Advanced Biosensors	Biomimetics	2023	10.3390/biomimetics8010109
EEG Functional Connectivity in Motor Tasks: Experience of Application of Graph Analysis	Human Physiology	2023	10.1134/S0362119723600182
Structural Features of the Rapidly Quenched Al–Cu–Fe Alloy with Decagonal Quasicrystals	Crystallography Reports	2023	10.1134/S1063774523010169
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
Pentylenetetrazole-Induced Seizures Are Increased after Kindling, Exhibiting Vitamin-Responsive Correlations to the Post-Seizures Behavior, Amino Acids Metabolism and Key Metabolic Regulators in the Rat Brain	International Journal of Molecular Sciences	2023	10.3390/ijms241512405
Conduction of excitation waves and reentry drift on cardiac tissue with simulated photocontrol-varied excitability	Chaos	2023	10.1063/5.0122273
Validation of genetic risk scores for type 2 diabetes on a Russian population sample from the biobank of the National Medical Research Center for Therapy and Preventive Medicine; [Валидация шкал генетического риска развития сахарного диабета 2 типа на выборке населения регионов России из биобанка "НМИЦ ТПМ"]	Cardiovascular Therapy and Prevention (Russian Federation)	2023	10.15829/1728-8800-2023-3746
Biomimetic Cardiac Tissue Models for In Vitro Arrhythmia Studies	Biomimetics	2023	10.3390/biomimetics8060487

Human Blood Serum Can Diminish EGFR-Targeted Inhibition of Squamous Carcinoma Cell Growth through Reactivation of MAPK and EGFR Pathways	Cells	2023	10.3390/cells12162022
Novel Potential Mechanisms of Regulatory B Cell-Mediated Immunosuppression	Biochemistry (Moscow)	2023	10.1134/S0006297923010029
СВЕРХБЫСТРАЯ ХРОМАТОМАСС-СПЕКТРОМЕТРИЯ В БИОХИМИИ РАСТЕНИЙ: ПРОТЕОМНЫЙ ОТВЕТ ОЗИМОЙ ПШЕНИЦЫ НА ПРЕДПОСЕВНУЮ ОБРАБОТКУ ПРЕПАРАТАМИ ЖЕЛЕЗА	Биохимия	2023	
The Effects of the Hydrogen Sulfide Donor GYY4137 on the Proteasome Pool of Colorectal Cancer Cells	Molekuliarnaia biologiia	2023	10.31857/S0026898423060083
Pan-cancer antagonistic inhibition pattern of ATM-driven G2/M checkpoint pathway vs other DNA repair pathways	DNA Repair	2023	10.1016/j.dnarep.2023.103448
The Effects of Acute Bisphenol A Toxicity on the Hematological Parameters, Hematopoiesis, and Kidney Histology of Zebrafish (Danio rerio)	Animals	2023	10.3390/ani13233685
Encapsulation and adhesion of nanoparticles as a potential biomarker for TNBC cells metastatic propensity	Scientific Reports	2023	10.1038/s41598-023-33540-1
Condensates of SARS-CoV-2 Nucleoprotein on Viral RNA and Their Small Molecule Modulators (A Review)	Russian Journal of Bioorganic Chemistry	2023	10.1134/S1068162023050229
Development and Complex Application of Methods for the Identification of Mutations in the FAD3A and FAD3B Genes Resulting in the Reduced Content of Linolenic Acid in Flax Oil	Plants	2023	10.3390/plants12010095
IQMMA: Efficient MS1 Intensity Extraction Pipeline Using Multiple Feature Detection Algorithms for DDA Proteomics	Journal of Proteome Research	2023	10.1021/acs.jproteome.3c00075
COMPARISON OF THE ONCOLYTIC ACTIVITY OF RECOMBINANT VACCINIA VIRUS STRAINS LIVP-RFP AND MVA-RFP AGAINST SOLID TUMORS; [СРАВНЕНИЕ ОНКОЛИТИЧЕСКОЙ АКТИВНОСТИ РЕКОМБИНАНТНЫХ ШТАММОВ ВИРУСА ОСПОВАКЦИНЫ LIVP-RFP И MVA-RFP В ОТНОШЕНИИ СОЛИДНЫХ ОПУХОЛЕЙ]	Bulletin of Russian State Medical University	2023	10.24075/brsmu.2023.010
Erosion of Fuzz Layers Formed in Steady-State Plasma Discharge	Fusion Science and Technology	2023	10.1080/15361055.2022.2118471
Genetic aspects of decreased low-density lipoprotein cholesterol values; [Генетические аспекты низких значений холестерина липопротеинов низкой плотности]	Cardiovascular Therapy and Prevention (Russian Federation)	2023	10.15829/1728-8800-2023-3846
NON-INVASIVE METHODS OF MOLECULAR DIAGNOSIS, CLINICAL MONITORING AND APPROACHES TO THE PERSONALIZED THERAPY OF DIFFUSE MIDLINE GLIOMA	Siberian Journal of Oncology	2023	10.21294/1814-4861-2023-22-3-108-118
Конденсаты нуклеопротеина SARS-CoV-2 на вирусной РНК и их низкомолекулярные модуляторы	Биоорганическая химия	2023	

Adversary of DNA integrity: A long non-coding RNA stimulates driver oncogenic chromosomal rearrangement in human thyroid cells	International Journal of Cancer	2023	10.1002/ijc.34396
The role of molecular chaperones in the mechanisms of epileptogenesis	Cell Stress and Chaperones	2023	10.1007/s12192-023-01378-1
Non-canonical functions of spliceosome components in cancer progression	Cell Death and Disease	2023	10.1038/s41419-022-05470-9
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	10.3390/ijms24032002
Premature coronary artery disease and severe hypertriglyceridemia in a patient with monogenic diabetes: a case report; [Раннее развитие ишемической болезни сердца и выраженная гипертриглицеридемия у пациента с моногенной формой сахарного диабета]	Cardiovascular Therapy and Prevention (Russian Federation)	2023	10.15829/1728-8800-2023-3768
Genetically Encoded Self-Assembling Protein Nanoparticles for the Targeted Delivery In Vitro and In Vivo	Pharmaceutics	2023	10.3390/pharmaceutics15010231
Development and Application of Real-Time PCR-Based Screening for Identification of Omicron SARS-CoV-2 Variant Sublineages	Genes	2023	10.3390/genes14061218
Algorithmically Reconstructed Molecular Pathways as the New Generation of Prognostic Molecular Biomarkers in Human Solid Cancers	Proteomes	2023	10.3390/proteomes11030026
Lectin-Modified Magnetic Nano-PLGA for Photodynamic Therapy In Vivo	Pharmaceutics	2023	10.3390/pharmaceutics15010092
Регистрация изменения биохимических параметров in vivo в модели ишемического инсульта	Гены и Клетки	2023	
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
Fluorescent Magnetic Nanoparticles for Bioimaging through Biomimetic Surface Modification	International Journal of Molecular Sciences	2023	10.3390/ijms24010134
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
Identification of Myelin Basic Protein Proximity Interactome Using TurboID Labeling Proteomics	Cells	2023	10.3390/cells12060944

Myelin Basic Protein Fragmentation by Engineered Human Proteasomes with Different Catalytic Phenotypes Revealed Direct Peptide Ligands of MS-Associated and Protective HLA Class I Molecules	International Journal of Molecular Sciences	2023	10.3390/ijms24032091
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
Long-Read cDNA Sequencing Revealed Novel Expressed Genes and Dynamic Transcriptome Landscape of Triticale (x Triticosecale Wittmack) Seed at Different Developing Stages	Agronomy	2023	10.3390/agronomy13020292
Validation of genetic risk scores for hypertension in the Central Russian population; [Валидация шкал генетического риска развития артериальной гипертензии на популяции региона Центральной России]	Cardiovascular Therapy and Prevention (Russian Federation)	2023	10.15829/1728-8800-2023-3801
New Pseudomonas Bacterial Strains: Biological Activity and Characteristic Properties of Metabolites	Microorganisms	2023	10.3390/microorganisms11081943
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 methylenedioxypolymethoxy 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
Specific targeting of plasmids with Argonaute enables genome editing	Nucleic Acids Research	2023	10.1093/nar/gkad191

Two-Step Targeted Drug Delivery via Proteinaceous Barnase-Barstar Interface and Doxorubicin-Loaded Nano-PLGA Outperforms One-Step Strategy for Targeted Delivery to HER2-Overexpressing Cells	Pharmaceutics	2023	10.3390/pharmaceutics15010052
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
Validation of genetic risk scores for coronary artery disease, developed on European population samples, in Russian population; [Валидация шкал генетического риска ишемической болезни сердца, разработанных на европейских популяционных выборках, у представителей российской популяции]	Cardiovascular Therapy and Prevention (Russian Federation)	2023	10.15829/1728-8800-2023-3856
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 Linum usitatissimum convar. crepitans expands the view on the section Linum	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

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 B-клетками	Биохимия	2023	
Многомасштабное структурирование квантовых точек CdSe/CdS/ZnS в центрифугированных и ленгмюровских 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 MoS2 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 YbB12 (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 SrTiO3: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

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 YbB6 С ЯН-ТЕЛЛЕРОВСКОЙ СТРУКТУРНОЙ НЕУСТОЙЧИВОСТЬЮ	Журнал экспериментальной и теоретической физики	2023	
Controlling ferroelectric properties in Y-doped HfO2thin 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

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 ПРИПОВЕРХНОСТНОЙ ДОМЕННОЙ СТРУКТУРЫ 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

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 SrxBa(1−x)Fe12O19 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
Fast general two- and three-body interatomic potential	Physical Review B	2023	10.1103/PhysRevB.107.125160
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

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 NH3 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 Т-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-0 tokamak operation	Plasma Science and Technology	2023	10.1088/2058-6272/ac9f05

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 мезаструктур 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 × 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

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 Chlorella vulgaris in a Photobioreactor with a Fiber-Optic Lighting System	Nanobiotechnology Reports	2023	10.1134/S2635167623010081
ИЗУЧЕНИЕ ПРОЦЕССОВ КУЛЬТИВИРОВАНИЯ И НАКОПЛЕНИЯ ПОЛЕЗНЫХ ПРОДУКТОВ МИКРОВОДОРОСЛЯМИ Chlorella vulgaris 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 Т-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

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 β-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 SrMnO3/La0.7Sr0.3MnO3 Heterostructure on an NdGaO3 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

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	

Алгоритм переключения наземного измерительного средства при составлении расписания наблюденийза 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

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

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/acsphotonics.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 MoS2 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 K6B12O19F4and K12B28O48: The Effects of Metal Cations Size and the F Ions on the Structure	Inorganic Chemistry	2023	10.1021/acs.inorgchem.3c00519
Chiral Polaritonics: Analytical Solutions, Intuition, and Use	Journal of Physical Chemistry Letters	2023	10.1021/acs.jpclett.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

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/TiO₂	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 Bi2Se3	Nanomaterials	2023	10.3390/nano13091460

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 VO2/TiO2/c-Al2O3 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 π + and K+ mesons in argon-nucleus interactions at 3.2 A GeV	Journal of High Energy Physics	2023	10.1007/JHEP07(2023)174

Оптимизационные методы составления расписания наблюдений за космическими аппаратами в околоземном пространстве наземными радиотехническими измерительными средствами	Журнал радиоэлектроники	2023	
Создание прототипа охлаждаемоймозаичной 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 π⁺ 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/TTHZ.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 MAX-фаз Ti_xAlC_{x-1} методом искрового плазменного спекания	Труды Кольского научного центра РАН. Серия: Технические науки	2023	
Optimized Synthesis of Ti2AlC 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

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 ESCHERICHIA COLI	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 CaF₂, активированных трехвалентными редкоземельными ионами	Кристаллография	2023	
Study of the Formation of Radiation-Stimulated Impurity Defects in CaF2 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

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 γG = 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 ZrO2-Sc2O3 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 (ZrO2)0.99−x(Sc2O3)x(R2O3)0.01 (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 SiO2/Si and Al2O3 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

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
Новые гетероструктуры на основе максенов для сбора солнечной энергии	Прикладная фотоника	2023	
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

Final Results of GERDA on the Two-Neutrino Double- β 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-монолитные 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	

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

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
НУКЛЕОИД-АССОЦИИРОВАННЫЕ БЕЛКИ HU И IHF: ОЛИГОМЕРИЗАЦИЯ В РАСТВОРЕ И ГИДРОДИНАМИЧЕСКИЕ СВОЙСТВА	Биохимия	2023	
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 Photorin, a Novel Proteinaceous Protease Inhibitor from the Entomopathogenic Bacteria Photorhabdus laumondii	Biochemistry (Moscow)	2023	10.1134/S0006297923090158
Panchromatic photomultiplication-type organic photodetectors with planar/bulk heterojunction structure; [平面/体异质结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 HfO2-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 Hf0.5Zr0.5O2	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

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 Photorhabdus laumondii	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

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-Uspekhi	2023	10.3367/UFNe.2023.06.039365
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	10.1134/S0010952523090010
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	

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 HfO2 and ZrO2	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

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 La:Hf_{0.5}Zr_{0.5}O₂ С АНОМАЛЬНО ВЫСОКОЙ ДИЭЛЕКТРИЧЕСКОЙ ПРОНИЦАЕМОСТЬЮ ДЛЯ УСТРОЙСТВ 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

Система спин-флипа протонов на базе корректирующих диполей Нуклотрона/ОИЯИ на спиновом резонансе γG = 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 B⁰_s-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

Измерение изменения молярной энтропии в химической реакции Zn + CuSO₄ Þ ZnSO₄ + 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(gl̂ 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	
(q, 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

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 Superieure	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∞, integrable many-body systems and hypergeometric τ-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
3-Schurs from explicit representation of Yangian Y (gl̂ 1) . Levels 1–5	Journal of High Energy Physics	2023	10.1007/JHEP11(2023)165
On an alternative stratification of knots	Theoretical and Mathematical Physics(Russian Federation)	2023	10.1134/S0040577923070024
Genus expansion of matrix models and ħ 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 высыпающихся электронов по данным измерений в атмосфере	Геомагнетизм и аэрономия	2023	
Tryptamine Derivatives of Sesquiterpene Lactones as Effective β-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
ПРИВИЛЕГИРОВАННОЕ ОБУЧЕНИЕ С ПОМОЩЬЮ РЕГУЛЯРИЗАЦИИ В ЗАДАЧЕ ОЦЕНКИ ПОЗЫ ЧЕЛОВЕКА	Известия Российской академии наук. Теория и системы управления	2023	
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

Erratum to: Privileged Learning Using Regularization in the Problem of Evaluating the Human Posture (Journal of Computer and Systems Sciences International, (2023), 62, 3, (538-541), 10.1134/S1064230723030061)	Journal of Computer and Systems Sciences International	2023	10.1134/S1064230723330018
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; [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
A Note on Forced Oscillations in Systems on a Plane	Russian Journal of Nonlinear Dynamics	2023	
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
ОБ УСТОЙЧИВОСТИ РЕШЕНИЯ ОБРАТНОЙ ЗАДАЧИ РЕКОНСТРУКЦИИ НАПРЯЖЕННОГО СОСТОЯНИЯ ГЕОЛОГИЧЕСКОЙ СРЕДЫ НА ОСНОВАНИИ АНАЛИЗА ЕСТЕСТВЕННОЙ ТРЕЩИНОВАТОСТИ	Процессы в геосредах	2023	
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

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 β-Turns	Biophysics (Russian Federation)	2023	10.1134/S0006350923010177
Incremental Topic Modeling for Scientific Trend Topics Extraction; [Инкрементальная тематическая модель для выделения научных тематических трендов]	Komp'juternaja Lingvistika i Intellektual'nye Tehnologii	2023	10.28995/2075-7182-2023-22-88-103
Cyclic Liquid Nitrogen Fracturing Performance on Coal with Various Coal Ranks: Laboratory Investigation and Mechanism Analysis	SPE J	2023	
Nature of Dielectric Relaxation in SrTiO3: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
Ferromagnetic instability in itinerant fcc lattice electron systems with higher-order van Hove singularities: Functional renormalization group study	Physical Review B	2023	10.1103/PhysRevB.107.115105

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
КВАНТОВЫЕ ОСЦИЛЛЯЦИИ МЕЖСЛОЙНОЙ ПРОВОДИМОСТИ В МНОГОСЛОЙНОМ ТОПОЛОГИЧЕСКОМ ИЗОЛЯТОРЕ	Журнал экспериментальной и теоретической физики	2023	
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 ϵ 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
1H NMR and EPR Spectroscopies Investigation of Alginate Cross-Linking by Divalent Ions	Materials	2023	10.3390/ma16072832

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

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-β 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 SADCP measurements and satellite altimetry	Frontiers in Marine Science	2023	10.3389/fmars.2023.1111541
Large chocked 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	

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 migraţiile de populaţie 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 Escherichia coli и производных пиразин-2-карбоксамида	Кристаллография	2023	
Preliminary X-ray Study of Crystals Obtained by Co-Crystallization of Hypoxanthine–Guanine Phosphoribosyltransferase from Escherichia coli 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 Dermatophagoides pteronyssinus	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 Dermatophagoides pteronyssinus	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	

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 Tolypothrix campylonemoides	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 Tolypothrix campylonemoides	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	

Взаимосвязь порога ВРМБ и ВРМБ-усиления	Квантовая электроника	2023	
Influence of Increased Radiation Background on Antioxidative Responses of Helianthus tuberosus 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

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 Reletively 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

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 РЁБЕР 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

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	

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+ has higher propensity than K+ 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 IXODES PERSULCATUS И I. PAVLOVSKYI 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

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 La2CuO4	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 La2CuO4	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

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/smtd.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- ? 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

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.jpclett.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.jpclett.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

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, Trichobranchidae) 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

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.jpcb.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

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–β-Cyclodextrin–Cyclohexane Complexes at Room Temperature	High Energy Chemistry	2023	10.1134/S001814392301006X
Долгоживущая замедленная флуоресценция тройных комплексов нафталин-β-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

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	

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	

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 ²⁰⁸Pb-²⁰⁸Pb 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 α-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 Phα1β 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 α-гарпинина, блокирующего калиевые каналы KV1.3	Российский физиологический журнал им. И.М. Сеченова	2023	
Structure elucidation of Keroplatus (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

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 alpha7 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 α7 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 α-ENaC/ASIC1a/γ-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 undecimdonta	Organic Letters	2023	10.1021/acs.orglett.3c01696
Aβ1-42 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	

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	Rossijskij 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

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 BaFe12-x(Ti/Mn/Ga/In)xO19 (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-Оттуг (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	

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

Viscosity optimisation of photosensitive Al2O3 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 MoS2 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 × 10 21 protons on target	European Physical Journal C	2023	10.1140/epjc/s10052-023-11819-x

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 3.6×1021 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	

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 l₁ и l₂-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	

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 ϕ(1020) production in p-Pb collisions at sNN =8.16 TeV	Physical Review C	2023	10.1103/PhysRevC.107.055201
Constraining hadronization mechanisms with Λc+/D0 production ratios in Pb–Pb collisions at sNN=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 √s = 5.02 TeV	European Physical Journal C	2023	10.1140/epjc/s10052-022-10896-8
Measurement of anti-3He 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 χ_{cJ} в эксперименте alice на большом адронном коллайдере	Ядерная физика и инжиниринг	2023	
A measurement of the K⁺ → π⁺μ⁺μ⁻ 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 νμ and ν ¯ μ -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-τ 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

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; [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

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 суперянгиан 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

Gradient-free Federated Learning Methods with l 1 and l 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	

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-AlOx -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 α-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	

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

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 − → π 0 π 0 ψ 2(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- →ϕη′ 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 ηc (2S) →π+π-η decay	Physical Review D	2023	10.1103/PhysRevD.107.052007
Search for a scalar partner of the X (3872) via ψ (3770) decays into γηη′ and γπ+π-J/ψ	Physical Review D	2023	10.1103/PhysRevD.108.052012
Study of Λc+ → Λμ+νμ and test of lepton flavor universality with Λc+ → Λℓ+νℓ decays	Physical Review D	2023	10.1103/PhysRevD.108.L031105
Measurement of e+e−→ pK−Λ ¯ + 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 Δ 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 ψ (3686) → Λ Λ ¯ η′ decay	Physical Review D	2023	10.1103/PhysRevD.108.112014
Measurements of the branching fractions of the inclusive decays D0 (D+) →π+π+π-X	Physical Review D	2023	10.1103/PhysRevD.107.032002
Observation of a Vector Charmoniumlike State at 4.7 GeV/c2 and Search for Zcs in e+e- →k+K-J/ψ	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

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 brolucizumab	Vestnik Oftalmologii	2023	10.17116/oftalma202313906141
Search for tri-nucleon decays of 76 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 3T1(3H) → 5E(5D) Transition in the Fe2+ 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 моноатомных слоев EuS2	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 3T1(3H) → 5E(5D) иона Fe2+ 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 EuS2 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	
Малогабаритный 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

Self-Similar Solution to the Problem of Unsteady Film Condensation on a Vertical Semi-Infinite Plate	Fluid Dynamics	2023	10.1134/S001546282360195X
Повышение эффективности радиолинии 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

An Overview of the Special Issue on Seawater Bio-Optical Characteristics from Satellite Ocean Color Data	Remote Sensing	2023	10.3390/rs15041094
Индуцированные высыпания электронов из внутреннего радиационного пояса, зарегистрированные в Океании	Геомагнетизм и аэрономия	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 нефронтальных 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 диарилимидазолов: 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

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

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 $\Lambda_c^- \to n^- + X$	Physical Review D	2023	10.1103/PhysRevD.108.L031101
Search for baryon and lepton number violating decays of Ξ^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	

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	

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 χcJ → ω- ω ¯ +	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	

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

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 ς+ → Λe+νe	Physical Review D	2023	10.1103/PhysRevD.107.072010
Measurement of the cross sections for e+e- →ηπ+π- 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 Λc+ decays to Σ+K+K −, Σ+ φ and Σ+K+ π −(π 0)	Journal of High Energy Physics	2023	10.1007/JHEP09(2023)125
Measurement of the branching fraction of Ds+ → τ+ ντ via τ+ → μ+ νμ ν¯τ	Journal of High Energy Physics	2023	10.1007/JHEP09(2023)124
First Experimental Study of the Purely Leptonic Decay Ds∗+ →e+νe	Physical Review Letters	2023	10.1103/PhysRevLett.131.141802
Study of the e+e − → π + π − ω 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 η(1405)/η(1475) in J/ψ→γKS0KS0π0 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 Λ ¯ Threshold in e+e- →pK- Λ ¯ + c. c.	Physical Review Letters	2023	10.1103/PhysRevLett.131.151901
Precision measurement of the matrix elements for η →π+π-π0 and η →π0π0π0 decays	Physical Review D	2023	10.1103/PhysRevD.107.092007
Precision Measurement of the Decay ς+ →pγ in the Process J/ψ → ς+ ς ¯ -	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

Cross-section measurements of e+e- →ϕK+K- and e+e- →ϕ KS0 KS0 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/ψ → eμ	Science China: Physics, Mechanics and Astronomy	2023	10.1007/s11433-022-1995-0
Improved measurement of the branching fractions of the inclusive decays D+ → KS0 X and D0 → KS0 X	Physical Review D	2023	10.1103/PhysRevD.107.112005
Measurement of e+e- →ϕπ+π- 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 Ds+ →ωπ+η	Physical Review D	2023	10.1103/PhysRevD.107.052010
Measurement of e+e- → Λ Λ ¯ η from 3.5106 to 4.6988 GeV and study of Λ Λ ¯ mass threshold enhancement	Physical Review D	2023	10.1103/PhysRevD.107.112001
Measurement of branching fraction of Ds∗+ → Ds+ π0 relative to Ds∗+ → Ds+ γ	Physical Review D	2023	10.1103/PhysRevD.107.032011
Observation of e+e− → ppp¯n¯π− + c.c.*	Chinese Physics C	2023	10.1088/1674-1137/acb6eb
Search for the weak decay ψ(3686) → Λ+c Σ¯− + c.c.	Chinese Physics C	2023	10.1088/1674-1137/ac9895
Measurements of Normalized Differential Cross Sections of Inclusive π0 and KS0 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 ω- Decays and test of the Δi=1/2 rule	Physical Review D	2023	10.1103/PhysRevD.108.L091101
Measurement of e+e- →ϕη′ cross sections at center-of-mass energies from 3.508 to 4.951 GeV and search for the decay ψ (3770) →ϕη′	Physical Review D	2023	10.1103/PhysRevD.108.052015
Measurement of the absolute branching fraction of the inclusive decay Ds+ →π+π+π-X	Physical Review D	2023	10.1103/PhysRevD.108.032001
Measurement of Λ transverse polarization in e + e − collisions at √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 Ξ0- Ξ ¯ 0 pairs	Physical Review D	2023	10.1103/PhysRevD.108.L031106
Erratum to: Search for new hadronic decays of hc and observation of hc→ pp¯ η (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 ψ (3770) →ηJ/ψ	Physical Review D	2023	10.1103/PhysRevD.107.L091101
Search for an axion-like particle in radiative J/ψ 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

Алгоритм построениея 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 Problems1	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/ψ → Λ ¯ π+ ς-+ c. c. and J/ψ → Λ ¯ π- ς++ 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

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 ψ (3686) →ϕ KS0 KS0	Physical Review D	2023	10.1103/PhysRevD.108.052001
Erratum to: Measurement of e + e − → ωπ + π − 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 − → ωπ + π − cross section at √s = 2.000 to 3.080 GeV	Journal of High Energy Physics	2023	10.1007/JHEP01(2023)111
Observation of the ψ (3686) decays into ς+ ς ¯ -ω and ς+ ς ¯ -ϕ	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; [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	

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

Optimization of laser stabilization via self-injection locking to a whispering-gallery-mode microresonator: experimental study	Optics Express	2023	
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 Transitionin 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⁺_s 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

Изучение возможных фоновых процессов для поиска тяжелого нейтрино в распаде D⁺_s - м⁺N - м⁺м⁺п⁻ 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/ψ 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

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

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 ϵ-Fe2O3: 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

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
Поляроны 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

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 γ-УРАНЕ ПРИ ИЗБЫТКЕ МЕЖДОУЗЕЛЬНЫХ АТОМОВ: СВЯЗЬ МОЛЕКУЛЯРНОЙ ДИНАМИКИ И КИНЕТИКИ	Журнал экспериментальной и теоретической физики	2023	
Formation, Diffusion, and Growth of Gas Bubbles in γ-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; [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; [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 CrI3 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 WS₂ и MoS₂, 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

Laser-driven first-order spin reorientation and Verwey phase transitions in magnetite Fe3 O4 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 j-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
WHEN IS THE AUTOMORPHISM GROUP OF AN AFFINE VARIETY NESTED?	Transformation Groups	2023	10.1007/s00031-022-09711-1
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	

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; [Экспериментальное сравнение алгоритмов поиска вектора PageRank]	Computer Research and Modeling	2023	10.20537/2076-7633-2023-15-2-369-379
Синтез, антибактериальные и антимонооксидазные 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
Synthesis, Antibacterial, and Antimonooxidase Activity of 4-(2-Methyl-1,3-oxazol-5-yl)benzenesulfonamide	Russian Journal of General Chemistry	2023	10.1134/S1070363223110038
Two-Dimensional Plasmons in Laterally Confined 2D Electron Systems	Nanomaterials	2023	10.3390/nano13060975
Molecules promoting circulating clusters of cancer cells suggest novel therapeutic targets for treatment of metastatic cancers	Frontiers in Immunology	2023	10.3389/fimmu.2023.1099921
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
Сбалансированные 2-подмножества	Математические заметки	2023	

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 PRIMPOL 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
Snapper: high-sensitive detection of methylation motifs based on Oxford Nanopore reads	Bioinformatics	2023	10.1093/bioinformatics/btad702
Tissue-Oxygen-Adaptation of Bone Marrow-Derived Mesenchymal Stromal Cells Enhances Their Immunomodulatory and Pro-Angiogenic Capacity, Resulting in Accelerated Healing of Chemical Burns	International Journal of Molecular Sciences	2023	10.3390/ijms24044102
Evaluation of the Antioxidant Properties and Cytotoxic Activity of 1,3-dioxolane Derivatives Imidazole	Drug Development and Registration	2023	10.33380/2305-2066-2023-12-4(1)-1655
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
Mathematical Models of Modern Power Save Mechanisms in Wi-Fi Networks	Journal of Communications Technology and Electronics	2023	10.1134/S106422692314005X
Study of Meson Sources on CMS Experiment Data	Bulletin of the Lebedev Physics Institute	2023	10.3103/S1068335623010025
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/s41567-023-01992-x

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 γh2ax and 53bp1 Foci Number in Human Mesenchymal Stromale Cells Incubated with3h-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. Ээрбек (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

Microplotter Printing of Hierarchically Organized Planar NiCo2O4 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
Selective Pathway toward Heteroleptic Spin-Crossover Iron(II) Complexes with Pyridine-Based N-Donor Ligands	Inorganic Chemistry	2022	10.1021/acs.inorgchem.2c03270
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-Mo3S4 phase as promising contact for MoS2	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
Selective Pathway toward Heteroleptic Spin-Crossover Iron(II) Complexes with Pyridine-Based N-Donor Ligands	Inorganic Chemistry	2022	

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	
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	International Journal for Quality Research	2022	10.24874/IJQR16.04-06
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

Adolescent transport and unintentional injuries: a systematic analysis using the Global Burden of Disease Study 2019	The Lancet Public Health	2022	10.1016/S2468-2667(22)00134-7
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 векторныхвозможностей 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
Acute behavioral and Neurochemical Effects of Novel N-Benzyl-2-Phenylethylamine Derivatives in Adult Zebrafish	ACS Chemical Neuroscience	2022	10.1021/acschemneuro.2c00123
Исследование спектров отражения и пропускания массивов гетерогенных ферромагнитных нанопроволок в терагерцовом и дальнем инфракрасном диапазонах	Журнал технической физики	2022	
Beam dynamics of the project DARIA RFQ	VESTN ST PET U-P MAT	2022	
Synergistic HNO3–H2SO4–NH3 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	

Cross-Polarization Effects in Metasurfaces Based on Nanoscale Silicon Cuboids with a Shape Defect: Implications for Polarization Conversion	ACS Applied Nano Materials	2022	10.1021/acsanm.2c02946
Topological phase singularities in atomically thin high-refractive-index materials	Nature Communications	2022	10.1038/s41467-022-29716-4
Exceptional middle latitude electron precipitation detected by balloon observations: implications for atmospheric composition	Atmospheric Chemistry and Physics	2022	10.5194/acp-22-6703-2022
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
Bacterial Outer Membrane Permeability Increase Underlies the Bactericidal Effect of Fatty Acids From Hermetia illucens (Black Soldier Fly) Larvae Fat Against Hypermucoviscous Isolates of Klebsiella pneumoniae	Frontiers in Microbiology	2022	10.3389/fmicb.2022.844811
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
Pre-Equilibrium Clustering in Production of Spectator Fragments in Collisions of Relativistic Nuclei	Particles	2022	10.3390/particles5010004
Установка для экспериментального исследования движения тела с переменной массой	Физическое образование в ВУЗах	2022	
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 спектаторной материи в центральных ядро-ядерных столкновениях?	Физика элементарных частиц и атомного ядра	2022	
On the Concept of Plasma Mass-Separation in Crossed E × B Fields with a Potential Well (a Review)	Plasma Physics Reports	2022	10.1134/S1063780X22601912

Intertube Excitonic Coupling in Nanotube Van der Waals Heterostructures	Advanced Functional Materials	2022	10.1002/adfm.202104969
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
Моделирование свойств жёсткости наноразмерных структур кремниевой электроники с учётом неровности	Ученые записки физического факультета Московского университета	2022	
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
Energy-Efficient Photonic Memory Cell with Spatially Separated Recording/Erasing and Readout Channels	Physica Status Solidi (B) Basic Research	2022	10.1002/pssb.202200060
Personalized targeted therapy prescription in colorectal cancer using algorithmic analysis of RNA sequencing data	BMC Cancer	2022	10.1186/s12885-022-10177-3
Multiomic Profiling Identified EGF Receptor Signaling as a Potential Inhibitor of Type I Interferon Response in Models of Oncolytic Therapy by Vesicular Stomatitis Virus	International Journal of Molecular Sciences	2022	10.3390/ijms23095244
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
Instability of the attachment line boundary layer in a supersonic swept flow	Journal of Fluid Mechanics	2022	10.1017/jfm.2021.1077
Напечатанные на 3D-принтере фазовые волновые пластины для создания терагерцовых пучков с линейным распределением мощности	Известия вузов. Радиофизика	2022	
Перехват баллистических ракет на активном участке траектории	Прикладная математика и механика	2022	
Light-activated polymer nanoparticles for image-guided breast cancer treatment	2022 International Conference Laser Optics, ICLO 2022 - Proceedingss	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

Luminescence confocal microscopy of 3D components of photonic integrated circuits fabricated by two-photon photopolymerization	Journal of Science: Advanced Materials and Devices	2022	10.1016/j.jsamd.2021.100413
Theoretical Study of the Electronic and Transport Properties of Lateral 2D–1D–2D Graphene–CNT–Graphene Structures	JETP Letters	2022	10.1134/S0021364022020114
Unravelling of a [High Spin—Low Spin] ↔ [Low Spin—High Spin] Equilibrium in Spin-Crossover Iron(II) Dinuclear Helicates Using Paramagnetic NMR Spectroscopy	Angewandte Chemie - International Edition	2022	10.1002/anie.202110310
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
Biobanks as an important tool in modern translational oncology	Biological Communications	2022	
Epigenetic Stress and Long-Read cDNA Sequencing of Sunflower (Helianthus annuus L.) Revealed the Origin of the Plant Retrotranscriptome	Plants	2022	10.3390/plants11243579
The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019	The Lancet Oncology	2022	10.1016/S1470-2045(21)00581-7
A Pipeline NanoTRF as a New Tool for De Novo Satellite DNA Identification in the Raw Nanopore Sequencing Reads of Plant Genomes	Plants	2022	10.3390/plants11162103
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
Mapping development and health effects of cooking with solid fuels in low-income and middle-income countries, 2000–18: a geospatial modelling study	The Lancet Global Health	2022	10.1016/S2214-109X(22)00332-1
Synthesis, crystal polymorphism and spin crossover behavior of adamantylboron-capped cobalt(ii) hexachloroclathrochelate and its transformation into the CoIIICoIICoIII-bis-macrobicyclic derivative	Dalton Transactions	2022	10.1039/d2dt03300c
Towards Modeling Anhedonia and Its Treatment in Zebrafish	International Journal of Neuropsychopharmacology	2022	10.1093/ijnp/pyab092
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

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
Study of the Compton Scattering of Entangled Annihilation Photons	Physics of Particles and Nuclei Letters	2022	10.1134/S1547477122050405
Setup of Compton polarimeters for measuring entangled annihilation photons	Journal of Instrumentation	2022	10.1088/1748-0221/17/03/P03010
Physics of microscopic vehicular traffic prediction for automated driving	Physical Review E	2022	10.1103/PhysRevE.106.044307
The Mack's amplitude method revisited	Theoretical and Computational Fluid Dynamics	2022	10.1007/s00162-021-00575-x
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
Определение источников знаний о технологиях микро- и наноэлектроники	Russian Technological Journal	2022	
Peeling away neutron skin in ultracentral collisions of relativistic nuclei	European Physical Journal A	2022	10.1140/epja/s10050-022-00832-5
Unsymmetrical Methacrylate-Containing Benzylidene Cyclopentanone Dyes in One- and Two-Photon Photopolymerization	High Energy Chemistry	2022	10.1134/S0018143922050174
Observation of the temperature and barometric effects on the cosmic muon flux by the DANSS detector	European Physical Journal C	2022	10.1140/epjc/s10052-022-10471-1
Erratum to: Refractive X-Ray Lenses Made by the Two-Photon Laser Lithography Method (Physics of Wave Phenomena, (2022), 30, 5, (325-329), 10.3103/S1541308X22050089)	Physics of Wave Phenomena	2022	10.3103/S1541308X22060085
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/acsphotonics.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
Reflectometric Measurement of Temperature Using a Single-Mode–Multimode–Single-Mode Fiber-Optic Structure	Technical Physics Letters	2022	10.1134/S1063785022080016
Biobanks as an important tool in modern translational oncology	Biological Communications	2022	10.21638/SPBU03.2022.405
Optimizing deposition regimes to fabricate vanadium dioxide film for active metasurfaces; [Оптимизация режимов осаждения пленки диоксида ванадия для активных метаповерхностей]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2022	10.18721/JPM.153.358

Smoking Gun of Nuclear Clusterization in Collisions of Light Relativistic Nuclei	Physics of Atomic Nuclei	2022	10.1134/S1063778823010556
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
Термокаталитический газовый сенсор на основе наночастиц палладия, синтезируемых методом искровой абляции	Современные инновации, системы и технологии	2022	
Refractive X-Ray Lenses Made by the Two-Photon Laser Lithography Method	Physics of Wave Phenomena	2022	10.3103/S1541308X22050089
Скорость вращения плазмы в отражательном разряде с термокатодом	Журнал технической физики	2022	
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; [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
Moiré Diamones: New Diamond-like Films of Semifunctionalized Twisted Graphene Layers	Journal of Physical Chemistry Letters	2022	10.1021/acs.jpclett.2c00948
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

On the Anomalous Behavior of the Optical Density of Iron Nanoparticles under Heating by a Shock Wave	High Temperature	2022	10.1134/S0018151X22020110
Modification of Bounded J-Ramp Method to monitor reliability and charge degradation of gate dielectric of MIS devices	Proceedings of SPIE - The International Society for Optical Engineering	2022	10.1117/12.2623812
Numerical Simulation of Gas Injection Effect on Boundary Layer Instability for Space Vehicles	IUTAM Bookseries	2022	10.1007/978-3-030-67902-6_8
The radiation-induced preparation of ultrasmall gold nanoparticles in Au(III) complexes with units of poly(1-vinyl-1,2,4-triazole) and poly(1-vinyl-1,2,4-triazole) – poly(acrylic acid)	Colloids and Interface Science Communications	2022	10.1016/j.colcom.2022.100602
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
Non-Invasive Differential Diagnosis of Cervical Neoplastic Lesions by the Lipid Profile Analysis of Cervical Scrapings	Metabolites	2022	10.3390/metabo12090883
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 характеристикамс использованием инверсного синтеза аппертуры 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

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
Метод определения положения вспомогательной антенны относительно полотна калибруемой фазированной антенной решетки без использования аппаратуры топогеодезической привязки	Радиотехника	2022	
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
Dualities in quantum integrable many-body systems and integrable probabilities. Part I	Journal of High Energy Physics	2022	10.1007/JHEP04(2022)159
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
КОММЕНТАРИЙ К СТАТЬЕ "ДОСТАТОЧНО ЛИ СОСТОЯНИЙ ЛОВУШЕК (DECOY STATE-МЕТОДА) ДЛЯ ГАРАНТИИ СЕКРЕТНОСТИ КЛЮЧЕЙ В КВАНТОВОЙ КРИПТОГРАФИИ?" С. Н. МОЛОТКОВА, К. С. КРАВЦОВА, М. И. РЫЖКИНА И К ПОПРАВКЕ К ЭТОЙ СТАТЬЕ	Журнал экспериментальной и теоретической физики	2022	
Количественная валидация функции полезностисредних общеобразовательных школ в зависимости от понесенных затрат и определение ее ключевыхпараметров	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2022	

Binary Two-Phase Gratings Formed on the Surface of Ge2Sb2Te5Thin Film by Femtosecond Laser Pulses	2022 International Conference Laser Optics, ICLO 2022 - Proceedingss	2022	10.1109/ICLO54117.2022.9840217
ЦИФРОВЫЕ И КОММУНИКАЦИОННЫЕ ТЕХНОЛОГИИ НА ПРИМЕРЕ ОБУЧАЮЩЕЙ СРЕДЫ MOODLE	Информатизация образования и науки	2022	
New opportunities for non-drug treatment of insomnia using sleep normalization medical device SONYA; [Novye vozmozhnosti nelekarstvennoi korrektsii insomnii s pomoshch'yu apparata dlya normalizatsii sna SONYa]	Zhurnal nevrologii i psikhiatrii imeni S.S. Korsakova	2022	10.17116/jnevro202212205235
Glacier parameterization in SLAV numerical weather prediction model	Russian Journal of Numerical Analysis and Mathematical Modelling	2022	10.1515/rnam-2022-0016
МАТЕМАТИЧЕСКОЕ МОДЕЛИРОВАНИЕ РЫНКА ПОТРЕБИТЕЛЬСКОГО КРЕДИТА В РОССИИ В УСЛОВИЯХ САНКЦИЙ	Доклады Российской академии наук. Математика, информатика, процессы управления	2022	
Numerical assessment of aortic valve coaptation after neo-cuspidation procedure	Kardiologiya i Serdechno-Sosudistaya Khirurgiya	2022	10.17116/kardio202215041369
Степенные тела минимального сопротивления в газовом потоке	Вестник Московского государственного областного университета. Серия: Физика-математика	2022	
Об аэродинамической задаче Ньютона	Вестник Московского государственного областного университета. Серия: Физика-математика	2022	
High-Speed Multi-person Tracking Method Using Bipartite Matching	Lecture Notes in Networks and Systems	2022	10.1007/978-3-030-80119-9_51
Humans Digital Avatar Reconstruction for Tactical Situations Animation	Lecture Notes in Networks and Systems	2022	10.1007/978-3-030-80119-9_40
Несжимаемый пограничный слой с противотоками при заданном градиенте давления	Журнал вычислительной математики и математической физики	2022	
Самоиндуцированный подсос жидкости в турбулентный пограничный слой на проницаемой поверхности	Журнал вычислительной математики и математической физики	2022	
Transitional Intermittency in a Flat Plate Boundary Layer Subjected to Elevated Free-Stream Turbulence	IUTAM Bookseries	2022	10.1007/978-3-030-67902-6_20
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
Incompressible Boundary Layer with Counterflows at a Given Pressure Gradient	Computational Mathematics and Mathematical Physics	2022	
РАЗРАБОТКА АЛГОРИТМОВ ФОРМИРОВАНИЯ РЕКОМЕНДАЦИЙ ЛЕТЧИКУ-ИСПЫТАТЕЛЮ ПО КОРРЕКЦИИ ПОЛОЖЕНИЙ ОРГАНОВ УПРАВЛЕНИЯ ЛЕТАТЕЛЬНОГО АППАРАТА В ПРОЦЕССЕ ВЫПОЛНЕНИЯ ЛЕТНОГО ЭКСПЕРИМЕНТА	Авиакосмическое приборостроение	2022	
Incompressible Boundary Layer with Counterflows at a Given Pressure Gradient	Computational Mathematics and Mathematical Physics	2022	10.1134/S0965542522060057

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
Optimized nonlocal active sound control in frequency domain	Applied Acoustics	2022	10.1016/j.apacoust.2021.108506
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
Электронная зонная структура, распределение зарядовой плотности и химическая связь в молекулярных кристаллах халькогенов	Физика твердого тела	2022	
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
Variational data assimilation for a sea dynamics model	Russian Journal of Numerical Analysis and Mathematical Modelling	2022	10.1515/rnam-2022-0011
Nonlinear Finite Volume Method for the Interface Advection-Compression Problem on Unstructured Adaptive Meshes	Computational Mathematics and Mathematical Physics	2022	10.1134/S0965542522060148
Analytical Approximations of the Characteristics of Nighttime Hydroxyl on Mars and Intra-Annual Variations	Solar System Research	2022	10.1134/S0038094622330024
Simplified Relations for the Martian Night-Time OH* Suitable for the Interpretation of Observations	Remote Sensing	2022	10.3390/rs14163866
Direct single-pass writing of two-phase binary diffraction gratings in a Ge2Sb2Te5 thin film by femtosecond laser pulses	Optics and Laser Technology	2022	10.1016/j.optlastec.2022.108212

New thieno[3,2-b]indole conjugates with 5-(methylene)rhodanine-3-acetic acid in dye-sensitized solar cells	Mendeleev 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/S0005117922010014 9
Алгоритм распознавания летающих объектов в оптическом видеопотоке в условиях динамически изменяющегося фона	Вестник Концерна ВКО "Алмаз – Антей"	2022	
Систематические и программные ошибки приизмерении 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

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 ГАЗОТУРБИННЫХУСТАНОВОК	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, смоделированнойпотенциальным 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 подъёмной 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 δ13C 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

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
Transcriptomic Analysis of DNA Repair Pathways in Human Non-Small Cell Lung Cancer Cells Surviving Multifraction X-Ray Irradiation	Bulletin of Experimental Biology and Medicine	2022	10.1007/s10517-022-05586-0
NORMAL VIBRATIONS OF SAGGING CONDUCTORS OF OVERHEAD POWER LINES	International Journal for Computational Civil and Structural Engineering	2022	10.22337/2587-9618-2022-18-3-147-158
Performance evaluation of dye-sensitized solar cells (DSSCs) based on metal-free thieno[3,2-b]indole dyes	Journal of Materials Science: Materials in Electronics	2022	10.1007/s10854-022-07805-w
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
Beta-catenin and PDGFRB modulate HIF1a in desmoid cells to promote sorafenib-sensitive paracrine signaling pathways	CANCER RES	2022	
Beta-catenin and PDGFRB modulate HIF1a in desmoid cells to promote sorafenib-sensitive paracrine signaling pathways.	CANCER RES	2022	
Utilization of DNA double-strand breaks for biodosimetry of ionizing radiation exposure	Environmental Advances	2022	10.1016/j.envadv.2022.100207
Methane Concentration and δ13C Isotopic Signature in Methane over Arctic Seas in Summer and Autumn 2020	Oceanology	2022	10.1134/S0001437022060108

Фенотипические характеристики дормантных клеток немелкоклеточного рака лёгкого человека, выживших после мультифракционного рентгеновского облучения	Бюллетень экспериментальной биологии и медицины	2022	
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 Distantsionnogo 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

ВОЛНЫ ПУАНКАРЕ И ВОЛНЫ РОССБИ В СЖИМАЕМЫХ ТЕЧЕНИЯХ 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 (π,K,p) in Pb–Pb collisions at sNN= 2.76 TeV	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	2022	10.1016/j.physletb.2022.137338
Production of Λ and KS0 in jets in p–Pb collisions at sNN=5.02 TeV and pp collisions at s=7 TeV	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	2022	10.1016/j.physletb.2022.136984
KS0KS0 and KS0K± femtoscopy in pp collisions at 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 √s=13TeV	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 sNN =5.02 TeV	Physical Review Letters	2022	10.1103/PhysRevLett.128.252003
Measurement of K∗(892)± 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/ψ production at midrapidity in p-Pb collisions at √sNN = 5.02 TeV	Journal of High Energy Physics	2022	10.1007/JHEP06(2022)011
Forward rapidity J/ψ production as a function of charged-particle multiplicity in pp collisions at s $$ \sqrt{s} $$ = 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 D0, D+, and D*+ production in Pb–Pb collisions at √sNN = 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 √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP01(2022)106
Observation of a multiplicity dependence in the pT-differential charm baryon-to-meson ratios in proton–proton collisions at s=13 TeV	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	2022	10.1016/j.physletb.2022.137065

Extending the ALICE strong-interaction studies to nuclei: measurement of proton-deuteron correlations in pp collisions at √s = 13 TeV	Proceedings of Science	2022	
Measurements of the groomed and ungroomed jet angularities in pp collisions at √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 α-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 sNN=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 χcJ States at the ALICE Experiment at the Large Hadron Collider	Physics of Atomic Nuclei	2022	10.1134/S1063778822140149
Production of K∗(892)0 and ϕ(1020) in pp and Pb-Pb collisions at sNN =5.02 TeV	Physical Review C	2022	10.1103/PhysRevC.106.034907
Neutral to charged kaon yield fluctuations in Pb – Pb collisions at sNN=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

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 √sNN = 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/ψ production cross sections at midrapidity in proton-proton collisions at √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 sNN =5.02 TeV	Physical Review Letters	2022	10.1103/PhysRevLett.128.102001
Measurement of beauty production via non-prompt D0 mesons in Pb-Pb collisions at √sNN = 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/ψ production as a function of charged-particle multiplicity in pp collisions at √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 √s=5.02 TeV	European Physical Journal C	2022	10.1140/epjc/s10052-022-10241-z
Exploring the NΛ–NΣ 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 Λ and ¯Λ Hyperons along the Beam Direction in Pb-Pb Collisions at √sNN=5.02 TeV	Physical Review Letters	2022	10.1103/PhysRevLett.128.172005

Measurement of prompt Ds+-meson production and azimuthal anisotropy in Pb–Pb collisions at sNN=5.02TeV	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 √s=13 TeV	European Physical Journal C	2022	10.1140/epjc/s10052-022-10267-3
Prompt and non-prompt J/ψ production cross sections at midrapidity in proton-proton collisions at s $$ \sqrt{\mathrm{s}} $$ = 5.02 and 13 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 dibenzoylmethanatoboron 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	

Long-lived room temperature phosphorescent system: Phenanthrene–β-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	

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
GEODYNAMIC MODEL OF THE INTERACTION BETWEEN THE CONTINENTAL LITHOSPHERE AND THE ACTIVE CONTINENTAL MARGIN IN EAST ASIA	Russian Journal of Earth Sciences	2022	10.2205/2022ES000787
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

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	
Author Correction: Discovery of widespread transcription initiation at microsatellites predictable by sequence-based deep neural network (Nature Communications, (2021), 12, 1, (3297), 10.1038/s41467-021-23143-7)	Nature Communications	2022	10.1038/s41467-022-28758-y
HiMoRNA: A Comprehensive Database of Human lncRNAs Involved in Genome-Wide Epigenetic Regulation	Non-coding RNA	2022	10.3390/ncrna8010018
Новые дизайны лазерных переходов в терагерцевых квантово-каскадных лазерах	Известия вузов. Радиофизика	2022	
RUNX1/CEBPA Mutation in Acute Myeloid Leukemia Promotes Hypermethylation and Indicates for Demethylation Therapy	International Journal of Molecular Sciences	2022	10.3390/ijms231911413
A mitochondria-specific mutational signature of aging: increased rate of A > G substitutions on the heavy strand	Nucleic Acids Research	2022	10.1093/nar/gkac779
ITAS: Integrated Transcript Annotation for Small RNA	Non-coding RNA	2022	10.3390/ncrna8030030
Lateral Border of a Small River Plume: Salinity Structure, Instabilities and Mass Transport	Remote Sensing	2022	10.3390/rs14153818
Mesoscale Eddies in the Black Sea and Their Impact on River Plumes: Numerical Modeling and Satellite Observations	Remote Sensing	2022	10.3390/rs14174149
Author Correction: Microplastics distribution in the Eurasian Arctic is affected by Atlantic waters and Siberian rivers (Communications Earth & Environment, (2021), 2, 1, (23), 10.1038/s43247-021-00091-0)	Communications Earth and Environment	2022	10.1038/s43247-022-00499-2
Determination of the Heating Rate and Temperature of an Ion Chain in a Linear Paul Trap by the Dephasing of Rabi Oscillations	JETP Letters	2022	10.1134/S0021364022601099
Tin disulfide with bright near-IR luminescence centers obtained at high pressures	Physical Review Materials	2022	10.1103/PhysRevMaterials.6.094605
The Technical State of Engineering Systems as an Important Factor of Heat Supply Organizations Management in Modern Conditions	Energies	2022	10.3390/en15031015
ВРЕМЕННАЯ ЗАВИСИМОСТЬ РЕЗОНАНСНЫХ ФОТОПРОЦЕССОВ, ИНДУЦИРОВАННЫХ ЭЛЕКТРОМАГНИТНЫМИ ИМПУЛЬСАМИ РАЗЛИЧНОЙ ДЛИТЕЛЬНОСТИ	Журнал экспериментальной и теоретической физики	2022	
Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at √s=7 , 8 and 13 TeV	European Physical Journal C	2022	10.1140/epjc/s10052-022-10217-z

Search for Higgs boson decays into a pair of pseudoscalar particles in the bbμμ final state with the ATLAS detector in pp collisions at s =13 TeV	Physical Review D	2022	10.1103/PhysRevD.105.012006
Two-particle Bose–Einstein correlations in pp collisions at √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	
Topological recursion for the extended Ooguri-Vafa partition function of colored HOMFLY-PT polynomials of torus knots	ADV THEOR MATH PHYS	2022	
Evolution for Khovanov polynomials for figure-eight-like family of knots	International Journal of Modern Physics A	2022	10.1142/S0217751X22502165
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
О дифференциальных уравнениях для диаграмм Фейнмана (Миниобзор)	Письма в Журнал экспериментальной и теоретической физики	2022	
Topological recursion for monotone orbifold Hurwitz numbers: a proof of the Do-Karev conjecture	Annali della Scuola Normale Superiore di Pisa - Classe di Scienze	2022	10.2422/2036-2145.201909_010
From superintegrability to tridiagonal representation of β-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

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 √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

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 - 1 of pp collisions at √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 b ¯ b b ¯ final state using pp collisions at 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 s =13 TeV with the ATLAS experiment	Physical Review D	2022	10.1103/PhysRevD.105.012001
Search for exotic decays of the Higgs boson into b b¯ and missing transverse momentum in pp collisions at √s = 13 TeV with the ATLAS detector	Journal of High Energy Physics	2022	10.1007/JHEP01(2022)063
Constraints on Higgs boson production with large transverse momentum using H →b 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 √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 tt¯ 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 tt¯ events using pp collision data at √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±→ τ±(→ π±ντ) ντ events in Run 2 data	European Physical Journal C	2022	10.1140/epjc/s10052-022-10117-2
Exotic meson π1 (1600) with JPC=1-+ and its decay into ρ (770)π	Physical Review D	2022	10.1103/PhysRevD.105.012005

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−1 of pp collision data at √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP03(2022)041
Probing transversity by measuring ? polarisation in SIDIS	PHYS LETT B	2022	
Constraints on Higgs boson properties using WW∗(→ eνμν) jj production in 36.1fb-1 of √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 √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
Spin-wave nonreciprocity and formation of lateral standing spin waves in CoFeB/Ta/NiFe meander-shaped films	Journal of Applied Physics	2022	10.1063/5.0102010
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 наноцилиндра 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 Eu3+→ Eu2+→ Eu3+in(Formula Presented.)(M= Ti, Zr, Hf):An Analysis of XAFS and XRD Data	Crystallography Reports	2022	10.1134/S1063774522060177

Attenuation and inflection of initially planar shock wave generated by femtosecond laser pulse	Optics and Laser Technology	2022	10.1016/j.optlastec.2022.108100
Вариации космических лучей в 2021 г. по данным наблюдений экспериментального комплекса Евразийского национального университета	Космические исследования	2022	
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-β 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

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-Uspekhi	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 балансному 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
Сочетание локальных и лидарных методов в задаче определения микрофизических свойстврассеивающей среды	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2022	
Study of Geodesic Lenses with a Taper	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922050102

Characterization of the Parameters of Superconducting NbN and NbTiN Films Using Parallel Plate Resonator	IEEE T APPL SUPERCON	2022	
Волоконные брэгговские решётки с наклонными штрихами и сенсоры на их основе	Успехи физических наук	2022	
The Role of Receptivity in Prediction of High-Speed Laminar-Turbulent Transition	IUTAM Bookseries	2022	10.1007/978-3-030-67902-6_47
Последние результаты по образованию (анти-)гиперядер на БАК в эксперименте ALICE	Физика элементарных частиц и атомного ядра	2022	
Использование языка программирования Julia для расчета равновесного состава многокомпонентной газофазной системы	Вестник Объединенного института высоких температур	2022	
Optimized scintillation strip design for the DANSS upgrade	Journal of Instrumentation	2022	10.1088/1748-0221/17/04/P04009
Erratum to: Several Articles in JETP Letters (JETP Letters, (2022), 115, 2, (93-97), 10.1134/S0021364022020114)	JETP Letters	2022	10.1134/S0021364022340021
Плазмообразование на токонесущих электродах установки Ангара-5-1*	Физика плазмы	2022	
Modified Zakharov–Kuznetsov Equation for Describing Low-Frequency Nonlinear Perturbations in Plasma of the Dusty Moon Exosphere	Plasma Physics Reports	2022	10.1134/S1063780X22600657
Электрозвуковые волны в PT-симметричной структуре пьезоэлектриков вблизи особой точки	Письма в Журнал технической физики	2022	
Phononic manipulation of antiferromagnetic domains in NiO	New Journal of Physics	2022	10.1088/1367-2630/ac4ce4
Ferrimagnet based spin Hall detector of subterahertz frequency signals	Applied Physics Letters	2022	10.1063/5.0112050
Theory of Antiferromagnet-Based Detector of Terahertz Frequency Signals	Magnetochemistry	2022	10.3390/magnetochemistry8020026
Nonlinear Resonance upon the Excitation of a Magnetic Nanocylinder by a Spin-Polarized Current	JETP Letters	2022	10.1134/S0021364022601774
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
Assessing performance of the Healthcare Access and Quality Index, overall and by select age groups, for 204 countries and territories, 1990–2019: a systematic analysis from the Global Burden of Disease Study 2019	The Lancet Global Health	2022	10.1016/S2214-109X(22)00429-6
Automatic Training Data Filtering for Errors Removing and Improving the Quality of the Final Neural Network	Информационные технологии и вычислительные системы	2022	

Joint manifestation of quasi-phase-matching and resonance enhancement of harmonics in laser-induced plasmas	Optics Continuum	2022	10.1364/OPTCON.454617
"HEALING CRACKS" ON FOSSIL TEETH: IMPROVEMENT OF ODONTOLOGICAL STUDY METHODS IN PALAEONTOLOGICAL RESEARCH	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	2022	10.5194/isprs-archives-XLIII-B2-2022-809-2022
Nanocomposite parylene-C memristors with embedded Ag nanoparticles for biomedical data processing	Organic Electronics	2022	10.1016/j.orgel.2022.106455
Structural perfection of Fe1-xGaxBO3 single crystals designed for nuclear resonant synchrotron experiments	Journal of Alloys and Compounds	2022	10.1016/j.jallcom.2021.161702
Microscopic Traffic Prediction for Automated Driving	2022 Systems of Signals Generating and Processing in the Field of on Board Communications, SOSG 2022 - Conference Proceedings	2022	10.1109/IEEECONF53456.2022.9744284
The size effect of faceted detonation nanodiamond particles on electrorheological behavior of suspensions in mineral oil	Diamond and Related Materials	2022	10.1016/j.diamond.2022.108967
Effect of Different Forms of Silver on Biological Objects	Nanobiotechnology Reports	2022	10.1134/S2635167622020021
Artificial Anisotropy in Ge2Sb2Te5 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
The Provenance Study of the Raw Materials of the Ancient Terracotta Found near the Crimean Bridge: Natural-Science Approach	Crystallography Reports	2022	10.1134/S1063774522070458
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 Ag2O 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
Delayed Impact of 2-Oxoadipate Dehydrogenase Inhibition on the Rat Brain Metabolism Is Linked to Protein Glutarylation	Frontiers in Medicine	2022	10.3389/fmed.2022.896263
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
Pulse Programming of Resistive States of a Benzothieno[3,2-B][1]-Benzothiophene-Based Organic Memristive Device with High Endurance	Physica Status Solidi - Rapid Research Letters	2022	10.1002/pssr.202100471

Digital Chromatography Spectra for the Verification of Russian Wines	Nanobiotechnology Reports	2022	10.1134/S263516762206009X
Immobilized on MgCl2 bis(phenoxy-imine) complexes of Ti and Zr as catalysts for preparing UHMWPE and ethylene/higher α-olefin copolymers	Polymer Bulletin	2022	10.1007/s00289-021-03885-6
A review of motor neural system robotic modeling approaches and instruments	Biological Cybernetics	2022	10.1007/s00422-021-00918-1
Production of Spherical Boron-Carbide Particles Encapsulated in a Graphite Shell	Nanobiotechnology Reports	2022	
The effect of aliphatic chain length on the self-assembly of wedge-shaped cesium 3,4,5-tris(alkyloxy)benzenesulfonates	Molecular Systems Design and Engineering	2022	10.1039/d2me00218c
Gluconobacter Oxydans-Based MFC with PEDOT:PSS/Graphene/Nafion Bioanode for Wastewater Treatment	Biosensors	2022	10.3390/bios12090699
Effect of Acute Hypoxia on Oxidative Stress Indices in Rat Offspring at Different Stages of Gestation	Moscow University Biological Sciences Bulletin	2022	10.3103/S0096392522020043
AlgalTextile - a new biohybrid material for wastewater treatment	Biotechnology Reports	2022	10.1016/j.btre.2021.e00698
Влияние дрейфа часов на эффективность механизмов энергосбережения в сетях Wi-Fi	Информационные процессы	2022	
Analyzing the Content of Business Documents Recognized with a Large Number of Errors Using Modified Levenshtein Distance	Studies in Systems, Decision and Control	2022	10.1007/978-3-030-95116-0_22
Electrokinetic Properties of a Hydrogel Based on PVA, Xanthan, and PEDOT:PSS	Nanobiotechnology Reports	2022	10.1134/S2635167622060027
Quasi-phase matching of high harmonics driven by mid-IR: toward the efficiency drop compensation	Journal of the Optical Society of America B: Optical Physics	2022	10.1364/JOSAB.451112
Erratum to: Effect of Different Forms of Silver on Biological Objects (Nanobiotechnology Reports, (2022), 17, 2, (155-164), 10.1134/S2635167622020021)	Nanobiotechnology Reports	2022	10.1134/S2635167622030235
Molecular Shape Solution for Mesoscopic Remodeling of Cellular Membranes	Annual Review of Biophysics	2022	10.1146/annurev-biophys-011422-100054
Diabetes mortality and trends before 25 years of age: an analysis of the Global Burden of Disease Study 2019	The Lancet Diabetes and Endocrinology	2022	10.1016/S2213-8587(21)00349-1
Artificial Intelligence Technologies for Business Continuity Protection in Industry 4.0	Smart Innovation, Systems and Technologies	2022	10.1007/978-981-16-9804-0_14
Оценка финансово-экономической результативности государственных инвестиций в программах академического превосходства вузов	Финансы и кредит	2022	
Impact of magnetic-field on the dynamic of gas bubbles in N-dimensions of non-Newtonian hybrid nanofluid: analytical study	Physica Scripta	2022	10.1088/1402-4896/ac8bb2

Microcavitation dynamics in viscoelastic tissue during histotripsy process	Journal of Physics Condensed Matter	2022	10.1088/1361-648X/ac6e20
Towards a Laser-Induced Microbubble during Lithotripsy Process in Soft Tissue	Bulletin of the Russian Academy of Sciences: Physics	2022	10.3103/S1062873822700290
Цифровая трансформация первичного звена медпомощи: необходимость и возможности	Управление качеством в здравоохранении	2022	
Применение технологий цифровых двойников в предсказательной аналитике и решении бизнес-задач	Ученые записки Международного банковского института	2022	
Искусственный интеллект: драйвер цифровой трансформации и источник экономических угроз	Ученые записки Международного банковского института	2022	
Bio-Inspired Surface Modification of Magnetite Nanoparticles with Dopamine Conjugates	Nanomaterials	2022	10.3390/nano12132230
Structural Rearrangements of Carbonic Anhydrase Entrapped in Sol-Gel Magnetite Determined by ATR–FTIR Spectroscopy	International Journal of Molecular Sciences	2022	10.3390/ijms23115975
Dispersion medium crystallization effect on the magnetic susceptibility of ferrofluids	Journal of Applied Physics	2022	10.1063/5.0086181
Optimization of Au-based nanoparticle-beacon system for biomedical applications	2022 International Conference Laser Optics, ICLO 2022 - Proceedingss	2022	10.1109/ICLO54117.2022.9840094
Nonthermal plasma in the induction of polycondensation processes and intermolecular dehydrochlorination of chloroethanes in the liquid phase	Plasma Processes and Polymers	2022	10.1002/ppap.202200008
Macrophage blockade using nature-inspired ferrihydrite for enhanced nanoparticle delivery to tumor	International Journal of Pharmaceutics	2022	10.1016/j.ijpharm.2022.121795
Delivery of Theranostic Nanoparticles to Various Cancers by Means of Integrin-Binding Peptides	International Journal of Molecular Sciences	2022	10.3390/ijms232213735
Gene and Small Molecule Delivery in vivo Using Novel Nanoparticle-based Systems	2022 International Conference Laser Optics, ICLO 2022 - Proceedingss	2022	10.1109/ICLO54117.2022.9840113
Phage-mimicking nanoagents for rapid depolymerase specificity screening against multidrug resistant bacteria	Biosensors and Bioelectronics	2022	10.1016/j.bios.2022.114444
Induced electric conductivity in organic polymers	Beilstein Journal of Nanotechnology	2022	10.3762/bjnano.13.128
Thiamine-dependent regulation of mammalian brain pyridoxal kinase in vitro and in vivo	Journal of Neurochemistry	2022	10.1111/jnc.15576
Assembling of Metal-Polymer Nanocomposites in Irradiated Solutions of 1-Vinyl-1,2,4-triazole and Au(III) Ions: Features of Polymerization and Nanoparticles Formation	Polymers	2022	10.3390/polym14214601
Получение сферических частиц карбида бора, инкапсулированных в графитовую оболочку	Российские нанотехнологии	2022	

ЭЛЕКТРОКИНЕТИЧЕСКИЕ СВОЙСТВА ГИДРОГЕЛЯ НА ОСНОВЕ ПВС, КСАНТАНА И ПЭДОТ ПСС	Российские нанотехнологии	2022	
Взаимодействие различных форм серебра с биологическими объектами	Российские нанотехнологии	2022	
Production of Spherical Boron-Carbide Particles Encapsulated in a Graphite Shell	Nanobiotechnology Reports	2022	10.1134/S2635167622030132
Surface Modification of Biomedical Scaffolds by Plasma Treatment	Crystallography Reports	2022	10.1134/S1063774522030233
Deep Learning-Based Segmentation of Post-Mortem Human's Olfactory Bulb Structures in X-ray Phase-Contrast Tomography	Tomography	2022	10.3390/tomography8040156
Application of Modified Levenshtein Distance for Classification of Noisy Business Document Images	Proceedings of SPIE - The International Society for Optical Engineering	2022	10.1117/12.2623437
АППАРАТНАЯ ЗАЩИТА UEFI-ПРОШИВКИ И NVRAM-ПАМЯТИ ЭВМ С ПОМОЩЬЮ РЕЗИДЕНТНОГО КОМПОНЕНТА БЕЗОПАСНОСТИ	Безопасность информационных технологий	2022	
Comparative Analysis of the Capacity of a Metro Circle Line	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922130137
Effects of Synthetic Short Cationic Antimicrobial Peptides on the Catalytic Activity of Myeloperoxidase, Reducing Its Oxidative Capacity	Antioxidants	2022	10.3390/antiox11122419
Analyzing the Interaction of Fluorescent-labeled Proteins with Artificial Phospholipid Microvesicles using Quantitative Flow Cytometry	Journal of Visualized Experiments	2022	10.3791/63459
Autoimmune Effect of Antibodies against the SARS-CoV-2 Nucleoprotein	Viruses	2022	10.3390/v14061141
Validating Amino Acid Variants in Proteogenomics Using Sequence Coverage by Multiple Reads	Journal of Proteome Research	2022	10.1021/acs.jproteome.2c00033
Progress in Methods for Copy Number Variation Profiling	International Journal of Molecular Sciences	2022	10.3390/ijms23042143
Microarray Profiling of Vaccination-Induced Antibody Responses to SARS-CoV-2 Variants of Interest and Concern	International Journal of Molecular Sciences	2022	10.3390/ijms232113220
7,8-Dihydro-8-oxo-1,N6-ethenoadenine: an exclusively Hoogsteen-paired thymine mimic in DNA that induces A→T transversions in Escherichia coli	Nucleic Acids Research	2022	10.1093/nar/gkac148
The Role of Immobilized Phospholipids in the Initiation of Blood Coagulation under Flow Conditions	Biologicheskie Membrany	2022	10.31857/S0233475522020049
Effects of Medicinal Leech-Related Cationic Antimicrobial Peptides on Human Blood Cells and Plasma	Molecules	2022	10.3390/molecules27185848
cNTnC and fYTnC2, Genetically Encoded Green Calcium Indicators Based on Troponin C from Fast Animals	International Journal of Molecular Sciences	2022	10.3390/ijms232314614
Analysis of microvascular thrombus mechanobiology with a novel particle-based model	Journal of Biomechanics	2022	10.1016/j.jbiomech.2021.110801

The Elaboration of Effective Coatings for Photonic Crystal Chips in Optical Biosensors	Polymers	2022	10.3390/polym14010152
The Role of Immobilized Phospholipids in the Initiation of Blood Coagulation under Flow Conditions	Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology	2022	10.1134/S1990747822020040
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
Auto-clustering Pairs Generation Method for Siamese Neural Networks Training	Proceedings of SPIE - The International Society for Optical Engineering	2022	10.1117/12.2623139
Tiny CNN for feature point description for document analysis: approach and dataset	Computer Optics	2022	10.18287/2412-6179-CO-1016
Method for Training a Compact Discrete Neural Network Descriptor	Proceedings of SPIE - The International Society for Optical Engineering	2022	10.1117/12.2623166
New Evidence for a Nonclassical Behavior of Laser Multimode Light	Optics	2022	10.3390/opt3010006
Comparative Analysis of Giant Optical Fluctuations in GaAs Quantum Wells of Different Widths	Bulletin of the Russian Academy of Sciences: Physics	2022	10.3103/S1062873822040190
Solving Large-Scale Linear Systems of Equations by a Quantum Hybrid Algorithm	Annalen der Physik	2022	10.1002/andp.202200082
Laser-induced quenching diagnostics of hydrogen atoms in fusion plasma	Plasma Physics and Controlled Fusion	2022	10.1088/1361-6587/ac89ad
On a force balance and role of cathode plasma in Hall effect thrusters	Plasma Sources Science and Technology	2022	10.1088/1361-6595/ac4179
Внешние биллиарды вне правильных многоугольников: ручной случай	Известия Российской академии наук. Серия математическая	2022	
Outer billiards outside regular polygons: tame case	Izvestiya Mathematics	2022	10.1070/IM8972
Composite metamorphic relations for integration testing	ACM International Conference Proceeding Series	2022	10.1145/3543712.3543725
About Semblance Filtering in (Tau-P)-Domain	IEEE Geoscience and Remote Sensing Letters	2022	10.1109/LGRS.2021.3078354
Защищенные информационные технологии в цифровой экономике	Вопросы защиты информации	2022	
Anticancer activity of G4-targeting phenoxazine derivatives in vitro	Biochimie	2022	10.1016/j.biochi.2022.07.001
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
Non-toxic antimicrobial peptide Hm-AMP2 from leech metagenome proteins identified by the gradient-boosting approach	Materials and Design	2022	10.1016/j.matdes.2022.111364
Optical Properties of Tricarboxylic Acid-Derived Carbon Dots	ACS Omega	2022	10.1021/acsomega.2c05503

Automated Service Configuration Management in IP/MPLS Networks	4th International Science and Technology Conference "Modern Network Technologies 2022", MoNeTec 2022 - Proceedings	2022	10.1109/MoNeTec55448.2022.9960765
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
Сравнительный анализ пропускной способности кольцевой линии метро	Информационные процессы	2022	
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
Грамматеус Генрих	Общенациональный интерактивный энциклопедический портал "Знания"	2022	
Комплексный росток Маслова и квазиклассические сжатые состояния в задаче Коши для уравнения Шредингера с дельта-потенциалом	Современная математика. Фундаментальные направления	2022	
Linear Waves Generated on the Liquid Surface by Time- and Space-Localized Sources in the Elastic Foundation Bottom	Fluid Dynamics	2022	10.1134/S0015462822030041
Распространение спиновых волн в наноразмерных магнонных кристаллах, модулированных по ширине и толщине	СВЧ-техника и телекоммуникационные технологии	2022	
Синтез углеродных точек и их применение в биомедицинских приложениях	Медицинская физика	2022	
CVD diamond-SiC composite films: Structure and electrical properties	Diamond and Related Materials	2022	10.1016/j.diamond.2022.108975
Плазмохимический комплекс синтеза микро- и наночастиц с контролируемыми составом и структурой на основе микроволнового разряда в гиротронном излучении	Известия вузов. Радиофизика	2022	
Estimation of the Wi-Fi Network Capacity when Using Restricted Access Window with Short Slots	J COMMUN TECHNOL EL+	2022	
A Model of the Big Bang and Universe Expansion in General Relativity with Spread of a Gas Mass from a Point to Empty Space (vol 26, pg 399, 2020)	GRAVIT COSMOL-RUSSIA	2022	
Influence of the Clock Drift on the Efficiency of the Power Save Mechanisms in Wi-Fi Networks	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922130149

Estimation of the Wi-Fi Network Capacity when Using Restricted Access Window with Short Slots	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922130150
Similarity Based Text Extractive Summarization Using Relevance Measure and Semantic Analysis	AIP Conference Proceedings	2022	10.1063/5.0124142
Performance Evaluation of Channel Access in NB-Fi Networks	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922060055
Performance Evaluation of Multi-Link Single-Radio and Multi-Radio Devices in Heterogeneous Wi-Fi 7 Networks	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922140030
Institutional Complementarity and Diversity of General Innovation Systems	AIP Conference Proceedings	2022	10.1063/5.0124147
Исследование стратегий использования множестваканалов для обслуживания трафика реального времени в сетях IEEE 802.11be	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2022	
Controllability of difference approximation for a control system with continuous time	Sbornik Mathematics	2022	10.4213/sm9681e
Algorithm for Adaptative Selection of a Contention Window in IEEE 802.11bd Networks	Journal of Communications Technology and Electronics	2022	10.1134/S106422692214008X
Performance Evaluation of Uplink Non-Orthogonal Multiple Access with Reservation Signals in Wi-Fi Networks	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922120105
Анализ производительности неортогонального множественного доступа в восходящем канале с резервирующими сигналами в сетях Wi-Fi	Информационные процессы	2022	
Изучение ядерной фрагментации на коллайдерах тяжелых ионов	Физика элементарных частиц и атомного ядра	2022	
Electro-Chemo-Mechanical Modeling of Artificial Solid Electrolyte Interphase to Enable Uniform Electrodeposition of Lithium Metal Anodes	Advanced Energy Materials	2022	10.1002/aenm.202103589
Beam dynamics of the project DARIA RFQ	Vestnik Sankt-Peterburgskogo Universiteta, Prikladnaya Matematika, Informatika, Protsessy Upravleniya	2022	10.21638/11701/SPBU10.2022.411
Трансфер технологий: цели, эффективность, риски	Цифровая экономика	2022	
Variation-Free Approach for Density Functional Theory: Data-Driven Stochastic Optimization	Industrial and Engineering Chemistry Research	2022	10.1021/acs.iecr.2c00547
Ice imaging in aircraft anti-icing fluid films using polarized light	Cold Regions Science and Technology	2022	10.1016/j.coldregions.2021.103459
A Hybrid Algorithm for Automated Adaptation of Hydrodynamic Models Using Tracer Research	Mathematical Models and Computer Simulations	2022	10.1134/S207004822201015X
Basic Principles Underlying the Size Dependence of the Hydrocarbon Ionization Energy	Journal of Experimental and Theoretical Physics	2022	10.1134/S1063776122110012
ФУНДАМЕНТАЛЬНЫЕ ОСНОВЫ ЗАВИСИМОСТИ ЭНЕРГИИ ИОНИЗАЦИИ УГЛЕВОДОРОДОВ ОТ ИХ РАЗМЕРА	Журнал экспериментальной и теоретической физики	2022	

Sharp bounds for the chromatic number of random Kneser graphs	J COMB THEORY B	2022	
The Extremal Number of Surfaces	International Mathematics Research Notices	2022	10.1093/imrn/rnab099
Infinite sets can be Ramsey in the Chebyshev metric	Russian Mathematical Surveys	2022	10.1070/RM10055
Odd-Distance Sets and Right-Equidistant Sequences in the Maximum and Manhattan Metrics	Doklady Mathematics	2022	10.1134/S106456242205012X
Reconstructing the degree sequence of a sparse graph from a partial deck	Journal of Combinatorial Theory. Series B	2022	10.1016/j.jctb.2022.07.004
Binary scalar products	Journal of Combinatorial Theory. Series B	2022	10.1016/j.jctb.2022.04.001
Choice number of Kneser graphs	Discrete Mathematics	2022	10.1016/j.disc.2022.113097
Almost Sharp Bounds on the Number of Discrete Chains in the Plane	Combinatorica	2022	10.1007/s00493-021-4853-6
Intersection Theorems for Triangles	Discrete and Computational Geometry	2022	10.1007/s00454-021-00295-3
VC-saturated set systems	European Journal of Combinatorics	2022	10.1016/j.ejc.2022.103528
Бесконечные множества могут быть рамсеевскими в метрике Чебышёва	Успехи математических наук	2022	
On the maximum number of distinct intersections in an intersecting family	Discrete Mathematics	2022	10.1016/j.disc.2021.112757
Many-body localization transition in a frustrated XY chain	Physical Review B	2022	10.1103/PhysRevB.106.075107
Probing non-Markovian quantum dynamics with data-driven analysis: Beyond black-box machine-learning models	Physical Review Research	2022	10.1103/PhysRevResearch.4.043002
Rotons and their damping in elongated dipolar Bose-Einstein condensates	Physical Review A	2022	10.1103/PhysRevA.106.013319
Valley polarization of trions in monolayer MoSe2interfaced with bismuth iron garnet	2D Materials	2022	10.1088/2053-1583/ac3887
Electronic properties of graphene oxide: nanoroads towards novel applications	Nanoscale	2022	10.1039/d2nr00251e
The density-temperature range of exchange-correlation exciton existence by the fermionic path integral Monte Carlo method	Physics of Plasmas	2022	10.1063/5.0089836
Designed assembly and disassembly of DNA in supramolecular structure: From ion regulated nuclear formation and machine learning recognition to running DNA cascade	NANO SEL	2022	
Switchable spiral Josephson junction: A superconducting spin-valve proposal	Superconductor Science and Technology	2022	10.1088/1361-6668/ac3f9f
Femtosecond magnetism in all-dielectric structures for logic operations	International Conference on Metamaterials, Photonic Crystals and Plasmonics	2022	
High-field magnetization studies and their analysis in RFe11Ti and RFe11TiH1rare-earth intermetallics (an example: HoFe11TiHx, x = 0 and 1)	AIP Advances	2022	10.1063/9.0000363

Concept of the Optomagnonic Logic Operation	Physical Review Applied	2022	10.1103/PhysRevApplied.18.054038
Concept of optical spin-wave XNOR gate	International Conference on Metamaterials, Photonic Crystals and Plasmonics	2022	
Learning entanglement breakdown as a phase transition by confusion	New Journal of Physics	2022	10.1088/1367-2630/ac7fb2
Practical quantum multiparty signatures using quantum-key-distribution networks	Physical Review A	2022	10.1103/PhysRevA.105.012408
Dual-laser self-injection locking to an integrated microresonator	Optics Express	2022	10.1364/OE.454687
Many-body localization of 1D disordered impenetrable two-component fermions	European Physical Journal D	2022	10.1140/epjd/s10053-022-00440-4
Simultaneous self-injection locking of two laser diodes to a single integrated microresonator	2022 International Conference Laser Optics, ICLO 2022 - Proceedingss	2022	10.1109/ICLO54117.2022.9839780
Simultaneous self-injection locking of two Fabry-Pérot laser diodes to Si3N4 integrated microresonator	Optics InfoBase Conference Papers	2022	
Surface-Enhanced Raman Scattering-Active Gold-Decorated Silicon Nanowire Substrates for Label-Free Detection of Bilirubin	ACS Biomaterials Science and Engineering	2022	10.1021/acsbiomaterials.1c00728
Decomposing the generalized Toffoli gate with qutrits	Physical Review A	2022	10.1103/PhysRevA.105.032621
The Erdős Matching Conjecture and concentration inequalities	Journal of Combinatorial Theory. Series B	2022	10.1016/j.jctb.2022.08.002
МНОЖЕСТВА С НЕЧЕТНЫМИ РАССТОЯНИЯМИ И РАВНОУДАЛЕННЫЕ ВПРАВО ПОСЛЕДОВАТЕЛЬНОСТИ В ЧЕБЫШЁВСКОЙ И МАНХЕТТЕНСКОЙ МЕТРИКАХ	Доклады Российской академии наук. Математика, информатика, процессы управления	2022	
Crystallization of Microbial Rhodopsins	Methods in Molecular Biology	2022	10.1007/978-1-0716-2329-9_6
Sketching Distances in Monotone Graph Classes	Leibniz International Proceedings in Informatics, LIPIcs	2022	10.4230/LIPIcs.APPROX/RANDOM.2022.18
Strategies and performance of the CMS silicon tracker alignment during LHC Run 2	NUCL INSTRUM METH A	2022	
Evidence for WW/WZ vector boson scattering in the decay channel ℓνqq produced in association with two jets in proton-proton collisions at s=13 TeV	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	2022	10.1016/j.physletb.2022.137438
Search for long-lived particles decaying to leptons with large impact parameter in proton–proton collisions at √s=13Te	European Physical Journal C	2022	10.1140/epjc/s10052-022-10027-3
Erratum to: Measurement of the top quark mass with lepton+jets final states using pp collisions at s = 13 TeV (The European Physical Journal C, (2018), 78, 11, (891), 10.1140/epjc/s10052-018-6332-9)	European Physical Journal C	2022	10.1140/epjc/s10052-022-10277-1
Behavior of Binomial Distribution near Its Median	Doklady Mathematics	2022	10.1134/S1064562422020193
Nuclear modification of Y states in pPb collisions at sNN=5.02TeV	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	2022	10.1016/j.physletb.2022.137397

Search for invisible decays of the Higgs boson produced via vector boson fusion in proton-proton collisions at s =13 TeV	Physical Review D	2022	10.1103/PhysRevD.105.092007
Measurement of double-parton scattering in inclusive production of four jets with low transverse momentum in proton-proton collisions at √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP01(2022)177
О СИЛЬНОМ ХРОМАТИЧЕСКОМ ЧИСЛЕ СЛУЧАЙНЫХ ГИПЕРГРАФОВ	Доклады Российской академии наук. Математика, информатика, процессы управления	2022	
Study of dijet events with large rapidity separation in proton-proton collisions at √s = 2.76 TeV	Journal of High Energy Physics	2022	10.1007/JHEP03(2022)189
Observation of the Bc+ Meson in Pb-Pb and pp Collisions at sNN =5.02 TeV and Measurement of its Nuclear Modification Factor	Physical Review Letters	2022	10.1103/PhysRevLett.128.252301
О двух предельных значениях хроматического числа случайного гиперграфа	Теория вероятностей и ее применения	2022	
Identification of hadronic tau lepton decays using a deep neural network	Journal of Instrumentation	2022	10.1088/1748-0221/17/07/P07023
On the Strong Chromatic Number of Random Hypergraphs	Doklady Mathematics	2022	10.1134/S1064562422010094
On Ramsey Numbers for Arbitrary Sequences of Graphs	Doklady Mathematics	2022	10.1134/S1064562422010057
Chain method for panchromatic colorings of hypergraphs	Discrete Applied Mathematics	2022	10.1016/j.dam.2022.06.005
Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP02(2022)169
Partial wave analysis of J/ψ →γη η	Physical Review D	2022	10.1103/PhysRevD.105.072002
Search for baryon- and lepton-number violating decays D0 → p ¯ e+ and D0 →pe-	Physical Review D	2022	10.1103/PhysRevD.105.032006
Study of the decay Ds+ → KS0 KS0 π+ and observation of an isovector partner to f0 (1710)	Physical Review D	2022	10.1103/PhysRevD.105.L051103
Lattice study of the confinement/deconfinement transition in rotating gluodynamics	Proceedings of Science	2022	
APPLICATION OF OPTIMIZATION ALGORITHMS FOR SOLVING MARINE SEISMIC SURVEY PLANNING PROBLEMS WITH BOTTOM STATIONS IN THE ARCTIC SHELF; [ПРИМЕНЕНИЕ ОПТИМИЗАЦИОННЫХ АЛГОРИТМОВ ДЛЯ РЕШЕНИЯ ЗАДАЧ ПЛАНИРОВАНИЯ МОРСКИХ СЕЙСМОРАЗВЕДОЧНЫХ РАБОТ С ДОННЫМИ СТАНЦИЯМИ В УСЛОВИЯХ АРКТИЧЕСКОГО ШЕЛЬФА]	Geophysical Research	2022	10.21455/gr2022.2-4
Adaptive intermolecular interaction parameters for accurate Mixture Density Functional Theory calculations	Chemical Engineering Science	2022	10.1016/j.ces.2022.117628

Linking theoretical and simulation approaches to study fluids in nanoporous media: Molecular dynamics and classical density functional theory	Chemical Engineering Science	2022	10.1016/j.ces.2021.117383
Measurement of the absolute branching fraction of the singly Cabibbo suppressed decay Λc+ →pη′	Physical Review D	2022	10.1103/PhysRevD.106.072002
Measurement of ψ (3686) → Λ Λ ¯ η and ψ (3686) → Λ Λ ¯ π0 decays	Physical Review D	2022	10.1103/PhysRevD.106.072006
Number of J/ψ events at BESIII	Chinese Physics C	2022	10.1088/1674-1137/ac5c2e
Measurement of the Cross Section for e+e- →Hadrons at Energies from 2.2324 to 3.6710 GeV	Physical Review Letters	2022	10.1103/PhysRevLett.128.062004
Observation of the doubly Cabibbo-suppressed decays D + → K + π 0 π 0 and D + → K + π 0 η	Journal of High Energy Physics	2022	10.1007/JHEP09(2022)107
Probing CP symmetry and weak phases with entangled double-strange baryons	Nature	2022	10.1038/s41586-022-04624-1
Cross section measurements of the processes e + e − → ωπ 0 and ωη at center-of-mass energies between 3.773 and 4.701 GeV	Journal of High Energy Physics	2022	10.1007/JHEP07(2022)064
Measurement of the cross section of e + e − → ηπ + π − at center-of-mass energies from 3.872 GeV to 4.700 GeV	Journal of High Energy Physics	2022	10.1007/JHEP12(2022)153
Measurement of e+e- →π+π-D+D- cross sections at center-of-mass energies from 4.190 to 4.946 GeV	Physical Review D	2022	10.1103/PhysRevD.106.052012
Amplitude analysis and branching fraction measurement of D s + $$ {D}_s^{+} $$ → K−K+π+π+π−	Journal of High Energy Physics	2022	
Measurement of e+e− → K+K−π0 cross section and observation of a resonant structure	Journal of High Energy Physics	2022	
Measurement of the e+e- →ωπ0π0 cross section at center-of-mass energies from 2.0 to 3.08 GeV	Physical Review D	2022	10.1103/PhysRevD.105.032005
Search for the decay D0 →π0ν ν ¯	Physical Review D	2022	10.1103/PhysRevD.105.L071102
One-component plasma of a million particles via angular-averaged Ewald potential: A Monte Carlo study	Physical Review E	2022	10.1103/PhysRevE.106.015204
Systematic derivation of angular-averaged Ewald potential	Journal of Physics A: Mathematical and Theoretical	2022	10.1088/1751-8121/ac870b
Bio-inspired mineral-hydrogel hybrid coating on hydrophobic PVDF membrane boosting oil/water emulsion separation	Separation and Purification Technology	2022	10.1016/j.seppur.2021.120383
Ab initio calculation of hafnium and zirconium melting curves via the Lindemann criterion	Physical Review B	2022	10.1103/PhysRevB.106.214105
Exchange-Correlation Excitons in Plasma Media: A Monte Carlo Method and the Sign Problem	High Temperature	2022	10.1134/S0018151X21060055
Molecular dynamics analysis of elastic properties and new phase formation during amorphous ices transformations	Scientific Reports	2022	10.1038/s41598-022-17666-2

A DFT study on magnetic interfaces based on half-metallic Co2FeGe1/2Ga1/2 with h-BN and MoSe2 monolayers	Physical Chemistry Chemical Physics	2022	10.1039/d1cp04806f
Molecular dynamics study of sucrose aqueous solutions: From solution structure to transport coefficients	Journal of Molecular Liquids	2022	10.1016/j.molliq.2022.120456
Continuous Kubo-Greenwood formula: Theory and numerical implementation	Physical Review E	2022	10.1103/PhysRevE.105.035307
Insights into fullerene polymerization under the high pressure: The role of endohedral Sc dimer	Carbon	2022	10.1016/j.carbon.2021.12.040
Structure of Hydrocarbon Fluid and Couette Flows in Slit Pores with Pyrophyllite Walls	Polymer Science - Series A	2022	10.1134/S0965545X2270047X
Monte Carlo simulations of the electron short-range quantum ordering in Coulomb systems and the 'fermionic sign problem'	Journal of Physics A: Mathematical and Theoretical	2022	10.1088/1751-8121/ac40e3
PIConGPU on Desmos Supercomputer: GPU Acceleration, Scalability and Storage Bottleneck	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_21
Feature of the Endohedral Metallofullerene Y@C82and Gd@C82Polymerization under High Pressure	Journal of Physical Chemistry C	2022	10.1021/acs.jpcc.2c05139
Ab initio inspection of thermophysical experiments for zirconium near melting	Journal of Applied Physics	2022	10.1063/5.0088504
New method of atomistic modeling of α−α′ phase transition in Fe–Cr alloy with effective accounting for vibrational entropy	Computational Materials Science	2022	10.1016/j.commatsci.2022.111563
Tuning of a Matrix-Matrix Multiplication Algorithm for Several GPUs Connected by Fast Communication Links	Communications in Computer and Information Science	2022	10.1007/978-3-031-11623-0_12
Влияние учета спиновой поляризации на ab initio расчеты теплового расширения твердого железа	Вестник Объединенного института высоких температур	2022	
The Study of the Spectral Properties of a Spatially Inhomogeneous System of Yukawa Particles in a Parabolic Confinement	Journal of Experimental and Theoretical Physics	2022	10.1134/S1063776122120202
Систематический вывод функционала и псевдопотенциала Кельбга	Вестник Объединенного института высоких температур	2022	
СТРУКТУРА УГЛЕВОДОРОДНОЙ ЖИДКОСТИ И ТЕЧЕНИЯ КУЭТТА В ЩЕЛЕВЫХ ПОРАХ СО СТЕНКАМИ ИЗ ПИРОФИЛЛИТА	Высокомолекулярные соединения. Серия А	2022	
Evaluation of the Angara Interconnect Prototype TCP/IP Software Stack: Implementation, Basic Tests and BeeGFS Benchmarks	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_31
State-of-the-Art Molecular Dynamics Packages for GPU Computations: Performance, Scalability and Limitations	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_25

Моделирование транспортных свойств водных растворов сахарозы методом молекулярной динамики	Журнал физической химии	2022	
Effect of Surface Modification of Multifunctional Nanocomposite Drug Delivery Carriers with DARPin on Their Biodistribution In Vitro and In Vivo	ACS Applied Bio Materials	2022	10.1021/acsabm.2c00289
Orientational uniaxial stretching of proton conducting perfluorinated membranes	Journal of Applied Polymer Science	2022	10.1002/app.52229
Structural transformations of charged spherical surfactant micelles upon solubilization of water-insoluble polymer chains in salt-free aqueous solutions	Journal of Molecular Liquids	2022	10.1016/j.molliq.2021.118326
Strong viscosity increase in aqueous solutions of cationic c22-tailed surfactant wormlike micelles	Fluids	2022	10.3390/fluids7010008
Approaches for a Closer Look at Problems of Liquid Membranes with Amyloid-Beta Peptides	Springer Proceedings in Physics	2022	10.1007/978-3-030-80924-9_10
Light-Harvesting Complex II Adopts Different Quaternary Structures in Solution as Observed Using Small-Angle Scattering	Journal of Physical Chemistry Letters	2022	10.1021/acs.jpclett.1c03614
Rhodopsin-Based Optogenetics: Basics and Applications	Methods in Molecular Biology	2022	10.1007/978-1-0716-2329-9_3
Differences in Medium-Induced Conformational Plasticity Presumably Underlie Different Cytotoxic Activity of Ricin and Viscumin	Biomolecules	2022	10.3390/biom12020295
Anti-Stokes fluorescence excitation reveals conformational mobility of the C-phycocyanin chromophores	Structural Dynamics	2022	10.1063/4.0000164
Self-sustained non-equilibrium co-existence of fluid and solid states in a strongly coupled complex plasma system	Scientific Reports	2022	10.1038/s41598-022-17939-w
E. coli Expression and Purification of Microbial and Viral Rhodopsins	Methods in Molecular Biology	2022	10.1007/978-1-0716-2329-9_5
Structural and functional roles of non-bilayer lipid phases of chloroplast thylakoid membranes and mitochondrial inner membranes	Progress in Lipid Research	2022	10.1016/j.plipres.2022.101163
Bound States of the Exchange—Correlation Excitons in the Uniform Electron Gas by the Monte Carlo Simulations	Universe	2022	10.3390/universe8020079
Multi-GPU GEMM Algorithm Performance Analysis for Nvidia and AMD GPUs Connected by NVLink and PCIe	Communications in Computer and Information Science	2022	10.1007/978-3-031-24145-1_23
Accounting for long–range interaction in the Kelbg pseudopotential	Contributions to Plasma Physics	2022	10.1002/ctpp.202200100
Frenkel pair formation energy for cubic Fe3O4in DFT + U calculations	Journal of Physics Condensed Matter	2022	10.1088/1361-648X/ac9440
Изучение транспортных свойств н-нонана в модели SAFT-γ Mie	Вестник Объединенного института высоких температур	2022	

Single-step extraction of small-diameter single-walled carbon nanotubes in the presence of riboflavin	Beilstein Journal of Nanotechnology	2022	10.3762/bjnano.13.130
Pair entropy and universal viscosity scaling for molecular systems via molecular dynamics simulations	Journal of Molecular Liquids	2022	10.1016/j.molliq.2022.120714
Optomechanical Properties of MoSe2Nanosheets as Revealed by in Situ Transmission Electron Microscopy	Nano Letters	2022	10.1021/acs.nanolett.1c03796
Revealing Intrinsic Superconductivity of the Nb/BiSbTe2Se Interface	Advanced Functional Materials	2022	10.1002/adfm.202209853
Magnetization and spin resonances in helical spin systems	Journal of Applied Physics	2022	10.1063/5.0075977
Persisting correlation between electrical transport and magnetic dynamics in M-type hexaferrites	Journal of Alloys and Compounds	2022	10.1016/j.jallcom.2021.162660
Revealing Josephson Vortex Dynamics in Proximity Junctions below Critical Current	Nano Letters	2022	10.1021/acs.nanolett.2c00647
Néel proximity effect at antiferromagnet/superconductor interfaces	Physical Review B	2022	10.1103/PhysRevB.106.144512
Terahertz-infrared dielectric properties of lead-aluminum double-cation substituted single-crystalline barium hexaferrite	Journal of Alloys and Compounds	2022	10.1016/j.jallcom.2021.162761
Cavity-QED simulation of a quantum metamaterial with tunable disorder	Physical Review A	2022	10.1103/PhysRevA.105.033519
Critical phase boundary and finite-size fluctuations in the Su-Schrieffer-Heeger model with random intercell couplings	Physical Review A	2022	10.1103/PhysRevA.105.023321
Magnetoelectric effects in Josephson junctions	Journal of Physics Condensed Matter	2022	10.1088/1361-648X/ac7994
Superconducting Bio-Inspired Au-Nanowire-Based Neurons	Nanomaterials	2022	10.3390/nano12101671
Novel magnetic stoichiometric superconductor compound EuRbFe4As4	Physics-Uspekhi	2022	10.3367/UFNe.2021.05.039018
New Ground State of Dipolar Lattice of D2O@Beryl	IFMBE Proceedings	2022	10.1007/978-3-030-92328-0_38
Tunable Ferromagnetic Nanomaterials for 6G Technology: Fundamentals and Prospects	IFMBE Proceedings	2022	10.1007/978-3-030-92328-0_4
Modeling of Transport Properties of Aqueous Sucrose Solutions by the Molecular Dynamics Method	Russian Journal of Physical Chemistry A	2022	10.1134/S0036024422030086
Cyclobis(paraquat-p-phenylene) – mediated electrosynthesis of new-type nanocomposite of palladium nanoparticles with designated macrocyclic organic compound	Electrochimica Acta	2022	10.1016/j.electacta.2022.141271
Dynamic Entropy of Two-Dimensional Active Brownian Systems in Colloidal Plasmas	Molecules	2022	10.3390/molecules27051614
Intermediate carbon phase. New experimental data and atomic model	Diamond and Related Materials	2022	10.1016/j.diamond.2022.108825

Новый магнитный сверхпроводник стехиометрического состава EuRbFe$_4$As$_4$	Успехи физических наук	2022	
Gold Atoms Promote Macroscopic Superconductivity in an Atomic Monolayer of Pb on Si(111)	Nano Letters	2022	10.1021/acs.nanolett.1c03595
Characterization of Microwave Properties of Superconducting NbTiN Films using TDS	32nd International Symposium of Space Terahertz Technology, ISSTT 2022	2022	
Antiferromagnetic resonances in twinned EuFe2 As2 single crystals	Physical Review B	2022	10.1103/PhysRevB.106.024412
Magnon-cooparons in magnet-superconductor hybrids	Communications Materials	2022	10.1038/s43246-022-00321-8
Density of states in the presence of spin-dependent scattering in SF bilayers: a numerical and analytical approach	Beilstein Journal of Nanotechnology	2022	10.3762/bjnano.13.117
Long Single Au Nanowires in Nb/Au/Nb Josephson Junctions: Implications for Superconducting Microelectronics	ACS Applied Nano Materials	2022	10.1021/acsanm.2c03837
Erratum: High-coercivity hexaferrite ceramics featuring sub-terahertz ferromagnetic resonance (Mater. Horiz. (2022) 9 (1264-1272) DOI: 10.1039/D1MH01797G)	Materials Horizons	2022	10.1039/d2mh90037h
High-coercivity hexaferrite ceramics featuring sub-terahertz ferromagnetic resonance	Materials Horizons	2022	10.1039/d1mh01797g
Physical Vapor Deposition Features of Ultrathin Nanocrystals of Bi2(TexSe1-x)3	Journal of Physical Chemistry Letters	2022	10.1021/acs.jpclett.2c02664
Magnetic resonances in EuSn2As2 single crystal	Journal of Magnetism and Magnetic Materials	2022	10.1016/j.jmmm.2022.169713
Resonant Oscillations of Josephson Current in Nb-Bi2Te2.3Se0.7-Nb Junctions	Advanced Quantum Technologies	2022	10.1002/qute.202100124
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
Effective Exchange Energy in a Thin, Spatially Inhomogeneous CuNi Layer Proximized by Nb	Journal of Physical Chemistry Letters	2022	10.1021/acs.jpclett.2c00978
High-Quality Graphene Using Boudouard Reaction	Advanced Science	2022	10.1002/advs.202200217
Grain-Size-Induced Collapse of Variable Range Hopping and Promotion of Ferromagnetism in Manganite La0.5Ca0.5MnO3	Crystals	2022	10.3390/cryst12050724
Magnonic spin Joule heating and rectification effects	Physical Review B	2022	10.1103/PhysRevB.106.144411
Hybrid helical state and superconducting diode effect in superconductor/ferromagnet/topological insulator heterostructures	Physical Review B	2022	10.1103/PhysRevB.106.224509
Size-Dependent Superconducting Properties of In Nanowire Arrays	Nanomaterials	2022	10.3390/nano12224095
Supercurrent-induced long-range triplet correlations and controllable Josephson effect in superconductor/ferromagnet hybrids with extrinsic spin-orbit coupling	Physical Review B	2022	10.1103/PhysRevB.105.144502

A new calibration method for charm jet identification validated with proton-proton collision events at √s = 13TeV	Journal of Instrumentation	2022	10.1088/1748-0221/17/03/P03014
Search for charged-lepton flavor violation in top quark production and decay in pp collisions at √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP06(2022)082
Search for Resonances Decaying to Three W Bosons in Proton-Proton Collisions at s =13 TeV	Physical Review Letters	2022	10.1103/PhysRevLett.129.021802
Observation of D0 (+) → KS0 π0 (+)ω and improved measurement of D0 →k-π+ω	Physical Review D	2022	10.1103/PhysRevD.105.032009
Measurement of e+e − → K+K − π 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 − → D *+ D *− and e + e − → 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
Search for the decay hc → π 0 J/ψ	Journal of High Energy Physics	2022	10.1007/JHEP05(2022)003
Search for new hadronic decays of hc and observation of hc → pp¯ η	Journal of High Energy Physics	2022	10.1007/JHEP05(2022)108
Measurement of branching fractions of singly Cabibbo-suppressed decays Λc+ → ς0K+ and ς+ KS0	Physical Review D	2022	10.1103/PhysRevD.106.052003
Measurement of the branching fraction of the singly Cabibbo-suppressed decay Λc+ → Λk+	Physical Review D	2022	10.1103/PhysRevD.106.L111101
Observation of a State X (2600) in the π+π-η′ System in the Process J/ψ →γπ+π-η′	Physical Review Letters	2022	10.1103/PhysRevLett.129.042001
Observation of Resonance Structures in e+e- →π+π-ψ2 (3823) and Mass Measurement of ψ2 (3823)	Physical Review Letters	2022	10.1103/PhysRevLett.129.102003
Amplitude analysis and branching fraction measurement of the decay Ds+ → K + π + π −	Journal of High Energy Physics	2022	10.1007/JHEP08(2022)196
Search for invisible decays of the Λ baryon	Physical Review D	2022	10.1103/PhysRevD.105.L071101
Observation of the Singly Cabibbo Suppressed Decay ?c+ ?np+	Physical Review Letters	2022	10.1103/PhysRevLett.128.142001
Observation of the J /ψ and ψ (3686) decays into η ς+ ς ¯ -	Physical Review D	2022	10.1103/PhysRevD.106.112007
Observation of an Isoscalar Resonance with Exotic JPC=1-+ Quantum Numbers in J /ψ →γηη′	Physical Review Letters	2022	10.1103/PhysRevLett.129.192002
Search for X(3872) → π⁰χ_{c0} and X(3872) → ππχ_{c0} at BESIII	PHYS REV D	2022	
Measurement of the e⁺e⁻ → Σ⁰(Σ)over-bar⁰ 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-meson decays involving kaons and pions	PHYS REV D	2022	

Precise Measurements of Decay Parameters and CP Asymmetry with Entangled Λ-(Λ)over-bar Pairs	PHYS REV LETT	2022	
Search for the semileptonic decay Ds+ →π0e+ve	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 χcJ → Ξ − Ξ ¯ + and Ξ0 Ξ ¯ 0	Journal of High Energy Physics	2022	10.1007/JHEP06(2022)074
Observation of the Y(4230) and a new structure in e+e− → K+K−J/ψ	Chinese Physics C	2022	10.1088/1674-1137/ac945c
First Measurement of Polarizations in the Decay D⁰ → ωϕ	PHYS REV LETT	2022	
Study of the resonance structures in the process e+e- →π+π-J/ψ	Physical Review D	2022	10.1103/PhysRevD.106.072001
Measurements of absolute branching fractions of D0 → KL0 ϕ, KL0 η, KL0 ω, and KL0 η′	Physical Review D	2022	10.1103/PhysRevD.105.092010
Study of light scalar mesons through Ds+ →π0π0e+ve and KS0 KS0 e+ve decays	Physical Review D	2022	10.1103/PhysRevD.105.L031101
Cross section measurements of the processes e+e− → ωπ0 and ωη 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 S0 Recoil-Mass Spectra in e+e- → K S0 Ds+ D∗- and e+e- → K S0 Ds∗+ D-	Physical Review Letters	2022	10.1103/PhysRevLett.129.112003
Observation of J /ψ Electromagnetic Dalitz Decays to X (1835), X (2120), and X (2370)	Physical Review Letters	2022	10.1103/PhysRevLett.129.022002
Amplitude analysis and branching fraction measurement of Ds+ → K − K + π + π + π −	Journal of High Energy Physics	2022	10.1007/JHEP07(2022)051
Partial wave analysis of the charmed baryon hadronic decay Λc+ → Λπ + π 0	Journal of High Energy Physics	2022	10.1007/JHEP12(2022)033
Measurement of the Absolute Branching Fraction and Decay Asymmetry of Λ →nγ	Physical Review Letters	2022	10.1103/PhysRevLett.129.212002
Amplitude analysis and branching fraction measurement of the decay Ds+ → K+ π + π − π 0	Journal of High Energy Physics	2022	10.1007/JHEP09(2022)242
Study of the processes χcJ → Ξ− Ξ ¯ $$ \overline{\Xi} $$ + and Ξ0 Ξ ¯ $$ \overline{\Xi} $$ 0	Journal of High Energy Physics	2022	
Amplitude analysis and branching-fraction measurement of Ds+ → π + π 0 η′	Journal of High Energy Physics	2022	10.1007/JHEP04(2022)058
Observation of ηc (2S) →3 (π+π-) and measurements of χcJ →3 (π+π-) in ψ (3686) radiative transitions	Physical Review D	2022	10.1103/PhysRevD.106.032014
Observation of the decay ψ(3686) → Σ −Σ ¯ + and measurement of its angular distribution	Journal of High Energy Physics	2022	10.1007/JHEP12(2022)016
Search for a CP -odd light Higgs boson in J/ψ →γA0	Physical Review D	2022	10.1103/PhysRevD.105.012008

First Observation of the Direct Production of the χ_{c1} in e⁺e⁻ Annihilation	PHYS REV LETT	2022	
Search for a massless dark photon in Λ_c⁺ → pγ' decay	PHYS REV D	2022	
Partial wave analysis of J/ψ → γηη′	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; [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; [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

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 МЕТАЛЛУРГИЧЕСКОГО СЕКТОРА	Вестник Южно-Уральского государственного университета. Серия: Компьютерные технологии, управление, 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 a₀-like State with Mass of 1.817 GeV in the Study of D_S⁺ → K_S⁰K⁺ π⁰ Decays	PHYS REV LETT	2022	
Search for baryon and lepton number violating decay D[±] → n((n)over-bar)e[±]	PHYS REV D	2022	
Study of the h_c(1¹P₁) meson via ψ(2S) → π⁰h_c decays at BESIII	PHYS REV D	2022	
Luminosities and energies of e⁺e⁻ collision data taken between √s=4.61 GeV and 4.95 GeV at BESIII	CHINESE PHYS C	2022	
Measurement of the CP-even fraction of D⁰ → π⁺ π⁻ π⁺ π⁻	PHYS REV D	2022	
Absolute measurements of branching fractions of Cabibbo-suppressed hadronic D⁰⁽⁺⁾ decays involving multiple pions	PHYS REV D	2022	
Observation of the hindered electromagnetic Dalitz decay ψ(3686) → e⁺ e⁻η_c	PHYS REV D	2022	
Study of the Semileptonic Decay Λ⁺_c → Λe⁺v_e	PHYS REV LETT	2022	

Study of ψ(3686) → Λ(Λ)over-barω	PHYS REV D	2022	
First observation of the semileptonic decay Λ_c⁺ → pK⁻ e⁺ v_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
О купмановском представлении гамильтоновых потоков в бесконечномерных пространствах с инвариантной мерой	Препринты ИПМ им. М.В. Келдыша	2022	
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
Amplitude analysis of Ds+ →π+π-π+	Physical Review D	2022	10.1103/PhysRevD.106.112006
Measurement of the branching fraction of the doubly Cabibbo-suppressed decay D0 →k+π-π0 and search for D0 →k+π-π0π0	Physical Review D	2022	10.1103/PhysRevD.105.112001
Evidence for X(3872) in Pb-Pb Collisions and Studies of its Prompt Production at sNN =5.02 TeV	Physical Review Letters	2022	10.1103/PhysRevLett.128.032001
Observation of the double Dalitz decay η′ →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 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 √s = 13 TeV collected with a dedicated high-rate data stream	Journal of High Energy Physics	2022	10.1007/JHEP04(2022)062

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 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 √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP07(2022)067
Search for Wγ resonances in proton-proton collisions at 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 √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 √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 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≠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 √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
Fragmentation of jets containing a prompt J/ψ meson in PbPb and pp collisions at s =5.02TeV	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics	2022	10.1016/j.physletb.2021.136842
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 √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 √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 √s=13TeV	European Physical Journal C	2022	10.1140/epjc/s10052-022-10095-5

Search for resonances decaying to three W bosons in the hadronic final state in proton-proton collisions at 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 √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 √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP04(2022)048
Measurement of W±γ differential cross sections in proton-proton collisions at 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
Полиномиальные автоморфизмы, квантование и задачи вокруг гипотезы Якобиана. III. Автоморфизмы, топология пополнения и аппроксимация	Итоги науки и техники. Современная математика и ее приложения. Тематические обзоры	2022	
Analysis of the CP structure of the Yukawa coupling between the Higgs boson and τ leptons in proton-proton collisions at √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 √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 предыскажения 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 s=13TeV	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
Large cycles in random generalized Johnson graphs	Discrete Mathematics	2022	10.1016/j.disc.2021.112721
Measurement of the inclusive and differential t t¯ γ cross sections in the dilepton channel and effective field theory interpretation in proton-proton collisions at √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP05(2022)091

Discrete Versions of the KKM Lemma and Their PPAD-Completeness	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2022	10.1007/978-3-031-09574-0_11
Search for high-mass resonances decaying to a jet and a Lorentz-boosted resonance in proton-proton collisions at s=13TeV	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 √s = 13 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 √s = 13 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 s =13 TeV	Physical Review D	2022	10.1103/PhysRevD.105.092014
Erratum to: Search for new physics in dijet angular distributions using proton-proton collisions at s = 13 TeV and constraints on dark matter and other models (The European Physical Journal C, (2018), 78, 9, (789), 10.1140/epjc/s10052-018-6242-x)	European Physical Journal C	2022	10.1140/epjc/s10052-022-10278-0
Search for resonant production of strongly coupled dark matter in proton-proton collisions at 13 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 √s = 13 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 √s =13 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]	Zhournal Novoi Ekonomicheskoi Associacii /Journal of the New Economic Association	2022	10.31737/2221-2264-2022-54-2-1
Amplitude analysis and branching fraction measurement of the decay Ds+ → π + π 0 π 0	Journal of High Energy Physics	2022	10.1007/JHEP01(2022)052
Observation of χcJ → Λ Λ ¯ η	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 слоек	Записки научных семинаров Санкт-Петербургского отделения математического института им. В.А. Стеклова РАН	2022	
Improved measurement of the strong-phase difference δDKπ in quantum-correlated DD¯ decays	European Physical Journal C	2022	10.1140/epjc/s10052-022-10872-2

Observation of Ξ- Hyperon transverse polarization in ψ (3686) → Ξ-Ξ¯	Physical Review D	2022	10.1103/PhysRevD.106.L091101
Measurement of the inclusive t t ¯ production cross section in proton-proton collisions at √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 s =13 TeV	Physical Review Letters	2022	10.1103/PhysRevLett.129.032001
Search for long-lived particles produced in association with a Z boson in proton-proton collisions at √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP03(2022)160
Polynomial Automorphisms, Deformation Quantization and Some Applications on Noncommutative Algebras	Mathematics	2022	10.3390/math10224214
Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton–proton collisions at √s=13TeV	European Physical Journal C	2022	10.1140/epjc/s10052-022-10127-0
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 s =13 TeV	Physical Review Letters	2022	10.1103/PhysRevLett.129.081802
Probing Charm Quark Dynamics via Multiparticle Correlations in Pb-Pb Collisions at sNN =5.02 TeV	Physical Review Letters	2022	10.1103/PhysRevLett.129.022001
Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP04(2022)087
Полиномиальные автоморфизмы, квантование и задачи вокруг гипотезы Якобиана. V. Гипотеза Якобиана и проблемы типа Шпехта и Бернсайда	Итоги науки и техники. Современная математика и ее приложения. Тематические обзоры	2022	
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
General Preinvex Functions and Variational-Like Inequalities	Springer Optimization and Its Applications	2022	10.1007/978-3-030-84122-5_35
Асимптотика числа независимости случайного подграфа графа $G(n,r,<s)$	Математические заметки	2022	
Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at √s = 13 TeV	Journal of High Energy Physics	2022	10.1007/JHEP02(2022)107
Observation of B0 → ψ(2S)K0Sπ+π− and B0S → ψ(2S)K0S decays	European Physical Journal C	2022	10.1140/epjc/s10052-022-10315-y
Vector centrality in hypergraphs	Chaos, Solitons and Fractals	2022	10.1016/j.chaos.2022.112397
Precision measurement of the W boson decay branching fractions in proton-proton collisions at s =13 TeV	Physical Review D	2022	10.1103/PhysRevD.105.072008

Observation of Bs 0 mesons and measurement of the Bs 0/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 τ Leptons in pp Collisions at s =13 TeV	Physical Review Letters	2022	10.1103/PhysRevLett.128.081805
МЕХАНИЗМ ЗАПАСАНИЯ И ТРАНСФОРМАЦИИ ЭНЕРГИИ В МИТОХОНДРИЯХ НА МЕЖФАЗНОЙ ГРАНИЦЕ ВОДА-МЕМБРАНА	Биохимия	2022	
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
Determination of Brain Tissue Samples Storage Conditions for Reproducible Intraoperative Lipid Profiling	Molecules	2022	10.3390/molecules27082587
Projective-Geometric Aspects of Quantization	Lobachevskii Journal of Mathematics	2022	10.1134/S1995080222100171
Local Analytic Classification for Quasi-linear Implicit Differential Systems at Transversal Singular Points	Journal of Dynamical and Control Systems	2022	10.1007/s10883-021-09530-9
When different norms lead to same billiard trajectories?	European Journal of Mathematics	2022	10.1007/s40879-020-00405-0
О линии торможения за отошедшим скачком уплотнения в плоских течениях	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2022	
On Poncelet problem, Abel equation and a Goursat-type boundary value problem	International Journal of Modern Physics A	2022	10.1142/S0217751X22430072
New Lagrangian view of vorticity evolution in two-dimensional flows of liquid and gas	Izvestiya Vysshikh Uchebnykh Zavedeniy. Prikladnaya Nelineynaya Dinamika	2022	10.18500/0869-6632-2022-30-1-30-36
On Coverings of Tori with Cubes	Doklady Mathematics	2022	10.1134/S1064562422020077
Rectifiable Curves in Proximally Smooth Sets	Set-Valued and Variational Analysis	2022	10.1007/s11228-021-00612-1
Квазитреугольные структуры на суперянгиане и квантовой петлевой супералгебре и разностные уравнения	Теоретическая и математическая физика	2022	
Simplest Skew Products on n-Dimensional (n ≥ 2) Cells, Cylinders and Tori	Lobachevskii Journal of Mathematics	2022	10.1134/S1995080222100080
AMBIENT MS PROFILING OF MENINGIOMAS: INTRAOPERATIVE ONCOMETABOLITE-BASED MONITORING	B RUSS STATE MED U	2022	

AMBIENT MS PROFILING OF MENINGIOMAS: INTRAOPERATIVE ONCOMETABOLITE-BASED MONITORING; [ПРЯМОЕ МАСС-СПЕКТРОМЕТРИЧЕСКОЕ ПРОФИЛИРОВАНИЕ МЕНИНГИОМ: ИНТРАОПЕРАЦИОННЫЙ МОНИТОРИНГ НА ОСНОВЕ ОНКОМЕТАБОЛИТОВ]	Bulletin of Russian State Medical University	2022	10.24075/BRSMU.2022.072
The lightweight spherical samplers for simplified collection, storage, and ambient ionization of drugs from saliva and blood	Acta Astronautica	2022	10.1016/j.actaastro.2022.03.026
Quantitative Assessment of Serine-8 Phosphorylated β-Amyloid Using MALDI-TOF Mass Spectrometry	Molecules	2022	10.3390/molecules27238406
The dynamics of β-amyloid proteoforms accumulation in the brain of a 5xfad mouse model of alzheimer's disease	International Journal of Molecular Sciences	2022	10.3390/ijms23010027
Васкуляризация зоны заживления стенки матки крысы под действием препарата на основе кондиционированной среды культивирования аутологичных мезенхимальных клеток вгипоксическихусловиях	Гены и Клетки	2022	
Spherical Sampler Probes Enhance the Robustness of Ambient Ionization Mass Spectrometry for Rapid Drugs Screening	Molecules	2022	10.3390/molecules27030945
Effectiveness of the stabilization fiscal rule for resource-rich countries	Voprosy Ekonomiki	2022	10.32609/0042-8736-2022-12-72-97
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

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

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 MoS₂	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	

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 многомикрофонных 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

More Bisections by Hyperplane Arrangements	Discrete and Computational Geometry	2022	10.1007/s00454-021-00337-w
On a Pseudodifferentional 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 инвестиційна несовершенном рынке капитала	ТРУДЫ МФТИ. Труды Московского физико-технического института (национального исследовательского университета)	2022	
On the structure of divergence-free measures on R2	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 α-azinyl-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

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

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 μm on efficiency of inter-modal FWM in a few mode fiber in the region of 1 μm	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 CeO2-Fe2O3 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
Precise measurements of the low optical absorption coefficients of massive lithium triborate crystal boules with untreated facets formed during the growth process	Applied Optics	2022	10.1364/AO.473544

P,S-Бидентатные амидофосфиты с ядром (R_a)-BINOL в катализируемом палладием асимметрическом аллильном замещении	Журнал общей химии	2022	
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
Application of the Tikhonov Regularization Method in Problems of Ellipsometic Porometry of Low-K Dielectrics	Russian Microelectronics	2022	10.1134/S1063739722040060
Применение метода регуляризации Тихонова в задачах эллипсометической порометрии low-k диэлектриков	Микроэлектроника	2022	
Iron(II) Clathrochelates in Molecular Spintronic Devices: A Vertical Spin Valve	Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya	2022	10.1134/S1070328422010080
Измерения малых коэффициентов оптического поглощения и рассеяния мощного поляризованного лазерного излучения в кристаллах трибората лития	Квантовая электроника	2022	
Mode-locking in a YAG:Cr4+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 Ellipsometic 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
Photocontrol of Single-Photon Generation in Boron Nitride Nanoparticles: Implications for Quantum Photon Sources, Sub-Diffraction Nanoscopy, and Bioimaging	ACS Applied Nano Materials	2022	10.1021/acsanm.2c01815

Quantum-Size Effect for Intraband Electronic Transition in Colloidal Silver Selenide Quantum Dots	High Energy Chemistry	2022	10.1134/S0018143922050125
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
Effect of the Purity of the Precursor SnI2 on the Optical Properties of CsSnI3 Perovskite Thin Films	Russian Journal of Inorganic Chemistry	2022	10.1134/S0036023622100540
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
Laser Flash Photolysis of Colloidal Indium Phosphide Quantum Dots	High Energy Chemistry	2022	10.1134/S0018143922050149
Влияние степени чистоты прекурсора SnI2 на оптические свойства тонких пленок CsSnI3 со структурой перовскита	Журнал неорганической химии	2022	
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
Stochastic approximation versus sample average approximation for Wasserstein barycenters	Optimization Methods and Software	2022	10.1080/10556788.2021.1965600

Numerical Methods of Sufficient Sample Size Estimation for Generalised Linear Models	Lobachevskii Journal of Mathematics	2022	10.1134/S1995080222120125
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	
Distributed Parallel Bootstrap Adaptive Algebraic Multigrid Method	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_7
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 Distantsionnogo 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	
A Method of Multilingual Summarization For Scientific Documents	Proceedings - Ivannikov ISPRAS Open Conference	2022	10.1109/ISPRAS57371.2022.10076852

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
Primal-Dual Stochastic Mirror Descent for MDPs	Proceedings of Machine Learning Research	2022	
Zeroth-order methods for noisy Hölder-gradient functions	Optimization Letters	2022	10.1007/s11590-021-01742-z
Efficient numerical methods to solve sparse linear equations with application to PageRank	Optimization Methods and Software	2022	10.1080/10556788.2020.1858297
The Power of First-Order Smooth Optimization for Black-Box Non-Smooth Problems	PR MACH LEARN RES	2022	
Decentralized Convex Optimization Under Affine Constraints for Power Systems Control	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_5
A Damped Newton Method Achieves Global O(1/k²) and Local Quadratic Convergence Rate	ADV NEUR IN	2022	
Decentralized Strongly-Convex Optimization with Affine Constraints: Primal and Dual Approaches	Communications in Computer and Information Science	2022	10.1007/978-3-031-22990-9_7
The First Optimal Algorithm for Smooth and Strongly-Convex-Strongly-Concave Minimax Optimization	Advances in Neural Information Processing Systems	2022	
Recent Theoretical Advances in Decentralized Distributed Convex Optimization	Springer Optimization and Its Applications	2022	10.1007/978-3-031-00832-0_8
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
Distributed Methods with Compressed Communication for Solving Variational Inequalities, with Theoretical Guarantees	Advances in Neural Information Processing Systems	2022	

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	
Экспертная оценка научных проектов: типизированные примеры декритериализации	Научный редактор и издатель	2022	
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
Electrophysiological Characterization of Microbial Rhodopsin Transport Properties: Electrometric and ΔpH Measurements Using Planar Lipid Bilayer, Collodion Film, and Fluorescent Probe Approaches	Methods in Molecular Biology	2022	10.1007/978-1-0716-2329-9_12
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 hDHHC20 Enzyme	International Journal of Molecular Sciences	2022	10.3390/ijms232314791
Lysolipids regulate raft size distribution	Frontiers in Molecular Biosciences	2022	10.3389/fmolb.2022.1021321
Revised scattering exponents for a power-law distribution of surface and mass fractals	Physical Review E	2022	10.1103/PhysRevE.106.024108
Взаимодействие фторфенильного аналога ретиналя с протеородопсином из Exiguobacterium sibiricum	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 Exiguobacterium sibiricum	Russian Journal of Bioorganic Chemistry	2022	10.1134/S1068162022060073
Microbial Rhodopsins	Methods in Molecular Biology	2022	10.1007/978-1-0716-2329-9_1
Mechanisms of Formation, Structure, and Dynamics of Lipoprotein Discs Stabilized by Amphiphilic Copolymers: A Comprehensive Review	Nanomaterials	2022	10.3390/nano12030361
The Role of Lipid Domains and Physical Properties of Membranes in the Development of Age-Related Neurodegenerative Diseases	Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology	2022	10.1134/S199074782209001X

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
Cations Do Not Alter the Membrane Structure of POPC—A Lipid With an Intermediate Area	Frontiers in Molecular Biosciences	2022	10.3389/fmolb.2022.926591
E-site drug specificity of the human pathogen Candida albicans ribosome	Science Advances	2022	10.1126/sciadv.abn1062
High-pressure crystallography shows noble gas intervention into protein-lipid interaction and suggests a model for anaesthetic action	Communications Biology	2022	10.1038/s42003-022-03233-y
Двухступенчатая активация lux-регулона психрофильных люминесцирующих бактерий Aliivibrio logei	Генетика	2022	
Crystallization and Preliminary X-Ray Diffraction Analysis of Recombinant Phosphoribosylpyrophosphate Synthetase I from Thermus thermophilus HB27	Crystallography Reports	2022	
Structural insights into light-driven anion pumping in cyanobacteria	Nature Communications	2022	10.1038/s41467-022-34019-9
Crystal structure of semi-synthetic obelin-v after calcium induced bioluminescence implies coelenteramine as the main reaction product	Scientific Reports	2022	10.1038/s41598-022-24117-5
Structural basis for receptor selectivity and inverse agonism in S1P5 receptors	Nature Communications	2022	10.1038/s41467-022-32447-1
Кристаллизация и предварительное рентгеновское исследование рекомбинантной фосфорибозилпирофосфатсинтетазы I из Thermus thermophilus HB27	Кристаллография	2022	
Crystallization and Preliminary X-Ray Diffraction Analysis of Recombinant Phosphoribosylpyrophosphate Synthetase I from Thermus thermophilus HB27	Crystallography Reports	2022	10.1134/S1063774522040022
Molecular Dynamics of DHHC20 Acyltransferase Suggests Principles of Lipid and Protein Substrate Selectivity	International Journal of Molecular Sciences	2022	10.3390/ijms23095091
MGL S3 Chimeric Enzyme Drives Apoptotic Death of EGFR-Dependent Cancer Cells through ERK Downregulation	International Journal of Molecular Sciences	2022	10.3390/ijms232112807
Two-Stage Activation of lux Regulon of Psychrophilic Marine Luminescent Bacteria Aliivibrio logei	Russian Journal of Genetics	2022	10.1134/S1022795422020028

Anti-Inflammatory Activity of Soluble Epoxide Hydrolase Inhibitors Based on Selenoureas Bearing an Adamantane Moiety	International Journal of Molecular Sciences	2022	10.3390/ijms231810710
Gadolinium-oxide nanoparticles for cryogenic magnetocaloric applications	Scientific Reports	2022	10.1038/s41598-022-06132-8
ATP synthase FOF1 structure, function, and structure-based drug design	Cellular and Molecular Life Sciences	2022	10.1007/s00018-022-04153-0
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
Contribution of the Collective Excitations to the Coupled Proton and Energy Transport along Mitochondrial Cristae Membrane in Oxidative Phosphorylation System	Entropy	2022	10.3390/e24121813
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
Double dynamic hydrogels formed by wormlike surfactant micelles and cross-linked polymer	Journal of Colloid and Interface Science	2022	10.1016/j.jcis.2021.11.198
Structure and dynamics of the SARS-CoV-2 envelope protein monomer	Proteins: Structure, Function and Bioinformatics	2022	10.1002/prot.26317
Improved exploitation of higher order smoothness in derivative-free optimization	Optimization Letters	2022	10.1007/s11590-022-01863-z
The Power of First-Order Smooth Optimization for Black-Box Non-Smooth Problems	Proceedings of Machine Learning Research	2022	
Синтез наностержней золота в бинарной смеси катионных поверхностно-активных веществ	Коллоидный журнал	2022	
A General Framework for Distributed Partitioned Optimization	IFAC-PapersOnLine	2022	10.1016/j.ifacol.2022.07.249
Decay of Electron-Beam-Generated Argon Plasma upon Outflow into Unexcited Gas	Plasma Physics Reports	2022	10.1134/S1063780X22600281
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	

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/α-ENaC/γ-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

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 нанокластерах 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

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

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 Henlea 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/K2) 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	

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 СВ Ч 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

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	

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 TiO₂ 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
Retention Improvement of HZO-Based Ferroelectric Capacitors with TiO2Insets	ACS Omega	2022	10.1021/acsomega.2c06237
Synthesis of Titanium Nitride Nanoparticles by Pulsed Laser Ablation in Different Aqueous and Organic Solutions	Nanomaterials	2022	10.3390/nano12101672
A satellite formation to display pixel images from the sky: Mission design and control algorithms	Advances in Space Research	2022	10.1016/j.asr.2022.03.018
Satellite Formation Flying for Space Advertising: From Technically Feasible to Economically Viable	Aerospace	2022	10.3390/aerospace9080419
On the Plane Resonant Rotations of a Satellite with a Spherical Damper in an Elliptical Orbit	Mechanics of Solids	2022	10.3103/S0025654422070044

A Top on a Vibrating Base: New Integrable Problem of Nonholonomic Mechanics	Regular and Chaotic Dynamics	2022	10.1134/S1560354722010026
О моделях гравитационного взаимодействия	Прикладная математика и механика	2022	
Influence of sliding and spinning friction on humanoid robot walking	AIP Conference Proceedings	2022	10.1063/5.0119581
О плоских резонансных вращениях спутника с шаровым демпфером на эллиптической орбите	Прикладная математика и механика	2022	
Singularities in the rolling motion of a spherical robot	International Journal of Non-Linear Mechanics	2022	10.1016/j.ijnonlinmec.2022.104061
Smart Transport as an Enhancement of the Urban Infrastructure	Technologies for Smart Cities	2022	10.1007/978-3-031-05516-4_7
ИНТЕЛЛЕКТУАЛЬНАЯ СИСТЕМА ТЕХНИЧЕСКОГО ЗРЕНИЯ ДЛЯ ОБНАРУЖЕНИЯ ПРЕПЯТСТВИЙ И ПРЕДСКАЗАНИЯ ПОВЕДЕНИЯ ДВИЖУЩИХСЯ ОБЪЕКТОВ НА ЖЕЛЕЗНОДОРОЖНЫХ ПУТЯХ	Известия ЮФУ. Технические науки	2022	
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
TRANSPORT MODELS FOR PLASMA HEATING WITH SECOND HARMONIC OF ELECTRON-CYCLOTRON FREQUENCY; [ТРАНСПОРТНЫЕ МОДЕЛИ НАГРЕВА ПЛАЗМЫ НА ВТОРОЙ ГАРМОНИКЕ ЭЛЕКТРОННО-ЦИКЛОТРОННОЙ ЧАСТОТЫ]	Problems of Atomic Science and Technology, Series Thermonuclear Fusion	2022	10.21517/0202-3822-2022-45-1-9-28
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
Tensor methods inside mixed oracle for min-min problems; [Тензорные методы внутри смешанного оракула для решения задач типа min-min]	Computer Research and Modeling	2022	10.20537/2076-7633-2022-14-2-377-398
Synaptic scaling as an essential component of Hebbian learning	Proceedings - 6th Scientific School "Dynamics of Complex Networks and their Applications", DCNA 2022	2022	10.1109/DCNA56428.2022.9923054

Progression analysis of Stargardt (STGD) disease in children cohort with biallelic ABCA4	INVEST OPHTH VIS SCI	2022	
The effectiveness of the use of mesenchymal stromal cells for the treatment of lacerated wounds under conditions of hypothermia and hypoxia	Russian Military Medical Academy Reports	2022	10.17816/rmmar109211
Models for calculation of the sideways force due to the kink modes in tokamaks	Physics of Plasmas	2022	10.1063/5.0085171
Robust AAV Genotyping Based on Genetic Distances in Rep Gene That Are Maintained by Ubiquitous Recombination	Viruses	2022	10.3390/v14051038
ПОДХОДЫ К СОЗДАНИЮ МОДЕЛЬНЫХ ЖИВОТНЫХ ГЕМОФИЛИИ В	Проблемы современной науки и инновации	2022	
Universal Flu mRNA Vaccine: Promises, Prospects, and Prob-lemsersal Flu mRNA Vaccine: Promises, Prospects, and Problems	Vaccines	2022	10.3390/vaccines10050709
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
Extending Transformer Decoder with Working Memory for Sequence to Sequence Tasks	Studies in Computational Intelligence	2022	10.1007/978-3-030-91581-0_34
Study of Geodesic Acoustic and Alfvén Modes in Toroidal Fusion Devices (Brief Review)	JETP Letters	2022	10.1134/S0021364022200279
Models and scalings for the disruption forces in tokamaks	Nuclear Fusion	2022	10.1088/1741-4326/ac3fe9
Advances in Magnetics Roadmap on Spin-Wave Computing	IEEE Transactions on Magnetics	2022	10.1109/TMAG.2022.3149664
Exchange spin waves in thin films with gradient composition	Physical Review Materials	2022	10.1103/PhysRevMaterials.6.064406
Mixed Type of the Magnetic Order in Intrinsic Magnetic Topological Insulators Mn(Bi,Sb)2Te4	JETP Letters	2022	10.1134/S0021364022602445
Эффект магнитной памяти в планарных микромостиках ферромагнетик/сверхпроводник/ферромагнетик на основе сильно разбавленного сплава PdFe	Письма в Журнал экспериментальной и теоретической физики	2022	
Subtype of Neuroblastoma Cells with High KIT Expression Are Dependent on KIT and Its Knockdown Induces Compensatory Activation of Pro-Survival Signaling	International Journal of Molecular Sciences	2022	10.3390/ijms23147724
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
Single GaP nanowire nonlinear characterization with the aid of an optical trap	Nanoscale	2022	10.1039/d1nr04790f
Gallium phosphide nanowires for "biological concentrations" ammonia detection	Journal of Physics: Conference Series	2022	10.1088/1742-6596/2172/1/012006
Effect of hydrostatic pressure on the quantum paraelectric state of dipolar coupled water molecular network	Physical Review Research	2022	10.1103/PhysRevResearch.4.023205

Atomistic structure and anomalous heat capacity of low-density liquid carbon: Molecular dynamics study with machine learning potential	Carbon	2022	10.1016/j.carbon.2022.02.058
Maximal log Fano manifolds are generalized Bott towers	Journal of Algebra	2022	10.1016/j.jalgebra.2022.08.004
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
Additive manufacturing of an antenna array	Научно-технические ведомости Санкт-Петербургского государственного политехнического университета. Физико-математические науки	2022	
Coulomb correlations and magnetic properties of L10 FeCo: A DFT+DMFT study	Physical Review Materials	2022	10.1103/PhysRevMaterials.6.055004
Ellipsometric Analysis of Low-Dimensional Materials for Optoelectronic and Photonic Applications	Bulletin of the Russian Academy of Sciences: Physics	2022	10.3103/S106287382270054X
Nanoscale Gallium Phosphide Epilayers on Sapphire for Low-Loss Visible Nanophotonics	ACS Applied Nano Materials	2022	10.1021/acsanm.2c00941
ИССЛЕДОВАНИЕ ГРАНУЛОМЕТРИЧЕСКОГО СОСТАВА НАНОЧАСТИЦ ДИОКСИДА ТИТАНА, ПОЛУЧЕННЫХ МЕТОДОМ ЛАЗЕРНОЙ ФРАГМЕНТАЦИЕЙ	Бюллетень научных сообщений	2022	
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
Biogenic Ferrihydrite Nanoparticles Produced by Klebsiella oxytoca: Characterization, Physicochemical Properties and Bovine Serum Albumin Interactions	Nanomaterials	2022	10.3390/nano12020249
CD44+ and CD133+ Non-Small Cell Lung Cancer Cells Exhibit DNA Damage Response Pathways and Dormant Polyploid Giant Cancer Cell Enrichment Relating to Their p53 Status	International Journal of Molecular Sciences	2022	10.3390/ijms23094922
Study of Structure–Activity Relationships of the Marine Alkaloid Fascaplysin and Its Derivatives as Potent Anticancer Agents	Marine Drugs	2022	10.3390/md20030185
Asymmetric depth-filtration: A versatile and scalable method for high-yield isolation of extracellular vesicles with low contamination	Journal of Extracellular Vesicles	2022	10.1002/jev2.12256
Effect of Thrombin on Cultured Rat Astrocytes Exposed to Oxygen-Glucose Deprivation	Biologicheskie Membrany	2022	10.31857/S0233475522010042

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)-Specific T Cells and Antibodies in Coronavirus Disease 2019 (COVID-19) Protection: A Prospective Study	Clinical Infectious Diseases	2022	10.1093/cid/ciac278
IPSC-Derived Human Neurons with GCaMP6s Expression Allow In Vitro Study of Neurophysiological Responses to Neurochemicals	Neurochemical Research	2022	10.1007/s11064-021-03497-6
Dynamic surface tension probe for measuring the concentration of extracellular vesicles	Biochemical and Biophysical Research Communications	2022	10.1016/j.bbrc.2022.04.017
PDX1 is the cornerstone of pancreatic β-cell functions and identity	Frontiers in Molecular Biosciences	2022	10.3389/fmolb.2022.1091757
The Efficiency of Gene Activation Using CRISPR/dCas9-Based Transactivation Systems Depends on the System Run Time	Molekuliarnaia biologiia	2022	10.31857/S0026898422060052
The K89 capsular polysaccharide produced by Acinetobacter baumannii 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
Voltage generation by photosystem I complexes immobilized onto a millipore filter under continuous illumination	International Journal of Hydrogen Energy	2022	10.1016/j.ijhydene.2022.01.175
The Effect of Thrombin on Cultured Rat Astrocytes Exposed to Oxygen-Glucose Deprivation	Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology	2022	10.1134/S1990747822010044
NANOS3 downregulation in Down syndrome hiPSCs during primordial germ cell-like cell differentiation	Histochemistry and Cell Biology	2022	10.1007/s00418-021-02040-6
Hybrid (Bovine Serum Albumin)/Poly(N-vinyl-2-pyrrolidone- co-acrylic acid)-Shelled Microbubbles as Advanced Ultrasound Contrast Agents	ACS Applied Bio Materials	2022	10.1021/acsabm.2c00331
Detection of CCR5Δ32 Mutant Alleles in Heterogeneous Cell Mixtures Using Droplet Digital PCR	Frontiers in Molecular Biosciences	2022	10.3389/fmolb.2022.805931
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
Engineered multicompartment vesicosomes for selective uptake by living cells	Colloids and Surfaces B: Biointerfaces	2022	10.1016/j.colsurfb.2022.112953
Synthesis, Screening and Characterization of Novel Potent Arp2/3 Inhibitory Compounds Analogous to CK-666	Frontiers in Pharmacology	2022	10.3389/fphar.2022.896994
The Efficiency of Gene Activation Using CRISPR/dCas9-Based Transactivation Systems Depends on the System Run Time	Molecular Biology	2022	10.1134/S0026893322060048
A feasible approach to tune the interaction of chitosan with sodium dodecyl sulfate	Carbohydrate Polymers	2022	10.1016/j.carbpol.2022.119642
Extraordinary broadband impedance matching in highly dispersive media - the white light cavity approach	Optics Express	2022	10.1364/OE.443214

Self-aligning roly-poly RFID tag	Scientific Reports	2022	10.1038/s41598-022-06061-6
High-Energy and Long-Lifespan Potassium–Sulfur Batteries Enabled by Concentrated Electrolyte	Advanced Functional Materials	2022	10.1002/adfm.202209145
Biomechanical behaviour of PEDOT:PSS-based hydrogels as an electrode for stent integrated enzyme biofuel cells	Heliyon	2022	10.1016/j.heliyon.2022.e09218
Влияние температуры на электрореологическое поведение частиц пористого хитозана в полидиметилсилоксане	Доклады Российской академии наук. Химия, науки о материалах	2022	
Стимул-чувствительные полимерные материалы для поддержания сократительной функции сердца	Гены и Клетки	2022	
Бесконтактный метод мониторинга механических свойств гидрогелевых матриксов на основе коллагена для тканевой инженерии	Гены и Клетки	2022	
Measurements of the Radial Distributions of the Geodesic Acoustic Mode and Quasi-Coherent Mode Using a Heavy Ion Beam Probe in the T-10 Tokamak Ohmic Plasma	Physics of Atomic Nuclei	2022	10.1134/S1063778822100040
Principles for Modeling Information Flows in Open Socio-Economic Systems	Studies in Systems, Decision and Control	2022	10.1007/978-3-030-95112-2_14
Search for Magnetoelectric Coupling at the 57Fe/Hf0.5Zr0.5O2 Interface Using Operando Synchrotron Mössbauer Spectroscopy	Advanced Materials Interfaces	2022	10.1002/admi.202201341
Stable Solid Electrolyte Interphase for Long-Life Potassium Metal Batteries	ACS Energy Letters	2022	10.1021/acsenergylett.1c02354
Porous chitosan particles doped by in situ formed silver nanoparticles: Electrorheological response in silicon oil	Polymers for Advanced Technologies	2022	10.1002/pat.5817
Magnetic Memory Effect in Planar Ferromagnet/Superconductor/Ferromagnet Microbridges Based on Highly Diluted PdFe Alloy	JETP Letters	2022	10.1134/S0021364022601105
Erratum to: Several Articles in JETP Letters (JETP Letters, (2022), 116, 2, (83-89), 10.1134/S0021364022601208)	JETP Letters	2022	10.1134/S0021364022390023
Comment on "Coulomb Blockade and Bloch Oscillations in Superconducting Ti Nanowires"	Physical Review Letters	2022	10.1103/PhysRevLett.128.159701
Superconductivity in Hierarchical 3D Nanostructured Pb–In Alloys	Symmetry	2022	10.3390/sym14102142
Magnetic Memory Effect in Planar Ferromagnet/Superconductor/Ferromagnet Microbridges Based on Highly Diluted PdFe Alloy (vol 116 pg 110, 2022)	JETP LETT+	2022	
Determination of the Heating Rate and Temperature of an Ion Chain in a Linear Paul Trap by the Dephasing of Rabi Oscillations (vol 116, pg 77, 2022)	JETP LETT+	2022	

Engineering the Exchange Spin Waves in Graded Thin Ferromagnetic Films	Nanomaterials	2022	10.3390/nano12244361
Effect of Temperature on the Electrorheological Behavior of Porous Chitosan Particles in Polydimethylsiloxane	Doklady Physical Chemistry	2022	10.1134/S0012501622020026
Полимерные материалы для электростимуляции клеточного роста	Гены и Клетки	2022	
Infrared fingerprints of water collective dynamics indicate proton transport in biological systems	Physical Review E	2022	10.1103/PhysRevE.105.044409
Теория нематической сверхпроводимости в допированных топологических изоляторах(Миниобзор)	Письма в Журнал экспериментальной и теоретической физики	2022	
Aqueous Cations and Excess of Translational Vibrations as the Evidences of Charge Transport in Biomaterials	IFMBE Proceedings	2022	10.1007/978-3-030-92328-0_76
Laser-Fabricated MoS2 Nanoparticles as Efficient Near-Infrared Photosensitizers	Bulletin of the Russian Academy of Sciences: Physics	2022	10.3103/S1062873822700745
Cyclotron resonance overtones and near-field magnetoabsorption via terahertz Bernstein modes in graphene	Nature Physics	2022	10.1038/s41567-021-01494-8
Self-assembled photonic structure: a Ga optical antenna on GaP nanowires	Nanoscale	2022	10.1039/d2nr04571k
Sensitivity enhancement analysis of frequency tuned-SAW resonator with temperature for sensor applications	Sensing and Bio-Sensing Research	2022	10.1016/j.sbsr.2022.100509
Electronic Phase Separation in Magnetic Materials	Physics of Metals and Metallography	2022	10.1134/S0031918X22070134
Synthesis of Perovskite-Type BiScO3 Ceramics and their Dielectric and Infrared Characterization	Journal of Physical Chemistry Letters	2022	10.1021/acs.jpclett.2c02898
Compact long-range ceramic RFID tag for on-metal and non-metal applications	2022 IEEE 12th International Conference on RFID Technology and Applications, RFID-TA 2022	2022	10.1109/RFID-TA54958.2022.9923978
Photobiofuel Cells, Current State of Research and Practical Application	Nanobiotechnology Reports	2022	10.1134/S2635167622060167
Local magnetic moment formation and Kondo screening in the half-filled single-band Hubbard model	Physical Review B	2022	10.1103/PhysRevB.105.L081111
Effect of Magnetic Impurities on Superconductivity in LaH10	Advanced Materials	2022	10.1002/adma.202204038
Electrochemical synthesis of few layer graphene in subcritical electrolyte	Journal of Supercritical Fluids	2022	10.1016/j.supflu.2022.105627
Diffusion Limited Current Density: A Watershed in Electrodeposition of Lithium Metal Anode	Advanced Energy Materials	2022	10.1002/aenm.202200244
Effect of pH on antioxidant properties of ablated CeO2 nanoparticles in photocatalytic process	Journal of Industrial and Engineering Chemistry	2022	10.1016/j.jiec.2021.10.036
Synthesis of Perovskite-Type BiScO₃ Ceramics and their Dielectric and Infrared Characterization	J PHYS CHEM LETT	2022	

The Performance of Nonwoven PLLA Scaffolds of Different Thickness for Stem Cells Seeding and Implantation	Polymers	2022	10.3390/polym14204352
Обучение нейронной сети в задаче об автоматизированном диспетчере	Информационные технологии	2022	
Scheduling in Multiagent Systems Using Reinforcement Learning	Doklady Mathematics	2022	10.1134/S1064562422060175
Starkit: RoboCup Humanoid KidSize 2021 Worldwide Champion Team Paper	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2022	10.1007/978-3-030-98682-7_21
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
AGMV Approach for Reduce Complexity of Classification Tasks	Proceedings of the 2022 International Conference on Information, Control, and Communication Technologies, ICCT 2022	2022	10.1109/ICCT56057.2022.9976624
Study of the Multichannel Access Method in Coexistence Scenarios of Two New Radio Unlicensed Operators	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922120142
Main Approaches to the Preparation of Visual Data for Training Neural Network Algorithms	Scientific and Technical Information Processing	2022	10.3103/S0147688222060089
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	

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	

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 + → π0 e +νeγ 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+ → π⁰e⁺ν_eγ 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 + → π + μ + μ− 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

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 бензилиденциклопентаноновые 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 ¹⁵N атомарной компоненты азота в реакциях атомно-молекулярного обмена в послеразрядной зоне	Журнал технической физики	2022	
Экспериментальное исследование диффузии ионов H⁺, Cl⁻ и 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

Рефлектометрическое измерение температуры с использованием оптоволоконной структуры "одномод-многомод-одномод"	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⁺ → π⁻(π⁰)e⁺e⁺ 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, информационныхи 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.compbiomed.2021.105040

Calculation of transverse wave speed in preloaded fibres under an impact; [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 эмбеддингов 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

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	

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 (Bs →dsX) with Bs semileptonic tagging	Physical Review D	2022	10.1103/PhysRevD.105.012004
Search for the decay Bs0 →ηη	Physical Review D	2022	10.1103/PhysRevD.105.012007
Search for long-lived heavy neutral leptons with displaced vertices in proton-proton collisions at s $$ \sqrt{\mathrm{s}} $$ =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 √s=8TeV	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 s $$ \sqrt{s} $$ = 13 TeV	Journal of High Energy Physics	2022	
Search for heavy resonances decaying to Z (ν ν ¯)V (q q ¯ ′) in proton-proton collisions at s =13 TeV	Physical Review D	2022	10.1103/PhysRevD.106.012004
Radio and γ-Ray Activity in the Jet of the Blazar S5 0716+714	Astrophysical Journal	2022	10.3847/1538-4357/ac31b4
Erratum to: Measurement of exclusive Υ photoproduction from protons in pPb collisions at 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 s $$ \sqrt{s} $$ = 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	

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 √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

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 11B(p, 3α) И 11B(p, n)C11, 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 MS^{-} -scheme $\alpha s5$ QCD contributions to the Adler function and Bjorken polarized sum rule in the Crewther-type two-fold {β}-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

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 $\bm{\beta}$-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 α Particles and Neutrons from the 11B(p, 3α) and 11B(p, n)11C 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

Graphenylene/Janus transition metal dichalcogenides XMoY (X≠Y = 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 ω − 2ω 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 CF4 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 XMoSiN2 (X=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 нанокомпозитных 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

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.)) 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

БЕЗЫЗЛУЧАТЕЛЬНЫЙ ПЕРЕХОД 3E → 1A1 И 1-E → 3A2 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 β-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 3 E → 1 A 1 and 1(Formula presented.) → 3 A 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 CF4 in phase-locked ω-2ω 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 C60 fullerene polymerization processes on the mechanical properties of clusters forming ultrahard structures of 3D C60 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	

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

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 ВИДЕОДАННЫМ	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

Study of the Binding Free Energy of Peptide Substrates in the Active Site of Oligopeptidase B from Serratia proteamaculans by the MM-GBSA Method	Crystallography Reports	2022	10.1134/S1063774522030154
Clarification of the Position of Linum stelleroides Planch. within the Phylogeny of the Genus Linum 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 α7-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

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 onions” [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 Linum usitatissimum L. Nuclear DNA Enabled Assembling High-Quality Genome	International Journal of Molecular Sciences	2022	10.3390/ijms232113244
Pectobacterium versatile Bacteriophage Possum: A Complex Polysaccharide-Deacetylating Tail Fiber as a Tool for Host Recognition in Pectobacterial 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 α7-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 составцианобактерии Arthrospira platensis 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

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 витро	Системная биология и физиология	2022	
Изучение свободной энергии связывания пептидных субстратов в активном центре олигопептидазы B из Serratia proteamaculans 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

Field-Effect Transistor Based on 2D Microcrystalline MoS2 Film Grown by Sulfurization of Atomically Layer Deposited MoO3	Nanomaterials	2022	10.3390/nano12193262
Sr-Doped Superionic Hydrogen Glass: Synthesis and Properties of SrH22	Advanced Materials	2022	10.1002/adma.202200924
Dimensionality of mobile electrons at x-ray-irradiated LaAlO3/SrTiO3interfaces	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 O2/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 TiS2 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 vs 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

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
Study of hydrothermal zinc oxide nanostructures photovoltaic properties; [Исследование фотоэлектрических свойств гидротермальных наноструктур оксида цинка]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2022	10.18721/JPM.153.202
Plasmonic features of free-standing chitosan nanocomposite film with silver and graphene oxide for SERS applications	Nanotechnology	2022	10.1088/1361-6528/ac6c98
Цари и тираны в древнегреческой политической мысли: Заметки на полях книги Кэрол Атак “The Discourse of Kingship in Classical Greece”	Новый исторический вестник	2022	
Модели классификации выборки вызванных потенциалов P300	Системы и средства информатики	2022	
Обновление биометрического шаблона при помощи оценки качества исходных данных	Известия Российской академии наук. Теория и системы управления	2022	

Kings and Tyrants in Ancient Greek Political Thought: Some Remarks on Carol Atack's Book, "The Discourse of Kingship in Classical Greece"; [Цари и тираны в древнегреческой политической мысли: Заметки на полях книги Кэрол Атак "The Discourse of Kingship in Classical Greece]	Novyj Istoriceskij Vestnik	2022	
Vector Semiotic Model for Visual Question Answering	Cognitive Systems Research	2022	10.1016/j.cogsys.2021.09.001
Application of Reinforcement Learning in Open Space Planner for Apollo Auto	Lecture Notes in Networks and Systems	2022	10.1007/978-3-030-87178-9_4
Stability and Similarity Detection for the Biologically Inspired Temporal Pooler Algorithms	Procedia Computer Science	2022	10.1016/j.procs.2022.11.106
Naked eye direction of arrival estimation with a Fresnel lens	Scientific Reports	2022	10.1038/s41598-022-06480-5
Laser Etching of Quasi-1D TiS3 Nanoribbons by Raman Spectrophotometer	Bulletin of the Russian Academy of Sciences: Physics	2022	10.3103/S1062873822700551
Evidence of Electronic Phase Separation in the Strongly Correlated Semiconductor YbB12	Chinese Physics Letters	2022	10.1088/0256-307X/39/12/127302
Computational prediction of new magnetic materials	Journal of Chemical Physics	2022	10.1063/5.0113745
Hydrothermal zinc oxide nanostructures: Geometry control and narrow band UV emission	Journal of Physics: Conference Series	2022	10.1088/1742-6596/2227/1/012007
Viscosity-Limited Drift Instabilities in Two-Dimensional Electron Systems	Physical Review Applied	2022	10.1103/PhysRevApplied.17.054026
Quasitrapped modes in metasurfaces of anisotropic MoS2 nanoparticles for absorption and polarization control in the telecom wavelength range	Physical Review B	2022	10.1103/PhysRevB.106.035412
Silicon Nanowire-Based Room-Temperature Multi-environment Ammonia Detection	ACS Applied Nano Materials	2022	10.1021/acsanm.2c02178
Octahedra-Tilted Control of Displacement Disorder and Dielectric Relaxation in Mn-Doped SrTiO3Single Crystals	Journal of Physical Chemistry Letters	2022	10.1021/acs.jpclett.2c03513
High-refractive index and mechanically cleavable non-van der Waals InGaS3	npj 2D Materials and Applications	2022	10.1038/s41699-022-00359-9
Broadband optical constants and nonlinear properties of SnS2 and SnSe2	Nanomaterials	2022	10.3390/nano12010141
Novel electrolyte additive of graphene oxide for prolonging the lifespan of zinc-ion batteries	Nanotechnology	2022	10.1088/1361-6528/ac40bf
Nonlinear Exciton-Mie Coupling in Transition Metal Dichalcogenide Nanoresonators	Laser and Photonics Reviews	2022	10.1002/lpor.202100604
Optical Anisotropy and Excitons in MoS2 Interfaces for Sensitive Surface Plasmon Resonance Biosensors	Biosensors	2022	10.3390/bios12080582

Anomalous Josephson Hall effect in doped topological insulators with nematic superconductivity	Physical Review B	2022	10.1103/PhysRevB.106.214502
Effect of Silicate Additive on Structural and Electrical Properties of Germanium Nanowires Formed by Electrochemical Reduction from Aqueous Solutions	Nanomaterials	2022	10.3390/nano12162884
Non-Additive Optical Response in Transition Metal Dichalcogenides Heterostructures	Nanomaterials	2022	10.3390/nano12244436
Anapole states and scattering deflection effects in anisotropic van der Waals nanoparticles	Physical Review B	2022	10.1103/PhysRevB.106.195302
Neural Network Adaptation of the Kalman Filter for Odometry Fusion	Lecture Notes in Networks and Systems	2022	10.1007/978-3-030-87178-9_5
Application of Deep Reinforcement Learning Methods in Debt Collection	Lecture Notes in Networks and Systems	2022	10.1007/978-3-030-87178-9_7
Integrated Information Coefficient Estimated from Neuronal Activity in Hippocampus-Amygdala Complex of Rats as a Measure of Learning Success	Journal of Integrative Neuroscience	2022	10.31083/j.jin2105128
Simultaneous Learning and Planning in a Hierarchical Control System for a Cognitive Agent	Automation and Remote Control	2022	10.1134/S0005117922060054
Thermal sensitivity study of thin film over-layered SAW devices for sensor applications	Inorganic Chemistry Communications	2022	10.1016/j.inoche.2022.110116
Tailoring of the Distribution of SERS-Active Silver Nanoparticles by Post-Deposition Low-Energy Ion Beam Irradiation	Materials	2022	10.3390/ma15217721
RFID-based sensor for insect detection	Научно-технические ведомости Санкт-Петербургского государственного политехнического университета. Физико-математические науки	2022	
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/acsphotonics.2c00134
Электронное фазовое расслоение в магнитных материалах	Физика металлов и металловедение	2022	
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
Neural Networks for Classification and Unsupervised Segmentation of Visibility Artifacts on Monocular Camera Image	Optical Memory and Neural Networks (Information Optics)	2022	10.3103/S1060992X22030043
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
Brain Mechanisms of Embodied Decision-Making	International Journal of Cognitive Research in Science, Engineering and Education	2022	10.23947/2334-8496-2022-10-2-163-171

Layer-specific analysis of cortical fear engram in mice	Proceedings - 4th International Conference "Neurotechnologies and Neurointerfaces", CNN 2022	2022	10.1109/CNN56452.2022.9912529
Real-Time Approach to Neural Network-Based Disparity Map Generation from Stereo Images	Studies in Computational Intelligence	2022	10.1007/978-3-030-91581-0_35
Occupancy Grid Generation With Dynamic Obstacle Segmentation in Stereo Images	IEEE Transactions on Intelligent Transportation Systems	2022	10.1109/TITS.2021.3133799
Different Approximation Methods for Calculation of Integrated Information Coefficient in the Brain during Instrumental Learning	Brain Sciences	2022	10.3390/brainsci12050596
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
Integrable case of two vortices in a perfect fluid in a cylindrical domain	AIP Conference Proceedings	2022	10.1063/5.0119934
Fingerprints of Critical Phenomena in a Quantum Paraelectric Ensemble of Nanoconfined Water Molecules	Nano Letters	2022	10.1021/acs.nanolett.2c00638
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
Atmospheric Pressure Solvothermal Synthesis of Nanoscale SnO2 and Its Application in Microextrusion Printing of a Thick-Film Chemosensor Material for Effective Ethanol Detection	Sensors	2022	10.3390/s22249800
Диэлектрический барьер в субтрактивном процессе формирования системы медной металлизации	Микроэлектроника	2022	
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
Investigation of conductive filament growth and rupture in ReRAM structures based on hafnium oxide	Proceedings of SPIE - The International Society for Optical Engineering	2022	10.1117/12.2624576
ФОРМИРОВАНИЕ ТОНКИХ ПЛЕНОК КАРБИДА БОРА, ОБОГАЩЕННОГО ИЗОТОПОМ ¹⁰B, 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	

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	
Methylated porous low-k materials: critical properties and plasma resistance	Proceedings of SPIE - The International Society for Optical Engineering	2022	10.1117/12.2624608
Porous Silicon Nanoparticles with Rare Earth as Potential Contrast Agents for MRI and Luminescent Probes for Bioimaging	Journal of Biomedical Photonics and Engineering	2022	10.18287/JBPE22.08.020304
Composite silicon-iron nanoparticles: physical properties and potential application in MRI contrasting	Journal of Nanoparticle Research	2022	10.1007/s11051-022-05497-1
Ballistic-to-hydrodynamic transition and collective modes for two-dimensional electron systems in magnetic field	Physical Review B	2022	10.1103/PhysRevB.106.115415
Van Der Waals Materials for Subdiffractional Light Guidance	Photonics	2022	10.3390/photonics9100744
Polarization Switching Kinetics in Thin Ferroelectric HZO Films	Nanomaterials	2022	10.3390/nano12234126
A Comparative Study of Aqueous and Non-Aqueous Solvents to Be Used in Low-Temperature Serial Molecular– Electronic Sensors	Chemosensors	2022	10.3390/chemosensors10030111
Retention Model and Express Retention Test of Ferroelectric Hf O2 -Based Memory	Physical Review Applied	2022	10.1103/PhysRevApplied.18.064084
Nanoscale Doping and Its Impact on the Ferroelectric and Piezoelectric Properties of Hf0.5Zr0.5O2	Nanomaterials	2022	10.3390/nano12091483
Photodynamics of Bright Subnanosecond Emission from Pure Single-Photon Sources in Hexagonal Boron Nitride	Nanomaterials	2022	10.3390/nano12244495
Optical Detection of the Cyclotron Resonance in Inhomogeneous Ferromagnetic Structures InGaAs/GaAs/δ-〈Mn〉	JETP Letters	2022	10.1134/S002136402260135X
Magnetic Force Microscopy for Diagnosis of Complex Superconducting Circuits	Physical Review Applied	2022	10.1103/PhysRevApplied.18.054035
Оптическое детектирование циклотронного резонанса в неоднородных ферромагнитных структурах InGaAs/GaAs/δ-(Mn)	Письма в Журнал экспериментальной и теоретической физики	2022	
Plasmonic grating for circularly polarized outcoupling of waveguide-enhanced spontaneous emission	Applied Physics Letters	2022	10.1063/5.0085786
A versatile technology for colloidal crystal transfer using parylene coatings and hydrosoluble polymers	Nanotechnology	2022	10.1088/1361-6528/ac4dc3
Modeling of the Electrochemical Motion Sensor Conversion Factor at High Frequencies	Micromachines	2022	10.3390/mi13020153

Microextrusion printing of gas-sensitive planar anisotropic NiO nanostructures and their surface modification in an H2S atmosphere	Applied Surface Science	2022	10.1016/j.apsusc.2021.151984
AModel 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
Механизм филаментации наносекундного поверхностного барьерного разряда положительной полярности в азоте	Физика плазмы	2022	
Filament Formation Mechanism for a Nanosecond Surface Barrier Discharge of Positive Polarity in Nitrogen	Plasma Physics Reports	2022	10.1134/S1063780X22600311
Aerosol Dry Printing for SERS and Photoluminescence-Active Gold Nanostructures Preparation for Detection of Traces in Dye Mixtures	Nanomaterials	2022	10.3390/nano12030448
Synthesis of KNN nanoblocks through surfactant-assisted hot injection method and fabrication of flexible piezoelectric nanogenerator based on KNN-PVDF nanocomposite	Materials Today Communications	2022	10.1016/j.mtcomm.2022.103291
Low-Cost Copper Electrode for High-Performance Panchromatic Multiplication-Type Organic Photodetectors with Optical Microcavity Effect	Advanced Functional Materials	2022	10.1002/adfm.202108839
Mathematical Model of the Hydrodynamic Noise in the Electrochemical Microsystems	Proceedings of the 2022 International Conference on Information, Control, and Communication Technologies, ICCT 2022	2022	10.1109/ICCT56057.2022.9976734
Effect of Charge Injection on the Switching Speed of Ferroelectric Memory Based on HfO2	ACS Applied Electronic Materials	2022	10.1021/acsaelm.2c00526
Transition metal dichalcogenide nanospheres for high-refractive-index nanophotonics and biomedical theranostics	Proceedings of the National Academy of Sciences of the United States of America	2022	10.1073/pnas.2208830119
Synthesis of New MAX-Phases (Ti0.5,Ta0.5)3AlC2, (Ti0.5,Nb0.5)3AlC2, (Ti0.5,V0.5)3AlC2 and MXenes Based on Them	Bulletin of the Russian Academy of Sciences: Physics	2022	10.3103/S1062873822700721
Hardware RFID Security for Preventing Far-Field Attacks	IEEE Transactions on Antennas and Propagation	2022	10.1109/TAP.2021.3118846
Задачи импортозамещения и создание современных фотоприемных модулей	Успехи прикладной физики	2022	
Исследование влияния на ВАХ матричных фоточувствительных элементов на основе XBn-InGaAs-структур характеристик процессов пассивации поверхности	Прикладная физика	2022	
Фотоприемные устройства на основе гомо- и гетероструктур двойных и тройных соединений группы антимонидов	Успехи прикладной физики	2022	
Modern Photodetector IR-Modules	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922090030
Аналитическая модель квантовой эффективности фотодиодов на основе антимонида индия	Успехи прикладной физики	2022	

2D Structures Based Field-Effect Transistors (Review)	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922090121
Фото- и наноэлектроника на основе двумерных 2D-материалов Часть III. Фотосенсоры на основе графена, графеноподобных и родственных моноатомных 2D-наноматериалов	Успехи прикладной физики	2022	
2D Material-Based Photo- and Nanoelectronics. Part III. Photosensors Based on Graphene, Graphene-Like, and Related 2D Nanomaterials	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922090133
Рефлектография произведений искусства в диапазоне 0,9-1,7 мкм с использованием SWIR-камеры инфракрасного диапазона спектра	Успехи прикладной физики	2022	
Synthesis of highly sensitive nanomaterial for ultra-fast photocatalytic activity: A detailed study on photocatalytic capabilities of rod-shaped TiS3 nanostructures	Catalysis Communications	2022	10.1016/j.catcom.2021.106381
Reflectography of Artworks in the 0.9–1.7 μm Wavelength Using a SWIR Camera	Journal of Communications Technology and Electronics	2022	10.1134/S1064226922130071
Многослойные интерференционные покрытия на основе слоёв кремния и двуокиси кремния на утоньшенных матричных фотоприемниках из InSb с повышенной механической прочностью и воспроизводимостью	Успехи прикладной физики	2022	
Detection of Hypertension-Induced Changes in Erythrocytes by SERS Nanosensors	Biosensors	2022	10.3390/bios12010032
Effect of the Substrate on Photoluminescent Properties of Organometallic Perovskite Nanocrystals	Physics of Atomic Nuclei	2022	10.1134/S1063778822090265
Study of quasi 1-D silicon nanostructures adsorption properties; [Исследование адсорбционнымх свойств квази 1-Д наноструктур кремния]	St. Petersburg State Polytechnical University Journal: Physics and Mathematics	2022	10.18721/JPM.153.201
Anisotropic Radiation in Heterostructured “Emitter in a Cavity” Nanowire	Nanomaterials	2022	10.3390/nano12020241
Germanium Nanoparticles Prepared by Laser Ablation in Low Pressure Helium and Nitrogen Atmosphere for Biophotonic Applications	Materials	2022	10.3390/ma15155308
Photoelectronics Based on 0D Materials	Journal of Communications Technology and Electronics	2022	10.1134/S106422692213006X
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

Структура и транспортные характеристики монокристаллических и керамических твердых электролитов ZrO2–Y2O3	Электрохимия	2022	
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
Tunable femtosecond nonlinear absorption and optical limiting thresholds of La2O3–B2O3 glasses by controlling the borate structural units	Scripta Materialia	2022	10.1016/j.scriptamat.2022.114530
Structure and Transport Characteristics of Single-Crystal and Ceramic ZrO2–Y2O3 Solid Electrolytes	Russian Journal of Electrochemistry	2022	10.1134/S1023193522020069
Особенности применения феррицианида калия в качестве медиатора для функционирования биоанода на основе Escherichia coli	Электрохимия	2022	
Some features of alcohols electrooxidation process on Pd, Rh and PdRh catalysts	Electrochimica Acta	2022	10.1016/j.electacta.2022.139998
Peculiarities of Using Potassium Ferricyanide as the Mediator for Bioanodes Based on Escherichia coli	Russian Journal of Electrochemistry	2022	10.1134/S1023193522100044
Theory of Nematic Superconductivity in Doped Topological Insulators (Brief Review)	JETP Letters	2022	10.1134/S0021364022601816
Gentle Patterning Approaches toward Compatibility with Bio-Organic Materials and Their Environmental Aspects	Small	2022	10.1002/smll.202200476
Single-particle and collective excitations of polar water molecules confined in nano-pores within a cordierite crystal lattice	Physical Chemistry Chemical Physics	2022	10.1039/d1cp05338h
Two Birds with One Stone: Using Indium Oxide Surficial Modification to Tune Inner Helmholtz Plane and Regulate Nucleation for Dendrite-free Lithium Anode	Small Methods	2022	10.1002/smtd.202200113
Low-temperature infrared spectroscopy of the strongly correlated semiconductor Tm0.19Yb0.81B12 with dynamic charge stripes	Journal of Physics Condensed Matter	2022	10.1088/1361-648X/ac920b
Controlling asymmetric reflection of metasurfaces with loss	ST PETER POLY U J-PH	2022	
Photochromic Transformations of Color Centers in Disordered Crystal Systems	Crystallography Reports	2022	10.1134/S106377452206030X
Charge and spin correlations in insulating and incoherent metal states of twisted bilayer graphene	Physical Review B	2022	10.1103/PhysRevB.106.115147
Model of the SARS-CoV-2 Virus for Development of a DNA-Modified, Surface-Enhanced Raman Spectroscopy Sensor with a Novel Hybrid Plasmonic Platform in Sandwich Mode	Biosensors	2022	10.3390/bios12090768

Адаптивные технологии быстрого проектирования веб-интерфейсов корпоративных образовательных систем в рамках платформы "1С:Предприятие 8.3"	Информатика и образование	2022	