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| | | Гр.№1 ЯБ | | | | | | | | | |
| № ПП | авторский коллектив от ЛНФ ОИЯИ | сторонние соавторы с указанием страны и названия института | название публикации | библиографическая ссылка на публикацию | электронная ссылка на статью | Impact Factor | Q1/Q2/Q3 /Q4 | вклад ЛНФ ОИЯИ, % | установки и центры, где получены научные результаты | финансовая поддержка, указанная в публикации (РНФ, РФФИ, программы ЕС или страны-участницы ОИЯИ, включая гранты и проекты ПП, проекты, получившие финансирование различных фондов и т.п.) | |
| 1 | D. Nikolayev, T. Lychagina | M.Kucerakova, S. Vratislav, L. Kalvoda (Czech Technical University in Prague, Czech Republic), J. Rohlicek (Institute of Physics, Czech Academy of Sciences, Czech Republic), K. Douba (Czech University of Life Sciences in Prague, Czech Republic) | Texture Study of Sinanodonta Woodiana Shells by X-Ray Diffraction | Journal of Surface Investigation X-ray Synchrotron and Neutron Techniques 15(3):640-643, (2021) DOI: 10.1134/S1027451021030289 | https://link.springer.com/article/10.1134%2FS1027451021030289 | 0.359 | Q3 | 30% | Rigaku X-ray diffractometer, Institute of Physics, CAS, Czech Republic | 04-4-1121-2015/2020; Czech-JINR Projects No. 204/20.03.2020 item 32) and Grant of the Plenipotentiary of the government of the Czech Republic in JINR 202/24.03.2020 item 15 | |
| 2 | R.N. Vasin | S.V. Raju, S.K. Saxena (Florida International University, USA), B.K. Godwal, R. Jeanloz, H.-R. Wenk (UC Berkeley, USA) | Deformation of binary and boron-doped Ni3Al alloys at high pressures studied with synchrotron X-ray diffraction | Journal of Applied Physics 129, 225101 (2021) | https://doi.org/10.1063/5.0037012 | 2.286 | Q2 | 50% | 16IDB of HPCAT, APS (USA) | US Air Force Office of Scientific Research under Grant No. FA9550-12-1-0456 | |
| 3 | Ryzhykau, Y. L.; Rulev, M. I.; Vlasov, A. V.; Murugova, T. N.; Rogachev A.V.; Kuklin, A. I.; Gordeliy, V. I. | P.S. Orekhov (MIPT, Russia), I.A. Melnikov (ESRF, France), D.A. Volkov (Forschungszentrum Jülich, IBI-7: Structural Biochemistry, Germany), M.Y. Nikolaev (MIPT, Russia), D.V. Zabelskii (MIPT, Russia), V.V. Chupin (MIPT, Russia), A. Y. Gruzinov (EMBL, Germany), D.I. Svergun (EMBL, Germany), M.E. Brennich (EMBL Grenoble Outstation, France), I.Y. Gushchin (MIPT, Russia), M. Soler-Lopez (ESRF, France), A. Bothe (Max Planck Institute of Molecular Physiology, Germany), G. Büldt (MIPT, Russia), G. Leonard (ESRF, France), M. Engelhard (Max Planck Institute of Molecular Physiology, Germany) | Molecular model of a sensor of two-component signaling system | Scientific Reports 2021, 11, (1), 10774. | https://www.nature.com/articles/s41598-021-89613-6 | 3.998 | Q1 | 80% | YuMO spectrometer (IBR-2, Dubna, Russia) BM29 beamline (ESRF, Grenoble, France) BioSAXS beamline P12 (PETRA III, DESY, Hamburg, Germany) | Russian Foundation for Basic Research (project no. 20-54-12027) and Deutsche Forschungsgemeinschaft (project no. 430170559). Ministry of Science and Higher Education of the Russian Federation (agreement # 075-00337-20-03, project FSMG-2020-0003). | |
| 4 | Avdeev M.V., Ivankov O. I. | I.Safarik, J.Prochazkova, M.A.Schroer, V.M. Garamus, P.Kopcansky, M.Timko, M.Rajnak, M.Karpets, V.I. Petrenko, L.Bulavin, K.Pospiskova | Cotton Textile/Iron Oxide Nanozyme Composites with Peroxidase-like Activity: Preparation, Characterization, and Application | ACS Applied Materials & Interfaces 2021, 13, 23627–23637 | DOI: 10.1021/acsami.1c02154 | 8.758 | Q1 | 30% | YuMO spectrometer (IBR-2, Dubna, Russia) | | |
| 5 | Artykulnyi O.P., Kuklin A.I. | Ospennikov A.S., Gavrilov A.A., Shibaev A.V., Novikov V.V., Phillipova O.E. | Transformations of wormlike surfactant micelles induced by a water-soluble monomer | Journal of Colloid and Interface Science 2021, 602 (15), 590-601 | https://doi.org/10.1016/j.jcis.2021.05.062 | 7.489 | Q1 | 30% | YuMO spectrometer (IBR-2, Dubna, Russia) | Russian Science Foundation (project № 18-73-10162). | |
| 6 | M. Balasoiu | M. Bunoiu, I. Bica, G. Pascu (West University of Timisoara, Faculty of Physics, Romania), G. Vlase, T. Vlase (West University of Timisoara, Research Center for Thermal Analysis in Environmental Problems) | Study of thermal stability of some magnetorheological elastomers | Romanian Reports in Physics 73(2) 505 (2021) | http://www.rp.infm.ro/2021/AN73503.pdf | 2.147 | Q2 | 10% | TG/DTG/HF and FTIR-UATR, UVT Timisoara | RO-JINR Projects No.268/ 20.05.2020 item 48; No. 269/20.05.2020 item 51; RO-JINR Grant 267/20.05.2020 item 33 | |
| 7 | D. Soloviov, A.Rogachev, V. Gordeliy | | Structure-based insights into evolution of rhodopsins | Nature Communications Biology, 2021. 4(1) | https://www.nature.com/articles/s42003-021-02326-4 | 6.268 | Q1 | 40% | ESRF (ID30b), MIPT (Flash Photolysis setup) | Common program of Agence Nationale de la Recherche (ANR), France and Deutsche Forschungsgemeinschaft (DFG), Germany (ANR-15-CE11-0029-02/FA 301/11-1), by the DFG Research Unit FOR 2518 (DynIon, project P4 to JPM, MA 7525/1-1), Russian Foundation for Basic Research project number 20-34-90009, Ministry of Science and Higher Education of the Russian Federation (agreement # 075-00337-20-03, project FSMG-2020-0003), Russian Science Foundation (RSF) Project 19-44-06302, Russian Foundation for Basic Research project number 17-00-00164, Russian Science Foundation (RSF) Project 21-64-00018. | |

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|------|---|---|--|--|---|---------------|--------------|-------------------|---|---|
| 8 | A.I.Kuklin, O.I. Ivankov, A.V. Rogachev, D.V. Soloviov, A.K. Islamov, V.V. Skoi, Y.S. Kovalev, A.V. Vlasov, Y.L. Rzyzkau, N. Kucerka, V. I. Gordeliy, | | Small-Angle Neutron Scattering at the Pulsed Reactor IBR-2: Current Status and Prospects. | Crystallography Reports 2021 Vol. 66 Issue 2 Pages 231-241 | https://link.springer.com/article/10.1134%2F51063774521020085 | 0.661 | Q3 | 100% | YuMO spectrometer (IBR-2, Dubna, Russia) | Russian Science Foundation, project no. 19-72-20186. |
| 9 | T. Kondela, M. Vorobyeva, K. Mamatkulov, D. Soloviov, P. Hrubovčák, K. Kholmurodov, G. Arzumanyan, N. Kučerka, | E. Dushanov (JINR, Russia), E. Drolle (Department of Biology, University of Waterloo, Waterloo, Ontario, Canada), Z. Leonenko (Department of Biology, University of Waterloo, Waterloo, Ontario, Canada) | Investigating the competitive effects of cholesterol and melatonin in model lipid membranes. | Biochimica et Biophysica Acta - Biomembranes, 2021. 1863(9). | https://www.sciencedirect.com/science/article/pii/S0005273621001012?via%3Dihub | 3.747 | Q1 | 80% | YuMO spectrometer (IBR-2, Dubna, Russia), Canadian Neutron Beam Centre's N5 beamline | JINR thematic Project "Nanobiophotonics" (theme # 04-4-1133/2018-2023) and the computational heterogeneous cluster HybriLIT (JINR). Russian Science Foundation grant 19-72-20186. |
| 10 | I. Yu Zel, T.I. Ivankina, S. E. Kichanov, D.P. Kozlenko | M. Petruzalek, T. Lokajicek (IG CAS CZ, Prague) I. Porosnicu (National Institute for Laser, Plasma and Radiation Physics, Romania), P. Schnabl, P. Pruner (IG CAS CZ, Prague), O.G. Dului (University of Bucharest,Romania) | Assessment of structural, magnetic, and P-wave velocity anisotropy of two biotite gneisses from X-ray and neutron tomography | Tectonophysics 812 (2021) 228925 | https://doi.org/10.1016/j.tecto.2021.228925 | 3.325 | Q1 | 70% | SKAT, neutron radiography and tomography facility (JINR), X-ray tomography (National Institute for Laser, Plasma and Radiation Physics, Romania), MFK1 Kappabridge, Chamber for uniaxial compression, ultrasonics (IG CAS CZ, Prague) | Czech Science Foundation, research grant 18-08826S; by the Czech Academy of Sciences, project RVO 67985831; JINR theme No. 04-4-1121-2015/2020. |
| 11 | Vershinina T.N., Bobrikov I.A., Sumnikov S.V., A.M. Balagurov | Boev A.O., Mohamed A.K., Golovin I.S. | Crystal structure and phase composition evolution during heat treatment of Fe-45Ga alloy | Intermetallics | https://doi.org/10.1016/j.intermet.2021.107110 | 3.758 | Q1 | 70% | HRFD (IBR-2, Dubna, Russia), EMPYREAN (PANalytical) X-ray diffractometer (JINR) | Russian Foundation for Basic Research (grant No. 18-58-52007). |
| 12 | Andrey Rogachev | Marina Volkova, Anastasia Atamas, Alexey Tsarenko, Andrey Rogachev and Albert Guskov | Cation Transporters of Candida albicans—New Targets to Fight Candidiasis? | Biomolecules 2021, 11(4), 584 | https://doi.org/10.3390/biom11040584 | 4.694 | Q1 | 30% | | |
| 13 | Maria Bălăşoiu, Andrey Rogachev | Claudia G. Chilom, Nicoleta Sandu, Sorina Ifimie, Maria Bălăşoiu, Andrey Rogachev, Oleg Orelovich and Sergey Stolyar | Interactions of Chemically Synthesized Ferrihydrite Nanoparticles with Human Serum Transferrin: Insights from Fluorescence Spectroscopic Studies | Int. J. Mol. Sci. 2021, 22 (13), 7034 | https://doi.org/10.3390/ijms22137034 | 5.923 | Q1 | 30% | | |
| 14 | S.E. Kichanov, K.M. Nazarov | A. El. Abd, M. Taman, E. Hamad | Implementation of capillary penetration coefficient on water sorptivity for porous building materials: An experimental study | Construction and Building Materials | https://doi.org/10.1016/j.conbuildmat.2021.123758 | 6.141 | Q1 | 40% | neutron radiography and tomography facility (FLNP JINR) | |
| 15 | S.E. Kichanov | K. Annamalai, R. Radha, M. Navaneethan, S. Balakumar | Ice Bath Assisted BiMn2O5 (Mullite) Phase Synthesis, Structural and Compositional Analysis under Different Bi Concentration | ECS Journal of Solid State Science and Technology, 10, 061001 (2021) | https://doi.org/10.1149/2162-8777/ac040c | 2.070 | Q2 | 10% | DN-6 diffractometer (FLNP JINR) | |

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| 16 | I. Yu. Zel, M. Kenessarin, I. Yu. Zel, M. Kenessarin, S.E Kichanov, M. Balasoiu, D.P. Kozlenko, K. Nazarov | M Nicu, L Ionascu, AC Dragolici (IFIN-HH); F Dragolici (ANEA, Vienna) | Spatial distribution of graphite in cement materials used for radioactive waste conditioning: An approach to analysis of neutron tomography data | Cement and Concrete Composites, 119, 103993 (2021) | https://doi.org/10.1016/j.cemconcomp.2021.103993 | 7.586 | Q1 | 80% | neutron radiography and tomography facility (FLNP JINR) | |
| 17 | D. P. Kozlenko, S. E. Kichanov, B. N. Savenko, A. V. Rutkavkas | N. T. Dang, R. P. Madhogaria, L. T. P. Thao, N. Tran, D. T. Khan, N. Truong-Tho, T. L. Phan, B. W. Lee, L. H. Khiem, H. B. Nguyen, T. A. Tran, T. Kmječ, J. Kohout, V. Chlan, and M. H. Phan | Competing magnetic states in multiferroic BaYFeO4: A high magnetic field study | Phys. Rev. Materials 5, 044407 (2021) | https://doi.org/10.1103/PhysRevMaterials.5.044407 | 3.989 | Q1 | 70% | DN-6 diffractometer (FLNP JINR) | |
| 18 | G. Hristozova, I. Zinicovscaia, N. Yushin, D. Grozdov | A. Ciocarlan, A. Aricu, I. Dragalin, V. Popescu (Institute of Chemistry, Moldova) | Determination of the Elemental Composition of Aromatic Plants Cultivated Industrially in the Republic of Moldova Using Neutron Activation Analysis. | Agronomy 2021, 11, 1011. | https://doi.org/10.3390/agronomy11051011 | 2.603 | Q1 | 70% | ИБР-2 РЕГАТА | |
| 19 | I. Zinicovscaia, D. Grozdov, K. Vergel. | L. Cepoi, L. Rudi, T. Chiriac (Institute of Microbiology and Biotechnology, Moldova) | Effect of zinc-containing systems on Spirulina platensis bioaccumulation capacity and biochemical composition. | Environmental Science and Pollution Research, (2021). | https://doi.org/10.1007/s11356-021-14457-6 | 3.056 | Q2 | 50% | ИБР-2 РЕГАТА | грант РФФИ |
| 20 | O. Chaligava, M. Frontasyeva, I. Zinicovscaia, A. Madadzada. | Ö. Kılıç, M. Belivermiş, E. Sıkdokur, N. Sezer, S. Akyıl Erentürk, S. Hacıyakupoglu (Istanbul University, 34134, Vezneciler , Istanbul, Turkey) | Temporal Changes of Atmospheric Deposition of Major and Trace Elements in European Turkey, Thrace Region. | Journal of Radioanalytical and Nuclear Chemistry, 2021, | https://doi.org/10.1007/s10967-021-07763-3 | 1.137 | Q3 | 50% | ИБР-2 РЕГАТА | |
| 21 | I. Zinicovscaia, N. Yushin, D. Grozdov, K. Vergel | A. L. Ivlieva, E. N. Petritskaya, D. A. Rogatkin (Moscow Regional Research and Clinical Institute named after M.F. Vladimirov, K. Mamulová Kutláková (Nanotechnology Centre, VŠB-Technical University of Ostrava, 708 00, Ostrava-Poruba, Czech Republic). | Assessment of TiO2 Nanoparticles Accumulation in Organs and Their Effect on Cognitive Abilities of Mice. | Physics of Particles and Nuclei Letters, 2021, Vol. 18, No. 3, pp. 378–384. | DOI: 10.1134/S1547477121030146 | | Q3 | 50% | ИБР-2 РЕГАТА | грант РФФИ |
| 22 | Zinicovscaia, I.; Yushin, N.; Grozdov, D.; | Safonov, A. (Frumkin Institute of Physical Chemistry, Russian Academy of Science,); Rodlovskaya, E. (A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences,) | Metal Removal from Zinc-Containing Effluents Using Shewanella xiamenensis Biofilm Formed on Zeolite. | Materials, 2021, 14, 1760. | https://doi.org/10.3390/ma14071760 | 3.057 | Q2 | 80% | ИБР-2 РЕГАТА | грант РФФИ |
| 23 | A. S. Sergeeva; I. Zinicovscaia; K. Vergel; N. Yushin, | Aničić Urošević M (Institute of Physics Belgrade) | The effect of heavy industry on air pollution studied by active moss biomonitoring in Donetsk region (Ukraine). | Archives of Environmental Contamination and Toxicology, 2021 | https://doi.org/10.1007/s00244-021-00834-2 | 2.4 | Q2 | 80% | ИБР-2 РЕГАТА | |
| 24 | V. Furman; Yu. Kopatsh | Simone Amaducci, Nicola Colonna, Luigi Cosentino and nTOF collaboration | First Results of the ¹⁴⁰ Ce(n,γ) ¹⁴¹ Ce Cross-Section Measurement at n_TOF | Universe 7, 200 (2021) | 10.3390/universe7060200 | 1.79 | Q2 | 2% | nTOF, CERN | |

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| 25 | V. Furman; Yu. Kopatch | M. Dietz, C. Lederer-Woods, A. Tattersall | Measurement of the $^{72}\text{Ge}(n,\gamma)$ cross section over a wide neutron energy range at the CERN n_TOF facility | Physical Review C 103, 045809 (2021) | 10.1103/physrevc.103.045809 | 2.99 | Q1 | 2% | nTOF, CERN | | |
| 26 | V. Furman; Yu. Kopatch | V. Babiano-Suarez, J. Lerendegui-Marco, J. Balibrea-Correa and nTOF collaboration | Imaging neutron capture cross sections | The European Physical Journal A 57, 197 (2021) | 10.1140/epja/s10050-021-00507-7 | 2.18 | Q2 | 2% | nTOF, CERN | | |
| 27 | V. Furman; Yu. Kopatch | A. Gawlik, C. Lederer-Woods, J. Andrzejewski and nTOF collaboration | Radiative Neutron Capture Cross-Section Measurement of Ge Isotopes at n_TOF CERN Facility and Its Importance for Stellar Nucleosynthesis | Acta Physica Polonica A 139, 383--388 (2021) | 10.12693/aphyspola.139.383 | 0.58 | Q3 | 2% | nTOF, CERN | | |
| 28 | A. Svoziliková Krakovská | J. Bitta, V. Svozilik (Faculty of Materials Science | The Neural Network | Atmosphere 2021, 12(4), | https://doi.org/10.1080/108813616407abf429 | 2.686 | Q2 | 20% | LIT JINR | 3+3 project, between the Czech Republic and JINR | |
| 29 | A. Svoziliková Krakovská | V. Svozilik, J. Bitta, P. Jančík (Faculty of | Comparison of the Air | Atmosphere 2021, 12(6), | https://doi.org/10.1080/108813616407abf429 | 2.686 | Q2 | 30% | IBR-2 REGATA, LIT JINR | Grants of the Plenipotentiary Representative of the Czech | |
| 30 | N. A. Fedorov, D. N. Grozdanov, Yu. N. Kopatch, T. Yu. Tretyakova, V. R. Skoy, I. D. Dashkov, F. A. Aliyev, S. Dabylova, C. Hramco & TANGRA collaboration | A. Kumar-Banaras Hindu University, 221005 Varanasi, India, A. Gandhi-Banaras Hindu University, 221005 Varanasi, India, D. Wang- Xi'an Jiao Tong University, Xi'an 710049, China, E. P. Bogolyubov-All-Russia Research Institute of Automatics (VNIIA), 127055 Moscow, Russia, D. I. Yurkov-All-Russia Research Institute of Automatics (VNIIA), 127055 Moscow, Russia | Inelastic scattering of 14.1 MeV neutrons on iron | Eur. Phys. J. A (2021) 57:194 | https://doi.org/10.1140/epja/s10050-021-00503-x | 3.043 | Q1 | 99% | FLNP, TANGRA | | |
| 31 | S.B. Dabylova, Yu.N. Kopatch, N.A. Fedorov, D.N. Grozdanov, V.R. Skoy, K. Hramco, T.Yu. Tretyakova, R.B. Marzhokhov | E.P. Bogolyubov, V.I. Zverev, Yu.N. Barmakov - All-Russia Research Institute of Automatics (VNIIA), 127055 Moscow, Russia. S.K. Sakhiyev - L.N. Gumilyov Eurasian National University, Nur-Sultan, Kazakhstan, | Measuring the yields and angular distributions of γ - quanta from the interaction between 14.1 MeV neutrons with sodium nuclei | Eurasian Journal of Physics and Functional Materials, ISSN:2522-9869, eISSN: 2616-8537 | http://ephys.kz/index.php?view=article&id=245 | - | | 99% | FLNP, TANGRA | | |
| 32 | Yu.N.Pokotilovski | A.Addazi et al., HIBEAM/NNBAR collaboration | New high-sensitivity searches for neutrons converting into antineutrons and/or sterile neutrons at the HIBEAM/NNBAR experiment at the European Spallation source | Journ. Phys. G: Nucl. Part. Phys. 48 (2021) 070501 | https://doi.org/10.1088/1361-6407/abf429 | 3.045 | Q1 | 2% | | | |
| 33 | V.V. Kruglov at all https://content.iospress.com/download/journal-of-neutron-research/jnr210001?id=journal-of-neutron-research%2Fjnr210001 | https://content.iospress.com/download/journal-of-neutron-research/jnr210001?id=journal-of-neutron-research%2Fjnr210001 | Wide-aperture back-scattering detector (BSD) for the High-Resolution Fourier Diffractometer (HRFD) at the IBR-2 reactor | Journal of Neutron Research -1 (2021) 1–8 DOI 10.3233/JNR-210001 IOS Press | https://content.iospress.com/download/journal-of-neutron-research/jnr210001?id=journal-of-neutron-research%2Fjnr210001 | 0.84 | Q4 | | ОИЯИ, ЛНФ ИБР-2М | ОИЯИ | |
| 34 | Е.П. Шабалин, М.М. Подлесный, А.А. Хассан, М.В. Рзянин | | Способ снижения уровня колебаний мощности в импульсном реакторе «НЕПТУН». | Письма в ЭЧАЯ, 2021, том 18, номер 3, стр. 283. | http://www1.jinr.ru/PePan_letters/panl_2021_3/11_Shabalin.pdf | | | 10000% | ОИЯИ, ЛНФ | | |
| 35 | А.А. Hassan, Е.Р. Shabalin | | Fourth Generation neutron source in Dubna, "Solution of pulse power fluctuation's problem" | Physics of Atomic Nuclei, 2021, vol. 84, issue 3, p. 227 | https://link.springer.com/article/10.1134/S106377882103011X | | | 10000% | ОИЯИ, ЛНФ | | |

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| № ПП | авторский коллектив от ЛНФ ОИЯИ | сторонние соавторы с указанием страны и названия института | название публикации | библиографическая ссылка на публикацию | электронная ссылка на статью | Impact Factor | Q1/Q2/Q3 /Q4 | вклад ЛНФ ОИЯИ, % | установки и центры, где получены научные результаты | финансовая поддержка, указанная в публикации (РНФ, РФФИ, программы ЕС или страны-участницы ОИЯИ, включая гранты и проекты ПП, проекты, получившие финансирование различных фондов и т.п.) |
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