

|      |  | НЭО НИКС   |  |   |   |  |             |                   |  |  |
|------|--|--|--|---|---|--|-------------|-------------------|--|--|
|      |  | ОЯФ  |  |   |   |  |             |                   |  |  |
|      |  | НЭОКС  |  |   |   |  |             |                   |  |  |
|      |  | СРС  |  |   |   |  |             |                   |  |  |
| № ПП | авторский коллектив от ЛНФ ОИЯИ  | сторонние соавторы с указанием страны и названием 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    | G.M. Arzumanyan, K.Z. Mamatkulov, A.S. Marchenko   | A.S. Gur'ev, D.E. Kravtunova, K.A. Vereshchagin, A. Yu. Volkov, «Медтехнопарк», Москва, Россия, а также ИОФ РАН, Москва, Россия  | “Micro Raman spectroscopy for NETosis detection”   | J. Raman spectroscopy, 2020, 51, 1960–1969.   | <a href="https://doi.org/10.1002/jrs.5844">https://doi.org/10.1002/jrs.5844</a>   | 2.809 (2019)   | Q2          | 75%               | КАРС микроспектрометр, ЛНФ   | Грант ПП Словацкой Республики, приказ №164   |
| 2    | M.V.Bulavin, A.A. Belyakov, A.E. Verkhoglyadov, S.A. Kulikov, K.A. Mukhin  | нет  | Gain factor of the pelletized cold neutron moderator at 22K  | ISSN 1027-4510, Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques, 2020, Vol. 14, No. 3, pp. 434–436. | нет, еще не вышла электронная версия  | 0,75   |             | 75%               | ИБР-2  | нет  |
| 3    | Е. И. Литвиненко, А. А. Богдзель, В. И. Боднарчук, А. В. Чураков, И. В. Гапон, В. А. Дроздов, С. А. Куликов, С. М. Мурашкевич, А.В. Нагорный     | нет  | СРАВНИТЕЛЬНЫЙ АНАЛИЗ ХАРАКТЕРИСТИК СИСТЕМ СБОРА ДАННЫХ С ПОЗИЦИОННО-ЧУВСТВИТЕЛЬНЫХ ДЕТЕКТОРОВ НЕЙТРОНОВ                        | ПРИБОРЫ И ТЕХНИКА ЭКСПЕРИМЕНТА, 2020, № 3, с. 56–64   | <a href="https://doi.org/10.31857/S0032816220040072">https://doi.org/10.31857/S0032816220040072</a>   | Импакт-фактор (РИНЦ): 0,712                                      | Q3          | 100%              | ИБР-2  | нет  |
| 4    | Е. I. Litvinenko, A. A. Bogdzel, V. I. Bodnarchuk, A. V. Churakov, I. V. Gapona, V. A. Drozdov, S. A. Kulikov, S. M. Murashkevich, A. V. Nagorny | нет  | A Comparative Analysis of the Characteristics of Data Acquisition Systems From Position-Sensitive Neutron Detectors            | Instruments and Experimental Techniques, 2020, Vol. 63, No. 3, pp. 339–347  | <a href="https://doi.org/10.1134/S0020441220040077">https://doi.org/10.1134/S0020441220040077</a>   | 0.443 (2019) Impact factor; 0.422 (2019) Five year impact factor | Q3          | 100%              | ИБР-2  | нет  |
| 5    | A. N. Chernikov  |  | Shaft Cryostat Based on a GM Cryocooler and Its Capabilities   | Physics of Particles and Nuclear Letters, 2020, Vol. 17, No. 2, pp. 183–186   | <a href="http://www1.jinr.ru/Pepan_letters/panl_2020_2/10_Chernikov.pdf">http://www1.jinr.ru/Pepan_letters/panl_2020_2/10_Chernikov.pdf</a>                 | RG Journal Impact: 0.41  |             | 100%              | ИБР-2  | нет  |
| 6    | Е P Popov, A N Chernikov, A I Beskrovnyi   | J Waliszewski Faculty of Physics, University of Bialystok, 14 Maria Skłodowska-Curie, 15-089 Bialystok, Poland M N Mirzayev Institute of Radiation Problems, ANAS, 9 B. Vahabzade Str., AZ 1143 Baku, Azerbaijan   | Cryostat for cooling samples in the study of low-temperature structural and magnetic phase transitions by neutron diffraction. | Journal of Physics: Conference Series 1492 (2020) 012054  | <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1492/1/012054/pdf">https://iopscience.iop.org/article/10.1088/1742-6596/1492/1/012054/pdf</a> | Impact Factor: 0.53  |             | 75%               | ИБР-2  | нет  |
| 7    | Bokuchava G., Turchenko V., Gorshkova Y.   | Fernandez R (Department of Physical Metallurgy, Centro Nacional de Investigaciones Metalúrgicas (CENIM) C.S.I.C., Madrid. Spain), Toda-Caraballo I. (Department of Physical Metallurgy, Centro Nacional de Investigaciones Metalúrgicas (CENIM) C.S.I.C., Madrid. Spain), Bruno G. (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany; University of Potsdam, Institute of Physics and Astronomy, Potsdam, Germany), Gonzalez-Doncel G. (Department of Physical Metallurgy, Centro Nacional de Investigaciones Metalúrgicas (CENIM) C.S.I.C., Madrid. Spain) | Analysis of the Combined Strengthening Effect of Solute Atoms and Precipitates on Creep of Aluminum Alloys                     | Advanced Engineering Materials, 2020, 22 (4) , art. no. 1901355   | <a href="https://doi.org/10.1002/adem.201901355">https://doi.org/10.1002/adem.201901355</a>   | 2.906, (SJR 0.94)  | Q1          | 5000%             | FSD, at the IBR-2 pulsed reactor in FLNP JINR (Dubna, Russia), EMPYREAN diffractometer (ЛНФ ОИЯИ), Hitachi 2100J cold cathode microscope (Department of Physical Metallurgy, Centro Nacional de Investigaciones Metalúrgicas (CENIM) C.S.I.C., Madrid. Spain), glow discharge optical emission spectroscopy, GD-OES (Department of Physical Metallurgy, Centro Nacional de Investigaciones Metalúrgicas (CENIM) C.S.I.C., Madrid. Spain) | R. Fernández and G. González-Doncel are grateful to MINECO, Spain, for the financial support of project MAT2017-83825-C4-1-R. I. Toda-Caraballo is grateful for financial support through fellowship 2016-T2/IND-1693 from the Programme Atracción de talento investigador (Consejería de Educación, Juventud y Deporte, Comunidad de Madrid). |

|      |  | НЭО НИКС   |   |   |   |                   |             |                   |  |   |
|------|--|--|---|---|---|-------------------|-------------|-------------------|--|---|
|      |  | ОЯФ  |   |   |   |                   |             |                   |  |   |
|      |  | НЭОКС  |   |   |   |                   |             |                   |  |   |
|      |  | СРС  |   |   |   |                   |             |                   |  |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ                              | сторонние соавторы с указанием страны и названием 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.) |
| 8    | Yulia E Gorshkova  | Lyubov A. Ivanova (RF; Petersburg Nuclear Physics Institute, National Research Center Kurchatov Institute), Konstantin B. Ustinovich (RF; Kurnakov Institute of General and Inorganic Chemistry of the Russian Academy of Sciences), Tamara V. Khamova (RF; Grebenshchikov Institute of Silicate Chemistry of the Russian Academy of Sciences), Elena V. Eneyskaya (RF; Petersburg Nuclear Physics Institute), Natalia V. Tsvigun (Federal Scientific Research Center "Crystallography and Photonics" of the Russian Academy of Sciences), Vladimir S. Burdakov (RF; Petersburg Nuclear Physics Institute, National Research Center Kurchatov Institute), Nikolay A. Verlov (RF; Petersburg Nuclear Physics Institute, National Research Center Kurchatov Institute), Evgenii V. Zinovev (RF; Saint Petersburg Research Institute of Emergency Medicine, Laboratory of Experimental Surgery of Scientific Research Center, Saint-Petersburg State Pediatric Medical University), Marat S. Asadulaev (RF; Laboratory of Experimental Surgery of Scientific Research Center, Saint-Petersburg State Pediatric Medical University), Anton S. Shabunin 9, Andrey M. Fedyk (RF; Laboratory of Experimental Surgery of Scientific Research Center, Saint-Petersburg State Pediatric Medical University, Alexander Ye. Baranchikov (RF; Kurnakov Institute of General and Inorganic Chemistry of the Russian Academy of Sciences), Gennady P. Kopitsa (RF; Petersburg Nuclear Physics Institute, National Research Center Kurchatov Institute, Grebenshchikov Institute of Silicate Chemistry of the Russian Academy of Sciences) and Anna A. Kulminkaya (RF; Petersburg Nuclear Physics Institute, National Research Center Kurchatov Institute) | Crystal and supramolecular structure of bacterial cellulose hydrolyzed by cellobiohydrolase from <i>Scytalidium candidum</i> 3C: A basis for development of biodegradable wound dressings | Materials 2020, 13, 2087  | <a href="https://doi.org/10.3390/ma13092087">https://doi.org/10.3390/ma13092087</a>                     | 2.972, (SJR 0.69) | Q1          | 2000%             | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia), KWS-3 facility (FRM_II reactor, Garching, Germany), EMPYREAN diffractometer (ЛНФ ОИЯИ), NTEGRA PRIMA microscope (ЛНФ ОИЯИ), <i>et al</i>  | This research was funded by the NRC "Kurchatov Institute" (project # 1363).   |
| 9    | V.V.Sikolenko, V.V. Efimov, E.A.Levetrova, S.I. Tiutiunnikov | I.O.Troyanchuk, D.V.Karpinsky, M.V.Bushinsky (State Scientific and Production Association "Scientific-Practical Materials Research Centre" National Academy of science of Belarus, Minsk)  | Study of doped complex cobalt oxides by neutron diffraction and methods based on synchrotron radiation  | Journal of Surface Investigation, 2020, Vol.14 pp17-23            | <a href="https://doi.org/10.1134/S1027451020010176">doi: 10.1134/S1027451020010176</a>                  | 0.36 Q4           | Q4          | 75%               | neutron diffractometer HRPT (SINQ PSI, Switzerland), neutron diffractometer E9 (BER-II, HZB, Germany), neutron diffractometer D20 (ILL France), SQUID magnetometer MPMS (HZB Berlin), synchrotron radiation diffractometer MS (SLS PSI, Switzerland) | This work was supported by the Russian Foundation for Basic Research, project № 18-52-00020 and the Belarussian Foundation for Basic Research, project № F18P-159                         |
| 10   | V.V.Sikolenko, V.V. Efimov, S.I.Tiutiunnikov                 | D.V.Karpinsky, M.V.Bushinsky (State Scientific and Production Association "Scientific-Practical Materials Research Centre" National Academy of science of Belarus, Minsk), S.Schorr (Helmholtz Zentrum Berlin)   | Neutron diffraction study of magnetic and structural transitions in complex Nb-doped cobalt oxides  | Journal of Surface Investigation, 2020 must be published in April |   | 0.36              | Q4          | 75%               | neutron diffractometer E9 (BER-II, HZB, Germany), X-ray diffractometer (SPMRC, Belarus)  | This work was supported by the Russian Foundation for Basic Research, project № 18-52-00020 and the Belarussian Foundation for Basic Research, project № F18P-159                         |
| 11   | A. Rogachev  | K. Kovalev, Volkov, R. Astashkin, A. Alekseev, I. Gushchin, J. M. Haro-Moreno, I. Chizhov, S. Siletsky, M. Mamedov, A. Rogachev, T. Balandin, V. Borsheveskiy, A. Popov, G. Bourenkov, E. Bamberg, F. Rodriguez-Valera, G. Büldt, and V. Gordeliy  | High-resolution structural insights into the heliorhodopsin family  | PNAS February 25, 2020 117 (8) 4131-4141                          | <a href="https://doi.org/10.1073/pnas.1915888117">https://doi.org/10.1073/pnas.1915888117</a>           | 9.58              | (Q1)        | 2000%             | European Synchrotron Radiation Facility (France), SOLEIL (France), PETRAIII (Germany), MIPT (Russia), JINR (Russia)  |   |
| 12   | A. Rogachev, A. Kuklin                                       | Vlasov, A.V.; Maliar, N.L.; Bazhenov, S.V.; Nikelshparg, E.I.; Brazhe, N.A.; Vlasova, A.D.; Osipov, S.D.; Sudarev, V.V.; Ryzhykau, Y.L.; Bogorodskiy, A.O.; Zinovev, E.V.; Rogachev, A.V.; Manukhov, I.V.; Borsheveskiy, V.I.; Kuklin, A.I.; Pokorný, J.; Sosnovtseva, O.; Maksimov, G.V.; Gordeliy, V.I.  | Raman scattering: From structural biology to medical applications   | Crystals 2020, 10, 38   | <a href="https://doi.org/10.3390/cryst10010038">https://doi.org/10.3390/cryst10010038</a>               | 2.086             | (Q2)        | 3000%             | MIPT (Russia), JINR (Russia)   |   |
| 13   | A. Rogachev, M. Rulev  | Maliar, N.; Kovalev, K.; Baeken, C.; Balandin, T.; Astashkin, R.; Rulev, M.; Alekseev, A.; Ilyinsky, N.; Rogachev, A.; Chupin, V.; Dolgikh, D.; Kirpichnikov, M.; Gordeliy, V.   | Crystal Structure of the N112A Mutant of the Light-Driven Sodium Pump KR2   | Crystals 2020, 10, 496  | <a href="https://doi.org/10.3390/cryst10060496">https://doi.org/10.3390/cryst10060496</a>               | 2.086             | (Q2)        | 2500%             | Paul Scherrer Institut (Switzerland), MIPT (Russia), JINR (Russia)   |   |
| 14   | A. Rogachev  | Molchanov V.S., Efremova M.A., Orekhov A.S., Arkharova N.A., Rogachev A.V., Philippova O.E.  | Soft nanocomposites based on nanoclay particles and mixed wormlike micelles of surfactants  | Journal of Molecular Liquids, 2020, 113684                        | <a href="https://doi.org/10.1016/j.molliq.2020.113684">https://doi.org/10.1016/j.molliq.2020.113684</a> | 4.561             | (Q1)        | 3000%             | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia)  |   |



|      |  | НЭО НИКС   |  |  |   |               |             |                   |  |   |
|------|--|--|--|--|---|---------------|-------------|-------------------|--|---|
|      |  | ОЯФ  |  |  |   |               |             |                   |  |   |
|      |  | НЭОКС  |  |  |   |               |             |                   |  |   |
|      |  | СРС  |  |  |   |               |             |                   |  |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ                          | сторонние соавторы с указанием страны и названием 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.)   |
| 15   | M. Balasoiu, D. Soloviov, V. Turchenko                   | R. Vladioiu, A. Mandes, V. Dinca ( Ovidius Univ, Fac Appl Sci & Engn, Constanta, Romania)  | Synthesis and characterization of complex nanostructured thin films based on titanium for industrial applications              | Materials 2020, 13(2), 399                           | <a href="http://doi.org/10.3390/ma13020399">http://doi.org/10.3390/ma13020399</a>                                     | 2.972         | Q2          | 50%               | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia), EMPYREAN diffractometer (FLNP, JINR)  | This research was funded by JINR-UOC, cooperation protocol no 4717-4-18/20, theme no. 04-4-1121-2015/2020, and supported by JINR-Romania 2018-2019 Scientific projects. This work was also supported by a grant of the Romanian Ministry of Research and Innovation, CNCS – UEFISCDI, project number 70/2017, PN-III-ID-PCE-2016-0750, within PNCDI III.  |
| 16   | M. Balasoiu, A.I. Kuklin, Y. S. Kovalev, V. Turchenko    | S.N. Lysenko, S.A. Astaf'eva, D.E. Yakusheva (Russian Acad Sci, Perm Fed Res Ctr, Inst Tech Chem, Ural Branch, Perm, Russia); A. V. Lebedev (Russian Acad Sci, Perm Fed Res Ctr, Inst Continuous Media Mech, Ural Branch, Perm, Russia)  | Preparation and magneto-optical behavior of ferrofluids with anisometric particles   | Physica Scripta 2020, 95(4) 044007                   | <a href="http://doi.org/10.1088/1402-4896/abc6797">http://doi.org/10.1088/1402-4896/abc6797</a>                       | 2.151         | Q2          | 50%               | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia), EMPYREAN diffractometer (FLNP, JINR), Rigaku-SAXS instrument, MPTI, Dolgoprudnyi; other methods: ICMM and IThC Perm, Russia | The study was financially supported by the Government of Perm Krai, the research project no. S-26/791. This work benefited from the use of the SasView application, originally developed under NSF award DMR-0520547. SasView contains code developed with funding from the European Union's Horizon 2020 research and innovation programme under the SINE2020 project, grant agreement No 654000.  |
| 17   | M. Balasoiu, S.I. Tiutiunnkiov                           | C.G. Chilom (Univ Bucharest, Fac Phys, Dept Elect Solid State & Biophys, Magurele, Romania) B. Zorila, M. Bacalum (Horia Hulubei Natl Inst Phys & Nucl Engn, Magurele, Romania); R. Yaroslavtsev, S.V. Stolyar (Siberian Fed Univ, Krasnoyarsk, Russia); SB RAS, Kirensky Inst Phys, Krasnoyarsk, Russia)  | Ferrihydrite nanoparticles interaction with model lipid membranes  | Chemistry and Physics of Lipids 2020, 226, 104851    | <a href="http://doi.org/10.1016/j.chemphyslip.2019.104851">http://doi.org/10.1016/j.chemphyslip.2019.104851</a>       | 2.536         | Q2          | 40%               | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia); other methods: IFIN-HH, Romania; SB RAS KIP, Krasnoyarsk, Russia  | The work was accomplished with the financial support of the 2019 RO-JINR Project Investigation of biogenic and chemically synthesized systems in interaction with biostructures for applied research, Theme 02-1-1107-2011/2019 and of the Romanian National Authority for Scientific Research, CNDI-UEFISCDI, Project numbers: PN 18 09 02 02/2018 and PN 19 06 02 03/2019.  |
| 18   | Vasin R.N., Balagurov A.                                 | Shuitcev A., Fan X.M., Li. L., Tong Y.X. (Harbin   | Volume effect upon   | Scripta Materialia. 2020. V.                         | <a href="http://doi.org/10.1016/j.jmatlet.2020.128069">http://doi.org/10.1016/j.jmatlet.2020.128069</a>               | 4.539         | (Q1)        |                   | HRFD (FLNP JINR, Dubna,  | This study is supported by National Natural Science Foundation  |
| 19   | Vasin R.N., Islamov A.Kh., Bobrikov I.A., Balagurov A.M. | Sun L.Y., Golovin I.S. (National University of Science and Technology "MISIS", Russia); Cifre J. (Universitat de les Illes Balears, Spain)   | Influence of spinodal decomposition on structure and thermoelastic martensitic transition in MnCuAlNi alloy                    | Materials Letters. 2020. V. 275. 128069              | <a href="https://doi.org/10.1016/j.matlet.2020.128069">https://doi.org/10.1016/j.matlet.2020.128069</a>               | 3.019         | (Q2)        |                   | YuMO, Panalytical Empyrean X-Ray diffractometer (FLNP JINR, Dubna, Russia), Perkin Elmer DSC7 (MISIS, Moscow, Russia)  | The work was carried out with support from RFBR project 18-58-52007   |
| 20   | Vitalii Turchenko, Maria Balasoiu, Janusz Waliszewski    | V.G. Kostishyn, National University of Science and Technology MISiS (Russia), Sergei Trukhanov, SSPA Scientific and practical materials research center of NAS of Belarus" (Belarus), Francoise Damay, Florence Porcher, Léon Brillouin Laboratory (France) Nicoleta Lupu, National Institute of Research and Development for Technical Physics (Romania) Bernar Bozzo, Ignasi Fina, Institute of Barcelona Materials Science (Spain) Alex Trukhanov, South Ural State University (National Research University) (Russia) Katarzyna Recko, University of Bialystok, (Poland) Silviu Polosan, National Institute of Materials Physics (Romania) | Crystal and magnetic structures, magnetic and ferroelectric properties of strontium ferrite partially substituted with In ions | Journal of Alloys and Compounds 821 (2020) P. 153412 | <a href="https://doi.org/10.1016/j.jallcom.2019.153412">https://doi.org/10.1016/j.jallcom.2019.153412</a>             | 4.175         |             | 80%               | Saclay (G 4-1); Barcelona (others methods)   | The work was support by the Russian Science Foundation (Agreement No. 19-19-00694 of 06 May 2019). This project has received funding from the EU - H2020 research and innovation program under grant agreement No 654360 having benefitted from the access provided by CSIC/ICMAB in Barcelona (ES) and by CEA/LLB in Paris (FR) within the framework of the NFFA Europe Transnational Access Activity. (European grants to support the infrastructure of European centers of collective usage and mobile activity of researchers). |
| 21   | I. Zuba, M. Piotrowski, A. Pawlukojc                     | M. Zuba (National Atomic Energy Agency, Warsaw, Poland)  | Ruthenium as an important element in nuclear energy and cancer treatment   | Applied Radiation and Isotopes 2020, 162, 109176     | <a href="https://doi.org/10.1016/j.apradiso.2020.109176">https://doi.org/10.1016/j.apradiso.2020.109176</a>           | 1.343         |             | 9000%             | FLNP   | This work was financed by the Representative of the Government of the Republic of Poland in Joint Institute for Nuclear Research in Dubna (Russia)  |
| 22   | V. A. Turchenko, M. Balasoiu, J. Waliszewski,            | S. Trukhanov, SSPA Scientific and practical materials research center of NAS of Belarus" (Belarus), A. Trukhanov, South Ural State University (National Research University) (Russia) F. Damay, F. Porcher, Léon Brillouin Laboratory (France) N. Lupu, H. Chiriac, National Institute of Research and Development for Technical Physics (Romania) B. Bozzo, I. Fina, Institute of Barcelona Materials Science (Spain) V.G. Kostishyn, National University of Science and Technology MISiS (Russia), K. Recko, University of Bialystok, (Poland) S. Polosan, National Institute of Materials Physics (Romania)                                 | Magnetic and ferroelectric properties, crystal and magnetic structures of SrFe11.9In0.1O19                                     | Phys. Scr. 95 (2020) 044006 (1-11).                  | <a href="https://doi.org/10.1088/1402-4896/ab60fb">https://doi.org/10.1088/1402-4896/ab60fb</a>                       | 2.151         |             | 80%               | Saclay (G 4-1); Barcelona (others methods), Panalytical Empyrean X-Ray diffractometer (FLNP JINR, Russia)  | The work was support by the Russian Science Foundation (Agreement No. 19-19-00694 of 06 May 2019). This project has received funding from the EU - H2020 research and innovation program under grant agreement No 654360 having benefitted from the access provided by CSIC/ICMAB in Barcelona (ES) and by CEA/LLB in Paris (FR) within the framework of the NFFA Europe Transnational Access Activity. (European grants to support the infrastructure of European centers of collective usage and mobile activity of researchers). |
| 23   |  | A.Basti, F.Bedeschi, A.Bryzgalin, J.Budagov, P. Fabbriatore, E.Harms, S.Illarionov, S.Nagaitsev, E. Pekar, V.Rybakov, B.Sabirov, Ju.Samarokov, W. Soyars, Ju.Taran, G.Trubnikov  | Upgrade of the ILC cryomodule  |  | <a href="https://arxiv.org/abs/2004.05948v1">arXiv:2004.05948v1 [physics.acc-ph]. 16 p., Submitted on 13 Apr 2020</a> |               |             |                   |  |   |

|      |   | НЭО НИКС   |  |   |   |               |             |                   |  |   |
|------|---|--|--|---|---|---------------|-------------|-------------------|--|---|
|      |   | ОЯФ  |  |   |   |               |             |                   |  |   |
|      |   | НЭОКС  |  |   |   |               |             |                   |  |   |
|      |   | СРС  |  |   |   |               |             |                   |  |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ   | сторонние соавторы с указанием страны и названием 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.)   |
| 24   | S.E.Kichanov, D.P. Kozlenko   | I.A. Saprykina, M.Mednikova ( Institute of Archaeology RAS, Russia)  | The Reconstruction of a Bronze Battle Axe and Comparison of Inflicted Damage Injuries Using Neutron Tomography, Manufacturing Modeling, and X-ray Microtomography Data | J. Imaging 2020, 6, 45  | <a href="https://doi.org/10.3390/jimaging6060045">https://doi.org/10.3390/jimaging6060045</a>                     |               |             | 60 %              | NRT facility (IBR-2 pulsed reactor, Dubna, Russia)   |   |
| 25   | S.E. Kichanov, S. Dyussembekova, D.P. Kozlenko, N.M. Belozeroва, B.N. Savenko           | J.Wasicki, W.Nawrocik (Faculty of Physics, Adam Mickiewicz University, Umultowska 85, 61-614, Poznan, Poland)  | A high pressure effect on the vibrational spectra of ranitidine hydrochloride  | Journal of Molecular Structure 1218 (2020) 128515   | <a href="https://doi.org/10.1016/j.molstruc.2020.128515">https://doi.org/10.1016/j.molstruc.2020.128515</a>       | 44167         |             | 85 %              | Raman spectroscopy (FLNP, JINR, Dubna, Russia)   |   |
| 26   | N.M. Belozeroва, S.E. Kichanov, D.P. Kozlenko, E.V. Lukin, B.N. Savenko                 | O. Kaman, Z. Jirák (Institute of Physics, Academy of Sciences of the Czech Republic, 162 53 Prague, Czech Republic)  | Neutron diffraction study of the crystal and magnetic structures of nanostructured Zn <sub>0.34</sub> Fe <sub>2.53</sub> O <sub>4</sub> ferrite                        | Journal of Nanoparticles Research (2020), 22:121  | <a href="https://doi.org/10.1007/s11051-020-04852-4">https://doi.org/10.1007/s11051-020-04852-4</a>               | 2.009         |             | 80 %              | DN-6 facility (IBR-2 pulsed reactor, Dubna, Russia)  |   |
| 27   | S.E. Kichanov, K.M. Nazarov   | A. El Abd, M. Taman (Reactor Physics Department, Nuclear Research Center, Egyptian Atomic Energy Authority, 13759 Abu Zaabal, Egypt)   | Penetration of water into cracked geopolymer mortars by means of neutron radiography   | Construction and Building Materials, 256 (2020) 119471  | <a href="https://doi.org/10.1016/j.conbuildmat.2020.119471">https://doi.org/10.1016/j.conbuildmat.2020.119471</a> | 4.046         |             | 50 %              | NRT facility (IBR-2 pulsed reactor, Dubna, Russia)   |   |
| 28   | N.O. Golosova, D.P. Kozlenko, S.E. Kichanov, E. V. Lukin, B.N. Savenko                  | D.Nicheva, T. Petkova (Institute of Electrochemistry and Energy Systems, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria) G. Avdeev (Institute of Physical Chemistry, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria) P. Petkov (University of Chemical Technology and Metallurgy, 1756 Sofia, Bulgaria)  | High pressure effects on the crystal and magnetic structures of Co <sub>3</sub> O <sub>4</sub>   | Journal of Magnetism and Magnetic Materials 508 (2020) 166874                                   | <a href="https://doi.org/10.1016/j.jmmm.2020.166874">https://doi.org/10.1016/j.jmmm.2020.166874</a>               | 2.683         |             | 80 %              | DN-6 facility (IBR-2 pulsed reactor, Dubna, Russia)  | Грант РФФИ №18-02-00359а  |
| 29   | D.P. Kozlenko, N.O. Golosova, S.E. Kichanov, B. N. Savenko                              | E. Burzo (Faculty of Physics, Babes-Bolyai University 40084 Cluj-Napoca, Romania), P. Vlaic (University of Medicine and Pharmacy “Iuliu Hatieganu”, Physics and Biophysics Department Cluj-Napoca, Romania), A. Ostlin (Theoretical Physics III, Center for Electronic Correlations and Magnetism, Institute of Physics, University of Augsburg, D-86135 Augsburg, Germany), L. Chioncel (Augsburg Center for Innovative Technologies (ACIT), D-86135 Augsburg, Germany) | Structure and magnetic properties of YCo <sub>5</sub> compound at high pressures   | Journal of Materials Science & Technology, 42 (2020) 106-112                                    | <a href="https://doi.org/10.1016/j.jmst.2019.12.001">https://doi.org/10.1016/j.jmst.2019.12.001</a>               | 5.040         |             | 50 %              | DN-6 facility (IBR-2 pulsed reactor, Dubna, Russia)  |   |
| 30   | B.A. Bakirov, S.E. Kichanov, A.V. Belushkin, D.P. Kozlenko                              | R. Kh. Khranchenkova, A.G. Sitdikov (Kazan (Volga Region) Federal University, 420008, Kazan, Republic of Tatarstan, Russia)  | Studies of Coins of Medieval Volga Bulgaria by Neutron Diffraction and Tomography  | Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques, 14, 376–381 (2020) | <a href="https://doi.org/10.1134/S1027451020020433">https://doi.org/10.1134/S1027451020020433</a>                 | 0.3           |             | 80 %              | DN-12 and NRT facility (IBR-2 pulsed reactor, Dubna, Russia)   |   |
| 31   | N.O. Golosova, D.P. Kozlenko, S.E. Kichanov, E. V. Lukin, A.V. Rutkauskas, B.N. Savenko | K.V. Glazyrin (Photon Sciences, Deutsches Elektronen Synchrotron, D-22607 Hamburg, Germany)  | Magnetic and structural properties of Fe-doped layered cobaltite TbBaCo <sub>1.91</sub> Fe <sub>0.09</sub> O <sub>5.5</sub> at high pressures                          | Journal of Magnetism and Magnetic Materials 494 (2020) 165801                                   | <a href="https://doi.org/10.1016/j.jmmm.2019.165801">https://doi.org/10.1016/j.jmmm.2019.165801</a>               | 2.683         |             | 90 %              | DN-6 facility (IBR-2 pulsed reactor, Dubna, Russia), PETRA-III (Photon Sciences, Deutsches Elektronen Synchrotron, D-22607 Hamburg, Germany)   | Грант РФФИ №18-02-00359а  |
| 32   | B. A. Bakirov, S. E. Kichanov, D.P. Kozlenko, A. V. Belushkin                           | R.M. Ion, C.Radulescu, I. Dulama, I. A. Bucurica, A. I. Gheboianu, R. M.Stirbescu, S. Teodorescu, L. Iancu, M. E. David, R. M. Grigorescu  | Non-Destructive and Micro-Invasive Techniques for Characterizing the Ancient Roman Mosaic Fragments  | Applied Sciences, 10, 3781 (2020)   | <a href="https://doi.org/10.3390/app10113781">https://doi.org/10.3390/app10113781</a>                             | 1.484         |             | 30 %              | DN-12 and NRT facility (IBR-2 pulsed reactor, Dubna, Russia), National Institute for Research and Development in Chemistry and Petrochemistry—ICECHIM, Evaluation and Conservation of Cultural Heritage Research Group, (Bucharest, Romania), Valahia University of Targoviste (Targoviste, Romania) | This research was funded by Bilateral Project 04–4–1121–2015/2020, between Valahia University of Targoviste and Joint Institute for Nuclear Research, Dubna, Moscow Region; Protocol 4755–4–2018/2020 “Micro–structural and compositional characterization of supports and coating layers on different substrates applied in biomaterials, photoelectrochemicals catalysis and cultural heritage and by the project 51PCCDI/2018, financed by Romanian National Authority for Scientific Research (UEFISCDI) “New diagnosis and treatment technologies for the preservation and revitalization of archaeological components of the national cultural heritage”. |
| 33   | S.E. Kichanov, M. Kenessarın, M. Balasoıu, D. P. Kozlenko, K. Nazarov, B. Abdurakhimov  | M. Nicu, L. Ionascu, A.C. Dragolici, F. Dragolici (“Horia Hulubei” National Institute of Physics and Nuclear Engineering, P.O. Box MG-6, Bucharest-Magurele, Romania)  | Studies of the Processes of Hardening of Cement Materials for the Storage of Aluminum Radioactive Waste by Neutron Radiography   | Physics of Particles and Nuclei Letters volume 17, 73–78 (2020)                                 | <a href="https://doi.org/10.1134/S1547477120010100">https://doi.org/10.1134/S1547477120010100</a>                 |               |             | 50 %              | NRT facility (IBR-2 pulsed reactor, Dubna, Russia)   |   |
| 34   | S.E. Kichanov, D.P. Kozlenko, E.V.Lukin, B.N. Savenko                                   | L.H. Khiem, N.X. Nghia, N.T.T. Lieu, M.T. Vu, D.T. Khan, N.Q. Tuan, N.T. Dang  | Magnetic phase transition in La <sub>0.8</sub> Sr <sub>0.2</sub> Mn <sub>0.9</sub> Sb <sub>0.1</sub> O <sub>3</sub> manganite under pressure                           | Chemical Physics, 528, 2020, 110541   | <a href="https://doi.org/10.1016/j.chemphys.2019.110541">https://doi.org/10.1016/j.chemphys.2019.110541</a>       | 2.997         |             | 80 %              | DN-6 facility (IBR-2 pulsed reactor, Dubna, Russia)  | This work was supported in part by VietnamAcademy of Science and Technology under the project “Utilization ofneutron diffraction on IBR-2M pulse nuclear reactor for studying the crystal and magnetic structures of the composite materials under vari-able pressure and temperature”numbered VAST.CTVL.01/17-20   |
| 35   | Gizo Bokuchava  |  | Correlation RTOF diffractometry at long-pulse neutron source: I. Data acquisition in list-mode   | Nuclear Instruments and Methods in Physics Research A, 2020, Vol. 964, 163770                   | <a href="https://doi.org/10.1016/j.nima.2020.163770">https://doi.org/10.1016/j.nima.2020.163770</a>               | 1.433         |             | 100%              | FSD diffractometer (IBR-2 pulsed reactor, Dubna, Russia)   |   |



|      |   | НЭО НИКС   |   |  |   |               |             |                   |   |   |
|------|---|--|---|--|---|---------------|-------------|-------------------|---|---|
|      |   | ОЯФ  |   |  |   |               |             |                   |   |   |
|      |   | НЭОКС  |   |  |   |               |             |                   |   |   |
|      |   | СРС  |   |  |   |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ                         | сторонние соавторы с указанием страны и названием 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.)   |
| 36   | Gizo Bokuchava, Christian Scheffzik                     | Elzbieta Gadalińska (Institute of Aviation, Materials & Structures Research Center, Warsaw, Poland); Przemyslaw Kot, Andrzej Baczmanski, Sebastian Wroński, Marcin Wroński, Mirosław Wróbel, Krzysztof Wierzbowski (AGH University of Science and Technology, Faculty of Physics and Applied Computer Science, Kraków, Poland) | Evolution of phase stresses in Al/SiCp composite during thermal cycling and compression test studied using diffraction and self-consistent models | Journal of Materials Science and Technology, 2020, Vol. 36, pp. 176-189        | <a href="https://doi.org/10.1016/j.jmst.2019.03.046">https://doi.org/10.1016/j.jmst.2019.03.046</a>   | 5.040         |             | 50%               | FSD and EPSILON diffractometers (IBR-2 pulsed reactor, Dubna, Russia); Institute of Aviation, Materials & Structures Research Center, Warsaw, Poland; AGH University of Science and Technology, Faculty of Physics and Applied Computer Science, Kraków, Poland   | The authors wish to thank the Frank Laboratory of Neutron Physics (JINR Dubna, Russia) for providing the neutrons. This work was partially supported by grants from the National Science Centre, Poland (NCN) No. UMO-2017/25/B/ST8/00134 and UMO-2015/19/D/ST8/00818. The neutron experiments were supported by the Polish-JINR Programme 2017 (item 24), and the operation of the EPSILON-MDS diffractometer was supported by the Federal Ministry for Education and Research in Germany. |
| 37   | Gizo Bokuchava  | Peter Petrov (Institute of Electronics of Bulgarian Academy of Sciences, Sofia, Bulgaria)  | Study of residual stresses and microstructural changes in Charpy test specimens reconstituted by various welding techniques                       | Metals, 2020, Vol. 10, Issue 5, 632  | <a href="https://doi.org/10.3390/met10050632">https://doi.org/10.3390/met10050632</a>   | 2.259         |             | 72.5%             | FSD diffractometer (IBR-2 pulsed reactor, Dubna, Russia); Institute of Electronics of Bulgarian Academy of Sciences, Sofia, Bulgaria  | The authors acknowledge neutron beamtime from FLNP, JINR (Dubna, Russia) and Bulgarian National Scientific Fund under Grant DN 07/26.   |
| 38   | Gizo Bokuchava, Igor Papushkin                          | Darina Kaisheva, Peter Petrov (Institute of Electronics of Bulgarian Academy of Sciences, Sofia, Bulgaria)   | Neutron diffraction measurement of residual stresses in electron beam welded low carbon steel   | Comptes rendus de l'Académie bulgare des Sciences, Vol. 73, No. 4, pp. 475-484 | <a href="https://doi.org/10.7546/CRABS.2020.04.05">https://doi.org/10.7546/CRABS.2020.04.05</a>   | 0.321         |             | 70%               | FSD diffractometer (IBR-2 pulsed reactor, Dubna, Russia); Institute of Electronics of Bulgarian Academy of Sciences, Sofia, Bulgaria  | The authors would like to thank the Bulgarian National Science Fund, Grant DN 07/26, for providing financial support.   |
| 39   | A.A. Nabyev   |  | Influence of nanoparticle weight fraction on morphology and thermal properties of HDPE/SiO2 composite films                                       | Eurasian Journal of Physics and Functional Materials 2020, 4(1), 38-49         | <a href="https://doi.org/10.29317/ejpfm.2020040105">https://doi.org/10.29317/ejpfm.2020040105</a>   |               |             | 7000%             | AFM (NT-MDT Spectrum Instruments microscope FLNP, JINR), JEOL JSM-6490LV SEM instrument, (GI "Donetsk Institute for Physics and Engineering named after O.O. Galkin", str. R. Luxembourg, 72, Donetsk 83114, Ukraine), NETZSCH 204 F1 Phoenix differential scanning calorimeter (DSC) (FLNP JINR), TGA 209 F1 Libra (Netzsch) Gravimeter FLNP JINR) | This work was partially supported by the Cooperation Program between Romanian scientific institutions and JINR (project of 04-4-1121-2015/2020, order no. 396/49).  |
| 40   | A. Pawlukoje, I. Zuba                                   | M.Rok, M. Moskwa, R. Janicki, G. Bator (Faculty of Chemistry, University of Wrocław, Wrocław, Poland), P. Zielinski, P. Sobieszczyk (The H. Niewodniczanski Institute of Nuclear Physics, Krakow, Poland)  | Phase transition tuning by Fe(III)/Co(III) substitution in switchable cyanobridged perovskites: (C3H5N2)2[KFexCo1-x(CN)6]                         | Dalton Transactions 49, 2020, 5503-5512  | <a href="https://doi.org/10.1039/d0dt00615g">https://doi.org/10.1039/d0dt00615g</a>   | 4.052         |             | 2000%             | Horiba Raman Spectrometer (FLNP)  | This work is partially supported by the Plenipotenciary of the Government of the Republic of Poland at the JINR at Dubna under Project № 75/23/2020 and by the Polish National Science Centre under project № UMO-2016/21/B/ST3/004640201/2078/17   |
| 41   | O.P. Artykulnyi, O.I. Ivankov, V.I. Petrenko            | A.V. Shibaev, M.M. Avdeev, O.E. Philipova (Moscow State University, Russia) L.A. Bulavin (Kyiv National University, Ukraine)   | Structural investigations of poly(ethylene glycol)-dodecylbenzenesulfonic acid complexes in aqueous solutions                                     | Journal of Molecular Liquids, (2020) 113045.                                   | <a href="https://doi.org/10.1016/j.molliq.2020.113045">https://doi.org/10.1016/j.molliq.2020.113045</a>   | 4.561         | Q1          | 65%               | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia) centre of collective usage (Moscow State University)  | This work was supported by the Russian Science Foundation in the framework of a research project 18-73-10162.   |
| 42   | A.V. Nagorni, M.V. Avdeev, O.I. Ivankov                 | Y.Y. Shlapa, S.O. Solopan, A.G. Belous (V.I. Vernadsky Institute of General and Inorganic Chemistry of the Ukrainian NAS, Kyiv, Ukraine); A.V. Shuleniina (Lomonosov Moscow State University, Moscow, Russia); L.A. Bulavin (Taras Shevchenko National University of Kyiv, Ukraine).   | Structural characterization of aqueous magnetic fluids with nanomagnetite of different origin stabilized by sodium oleate                         | Journal of Molecular Liquids. 312, (2020) 113430.                              | <a href="https://doi.org/10.1016/j.molliq.2020.113430">https://doi.org/10.1016/j.molliq.2020.113430</a>   | 4.561         | Q1          | 55%               | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia); DIXI beamline (Kurchatov Centre of Synchrotron Radiation, Moscow, Russia); TEM&XRD (V.I. Vernadskii Institute of General and Inorganic Chemistry of the Ukrainian NAS, Kyiv, Ukraine)  |   |
| 43   | A.V. Nagorni, V.I. Petrenko, O.I. Ivankov, M. V. Avdeev | V. Socoliuc, L. Vekas (Center for Fundamental and Advanced Technical Research, Romanian Academy – Timisoara Branch, Timisoara, Romania); L. Almasy (Neutron Spectroscopy Department, Wigner Research Centre for Physics, Budapest, Hungary), L.A. Bulavin (Taras Shevchenko National University of Kyiv, Ukraine).             | Structural characterization of concentrated aqueous ferrofluids   | Journal of Magnetism and Magnetic Materials. 501, (2020) 166445.               | <a href="https://doi.org/10.1016/j.jmmm.2020.166445">https://doi.org/10.1016/j.jmmm.2020.166445</a>   | 2.683         | Q2          | 45%               | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia); 'Yellow Submarine' SANS facility (Budapest Research Reactor, Budapest Neutron Centre, Hungary)   |   |
| 44   | Vershinina, T. N.                                       | Zhidkov, M. V., Golosova, O. A., Kudryashov, S. I., & Ionin, A. A. (Россия, Белгородский государственный национальный исследовательский университет; Физический институт им. П.Н. Лебедева РАН; Институт структурной макрокинетики РАН)  | Surface texturing of steel by femtosecond laser and accompanying structure/phase transformations  | Optics & Laser Technology, 2020, Vol.131, 106370.                              | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0030399220310033?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0030399220310033?via%3Dihub</a> ; doi:10.1016/j.optlastec.2020.106370 | 3.319         |             | 3000%             | рентгеновский дифрактометр  |   |

|      |   | НЭО НИКС   |   |   |   |               |             |                   |   |   |
|------|---|--|---|---|---|---------------|-------------|-------------------|---|---|
|      |   | ОЯФ  |   |   |   |               |             |                   |   |   |
|      |   | НЭОКС  |   |   |   |               |             |                   |   |   |
|      |   | СРС  |   |   |   |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ   | сторонние соавторы с указанием страны и названием 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.) |
| 45   | Ivankov O., Ermakova E., Murugova T., Kondela T., Kholmurodov K.T., Kuklin A., Kučerka N. | Kondela T., Kučerka N. (Slovakia)  | Interactions in the model membranes mimicking preclinical conformational diseases   | Advances in Biomembranes and Lipid Self-Assembly, Volume 31, Pages 185-210 (2020)   | <a href="https://doi.org/10.1016/bs.abl.2020.02.002">https://doi.org/10.1016/bs.abl.2020.02.002</a>   | 44076         | Q4          | 8000%             | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia); Neutron diffraction data were collected at the Canadian Neutron Beam Centre's (CNBC) N5 beamline located at the National Research Universal (NRU) reactor (Chalk River, Ontario, Canada) | This work has been supported by the Russian Science Foundation under grant 19-72-20186.   |
| 46   | Kholmurodov, K.T.   | Bayoumy, A.M.; Elhaes, H.; Osman, O.; Hussein, T.; Ibrahim, M.A. (National Research Center, Dokki, Cairo, Egypt)   | "Effect of Nano Metal Oxides on Heme Molecule: Molecular and Bimolecular Approaches"  | Biointerface Res. Appl. Chem. 2020, 10, 1, 4837-4845  | <a href="https://biointerfaceresearch.com/?page_id=5919">https://biointerfaceresearch.com/?page_id=5919</a>   | 0.89          |             | 3000%             |   | ASRT-JINR grant   |
| 47   | E.A. Kyzyma, T.V. Tropin  | V.T. Lebedev, Yu.V. Kulvelis (Neutron Research Department, B.P. Konstantinov Petersburg Nuclear Physics Institute, NRC Kurchatov Institute, Gatchina, Russia), A.S. Voronin, A.V. Komolkin (Physical Faculty, Saint Petersburg State University, Saint Petersburg, Russia), V.M. Garamus (Centre for Materials and Coastal Research, Helmholtz-Zentrum Geesthacht, Geesthacht, Germany)  | Mechanisms of supramolecular ordering of water-soluble derivatives of fullerenes in aqueous media                             | Fullerene, Nanotubes and Carbon Nanostructures, Vol. 28, Iss. 1, pp. 30-39, 2020  | <a href="https://doi.org/10.1080/1536383X.2019.1671362">https://doi.org/10.1080/1536383X.2019.1671362</a>   | 1.61          | Q2          | 3000%             | SANS (Membrana-2, PNPI, Gatchina); SAXS (P12 BioSAXS PETRA III, DESY, Hamburg)  | РФФИ №18-29-19008 МК (рук. Лебедев В.Т.)  |
| 48   | Ермакова Е.В., Холмуродов Х.Т., Кучерка Н.  | Куракин С.А., Ермакова Е.В., Душанов Э.Б., Холмуродов Х.Т., Угрикова Д., Кучерка Н.  | ВЛИЯНИЕ ДВУХВАЛЕНТНЫХ ИОНОВ МЕТАЛЛОВ НА СТРУКТУРНУЮ ОРГАНИЗАЦИЮ МОДЕЛЬНЫХ БИОЛОГИЧЕСКИХ МЕМБРАН                               | В книге: Материалы XXI Зимней молодежной школы ПИЯФ по биофизике и молекулярной биологии Тезисы докладов Молодежной конференции. Гатчина, 2020. С. 130-131. | <a href="https://elibrary.ru/item.asp?id=42854927">https://elibrary.ru/item.asp?id=42854927</a><br>eLIBRARY ID: 42854927<br>ISBN: 9785867634407               |               |             | 8000%             | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia); Neutron diffraction data were collected at the Canadian Neutron Beam Centre's (CNBC) N5 beamline located at the National Research Universal (NRU) reactor (Chalk River, Ontario, Canada) | Грант РФФИ №19-72-20186   |
| 49   | E.P. Popov, I.G. Genov, V. A. Turchenko, M. Bulavin, A.I. Beskrovnyi                      | M.N. Mirzayev (Institute of Radiation Problems, Azerbaijan National Academy of Sciences, Baku, AZ1143 Azerbaijan)<br>E. P. Popov (Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, Sofia 1784, Bulgaria)<br>E. P. Popov (Georgi Nadjakov Institute of Solid State Physics, Bulgarian Academy of Sciences, 1784, Sofia, Bulgaria)<br>E. Demir (Istanbul Technical University, Istanbul, 34469 Turkey)<br>P. Horodek (Institute of Nuclear Physics Polish Academy of Sciences, PL-31342 Krakow, Poland) | Effects of high-energetic 3He+ ion irradiation on tungsten-based composites Vacuum (under reviewer)                           |   |   | 2.515         |             | 4000%             |   |   |
| 50   | E P Popov, A N Chernikov, A I Beskrovnyi, J Waliszewski                                   | E P Popov (Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, 72 Tzarigradsko Chaussee, 1784 Sofia, Bulgaria)<br>E P Popov (Institute of Solid State Physics, Bulgarian Academy of Sciences, 72 Tzarigradsko Chaussee, 1784 Sofia, Bulgaria)<br>J Waliszewski (Faculty of Physics, University of Bialystok, 14 Maria Skłodowska-Curie, 15-089 Bialystok, Poland)<br>M.N. Mirzayev (Institute of Radiation Problems, ANAS, 9 B. Vahabzade Str., AZ 1143 Baku, Azerbaijan)                                | Cryostat for cooling samples in the study of low-temperature structural and magnetic phase transitions by neutron diffraction | Journal of Physics: Conference Series 1492 (2020) 012054  | <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1492/1/012054/meta">https://iopscience.iop.org/article/10.1088/1742-6596/1492/1/012054/meta</a> |               |             | 9000%             |   |   |



|      |  | НЭО НИКС   |   |   |   |               |             |                   |   |   |
|------|--|--|---|---|---|---------------|-------------|-------------------|---|---|
|      |  | ОЯФ  |   |   |   |               |             |                   |   |   |
|      |  | НЭОКС  |   |   |   |               |             |                   |   |   |
|      |  | СРС  |   |   |   |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ              | сторонние соавторы с указанием страны и названием 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.)   |
| 51   | E Popov                                      | M.N. Mirzayev (Institute of Radiation Problems, ANAS, 9 B. Vahabzade Str., AZ 1143 Baku, Azerbaijan)<br>E Popov (Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, Sofia, 1784, Bulgaria)<br>E Popov (Georgi Nadjakov Institute of Solid State Physics, Bulgarian Academy of Sciences, Sofia, 1784, Bulgaria)<br>E Demir (Yeditepe University, Physics Department, Istanbul, 34755, Turkey)<br>BA Abdurakhimov (Institute of Nuclear Physics, Academy of Sciences of Uzbekistan, Tashkent, 100214, Uzbekistan)<br>AK Mutali (The Institute of Nuclear Physics, 050032, Almaty, Kazakhstan)<br>VN Tiep (Institute of Physics, Vietnam Academy of Science and Technology, 18 Hoang Quoc Viet, Cau Giay, Hanoi, Viet Nam)<br>S Biira (Department of Physics, Busitema University, P.O. Box 236, Tororo, Uganda)<br>K Olejniczak (Faculty of Chemistry, Nicolaus Copernicus University, ul. Gagarina 7, 87-100 Toruń, Poland)  | Thermophysical behavior of boron nitride and boron trioxide ceramics compounds with high energy electron fluence and swift heavy ion irradiated | Journal of Alloys and Compounds<br>Volume 834, 5 September 2020, 155119   | <a href="https://doi.org/10.1016/j.jallcom.2020.155119">https://doi.org/10.1016/j.jallcom.2020.155119</a>     | 4.175         |             | 500%              |   |   |
| 52   | V.I.Petrenko, M.V.Avdeev                     | Vlad Socoliuc 1, Davide Peddis 2,3, Daniela Susan-Resiga 1,7, Tamas Szabó 8, Rodica Turcu 9, Etelka Tombácz 10, Ladislau Vékás 1<br>1 Romanian Academy–Timisoara Branch, Center for Fundamental and Advanced Technical Research, Laboratory of Magnetic Fluids, Mihai Viteazu Ave. 24, 300223 Timisoara, Romania;<br>2 Dipartimento di Chimica e Chimica Industriale, Università degli Studi di Genova, Via Dodecaneso 31, 16146 Genova, Italy;<br>3 Istituto di Struttura della Materia-CNR, 00015 Monterotondo Scalo (RM), Italy<br>7 Faculty of Physics, West University of Timisoara, V. Parvan Ave. 4, 300223 Timisoara, Romania<br>8 Department of Physical Chemistry and Material Science, University of Szeged, 6720 Szeged, Hungary;<br>9 National Institute for Research and Development of Isotopic and Molecular Technologies (INCDTIM), Donat Str. 67-103, 400293 Cluj-Napoca, Romania;<br>10 Department of Food Engineering, Faculty of Engineering, University of Szeged, Moszkvai krt. 5-7, H-6725 Szeged, Hungary   | Magnetic nanoparticle systems for nanomedicine – a materials science perspective.   | Magnetochemistry 6(1) (2020) 2  | <a href="https://doi.org/10.3390/magnetochemistry6010002">https://doi.org/10.3390/magnetochemistry6010002</a> | 1.947         |             | 20%               | YuMO and GRAINS instruments (IBR-2 pulsed reactor, Dubna, Russia)   | The work of D.S.-R., L.V. and V.S. was mainly supported by the RA-TB/CFATR/LMF multiannual research program 2016–2020 and by a grant of the Romanian Ministry of Research and Innovation, CCCDI-UEFISCDI, project number PN-III-P1-1.2-PCCDI-2017-0871, contract c47PCCDI/2018. D.P., L.V. and V.S. are indebted for the partial support from the bilateral agreement between Romanian Academy and Italian National research Council project Ferro-Tera. R.T. acknowledges the support from the grant of the Romanian Ministry of Research and Innovation, CCCDI-UEFISCDI, project number PN-III-P1-1.2-PCCDI-2017-0769, contract no. 64, within PNCDI III and from the JINR-RO project 04-4-1121-2015/2020. The work of E.T. and T.S. was supported by the Hungarian National Research, Development and Innovation Oce via the Grants FK-124851. |
| 53   | E. Popov, G. I. Georgiev, B. A. Abdurakhimov | M. N. Mirzayev (Joint Institute for Nuclear Research, Dubna, Moscow District 141980, Russia; Institute of Radiation Problems, Azerbaijan National Academy of Sciences, Baku AZ1143, Azerbaijan), S. H. Jabarov (Institute of Radiation Problems, Azerbaijan National Academy of Sciences, Baku AZ1143, Azerbaijan; Azerbaijan State Pedagogical University, Baku AZ-1000, Azerbaijan ), M. Yu. Tashmetov (Institute of Nuclear Physics, Academy of Sciences of Uzbekistan, Tashkent 100214, Uzbekistan ), E. Demir (JINR; Istanbul Technical University, Istanbul 34469, Turkey ), N. V. Tiep (JINR; Institute of Physics, Vietnam Academy of Science and Technology, 18 Hoang Quoc Viet, Cau Giay, Hanoi, Vietnam ), N. A. Ismayilova (Institute of Physics, Azerbaijan National Academy of Sciences, Baku AZ1143, Azerbaijan), Y. I. Aliyev (Azerbaijan State Pedagogical University, Baku AZ-1000, Azerbaijan; Institute of Physics, Azerbaijan National Academy of Sciences, Baku AZ1143, Azerbaijan ), D. M. Mirzayeva (JINR), S. I. Karaaslan (Yeditepe University, Physics Department, Istanbul 34755, Turkey ) | Effect of high intense electron beam irradiation on structural and Raman properties of boron carbide micro powder                               | International Journal of Modern Physics B Vol. 34, No. 04, 2050008 (2020) | <a href="https://doi.org/10.1142/S021797220500083">https://doi.org/10.1142/S021797220500083</a>               | 1,4           |             | 2000%             | Linear electronic accelerator “Electronics U-003” (Institute of Nuclear Physics, Academy of Sciences of Uzbekistan); Horiba TM Lab RAM HR evolution spectrometer (ОИЯИ-ЛЯР) |   |

|      |  | НЭО НИКС  |  |  |   |               |             |                   |   |   |
|------|--|---|--|--|---|---------------|-------------|-------------------|---|---|
|      |  | ОЯФ   |  |  |   |               |             |                   |   |   |
|      |  | НЭОКС   |  |  |   |               |             |                   |   |   |
|      |  | СРС   |  |  |   |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ  | сторонние соавторы с указанием страны и названием 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.)   |
| 54   | Tomchuk O.V., Avdeev M.V., Ivankov O.I., Soloviov D.V., Kuklin A.I., Aksenov V.L.  | Bulavin L.A.(b), Dideikin A.T. (c), Vul' A.Y.(c), Aleksenskii A.E.(c), Kirilenko D.A.(c), Garamus V.M.(f), Kulvelis Y.V.(g)<br>b) Faculty of Physics, Taras Shevchenko National University of Kyiv, Kyiv, 03022, Ukraine<br>c) Ioffe Institute, St. Petersburg, 194021, Russian Federation<br>f) Helmholtz-Zentrum Geesthacht, Centre for Materials and Coastal Research, Geesthacht, 21502, Germany<br>g) National Research Centre "Kurchatov Institute", Moscow, 123182, Russian Federation | Revealing the structure of composite nanodiamond-graphene oxide aqueous dispersions by small-angle scattering  | Diamond and Related Materials 103 (2020) 107670  | <a href="https://doi.org/10.1016/j.diamond.2019.107670">https://doi.org/10.1016/j.diamond.2019.107670</a>                               | 2.290         | Q2          | 80%               | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia), P12 BioSAXS Beamline (EMBL/DESY) at PETRA III ring of the DESY synchrotron (Hamburg, Germany)    | Russian Foundation for Basic Research (project No. 18-29-19159)   |
| 55   | Пахневич А. В., Николаев Д. И., Лычагина Т.А.  |   | Изменение кристаллографической текстуры раковин двустворчатых моллюсков во времени   | Палеонтологический журнал  |   | 43952         |             | 100%              | SKAT (IBR-2, FLNP JINR)   | Программы сотрудничества ОИЯИ-Румыния, ОИЯИ-Чехия   |
| 56   | Tomchuk O.V., Ivankov O.I., Aksenov V.L., Avdeev M.V.  | Bulavin L.A.(b), Pipich V.(d), Ryukhtin V.(e)<br>b) Faculty of Physics, Taras Shevchenko National University of Kyiv, Kyiv, 03022, Ukraine<br>d) Jülich Centre for Neutron Science at Heinz Maier-Leibnitz Zentrum, Garching, Munich 85747, Germany<br>e) Neutron Physics Department, Nuclear Physics Institute, ASCR, v.v.i., Řež, 25068, Czech Republic   | Fractal aggregation in silica sols in basic tetraethoxysilane/ethanol /water solutions by small-angle neutron scattering   | Journal of Molecular Liquids 304 (2020) 112736   | <a href="https://doi.org/10.1016/j.molliq.2020.112736">https://doi.org/10.1016/j.molliq.2020.112736</a>                                 | 4.561         | Q1          | 80%               | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia), KWS-3 facility (FRM_II reactor, Garching, Germany), MAUD facility (LVR-15 reactor, Řež, Czechia) | Russian Science Foundation (project No. 18-72-00099)  |
| 57   | Tomchuk O.V., Ivankov O.I., Aksenov V.L., Avdeev M.V.  | Bulavin L.A.(b), Ryukhtin V.(c), Vul' A.Ya.(f), Aleksenskii A.E.(f)<br>b) Faculty of Physics, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine<br>c) Neutron Physics Department, Nuclear Physics Institute, ASCR, v.v.i., Řež, Czech Republic<br>f) Ioffe Physical-Technical Institute, St. Petersburg, Russian Federation   | SANS analysis of aqueous dispersions of Eu- and Gd-grafted nanodiamond particles   | Fullerenes Nanotubes and Carbon Nanostructures 28(4) (2020) 272-276                              | <a href="https://doi.org/10.1080/1536383X.2019.1697686">https://doi.org/10.1080/1536383X.2019.1697686</a>                               | 1.411         | Q2          | 80%               | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia), MAUD facility (LVR-15 reactor, Řež, Czechia)   | Russian Science Foundation (project No. 18-72-00099)  |
| 58   | Tomchuk A.A., Ivankov O.I., Kyzyma O.A., Tomchuk O.V., Avdeev M.V.   | Shershakova N.N.(b), Andreev S.M.(b), Turetskiy E.A.(b),(c)<br>b) NRC Institute of Immunology FMBA of Russia, Moscow, Russian Federation<br>c) I.M. Sechenov First Moscow State Medical University, Moscow, Russian Federation  | C60 and C60-arginine aqueous solutions: In vitro toxicity and structural study   | Fullerenes Nanotubes and Carbon Nanostructures 28(4) (2020) 245-249                              | <a href="https://doi.org/10.1080/1536383X.2019.1697242">https://doi.org/10.1080/1536383X.2019.1697242</a>                               | 1.411         | Q2          | 60%               | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia), SMAXS-3000 Point SAXS system (MIPT, Dolgoprudniy, Russia)  | -   |
| 59   | Petrenko V.I., Kosiachkin Ye.N., Avdeev, M.V.  | Bulavin L.A. Faculty of Physics, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine  | Optimization of the Initial Interface Configuration for In-Situ Neutron Reflectometry Experiments  | Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques. 14. (2020) 215-219. | <a href="https://link.springer.com/article/10.1134%2F1027451020020329">https://link.springer.com/article/10.1134%2F1027451020020329</a> | 0.25          | Q3          | 75%               |   | This work is supported by the Russian Science Foundation (project no. 17-12-01540).   |
| 60   | Murugova T., Ivankov O., Ermakova E., Kondela T., Hrubovčák P., Skoi V., Kuklin A., Kučerka N.   |   | Structural changes introduced by cholesterol and melatonin to the model membranes mimicking preclinical conformational diseases. General physiology and biophysics | General physiology and biophysics 39. (2020) 135-144.  | <a href="https://doi.org/10.4149/gpb_2019054">https://doi.org/10.4149/gpb_2019054</a>   | 1.479         |             | 100%              | YuMO facility (IBR-2 pulsed reactor, Dubna, Russia)   | Грант РФФ №19-72-20186  |
| 61   | Litvinenko E.I., Bogdzal A.A., Bodnarchuk V.I., Churakov A.V., Gapon I.V., Drozdov V.A., Kulikov S.A., Murashkevich S.M., Nagomyi A.V. |   | A Comparative Analysis of the Characteristics of Data Acquisition Systems From Position-Sensitive Neutron Detectors  | Instruments and Experimental Techniques 63, 339-347 (2020)                                       | <a href="https://doi.org/10.1134/S0020441220040077">https://doi.org/10.1134/S0020441220040077</a>                                       | 0.504         |             | 100%              | GRAINS and REFLEX facility (IBR-2 pulsed reactor, Dubna, Russia)  |   |
| 62   | M.Avdeev, M.Yerdauletov, O.Ivankov   | F.Napolskiy, S.Bocharova, S.Ryzhenkova, B.Kaparova, K.Mironovich, D.Burlyayev, V.Krivchenko   | On the Use of Carbon Nanotubes in Prototyping the High Energy Density Li-ion Batteries   | Energy Technology 8, 2000146 (2020)  | <a href="https://doi.org/10.1002/ente.202000146">https://doi.org/10.1002/ente.202000146</a>   | 3.175         | Q1          | 50%               | YuMO IBR-2  |   |
| 63   | Ivan Bobrikov,   | Nikolay Kalanda, Marta Yarmolich, Alexander Petrov, Igor Raevski, Stanislav Kubrin, Svetlana Raevskaya, Andrei Lazavenka, Dong-Hyun Kim   | The influence of cation ordering and oxygen nonstoichiometry on magnetic properties of Sr 2 FeMoO 6-x around Curie temperature                                     | Journal of Magnetism and Magnetic Materials 500 (2020) 166386                                    | <a href="https://doi.org/10.1016/j.jmmm.2019.166386">https://doi.org/10.1016/j.jmmm.2019.166386</a>                                     | 2.683         | (Q1)        | 20%               | HRFD  | The authors acknowledge the support of the work in frames of the European project H2020-MSCA-RISE-2017-778308 – SPINMULTIFILM. The reported research was supported by the Russian Fundamental Research Foundation (project No. 19-32-50048 mol_n) |



|      |   | НЭО НИКС  |  |   |   |                             |             |                   |  |  |
|------|---|---|--|---|---|-----------------------------|-------------|-------------------|--|--|
|      |   | ОЯФ   |  |   |   |                             |             |                   |  |  |
|      |   | НЭОКС   |  |   |   |                             |             |                   |  |  |
|      |   | СРС   |  |   |   |                             |             |                   |  |  |
| № ПП | авторский коллектив от ЛНФ ОИЯИ   | сторонние соавторы с указанием страны и названием 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.)  |
| 64   | Ivan A. Bobrikov  | Alexey S. Shkvarin, Yury M. Yarmoshenko, Alexander I. Merentsov, Elena G. Shkvarina, Andrei F. Gubkin, Igor Piš, Silvia Nappini, Federica Bondino, and Alexander N. Titov   | Electronic Structures of the Vanadium-Intercalated and Substitutionally Doped Transition-Metal Dichalcogenides TixVySe2                        | Inorg. Chem. 2020, 59, 12, 8543–8551 (2020)   | <a href="https://pubs.acs.org/doi/abs/10.1021/acs.inorgchem.0c00953">https://pubs.acs.org/doi/abs/10.1021/acs.inorgchem.0c00953</a> | 4.825                       | (Q1)        | 15%               | HRFD   | This research was carried out within the state assignment of the Ministry of Education and Science of Russia (theme "Electron" No. АААА-А18-118020190098-5, theme "Flux" No. АААА-А18-118020190112-8, and theme "Spin" No. ААААА18-118020290104-2). The reported study was funded by RFBR, project number 19-33-60031. We acknowledge Elettra Sincrotrone Trieste for providing access to its synchrotron radiation facilities. SN and IP gratefully acknowledge financial support from EUROFEL funds. |
| 65   | I.A. Bobrikov, A.M. Balagurov   | Liyang Sun, W.C. Cheng, J. Cifre, I.B. Chudakov, S.U. Jen, V.V. Cheverikin, M.Y. Zadorozhnyy, I.S. Golovin,   | Effect of thermal cycling on microstructure and damping capacity of Fe-26Mn-4Si alloy  | Mat. Character. 159, 110001 (2020)  | <a href="https://doi.org/10.1016/j.matchar.2019.110001">https://doi.org/10.1016/j.matchar.2019.110001</a>                           | 3.22                        | (Q1)        | 30%               | HRFD   | The work was carried out with support from RFBR grant 18-58-52007 and by the Ministry, of Science and Technology, Taiwan (Grant no. MOST-107-2923-E-011-003-MY3).  |
| 66   | Soloviov D. Zhernenkov K.   | Cai, Y.Q. Bolmatov, D. Suvorov, A. Zav'yalov, D. Bosak, A. Uchiyama, H. Zhernenkov, M.  | Functional lipid pairs as building blocks of phase-separated membranes   | PNAS, 2020. 117(9): p. 4749-4757.   | <a href="https://www.pnas.org/content/117/9/4749">https://www.pnas.org/content/117/9/4749</a>                                       | 9.58 (Q1)                   | (Q1)        | 50%               | ESRF (France), Spring-8 (Japan)  | Russian Science Foundation 18-72-00201<br>Laboratory Directed Research and Development<br>U.S. Department of Energy<br>Office of Science<br>Oak Ridge National Laboratory  |
| 67   | Soloviov D.   | Bolmatov, D. Zhernenkov, M. Zav'Yalov, D. Mamontov, E. Suvorov, A. Cai, Y.Q. Katsaras, J.   | Molecular Picture of the Transient Nature of Lipid Rafts   | Langmuir, 2020, 36, 18, 4887–4896   | <a href="https://pubs.acs.org/doi/abs/10.1021/acs.langmuir.0c00125">https://pubs.acs.org/doi/abs/10.1021/acs.langmuir.0c00125</a>   | 3.683                       | (Q1)        | 20%               | NSLS-II (USA)  | Russian Science Foundation 18-72-00201<br>U.S. Department of Energy<br>Basic Energy Sciences<br>National Institutes of Health<br>Oak Ridge National Laboratory<br>Office of Science<br>Brookhaven National Laboratory<br>National Institute of General Medical Sciences  |
| 68   | M.Jazdzewska, A. Beskrovnyi, J.Waliszewski  | K.Rotnicki, A.Sterczynska, Z. Fojud, M.Sliwiska-Bartkowiak  | Phase transition, molecular dynamics and structural properties of 1-Ethyl-3-methylimidazolium bis (trifluoromethylsulfonyl) imide ionic liquid | Journal of Molecular Liquids 313 (2020) 113535  |   | 4.766                       |             | 30%               | RTD IBR-2  |  |
| 69   | L.Ludzik, M.Jazdzewska, D. Chudoba, A. Nazarova   | K.Egizbek, A.L.Kozlovskiy, M.V. Zdorovets, I.V. Korolkov, B.Marciniak, R.Kantek   | Stability and cytotoxicity study of NiFe2O4 nanocomposites synthesized by co-precipitation and subsequent thermal annealing                    | Ceramics International 46, 10 (2020) 16548  | <a href="https://doi.org/10.1016/j.ceramint.2020.03.222">https://doi.org/10.1016/j.ceramint.2020.03.222</a>                         | 3.83                        |             |                   |  |  |
| 70   | L.Ludzik, M.Jazdzewska, D. Chudoba, A. Nazarova   | K.Egizbek, A.L.Kozlovskiy, M.V. Zdorovets, M.A. Ibraglmova, B.Marciniak, R.Kantek   | Application of Fe2O3/CeO2 nanocomposites for the purification of aqueous media   | Applied Physics A 126 (2020) 477  | <a href="https://doi.org/10.1007/s00339-020-03665-5">https://doi.org/10.1007/s00339-020-03665-5</a>                                 | 1.81                        |             |                   |  |  |
| 71   | Soloviov D.   | Bulavin, L.A. Mikhailov A. Kuzmichev P. Chupin V.V. Borshchevskiy V. Chizhov I.   | Effect of Cholesterol Concentration on Bacteriorhodopsin Photocycle.   | Ukrainian Journal of Physics  | accepted  | 0.59                        | (Q3)        | 90%               | Moscow Institute of Physics and Technology   |  |
| 72   | Бериков Д., Копач Ю.Н., Ахмедов Г.С., Новицкий В. В. Данилян Г.В.   | V. Hutanu, H. Deng - Institute of Crystallography, RWTH Aachen University and JuÜlich Centre for Neutron Science at Heinz Maier-Leibnitz Zentrum (MLZ, Germany), A. Gagarski - Petersburg Nuclear Physics Institute of National Research Centre "Kurchatov Institute"(Russia, Gatchina), S. Masalovich, J. Klenke - Heinz Maier-Leibnitz Zentrum (MLZ), Technical University of Munich, Germany   | An instrument for measuring T-odd asymmetries in the fission of heavy nuclei   | Journal of Instrumentation 15 (01):P01014-P01014  | <a href="https://doi.org/10.1088/1748-0221/15/01/P01014">DOI: 10.1088/1748-0221/15/01/P01014</a>                                    | 1.366                       |             | 50%               | Установка POLI, на исследовательском нейтронном источнике Хайнц Майер-Лейбниц (реактор FRM II) Мюнхенского технического университета в Гархинге (Германия) |  |
| 73   | ГРОЗДАНОВ Д. Н., ФЕДОРОВ Н. А., КОПАЧ Ю. Н., БЫСТРИЦКИЙ В. М., ТРЕТЬЯКОВА Т. Ю., СКОЙ В. Р., ДАБЬЛОВА С., АЛИЕВ Ф. А., ХРАМКО К., ГУНДОРИН Н. А., | РУСКОВ И. Н. - Институт ядерных исследований и ядерной энергетики Болгарской академии наук, София, Болгария; ДАШКОВ И. Д. - Физический факультет Московского государственного университета им. М. В. Ломоносова, Москва; БОГОЛЮБОВ Е. П., ЮРКОВ Д. И., ЗВЕРЕВ В. И. - Всероссийский научно-исследовательский институт автоматики им. Н. Л. Духова, Москва, Россия ГАНДИ А., КУМАР А. - Бенаресский индуистский университет, Варанаси, Индия | ИЗМЕРЕНИЕ ВЫХОДОВ И УГЛОВЫХ РАСПРЕДЕЛЕНИЙ ГАММА-КВАНТОВ, ОБРАЗУЮЩИХСЯ ПРИ ВЗАИМОДЕЙСТВИИ НЕЙТРОНОВ С ЭНЕРГИЕЙ 14.1 МЭВ С ЯДРАМИ ХРОМА          | Ядерная Физика, ISSN:0044-0027, eISSN:1562-692X / 1063-7788(eng), Изд:МАИК Наука/Интерпериодика, Pleiades Publishing Inc. | <a href="https://www.elibrary.ru/item.asp?id=42687676">https://www.elibrary.ru/item.asp?id=42687676</a>                             | Импакт-фактор (РИНЦ): 0,454 |             | 90%               | Объединенный институт ядерных исследований, Лаборатория Нейтронной Физики, установки проекта "TANGRA"  |  |

|      |   | НЭО НИКС  |   |   |   |                             |             |                   |  |   |  |
|------|---|---|---|---|---|-----------------------------|-------------|-------------------|--|---|--|
|      |   | ОЯФ   |   |   |   |                             |             |                   |  |   |  |
|      |   | НЭОКС   |   |   |   |                             |             |                   |  |   |  |
|      |   | СРС   |   |   |   |                             |             |                   |  |   |  |
| № ПП | авторский коллектив от ЛНФ ОИЯИ   | сторонние соавторы с указанием страны и названием 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.) |  |
| 74   | ФЕДОРОВ Н. А., ГРОЗДАНОВ Д. Н., КОПАЧ Ю. Н., БЫСТРИЦКИЙ В. М., ТРЕТЬЯКОВА Т. Ю., СКОЙ В. Р., ДАБЫЛОВА С., АЛИЕВ Ф. А., ХРАМКО К., ГУНДОРИН Н. А.  | РУСКОВ И. Н. - Институт ядерных исследований и ядерной энергетики Болгарской академии наук, София, Болгария; ДАШКОВ И. Д. - Физический факультет Московского государственного университета им. М. В. Ломоносова, Москва; БОГОЛЮБОВ Е. П., ЮРКОВ Д. И., ЗВЕРЕВ В. И. - Всероссийский научно-исследовательский институт автоматики им. Н. Л. Духова, Москва, Россия ГАНДИ А., КУМАР А. - Бенаресский индуистский университет, Варанаси, Индия | ИЗМЕРЕНИЕ ВЫХОДОВ И УГЛОВЫХ РАСПРЕДЕЛЕНИЙ ГАММА-КВАНТОВ, ОБРАЗУЮЩИХСЯ ПРИ ВЗАИМОДЕЙСТВИИ НЕЙТРОНОВ С ЭНЕРГИЕЙ 14.1 МЭВ С ЯДРАМИ МАГНИЯ    | ИЗВЕСТИЯ РОССИЙСКОЙ АКАДЕМИИ НАУК. СЕРИЯ ФИЗИЧЕСКАЯ Издательство: Российская академия наук (Москва) ISSN: 0367-6765 | <a href="https://www.elibrary.ru/item.asp?id=42687676">https://www.elibrary.ru/item.asp?id=42687676</a>     | Импакт-фактор (РИНЦ): 0,470 |             | 90%               | Объединенный институт ядерных исследований, Лаборатория Нейтронной Физики, установки проекта "TANGRA"  |   |  |
| 75   | Нуруев С., Ахмедов Г., Бериков Д., Копач Ю.   | R.A. Akbarov, Z.Y. Sadygov, S.I. Tyutyunnikov - ОИЯИ, ЛФВЭ, F.I. Ahmadov-Azerbaijan National Academy of Sciences — CSSR and IRP, Baku, Azerbaijan, M. Holik - Institute of Experimental and Applied Physics, CTU, Prague, Czech Republic, R. Mammadov - National Nuclear Research Centre of MCHT, Baku, Azerbaijan  | Scintillation readout with MAPD array for gamma spectrometer  | Journal of Instrumentation 15 (01):C01001-C01001  | DOI: 10.1088/1748-0221/15/01/C01001   | 1,366                       |             | 50                | Institute of Experimental and Applied Physics, CTU in Prague and FLNP JINR   |   |  |
| 76   |   |   |   |   |   |                             |             |                   |  |   |  |
| 77   | Бериков Д., Ахмедов Г., Копач Ю.  | Жумадилов К. - Евразийский Национальный Университет им. Л.Н. Гумилева   | A ROOT-based program for analysing data on T-odd asymmetry in the neutron-induced fission of heavy nuclei                                 | Eurasian Journal of Physics and Functional Materials 4(2): P. 114-121   | DOI: 10.29317/2020040201  |                             |             | 100               | ОИЯИ, ЛНФ  |   |  |
| 78   | Нуруев С., Ахмедов Г., Копач Ю.   | R.A. Akbarov- ОИЯИ, ЛФВЭ, F.I. Ahmadov-- Azerbaijan National Academy of Sciences — CSSR and IRP, Baku, Azerbaijan, M. Holik - Institute of Experimental and Applied Physics, CTU, Prague, Czech Republic, R. Mammadov, A.Z. Sadigov - National Nuclear Research Centre of MCHT, Baku, Azerbaijan  | Performance of silicon photomultipliers at low temperature  | Journal of Instrumentation 15 C03003  | <a href="https://doi.org/10.1088/1748-0221/15/03/C03003">https://doi.org/10.1088/1748-0221/15/03/C03003</a> | 31.12                       |             | 50                | ОИЯИ, ЛФВЭ   |   |  |
| 79   | Нуруев С., Ахмедов  | R.A. Akbarov, Z.Y. Sadygov- ОИЯИ, ЛФВЭ, F.I. Ahmadov, S. Suleymanov, F. Abdullayev -Azerbaijan National Academy of Sciences — CSSR and IRP, Baku, Azerbaijan, A.Z. Sadigov - National Nuclear Research Centre of MCHT, Baku, Azerbaijan, R. Mukhtarov-National Aviation Academy, Baku, Azerbaijan   | A new physical model of Geiger-mode avalanche photodiodes   | Journal of Instrumentation 15 C01009  | <a href="https://doi.org/10.1088/1748-0221/15/01/C01009">https://doi.org/10.1088/1748-0221/15/01/C01009</a> | 1,366                       |             | 20                | ОИЯИ, ЛНФ-ЛФВЭ- Институт радиационных проблем НАН Азербайджана   |   |  |
| 80   | A.S. Doroshkevich, A.V. Shylo, G.K. Volkova, A.K. Kirillov, T. Yu. Zelenyak, V.V. Burkhovetskiy, V.A. Turchenko, V.S. Doroshkevich, A.A. Nabyev, T.A. Vasylenko, A. Kh. Islamov, M.L. Craus | A.V.Shylo, V.A. Glazunova, G.K. Volkova. V.V. Burkhovetskiy (Donetsk Institute for Physics and Engineering named after O.O. Galkin NAS of Ukraine, 03028, Nauki ave, 46, Kyiv, Ukraine), A.K. Kirillov T. A. Vasylenko (Institute for Physics of Mining Processes NAS of kraine,83114, Ukraine), V.S. Doroshkevich (Donetsk National University, Department of Biochemistry, str. Schorsa, 17a, Donetsk 83000, Ukraine)                     | Self-organization processes in nanopowder dispersed system based on Zirconia under pressure action  | Results in Physics. 16 (2020) 102809  | <a href="https://doi.org/10.1016/j.rinp.2019.102809">doi.org/10.1016/j.rinp.2019.102809</a>                 | 4/019                       | Q2          | 70                | ОИЯИ ЛНФ   | H2020-MSCA-RISE-2015 Program H2020/MSCA/RISE/HUNTER/691010 project, RFBR project № 17-52-45062 ind. a; RO-JINR grant № 129/28.02.2019; Program of Poland - JINR cooperation.              |  |
| 81   | Artem Shylo, Aleksandr Doroshkevich, Andriy Lyubchuk, Yuri Bacherikov, Maria Balasoiu, Tetyana Konstantinova.   | Artem Shylo, Tetyana Konstantinova (Donetsk Institute for Physic and Engineering named after O.O. Galkin of the NAS of Ukraine, Kiev, Ukraine), Andriy Lyubchuk (i3N/CENIMAT, Department of Materials Science and Technology, New University of Lisbon and EMOP/UNINOVA, Caparica, Portugal), Yuri Bacherikov (Institute of Semiconductor Physics, National Academy of Sciences of Ukraine, Kiev, Ukraine)                                  | Electrophysical properties of hydrated porous dispersed system based on zirconia nanopowders  | Applied Nanoscience (Опубликовано онлайн 04.04.2020)  | <a href="https://doi.org/10.1007/s13204-020-01471-2">https://doi.org/10.1007/s13204-020-01471-2</a>         | 3.5                         | Q2          | 30                | ОИЯИ ЛНФ.  | H2020-MSCA-RISE-2015 Program project no. 691010 HUNTER, H2020-MSCA-RISE-2019 Program project no. 871284 SSHARE, and RO-JINR Projects №. 323 and 322/15.05.2018 items 70 and 71.           |  |
| 82   | Sh. Zeynalov, P. Sedyshev, O.Sidorova, V.Shvetsov   |   | Nuclear fission investigation with twin ionization chamber  | To be published in International Journal of Modern Physics  |   | 1.153                       |             | 100               | Использовался источник ИБР2 и двойная ионизационная камера с сетками Фриша, разработанная в ЛНФ  |   |  |
| 83   | Sh.Zeynalov, O. Sidorova  |   | Low counting rate measurement on thermal neutron induced fission Using cross-correlation technique  | To be published in International Journal of Modern Physics  |   | 1.153                       |             | 100               | Использовался источник ИБР2 и оборудование, разработанное в ЛНФ  |   |  |
| 84   | Simbirtseva N., Furman W.   | Krtička M., Knapová I., S. Valenta (Faculty of Mathematics and Physics, Charles University, 180 00 Prague, Czech Republic). Casten R. (Wright Lab, Yale University, New Haven, Connecticut 06520, USA, Michigan State University-Facility for Rare Isotope Beams (MSU-FRIB), East Lansing, Michigan 48823, USA). Couture A., J. M. O'Donnell, G. Rusev, J. L. Ullmann ( Los Alamos National Laboratory, Los Alamos, New Mexico 87545, USA). | Examination of photon strength functions and nuclear level density in 196Pt from the $\gamma$ -ray spectra measured at the DANCE facility | Phys. Rev. C 101, 024302  | <a href="https://doi.org/10.1103/PhysRevC.101.024302">https://doi.org/10.1103/PhysRevC.101.024302</a>       | 3.132                       |             | 30                | Examination of photon strength functions and nuclear level density in 196Pt from the $\gamma$ -ray spectra measured at the DANCE facility, at neutron flight path 14 in the Los Alamos Neutron Science Center (LANSCE), USA. | JINR-Czech Student Program.   |  |



|      |  | НЭО НИКС  |   |   |   |               |             |                   |   |   |
|------|--|---|---|---|---|---------------|-------------|-------------------|---|---|
|      |  | ОЯФ   |   |   |   |               |             |                   |   |   |
|      |  | НЭОКС   |   |   |   |               |             |                   |   |   |
|      |  | СРС   |   |   |   |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ  | сторонние соавторы с указанием страны и названием 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.) |
| 85   | Furman W.I.  | P Tichý (Joint Institute for Nuclear Research, Joliot-Curie 6, Dubna 141980, Russia, Nuclear Physics Institute of the CAS, Hlavní 130, Řež near Prague 25068, Czech Republic, Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague, Břehová 7, Prague 11519, Czech Republic). Adam J., Svoboda J., Zeman M. (Joint Institute for Nuclear Research, Joliot-Curie 6, Dubna 141980, Russia, Faculty of Electrical Engineering and Communication, Brno University of Technology, Technická 3058/10, Brno 61600, Czech Republic ). Furman W.I., Gustov S.A., Mar'in I.I., Solnyshkin A. A., Tyutyunnikov S.I. (Joint Institute for Nuclear Research, Joliot-Curie 6, Dubna 141980, Russia). Chudoba P., Vrzalova J. ( Joint Institute for Nuclear Research, Joliot-Curie 6, Dubna 141980, Russia, Nuclear Physics Institute of the CAS, Hlavní 130, Řež near Prague 25068, Czech Republic). Baldin A.A. (Joint Institute for Nuclear Research, Joliot-Curie 6, Dubna 141980, Russia, Institute for Advanced Studies "OMEGA", Universitetskaya 19, Dubna 141980, Russia). Krása A. (Belgian Nuclear Research Centre SCK-CEN, Boeretang 200, Mol 2400, Belgium). Majerle M. ( Nuclear Physics Institute of the CAS, Hlavní 130, Řež near Prague 25068, Czech Republic). Suchopár M. (ÚJV Řež, Hlavní 130, Řež near Prague 25068, Czech Republic). Svoboda O. ( Nuclear Physics Institute of the CAS, Hlavní 130, Řež near Prague 25068, Czech Republic). Khushvaktov J.H. ( Joint Institute for Nuclear Research, Joliot-Curie 6, Dubna 141980, Russia, Institute of Nuclear Physics ASRU, Tashkent 100214, Uzbekistan). Wagner V. (Nuclear Physics Institute of the CAS, Hlavní 130, Řež near Prague 25068, Czech Republic, Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague, Břehová 7, Prague 11519, Czech Republic). Zavorka L. (Los Alamos National Laboratory, P.O. Box 1663, Los Alamos NM 87545, United States). | Monitoring mixed neutron-proton field near the primary proton and deuteron beams in spallation targets  | Indian Journal of Pure & Applied Physics Vol. 58, April 2020, pp. 282-293 | <a href="http://nopr.niscair.res.in/bitstream/123456789/54496/1/IJPA%2058%284%29%20282-293.pdf">http://nopr.niscair.res.in/bitstream/123456789/54496/1/IJPA%2058%284%29%20282-293.pdf</a> | 0.822         |             | 10                | Измерения были проведены на Нуклотроне и Фазотроне ОИЯИ с использованием мишенной сборки КВИНТА, изготовленной в ЛНФ. |   |
| 86   | Седышев П. В., Симбирцева Н. В., Ергашов А. М., Мажен С. Т., Мареев Ю. Д., Швецов В. Н., Абрамзон М. Г., Сапрыкина И. А. | М.Г Абрамзон (Магнитогорский государственный технический университет им. Г.И. Носова, Магнитогорск, Россия; Институт археологии РАН, Москва) И.А. Сапрыкина (Институт археологии РАН, Москва)   | Определение элементного состава античных монет Фанагорийского клада методом нейтронной спектроскопии на импульсном источнике нейтронов ИРЕН ЛНФ ОИЯИ    | Письма в ЭЧАЯ. 2020. Т. 17, № 3(228). С. 328–344                          | <a href="https://rduu.be/b47Cb">https://rduu.be/b47Cb</a>   | 0.234         |             | 90                | Установка ИРЕН, ОЯФ, ЛНФ  |   |
| 87   | T.V. Phuc, M. Kulik, P.L. Tuan   | D. Kolodynska, Chemical Department, Maria Curie-Skłodowska University, pl. M. Curie-Skłodowskiej 2, 20-031, Lublin, Poland, L.H. Khiem, Graduate University of Science and Technology, Vietnam Academy of Science and Technology, 18 Hoang Quoc Viet, Cau Giay, Ha Noi, Viet Nam, J. Żuk, Institute of Physics, Maria Curie-Skłodowska University, pl. M. Curie-Skłodowskiej 1, 20-031 Lublin, Poland, M. Turek, Institute of Physics, Maria Curie-Skłodowska University, pl. M. Curie-Skłodowskiej 1, 20-031 Lublin, Poland  | Investigations of elemental depth distribution and chemical compositions in the TiO <sub>2</sub> /SiO <sub>2</sub> /Si structures after ion irradiation | Surface & Coatings Technology PII: S0257-8972(20)30163-8                  | <a href="https://doi.org/10.1016/j.surfcoat.2020.125494">https://doi.org/10.1016/j.surfcoat.2020.125494</a>   | 3.192         | Q1          | 90                | ОИЯИ ЛНФ  |   |

|      |  | НЭО НИКС   |   |  |   |               |             |                   |   |   |
|------|--|--|---|--|---|---------------|-------------|-------------------|---|---|
|      |  | ОЯФ  |   |  |   |               |             |                   |   |   |
|      |  | НЭОКС  |   |  |   |               |             |                   |   |   |
|      |  | СРС  |   |  |   |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ  | сторонние соавторы с указанием страны и названием 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.) |
| 88   | P.L.Tuan, M.Kulik, J. Nowicka-Scheibe, T.V.Phuc  | J.Żuk, Institute of Physics, Maria Curie-Skłodowska University, pl. M. Curie-Skłodowskiej 1, 20-031 Lublin, Poland, P.Horodek, Institute of Nuclear Physics, Polish Academy of Science, Krakow 31-342, Poland, L.H.Khiem, Graduate University of Science and Technology, Vietnam Academy of Science and Technology, 18 Hoang Quoc Viet, Cau Giay, Ha Noi, Viet Nam, Nguyen NgocAnh, Institute of Research and Development, Duy Tan University, Danang 550000, Viet Nam, M.Turek, Institute of Physics, Maria Curie-Skłodowska University, pl. M. Curie-Skłodowskiej 1, 20-031 Lublin, Poland | Investigations of chemical and atomic composition of native oxide layers covering SiGaAs implanted with Xe ions   | Surface & Coatings Technology<br>PII: S0257-8972(20)30540-5  | <a href="https://doi.org/10.1016/j.surfcoat.2020.125871">https://doi.org/10.1016/j.surfcoat.2020.125871</a>   | 3.192         | Q1          | 90                | ОИЯИ ЛНФ  |   |
| 89   | G. Hristozova, V. Svozilik, P. Nekhoroshkov, M.V. Frontasyeva                                | G. Hristozova, Faculty of Physics and Technology, Plovdiv University 'Paisii Hilendarski', 24 Tsar Asen Str., 4000 Plovdiv, Bulgaria; S. Marinova, Faculty of Plant Protection and Agroecology, Agricultural University, 12 Mendeleev Blvd., 4000 Plovdiv, Bulgaria; V. Svozilik VSB-Technical University of Ostrava, 17 Listopadu 2172/15, 708 00 Ostrava-Poruba, Czech Republic and Laboratory of Information Technologies, Joint Institute for Nuclear Research, Joliot-Curie 6, Dubna, Moscow Region, Russia 141980  | Biomonitoring of elemental atmospheric deposition: spatial distributions in the 2015/2016 moss survey in Bulgaria.  | Journal of Radioanalytical and Nuclear Chemistry, 323, pp. 839–849. DOI: 10.1007/s10967-019-06978-9  | <a href="https://link.springer.com/article/10.1007/s10967-019-06978-9">https://link.springer.com/article/10.1007/s10967-019-06978-9</a>                     | 1.186         |             | 80                | ИБР-2 (РЕГАТА)                                      | грант ПП Болгарии: приказ 31 от 23.01.2015 г., п. 15.   |
| 90   | М.В. Фронгасьева   | С.В. Горелова и С.А. Козлов - Тульский Университет; А.В. Горбунов, С.М. Ляпунов, О.И. Окينا - Геологический институт РАН, Москва   | Оценка воздействия крупной промышленной агломерации на загрязнение воздушной среды и почвы тяжелыми и токсичными металлами (На примере г. Тулы).                  | Экология урбанизированных территорий   |   |               |             | 20                | ИБР-2 (РЕГАТА)                                      | Работа выполнена в рамках гранта РФФИ 19-29-05257   |
| 91   | Алексеенок Ю.В.,   | Королева Ю.В., Ананян А. С., Черникова Е. А. БФУ им Канта (РФ)   | Наземные виды мхов в мониторинге атмосферных осадков тяжелых металлов в Калининградской области.  | Труды седьмой международной научно-практической конференции «Индикация состояния окружающей среды: теория, практика, образование», 25 апреля 2020, сборник статей - М.:Филинь - с. 218-225, ISBN 978-5-9216-0234-2 | <a href="https://drive.google.com/file/d/1qHS4gGixaUJZIAG7YqbTt6u5YUfJQRbT/view">https://drive.google.com/file/d/1qHS4gGixaUJZIAG7YqbTt6u5YUfJQRbT/view</a> |               |             | 30                |   |   |
| 92   | M. Frontasyeva, I. Zinicovscaia  | J. Chmielowska-Bąk, R. Holubek, S. Işidoğru. Tough Sprouting (Польша, университет Адама Мицкевича в Познани)   | Tough Sprouting – Impact of Cadmium on Physiological State and Germination Rate of Soybean Seeds.   | Acta Societatis Botanicorum Poloniae, DOI: 10.5586/asbp.8923   | <a href="http://pbsociety.org.pl/journals/index.php/asbp/article/view/asbp.8923">http://pbsociety.org.pl/journals/index.php/asbp/article/view/asbp.8923</a> | 1.213         |             | 30                | ЛНФ, ААС в СШАПИ                                    | грант ПП Польши 2017-2019 гг.   |
| 93   | D. Abdusamadzoda, O.G. Duliu, I. Zinicovscaia, N.S. Yushin, M.V. Frontasyeva.                | D. Abdusamadzoda, D.A. Abdushukurov, Institute of Water Problem, Hydropower and Ecology of Academy of Science, 14a Ainy Str., 734042 Dushanbe, Tajikistan, O. Duliu, Department of Structure of Matter, Earth and Atmospheric Physics and Astrophysics, Faculty of Physics, University of Bucharest, 405, Atomistilor Str., 077125 Magurele, Ilfov, Romania. I. Zinicovscaia, Horia Hulubei R & D Institute for Physics and Nuclear Engineering, 30, Reactorului Str., 077125 Magurele, Ilfov, Romania   | Investigations of the atmospheric deposition of major and trace elements in Western Tajikistan by using the <i>Hylocomium splendens</i> moss as bioindicators.    | Archives of Environmental Contamination and Toxicology, 2020, Toxicology, 78(1), 60–67 <a href="https://doi.org/10.1007/s00244-019-00687-w">https://doi.org/10.1007/s00244-019-00687-w</a>                         | <a href="https://doi.org/10.1007/s00244-019-00687-w">https://doi.org/10.1007/s00244-019-00687-w</a>   | 2.135         |             | 80                | ИБР-2 (РЕГАТА)                                      |   |
| 94   | K. Vergel, I. Zinicovscaia, N. Yushin, S. Gundorina.   |  | Assessment of atmospheric deposition in Central Russia: Vladimir and Yaroslavl regions, using moss biomonitors, neutron activation analysis and GIS technologies. | Journal of Radioanalytical and Nuclear Chemistry, 2020, <a href="https://doi.org/10.1007/s10967-020-07234-1">https://doi.org/10.1007/s10967-020-07234-1</a>  | <a href="https://doi.org/10.1007/s10967-020-07234-1">https://doi.org/10.1007/s10967-020-07234-1</a>   | 1.186         |             | 100               | ИБР-2 (РЕГАТА)                                      |   |
| 95   | I. I. Zinicovscaia, D. Grozdov, N. Yushin, D. Abdusamadzoda, S.F. Gundorina, O. Kristavchuk. | E. Rodlovskaya, N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences,   | Metal removal from chromium containing effluents by <i>Saccharomyces cerevisiae</i> .   | Desalination and Water Treatment, 2020, 178:254-270, doi: 178:254-270  | <a href="https://www.deswater.com/DWT_abstracts/vol178/178_2020_254.pdf">https://www.deswater.com/DWT_abstracts/vol178/178_2020_254.pdf</a>                 | 1.234         |             | 90                | ИБР-2 (РЕГАТА)/ ААС в СШАПИ                         | Грант РФФИ 18-29-25023 МК   |



|      |  | НЭО НИКС   |  |  |   |               |             |                   |   |   |
|------|--|--|--|--|---|---------------|-------------|-------------------|---|---|
|      |  | ОЯФ  |  |  |   |               |             |                   |   |   |
|      |  | НЭОКС  |  |  |   |               |             |                   |   |   |
|      |  | СРС  |  |  |   |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ  | сторонние соавторы с указанием страны и названием 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.) |
| 96   | D. Abdusamadzoda, I. Zinicovscaia, O. Dului, K. Vergel                         | D. Abdusamadzoda, D.A. Abdushukurov, Institute of Water Problem, Hydropower and Ecology of Academy of Science, 14a Ainy Str., 734042 Dushanbe, Tajikistan, O. Dului, Department of Structure of Matter, Earth and Atmospheric Physics and Astrophysics, Faculty of Physics, University of Bucharest, 405, Atomistilor Str., 077125 Magurele, Ilfov, Romania. I. Zinicovscaia, Horia Hulubei R & D Institute for Physics and Nuclear Engineering, 30, Reactorului Str., 077125 Magurele, Ilfov, Romania | Assessment of the geochemical and ecological conditions in surface sediments of the Varzob River.  | Microchemical Journal 158 (2020) 105173  | <a href="https://doi.org/10.1016/j.microc.2020.105173">https://doi.org/10.1016/j.microc.2020.105173</a>   | 3.206         |             | 70                | ИБР-2 (РЕГАТА)                                      |   |
| 97   | I. Zinicovscaia  | O. Motyka, K. Štrbová, VSB-Technical University of Ostrava, 17 Listopadu 2172/15, 708 00 Ostrava-Poruba, Czech Republic  | Chlorophyll content in two medicinal plant species following nano-TiO2 exposure.   | Bulletin of Environmental Contamination and Toxicology, 2020, 10.1007/s00128-020-02787-z | <a href="https://doi.org/10.1007/s00128-020-02787-z">https://doi.org/10.1007/s00128-020-02787-z</a>   | 1.65          |             | 40                | ИБР-2 (РЕГАТА)                                      | программа ПП Чехии, 2019 год  |
| 98   | I. Zinicovscaia, S. Gundorina, K. Vergel, D. Grozdov,                          | A. Ciocarlan, A. Aricu, I. Dragalin, N. Ciocarlan,   | Elemental analysis of Lamiaceae medicinal and aromatic plants growing in the Republic of Moldova using neutron activation analysis.  | Phytochemistry Letters, 35 (2020), 119-127,  | <a href="https://doi.org/10.1016/j.phytol.2019.10.009">https://doi.org/10.1016/j.phytol.2019.10.009</a>   | 1.338         |             | 7000%             | ИБР-2 (РЕГАТА)                                      |   |
| 99   | I. Zinicovscaia, L. Strelkova, D. Grozdov                                      | L. Cepoi, L. Rudi, T. Chiriac, V. Miscu, S. Djur, Institute of Microbiology and Biotechnology, Chisinau  | Spirulina platensis as renewable sorbent for heavy metals accumulation from multi-element synthetic effluents.   | Environmental Science and Pollution Research, 2020                                       | <a href="https://doi.org/10.1007/s11356-020-09447-z">https://doi.org/10.1007/s11356-020-09447-z</a>   | 2.914         |             | 50                | ИБР-2 (РЕГАТА)                                      | Грант РФФИ 18-29-25023 мк   |
| 100  | I. Zinicovscaia, S. Gundorina, N. Yushin                                       | A. Safonov, N. Popova, Frumkin Institute of Physical Chemistry and Electrochemistry, Russian Academy of Sciences; K. Boldyrev, Nuclear Safety Institute of the Russian Academy of Sciences; O. Petuhov, Institute of Chemistry, Chisinau, Moldova  | Selective metal removal from chromium-containing synthetic effluents using Shewanella xiamenensis biofilm supported on zeolite.  | Environmental Science and Pollution Research, 2020; 27: 10495–10505                      | <a href="https://doi.org/10.1007/s11356-020-07690-y">https://doi.org/10.1007/s11356-020-07690-y</a>   | 2.914         |             | 8000%             | ИБР-2 (РЕГАТА)                                      | Грант РФФИ 18-29-25023 мк   |
| 101  | I. Zinicovscaia  | M. Shammass, V. Nirwan, A. Fahmi Faculty of Technology and Bionics, Rhein-Waal University of Applied Sciences, Kleve, Germany; D. Humelnicu, Faculty of Chemistry, "A.I. Cuza" University of Iasi, 700506, Iasi, Romania, L. Cepoi, Institute of Microbiology and Biotechnology, Chisinau; Š. Demčák, Faculty of Civil Engineering, Institute of Environmental Engineering, Technical University of Kosice, Kosice, Slovak Republic  | Bioinspired electrospun hybrid nanofibers based on biomass templated within polymeric matrix for metal removal from wastewater.  | Polymer Bulletin, 2020, 77: 3207–3222,   | DOI: 10.1007/s00289-019-02916-7   | 1.858         |             | 30%               | ИБР-2 (РЕГАТА)                                      | программа ПП Румынии 2019 год   |
| 102  | I. Zinicovscaia  | I. Povar, O. Spinu; T. Mitina; T. Lupascu; Gh. Duca, Institute of Chemistry, Chisinau, Moldova; S. Ubaldini, Institute of Environmental Geology and Geoengineering, Italian National Research Council, Research Area of Rome 1, 00015 Monterotondo, Italy  | Thermodynamic analyzing of heavy metals precipitation for recovery from industrial wastewaters.  | Environmental Engineering and Management, 2020, Vol. 19, No. 2, 281-288                  | <a href="http://www.eemj.icpm.tuiasi.ro/pdfs/vol19/no2/10_146_Povar_19.pdf">http://www.eemj.icpm.tuiasi.ro/pdfs/vol19/no2/10_146_Povar_19.pdf</a>   | 1.186         |             | 20                |   |   |
| 103  | M. Frontasyeva, A. Uzhinskiy, O. Chaligava and participants of the moss survey | H. Harmens (Великобритания, Университет в Бангоре)   | Mosses as biomonitors of air pollution: 2015/2016 survey on heavy metals, nitrogen and POPs in Europe and beyond. Report of the ICP Vegetation Moss Survey Coordination Centre, Joint Institute for Nuclear Research, Dubna, Russian Federation, 136 pp. ISBN 978-5-9530-0508-1. |  | <a href="https://www.researchgate.net/publication/341956017_Mosses_as_biomonitor_s_of_air_pollution_20152016_survey_on_heavy_m_etals_nitrogen_and_POPs_in_Europe_and_beyond">https://www.researchgate.net/publication/341956017_Mosses_as_biomonitor_s_of_air_pollution_20152016_survey_on_heavy_m_etals_nitrogen_and_POPs_in_Europe_and_beyond</a> |               |             | 90%               | ИБР-2 (РЕГАТА)                                      | программы и гранты Полномочных Представителей   |
| 104  | M. Frontasyeva   | P. Lazo, Sh. Allajbeu, L. Bektshi, S. Kane, F. Qarri (Албания, Университет в Тиране); T. Stafilov (Северная Македония, Университет в Скопье)   | The Evaluation of Air Quality in Albania by Moss Biomonitoring and Metals Atmospheric Deposition.  | Book, Springer Nature, Switzerland, 2020, pp. 132.                                       |   |               |             | 3000%             | ИБР-2 (РЕГАТА)                                      |   |
| 105  | I. Pavlíková, M. Frontasyeva, P. Jančík  | O. Motyka, I. Pavlíková, J. Bitta, P. Jančík (Чехия, Университет в Остраве)  | Moss biomonitoring and air pollution modelling on a regional scale: delayed reflection of industrial pollution in moss in a heavily polluted region?   | Environmental Science and Pollution Research.  | <a href="https://doi.org/10.1007/s11356-020-09466-w">https://doi.org/10.1007/s11356-020-09466-w</a>   | 2.914         |             | 5000%             | ИБР-2 (РЕГАТА)                                      | Программа и грант ПП Чехии 2017-2019  |

|      |  | НЭО НИКС  |   |  |   |                           |             |                   |   |   |
|------|--|---|---|--|---|---------------------------|-------------|-------------------|---|---|
|      |  | ОЯФ   |   |  |   |                           |             |                   |   |   |
|      |  | НЭОКС   |   |  |   |                           |             |                   |   |   |
|      |  | СРС   |   |  |   |                           |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ                        | сторонние соавторы с указанием страны и названием 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.) |
| 106  | M.V. Frontasyeva, T.T.M. Trinh,                        | L.H. Khiem, H. Quyet, N.T.B. My, N.T. Nghia, T.D. Trung, L.D. Nam, K.T. Hong, Institute of Physics, Vietnam Academy of Science and Technology, Ha Noi, Vietnam; K. Sera, T. Hosokawa, Cyclotron Research Center, Iwate Medical University, Takizawa, Japan; NDalat University, Da Lat, Lam Dong, Vietnam; N.N. Mai, D.V. Thang, N.A. Son, T.T. Thanh, University of Science, HCM City National University, Ho Chi Minh City, Vietnam; D. P.T. Tien, Nhatrang Institute of Technology and Application, Nha Trang, Vietnam  | Assessment of atmospheric deposition of metals in Ha Noi using the moss bio-monitoring technique and proton induced X-ray emission.                                       | Journal of Radioanalytical and Nuclear Chemistry (2020) 324:43–54. | <a href="https://doi.org/10.1007/s10967-020-07066-z">https://doi.org/10.1007/s10967-020-07066-z</a>   | 1.186                     |             | 2000%             | ИБР-2 (РЕГАТА)                                      | программа ПП Вьетнама 2019 год  |
| 107  | М.В. Фронтасьева, С.С. Павлов.                         | А.В. Горбунов, Б.В. Ермолаев, С.М. Ляпунов, О.И. Окينا (Россия, Геологический институт РАН)   | Особенности распределение макро-и микроэлементов в урбанизированных природных средах Карелии.   | Экология человека, № 8, 2020.                                      |   | Импакт-фактор РИНЦ 1.439. |             | 50%               | ИБР-2 (РЕГАТА)                                      |   |
| 108  | M. Frontasyeva, S. Pavlov.                             | A.M. Gorbunov, S. Lyapunov (Россия, Геологический институт РАН)   | Trace elements in basidiomycetes, levels of accumulation and the relationship with the environment.   | Chapter of ebook Prime Archives in Microbiology. 2020              | <a href="https://www.researchgate.net/publication/342006604_Trace_Elements_in_Basidiomycetes_Levels_of_Accumulation_and_the_Relationship_with_the_Environment">https://www.researchgate.net/publication/342006604_Trace_Elements_in_Basidiomycetes_Levels_of_Accumulation_and_the_Relationship_with_the_Environment</a> |                           |             | 50%               | ИБР-2 (РЕГАТА)                                      |   |
| 109  | M.V. Frontasyeva, S.S. Pavlov.                         | A.M. Gorbunov, S. Lyapunov (Россия, Геологический институт РАН)   | Some Regularities of Mercury Accumulation in the Muscles of Freshwater Fish.  | Global Journals. Volume 20 Issue 1 Version 1.0.                    | <a href="https://globaljournals.org/ev/GJSFR/6831293955e4e65be51659767853686.pdf">https://globaljournals.org/ev/GJSFR/6831293955e4e65be51659767853686.pdf</a>   |                           |             | 50%               | ИБР-2 (РЕГАТА)                                      |   |
| 110  | М.В. Фронтасьева                                       | А.С. Кабылова, Н.М. Омарова (Казахстан, ЕНУ, Нур-Султан)  | Мониторинг атмосферных выпадений тяжелых элементов на территории Карагандинской области на основе анализа мхов-биоиндикаторов методом нейтронного активационного анализа. | Труды конференции в Башкирском университете, 2020, стр. 251-259.   | <a href="https://bashedu.ru/ru/novosti-khimicheskogo-fakulteta/sbornik-tezisev-v-serossiiskoi-molodezhnoi-konferentsii">https://bashedu.ru/ru/novosti-khimicheskogo-fakulteta/sbornik-tezisev-v-serossiiskoi-molodezhnoi-konferentsii</a>   |                           |             | 70                | ИБР-2 (РЕГАТА)                                      | Программа с Казахстаном 2018-2019 гг  |
| 111  | Г. Христовова, М. Фронтасьева, И. Зиньковская          | Анна Плиева, Юлия Лавриненко, Северо-Осетинский государственный университет им. К. Л. Хетагурова; Кирилл Ткаченко, Ботанический институт им. В.Л. Комарова Российской Академии наук, Санкт-Петербург, Россия  | Элементный состав травяных чаёв, исследованных с помощью инструментального нейтронного активационного анализа и атомной абсорбционной спектрометрии.                      | Химия растительного сырья. 2020, № 3. стр. 16.                     | <a href="http://journal.asu.ru/cw">http://journal.asu.ru/cw</a>   |                           |             | 70                | ИБР-2 (РЕГАТА)                                      |   |
| 112  | I. Zimicovscaia, N. Yushin, K. Vergeľ, M. Frontasyeva, | Renata Holubek, Alexander V. Sirotkin, Department of Zoology and Anthropology, Faculty of Natural Sciences, Constantine the Philosopher University, ul. Nábřežie mládeže 91, 949-74 Nitra, Slovakia; Joanna Deckert, Jagna Chmielowska-Bąk, Department of Plant Ecophysiology, Institute of Experimental Biology, Faculty of Biology, Adam Mickiewicz University, Poznań, ul. Uniwersytetu Poznańskiego 6, 61-614 Poznań, Poland, Donald Samdumu Bajia, Department of Biochemistry, Faculty of Science, The University of Bamenda, ENS Street, Bambili, Cameroon and Department of Biotechnology, University of Verona, Via San Francesco, 22, 37129 Verona VR, Italy | The recovery of soybean plants after short-term cadmium stress.   | Plants 2020, 9, 782; doi: 10.3390/plants9060782                    | <a href="https://doi.org/10.3390/plants9060782">https://doi.org/10.3390/plants9060782</a>   | 2.632                     |             | 30                | ИБР-2 (РЕГАТА)                                      | грант ПП Польши 2017-2019 гг.   |



|      |   | НЭО НИКС  |  |  |   |               |             |                   |   |   |
|------|---|---|--|--|---|---------------|-------------|-------------------|---|---|
|      |   | ОЯФ   |  |  |   |               |             |                   |   |   |
|      |   | НЭОКС   |  |  |   |               |             |                   |   |   |
|      |   | СРС   |  |  |   |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ   | сторонние соавторы с указанием страны и названием 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.) |
| 113  | Marina Frontasyeva, Trinh Thi Thu My, Nguyen Thi Bao My, Inga Zinicovscaia, | Le Hong Khiem, Koichiro Sera, Takako Hosokawa, Le Dai Nam, Nguyen Huu Quyet, Nguyen The Nghia, Trinh Dinh Trung, Khuat Thi Hong, Nguyen Ngoc Mai, Duong Van Thang, Nguyen An Son, Tran Thien Thanh, Sonexay Xayheungsy. Institute of Physics, Vietnam Academy of Science and Technology, Hanoi, Vietnam; Cyclotron Research Center, Iwate Medical University, Takizawa, Japan; Institute for Nuclear Science and Technology, Vietnam Atomic Energy Institute, Hanoi, Vietnam; Faculty of Physics, Ha Noi University of Science, Ha Noi National University, Hanoi, Vietnam; Centre for High Technology Development, Vietnam Academy of Science and Technology, Hanoi, Vietnam; VNUHCM - University of Science, Ho Chi Minh City, Vietnam; National University of Lao's PDR, Vientiane, Laos | Active Moss Biomonitoring Technique for Atmospheric Elemental Contamination in Hanoi using Proton Induced X-ray Emission.                  | Journal of Radioanalytical and Nuclear Chemistry 2020. DOI: 10.1007/s10967-020-07253-y   | <a href="https://doi.org/10.1007/s10967-020-07253-y">https://doi.org/10.1007/s10967-020-07253-y</a>   | 1.186         |             | 20                | ИБР-2 (РЕГАТА)  | грант ПП Вьетнама 2019 год  |
| 114  | I. Zinicovscaia, N. Yushin, K. Vogel, D. Grozdov                            |   | Moss Biomonitoring in Former Soviet Union Countries: A Review.   | In (Gh. Duca, A. Vaseashtas eds) Emerging Developments and Environmental Impacts of Ecological Chemistry. 2020, SBN13: 9781799812418, DOI: 10.4018/978-1-7998-1241-8   | <a href="https://www.igi-global.com/book/handbook-research-emerging-developments-environmental/231905">https://www.igi-global.com/book/handbook-research-emerging-developments-environmental/231905</a>                         |               |             | 50                | ИБР-2 (РЕГАТА)  |   |
| 115  | I. Zinicovscaia   | L. Cepoi, Institute of Microbiology and Biotechnology, Chisinau, Moldova  | Spirulina platensis as a model object for the environment bioremediation studies.  | In: Konur, O. (Ed.) The Handbook of Algal Science, Microbiology, Technology, and Medicine. 629-640. Academic Press, London   | <a href="https://www.elsevier.com/books/handbook-of-algal-science-technology-and-medicine/konur/978-0-12-818305-2">https://www.elsevier.com/books/handbook-of-algal-science-technology-and-medicine/konur/978-0-12-818305-2</a> |               |             | 4000%             | ИБР-2 (РЕГАТА)  |   |
| 116  | A.M. Sukhovej, L.V. Mitsyna, D.C. Vu  | D.C. Vu, N. Jovancevic, D. Knezevic, M. Krmar, and A. Dragic, Institute of Physics, Vietnam Academy of Sciences and Technology, Hanoi, Vietnam, Department of Physics, Faculty of Science, University of Novi Sad, Novi Sad, 21000 Serbia, Belgrade Institute of Physics, Belgrade, 11080 Serbia  | Analyzing Cascade Gamma-Decays of Nuclei at Energies of Excitation Below That of Neutron Binding   | Bulletin of the Russian Academy of Sciences: Physics, 2020, Vol. 84, No. 4, pp. 441–445. © Allerton Press, Inc., 2020  | DOI: 10.3103/S1062873820040322  | 0.51          |             | ~ 100 %           | обработка данных выполнена в ЛНФ ОИЯИ   | Без участия в национальном или международном проекте  |
| 117  | Sukhovej A.M., Mitsyna L.V., Cong V.D.                                      | Knezevic D., Dragic A., Jovancevic N., Krmar M., Szentmiklósi L., Belgya T., Oberstedt S., Arsenic I., Cong V.D., University of Belgrade, Institute of Physics Belgrade, Pregrevica 118, University of Novi Sad, Faculty of Science, Department of Physics, Trg Dositeja Obradovica, Vietnam Academy of Science and Technology, Institute of Physics, Hanoi, Centre for Energy Research, Hungarian Academy of Sciences, Budapest, European Commission, Joint Research Centre, Directorate G – Nuclear Safety and Security   | Study of Gamma Ray Transitions and Level Scheme of <sup>94</sup> Nb Using the <sup>93</sup> Nb(nth,2 $\gamma$ ) Reaction                   | Nuclear Physics A, Vol.993, January 2020, 121645   | <a href="https://doi.org/10.1016/j.nuclphysa.2019.121645">DOI: 10.1016/j.nuclphysa.2019.121645</a>  | 1.436         |             | ~20 %             | Обработка данных полностью выполнена в ЛНФ ОИЯИ, эксперимент выполнен сотрудниками University of Novi Sad и других его участников |   |
| 118  | Т.Ю. Зеленьяк   |   | ПЕРСПЕКТИВНЫЕ НАПРАВЛЕНИЯ ГИБРИДНОЙ ОРГАНО-НЕОРГАНИЧЕСКОЙ ПЕРОВСКИТНОЙ ФОТОВОЛЬТАИКИ   | Физическая и аналитическая химия природных и техногенных систем, новые технологии и материалы – Ходаковские чтения : сборник трудов Всероссийской конференции с международным участием (Дубна, 18–19 апреля 2019) / под общ. ред. П. П. Гладышева. — Дубна : Гос. ун-т «Дубна», 2019. — 192 с. (ISBN 978-5-89847-582-6), С. 47-51. 87-102. |   |               |             |                   |   |   |
| 119  | Anatoly M. Sukhovej, Liudmila V. Mitsyna,                                   | Nikola Jovančević, David Knežević, Aleksandar Dragić, László Szentmiklósi, Tamás Belgya, Zsolt Revay, Christian Stieghorst <sup>5</sup> , Stephan Oberstedt <sup>6</sup> , Miodrag Krmar, Dimitrije Maletić, nd Dejan Joković, University of Novi Sad, Faculty of Science, Department of Physics, University of Belgrade, Institute of Physics Belgrade, Centre for Energy Research, Hungarian Academy of Sciences, Technische Universität München, Forschungsneutronenquelle Heinz Maier-Leibnitz (FRM II)   | Experimental Study of the Gamma-Decay of Compound-States of <sup>56</sup> Mn and <sup>94</sup> Nb Nuclei in the (nth,2 $\gamma$ )-Reaction | XXVII International Seminar on Interaction of Neutrons with Nuclei (Neutron Spectroscopy, Nuclear Structure, Related Topics), Dubna, Russia, June 10–14, 2019, JINR, E3-2020-10 (Dubna, 2020), p.80.   |   |               |             |                   |   |   |

|      |  | НЭО НИКС   |  |  |                              |               |             |                   |   |   |
|------|--|--|--|--|------------------------------|---------------|-------------|-------------------|---|---|
|      |  | ОЯФ  |  |  |                              |               |             |                   |   |   |
|      |  | НЭОКС  |  |  |                              |               |             |                   |   |   |
|      |  | СРС  |  |  |                              |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ  | сторонние соавторы с указанием страны и названием 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.) |
| 120  | В.А. Александров, А.С. Дорошкевич, О.Ю. Иваньшина, М. Балашою, А.Х. Исламов, А. Moià-Pol, Р.Г. Назмитдинов, Д. И. Юренков, Н.С. Тихонова | А. И. Любчик, i3N/CENIMAT, Department of Materials Science, Faculty of Science and Technology, New University of Lisbon and CEMOP/UNINOVA, Saparica, Portugal<br>A. Moià-Pol, Balearic Island's University- Engineering Group of Building and Energy Management Carretera Valldemossa km 7,5, 07122 Palma de Mallorca (Spain)  | ХИТОЗАН И АЛЬГИНАТ – ПЕРСПЕКТИВНЫЕ ПОЛИМЕРНЫЕ СВЯЗУЮЩИЕ ДЛЯ ФУНКЦИОНАЛЬНЫХ СРЕД БИОСОВМЕСТИМОЙ НАНОЭЛЕКТРОНИКИ И ЭКОЛОГИЧЕСКИ ЭФФЕКТИВНЫХ СТРОИТЕЛЬНЫХ ТЕХНОЛОГИЙ    | Физическая и аналитическая химия природных и техногенных систем, новые технологии и материалы – Ходаковские чтения : сборник трудов Всероссийской конференции с международным участием (Дубна, 18–19 апреля 2019) / под общ. ред. П. П. Гладышева. — Дубна : Гос. ун-т «Дубна», 2019. — с. 3   |                              |               |             | 80%               | ОИЯИ ЛНФ  |   |
| 121  | Е.А. Гридина, А.С. Дорошкевич, А.В. Шило, А.И. Логунов, А.Х. Исламов, А.И. Мададзада, Э.Б. Аскеров, М. Балашою, Р. Г. Назмитдинов        | А.В. Шило, Донецкий физико-технический институт им. А.А. Галкина НАНУ, Украина, 02000, г. Киев, пр. Науки, 46<br>А.И. Логунов, Государственный университет «Дубна», РФ, 141982, Московская область, г. Дубна, ул. Университетская, д. 19   | ФОРМИРОВАНИЕ И ИССЛЕДОВАНИЕ СВОЙСТВ КОМПОЗИТНЫХ СИСТЕМ ДЛЯ СЕНСОРНЫХ ПРИМЕНЕНИЙ В ВИДЕ ПОЛИМЕРНЫХ ПЛЁНОК, НАПОЛНЕННЫХ НАНОРАЗМЕРНЫМИ КРИСТАЛЛИТАМИ ДИОКСИДА ЦИРКОНИЯ | Физическая и аналитическая химия природных и техногенных систем, новые технологии и материалы – Ходаковские чтения : сборник трудов Всероссийской конференции с международным участием (Дубна, 18–19 апреля 2019) / под общ. ред. П. П. Гладышева. — Дубна : Гос. ун-т «Дубна», 2019. — с. 37  |                              |               |             | 80%               | ОИЯИ ЛНФ  |   |
| 122  | А.С. Дорошкевич, М. Балашою, А.Х. Исламов, А.А. Логинов, В.С. Дорошкевич, Н.В. Дорошкевич, Р.Г. Назмитдинов                              | А.И. Любчик, i3N/CENIMAT, Department of Materials Science, Faculty of Science and Technology, New University of Lisbon and CEMOP/UNINOVA, Saparica, Portugal<br>А.В. Шило, Донецкий физико-технический институт им. А.А. Галкина НАНУ, Украина, 02000, г. Киев, пр. Науки, 46<br>В.С. Дорошкевич, Донецкий Национальный Университет, Украина, 83001, Донецкая область, г. Донецк, ул. Щорса, 17а<br>A. Moià-Pol, Balearic Island's University- Engineering Group of Building and Energy Management Carretera Valldemossa km 7,5, 07122 Palma de Mallorca (Spain) | ТАНДЕМНЫЕ АДсорбционные ЭЛЕКТРО-ТЕПЛО-ГЕНЕРАТОРЫ – ПЕРСПЕКТИВНЫЕ ЭЛЕМЕНТЫ НОВЫХ СТРОИТЕЛЬНЫХ ТЕХНОЛОГИЙ  | Физическая и аналитическая химия природных и техногенных систем, новые технологии и материалы – Ходаковские чтения : сборник трудов Всероссийской конференции с международным участием (Дубна, 18–19 апреля 2019) / под общ. ред. П. П. Гладышева. — Дубна : Гос. ун-т «Дубна», 2019. — с. 47  |                              |               |             | 70%               | ОИЯИ ЛНФ  |   |
| 123  | А.А. Татарина, А.С. Дорошкевич, В.Р. Гашимова, О.Ю. Иваньшина, М. Балашою, П.П. Гладышев   | В.Р. Гашимова, Государственный университет «Дубна», РФ, 141982, Московская область, г. Дубна, ул. Университетская, д. 19   | ПОЛУЧЕНИЕ СИЛОКСАНОВЫХ ПОКРЫТИЙ С ОКСИДНЫМИ НАПОЛНИТЕЛЯМИ ДЛЯ КЕСТЕРИТНЫХ (CZTS) ФОТОВОЛЬТАИЧЕСКИХ СИСТЕМ  | Физическая и аналитическая химия природных и техногенных систем, новые технологии и материалы – Ходаковские чтения : сборник трудов Всероссийской конференции с международным участием (Дубна, 18–19 апреля 2019) / под общ. ред. П. П. Гладышева. — Дубна : Гос. ун-т «Дубна», 2019. — с. 157 |                              |               |             | 70%               | ОИЯИ ЛНФ  |   |



|      |  | НЭО НИКС   |   |  |   |               |             |                   |   |   |
|------|--|--|---|--|---|---------------|-------------|-------------------|---|---|
|      |  | ОЯФ  |   |  |   |               |             |                   |   |   |
|      |  | НЭОКС  |   |  |   |               |             |                   |   |   |
|      |  | СРС  |   |  |   |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ  | сторонние соавторы с указанием страны и названием 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.) |
| 124  | Yu N. Kopatch, Ivan N. Ruskov, D.N.Grozdanov, N. A. Fedorov, C. Hramco | Mahmoud I. Abbas, Mona M. Gouda, Mohamed Elsafi, Ahmed M. El-Khatib (Physics Department, Faculty of Science, Alexandria University, 21511, Alexandria, Egypt), Mohamed S. Badawi (Physics Department, Faculty of Science, Beirut Arab University, Beirut, Lebanon), Abouzeid A. Thabet (Department of Medical Equipment Technology, Faculty of Allied Medical Sciences, Pharos University in Alexandria, Egypt), Ivan N. Ruskov, D.N.Grozdanov (Institute for Nuclear Research and Nuclear Energy (INRNE), BAS, Sofia, Bulgaria), Salam Noureddine (Physics Department, Faculty of Science, Lebanese University, Beirut, Lebanon), N. A. Fedorov (Faculty of Physics, Lomonosov Moscow State University (MSU), Moscow, Russia), C. Hramco (Institute of Chemistry of Moldova, Chisinau, Republic of Moldova), Mohamed Abd-Elzaher (Department of Basic and Applied Sciences, Faculty of Engineering, Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt), A. Hamzawy (Physics Department, Al-Jamoum University College, Umm Al-Qura University, Al-Jamoum, Saudi Arabia) | Efficiency of a cubic NaI (Tl) detector with rectangular cavity using standard radioactive point sources placed at non-axial position | <u>Applied Radiation and Isotopes Volume 163, September 2020, 109139</u> | <a href="https://doi.org/10.1016/j.apradiso.2020.109139">https://doi.org/10.1016/j.apradiso.2020.109139</a> | 1.343         |             | 30%               |   |   |

|      |  | НЭО НИКС   |  |   |   |               |             |                   |   |   |
|------|--|--|--|---|---|---------------|-------------|-------------------|---|---|
|      |  | ОЯФ  |  |   |   |               |             |                   |   |   |
|      |  | НЭОКС  |  |   |   |               |             |                   |   |   |
|      |  | СРС  |  |   |   |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ  | сторонние соавторы с указанием страны и названием 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.) |
| 125  | V. Furman, Yu. Kopatch   | A.Mazzonea,b, S.Cristallocc,d, O.Aberlee, G.Alaertsf, V.Alcayneg, S.Amaduccih,i, J.Andrzejewskij, L. Audouink, V.Babiano-Suarezl, M.Bacake,m,n, M. Barbagalloe,a, V.Bécaresg, F.Be`cvá`ro, G.Belliah,i, E. Berthoumieuxn, J.Billowesp, D.Bosnarq, A.S.Brownr, M.Bussoc,s, M.Caamañot, L.Caballerol, M.Calvianie, F.Calviñou, D.Cano-Ottg, A.Casanovasu, D.M. Castellucciov,w, F.Ceruttie, Y.H.Chenk, E.Chiaverip,x, e, G.Claiv,w, N.Colonnaa, G.P.Cortésu, M.A.Cortés-Giraldox, L.Cosentinoh, L.A.Damoneay, M.Diakakiz, M.Dietzaa, C.Domingo-Pardol, R.Dresslerab, E. Dupontn, I.Duránt, Z.Elemeac, B.Fernández-Domíngetz, A.Ferrarie, I.Ferro-Gonçalvesad, P. Finocchiaroh, V.Furmanae, R.Gargaa, A.Gawlikj, S. Gilardonie, T.Glodariuaf, K.Göbelag, E.González-Romerog, C.Guerrerox, F.Gunsingn, S.Heinitzab, J. Heysef, D.G.Jenkinsr, E.Jericham, Y.Kadie, F. Käppelerah, A.Kimuraai, N.Kivelab, M.Kokkorisz, Y. Kopatchae, S.Kopeckyf, M.Krti`ckao, D.Kurtulgilag, I. Ladarescul, C.Lederer-Woodsaa, J.Lerendegui-Marcoc, S.LoMeov,w, S.-J.Lonsdaleaa, D.Macinae, A.Mannav, aj, T.Martínezg, A.Masie, C.Massimiv,aj,*; P.F. Mastinuak, M.Mastromarcoe,p, F.Matteuccialam, E. Maugeriab, E.Mendozag, A.Mengoniv,w, V. Michalopoulouz, P.M.Milazzoal, F.Mingronee, R. Mucciolaav,aj, A.Musumarrah,i, A.Negretaf, R.Noltean, F.Ogállarao, A.Opreaaf, N.Patronisac, A.Pavlikap, J. Perkowskij, L.Piersantic,d, I.Porrasao, J.Praenaao, J.M. Quesadax, D.Radeckan, D.RamosDovalk, R. Reifarthag, D.Rochmanab, C.Rubbiae, M.Sabaté-Gilartex,e, A.Saxenaaq, P.Schillebeeckxf, D. Schumannab, A.G.Smithp, N.Sosninp, A. Stamatopulosz, G.Taglientea, J.L.Tainl, Z.Talipab, A. E.Tarifeño-Saldiviau, L.Tassan-Gote,z,k, P.Torres-Sánchezao, A.Tsinganise, J.Ulrichab, S.Urlassear, S. Valentao, G.Vanniniv,aj, V.Varialea, P.Vazad, A. Venturav, D.Vescovic,as,d, V.Vlachoudise, R. Vlastouz, A.Wallnerat, P.J.Woodsaa, R.Wynantsf, T.J. Wrightp, P.ŽugecqaIstituto Nazionale di Fisica Nucleare, Bari, Italy<br>bConsiglio Nazionale delle Ricerche, Bari, Italy<br>cIstituto Nazionale di Fisica Nazionale, Perugia, Italy<br>dIstituto Nazionale di Astrofisica -Osservatorio Astronomico d'Abruzzo, Italy<br>eEuropean Organisation for Nuclear Research (CERN), Switzerland<br>fEuropean Commission, Joint Research Centre, Geel, Retieseweg 111, B-2440 Geel, Belgium<br>gCentro de Investigaciones Energéticas Medioambientales y Tecnológicas (CIEMAT), Spain<br>hINFN Laboratori Nazionali del Sud, Catania, Italy<br>iDipartimento di Fisica e Astronomia, Università di Catania, Italy<br>jUniversity of Lodz, Poland<br>kIPN, CNRS-IN2P3, Univ. Paris-Sud, Université Paris-Saclay, F-91406 Orsay Cedex, France<br>lInstituto de Física Corpuscular, CSIC -Universidad de Valencia, Spain<br>mTechnische Universität Wien, Austria<br>nCEA Saclay, Irfu, Université Paris-Saclay, Gif-sur-Yvette, France<br>oCharles University, Prague, Czech Republic<br>pUniversity of Manchester, United Kingdom<br>qDepartment of Physics, Faculty of Science, University of Zagreb, Croatia | Measurement of the $^{154}\text{Gd}(n,\gamma)$ cross section and its astrophysical implications                        | PhysicsLettersB804(2020)135405  | <a href="https://doi.org/10.1016/j.physletb.2020.135405">https://doi.org/10.1016/j.physletb.2020.135405</a> | 4.3848        |             | 2%                | nTOF источник нейтронов, ЦЕРН                       |   |
| 126  | A.M. Sukhovej, L.V. Mitsyna, D.C. Vu., N. Jovancevic, D. Knezevic, M. Krmar, A. Dragic | 2Vietnam Academy of Science and Technology Institute of Physics, Hanoi, Vietnam, 3University of Novi Sad, Faculty of Science, Department of Physics, Trg Dositeja Obradovica 3, 21000 Novi Sad, Serbia, Institute of Physics Belgrade, Pregravica 118, 11080 Zemun, Serbia   | Problems and Possibilities of a Study of the Cascade Gamma-Decay of a Nucleus Excited below the Neutron Binding Energy | XXVII International Seminar on Interaction of Neutrons with Nuclei (Neutron Spectroscopy, Nuclear Structure, Related Topics), Dubna, Russia, June 10–14, 2019, JINR, E3-2020-10 (Dubna, 2020), p.70 |   |               |             |                   |   |   |



|      |  | НЭО НИКС   |  |  |  |               |             |                   |   |   |
|------|--|--|--|--|--|---------------|-------------|-------------------|---|---|
|      |  | ОЯФ  |  |  |  |               |             |                   |   |   |
|      |  | НЭОКС  |  |  |  |               |             |                   |   |   |
|      |  | СРС  |  |  |  |               |             |                   |   |   |
| № ПП | авторский коллектив от ЛНФ ОИЯИ                              | сторонние соавторы с указанием страны и названием 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.) |
| 127  | M. A. Zakharov, A. I. Frank, G. V. Kulin, and S. V. Goryunov |  | Interaction of Ultracold Neutrons with a Neutron Interference Filter Oscillating in Space. | M. A. Zakharov, A. I. Frank, G. V. Kulin, and S. V. Goryunov Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques, 14, 6–12 (2020)  | <a href="https://doi.org/10.1134/S1027451020010218">https://doi.org/10.1134/S1027451020010218</a>          | 0.359         | Q3          | 100%              |   |   |
| 128  | G. V. Kulin, A. I. Frank                                     | V.A. Bushuev, Moscow State University, Russia<br>Yu. N. Khaydukov, Max Planck Society Outstation at the Heinz Maier-Leibnitz Zentrum (MLZ) ,Germany<br>D. V. Roshchupkin, Institute of Microelectronics Technology and High-Purity Materials RAS, Russia<br>S. Vadilonga, Institute for Nanometre Optics and Technology, Helmholtz-Zentrum Berlin für Materialien und Energie, Germany<br>A. P. Sergeev, Institute for System Analysis RAS, Russia | Nonstationary neutron diffraction by surface acoustic waves.                               | G. V. Kulin, A. I. Frank, V. A. Bushuev, Yu. N. Khaydukov, D. V. Roshchupkin, S. Vadilonga, and A. P. Sergeev. Nonstationary neutron diffraction by surface acoustic waves. Physical Review B, 101, 165419 (2020). | DOI: <a href="https://doi.org/10.1103/PhysRevB.101.165419">https://doi.org/10.1103/PhysRevB.101.165419</a> | 3,575         | Q1          | 70%               |   | Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) for financial support (Project No. 107745057—TRR 80).   |
| 129  | A.I.Frank  |  | Interaction of a wave with an accelerating object and the equivalence principle.           | Frank A I "Interaction of a wave with an accelerating object and the equivalence principle" Phys. Usp. 63 500–502 (2020)   | DOI: 10.3367/UFNr.2019.07.038639   | 2,948         | Q1          | 100%              |   |   |

Vertical line on the left side of the page.



Vertical line on the left side of the page.

Vertical line on the left side of the page.





Vertical line on the left side of the page.



Vertical line on the left side of the page.

Vertical line on the left side of the page.

Vertical line on the left side of the page.



Vertical line on the left side of the page.

Vertical line on the left side of the page.

Vertical line on the left side of the page.



Vertical line on the left side of the page.

Vertical line on the left side of the page.

Vertical line on the left side of the page.

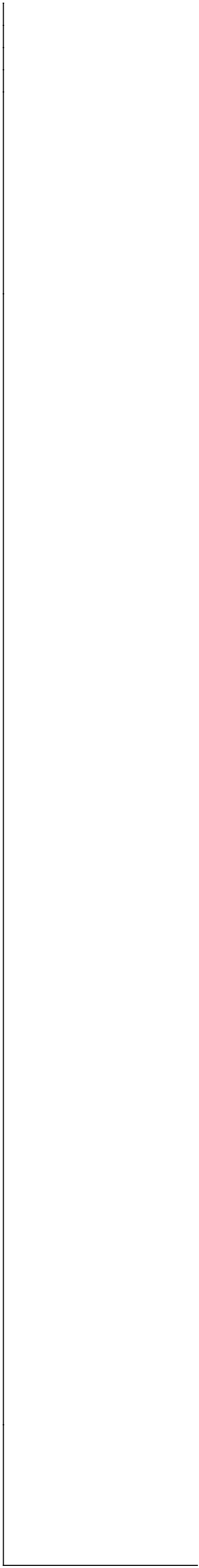




Vertical line on the left side of the page.

Vertical line on the left side of the page.





|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |