

		НЭО НИКС				
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<b>№ III</b>	<b>авторский коллектив от ЛНФ ОИЯИ</b>	<b>сторонние соавторы с указанием страны и названием института</b>	<b>название публикации</b>	<b>библиографическая ссылка на публикацию</b>	<b>электронная ссылка на статью</b>	<b>Impact Factor</b>
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)
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
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
4	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	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
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
6	Е.Р. Попов, А.Н. Черников, А.И. Бескровный	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
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)

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	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)
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
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
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. Borshchevskiy, 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
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.; Borshchevskiy, 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
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
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
15	M. Balasoiu, D. Soloviov, V. Turchenko	R. Vladoiu, A. Mandes, V. Dinea ( 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

16	M. Balasoïu, A.I. Kuklin, Y.S. Kovalev, V. Turchenko	S.N. Lysenko, S.A. Astafeva, 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
17	M. Balasoïu, S.I.Tiutiunnkirov	C.G. Chilom (Univ Bucharest, Fac Phys, Dept Elect Solid State & Biophys, Magurele, Romania) B. Zorila, M. Bacalum (Horia Hulubei Natl Inst Phys & Nucl Engr, 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
18	Vasin R.N., Balagurov A.M., Bobrikov I.A.	Shuitcev A., Fan X.M., Li L., Tong Y.X. (Harbin Engineering University, China); Golovin I.S. (National University of Science and Technology "MISIS", Russia)	Volume effect upon martensitic transformation in Ti29.7Ni50.3Hf20 high temperature shape memory alloy	Scripta Materialia. 2020. V. 178. P. 67-70.	<a href="http://doi.org/10.1016/j.scriptamat.2019.11.004">http://doi.org/10.1016/j.scriptamat.2019.11.004</a>	4.539
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
20	Vitalii Turchenko, Maria Balasoïu, Janusz Waliszewski	V.G. Kostishyn, National University of Science and Technology MISiS (Russia), Sergeï 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 Białystok, (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
21	I. Zuba, M. Piotrowski, A. Pawlkojcz	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

22	V. A. Turchenko, M. Balasoju, 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 SrFe <sub>11.9</sub> In <sub>0.1</sub> O <sub>19</sub>	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
23		A.Basti, F.Bedeschi, A.Bryzgalin, J.Budagov, P.Fabbricatore, 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]</a> , 16 p., Submitted on 13 Apr 2020	
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>	
25	S.E. Kichanov, S. Dyussembekova, D.P. Kozlenko, N.M. Belozeroва, B.N. Savenko	J.Wąsicki, 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
26	N.M. Belozeroва, S.E. Kichanov, D.P. Kozlenko, E.V. Lukin, B.N. Savenko	O. Kaman, Z. Jiráček (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
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
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
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

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
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
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
33	S.E. Kichanov, M. Kenessarin, M. Balasoiiu, 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 Nuclear Letters volume 17, 73–78(2020)	<a href="https://doi.org/10.1134/S1547477120010100">https://doi.org/10.1134/S1547477120010100</a>	
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
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
36	Gizo Bokuchava, Christian Scheffzük	Elzbieta Gadałińska (Institute of Aviation, Materials & Structures Research Center, Warsaw, Poland); Przemysław Kot, Andrzej Baczański, 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
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
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'Academie 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
39	A.A. Nabiyeu		Influence of nanoparticle weight fraction on morphology and thermal properties of HDPE/SiO <sub>2</sub> 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>	
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: (C <sub>3</sub> H <sub>5</sub> N <sub>2</sub> ) <sub>2</sub> [K <sub>x</sub> Fe <sub>1-x</sub> Co <sub>1-x</sub> (CN) <sub>6</sub> ]	Dalton Transactions 49, 2020, 5503-5512	<a href="https://doi.org/10.1039/d0dt00615g">https://doi.org/10.1039/d0dt00615g</a>	4.052
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
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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
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
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
48	Ермакова Е.В., Холмуродов Х.Т., Кучерка Н.	Куракин С.А., Ермакова Е.В., Душанов Э.Б., Холмуродов Х.Т., Утрикова Д., Кучерка Н.	ВЛИЯНИЕ ДВУХВАЛЕНТНЫХ ИОНОВ МЕТАЛЛОВ НА СТРУКТУРНУЮ ОРГАНИЗАЦИЮ МОДЕЛЬНЫХ БИОЛОГИЧЕСКИХ МЕМБРАН	В книге: Материалы XXI Зимней молодежной школы ПНИФ 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> eLIBRARY ID: 42854927 ISBN: 9785867634407	
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) E. P. Popov (Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, Sofia 1784, Bulgaria) E. P. Popov (Georgi Nadjakov Institute of Solid State Physics, Bulgarian Academy of Sciences, 1784, Sofia, Bulgaria) E. Demir (Istanbul Technical University, Istanbul, 34469 Turkey) P. Horodek (Institute of Nuclear Physics Polish Academy of Sciences, PL-31342 Krakow, Poland)	Effects of high-energetic $^3\text{He}^+$ ion irradiation on tungsten-based composites Vacuum (under reviewer)			2.515

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) E P Popov (Institute of Solid State Physics, Bulgarian Academy of Sciences, 72 Tzarigradsko Chaussee, 1784 Sofia, Bulgaria) 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/meta">https://iopscience.iop.org/article/10.1088/1742-6596/1492/1/012054/meta</a>	
51 E Popov	M.N. Mirzayev (Institute of Radiation Problems, ANAS, 9 B. Vahabzade Str., AZ 1143 Baku, Azerbaijan) E Popov (Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, Sofia, 1784, Bulgaria) E Popov (Georgi Nadjakov Institute of Solid State Physics, Bulgarian Academy of Sciences, Sofia, 1784, Bulgaria) E Demir (Yeditepe University, Physics Department, Istanbul, 34755, Turkey) BA Abdurakhimov (Institute of Nuclear Physics, Academy of Sciences of Uzbekistan, Tashkent, 100214, Uzbekistan) AK Mutali (The Institute of Nuclear Physics, 050032, Almaty, Kazakhstan) VN Tiep (Institute of Physics, Vietnam Academy of Science and Technology, 18 Hoang Quoc Viet, Cau Giay, Hanoi, Viet Nam) S Biira (Department of Physics, Busitema University, P.O. Box 236, Tororo, Uganda) K Olejniczak (Faculty of Chemistry, Nicolaus Copernicus University, ul.	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 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
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 1 Romanian Academy–Timisoara Branch, Center for Fundamental and Advanced Technical Research, Laboratory of Magnetic Fluids, Mihai Viteazu Ave. 24, 300223 Timisoara, Romania; 2 Dipartimento di Chimica e Chimica Industriale, Università degli Studi di Genova, Via Dodecaneso 31, 16146 Genova, Italy; 3 Istituto di Struttura della Materia-CNR, 00015 Monterotondo Scalo (RM), Italy 7 Faculty of Physics, West University of Timisoara, V. Parvan Ave. 4, 300223 Timisoara, Romania 8 Department of Physical Chemistry and Material Science, University of Szeged, 6720 Szeged, Hungary; 9 National Institute for Research and Development of Isotopic and Molecular Technologies (INCDTIM), Donat Str. 67-103, 400293 Cluj-Napoca, Romania;	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

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55	Пахневич А. В., Николаев Д. И., Лычагина Т. А.		Изменение кристаллографической текстуры раковин двустворчатых моллюсков во времени	Палеонтологический журнал		43952
56	Tomchuk O.V., Ivankov O.I., Aksenov V.L., Avdeev M.V.	Bulavin L.A.(b), Pipich V.(d), Ryukhtin V.(e) b) Faculty of Physics, Taras Shevchenko National University of Kyiv, Kyiv, 03022, Ukraine d) Jülich Centre for Neutron Science at Heinz Maier-Leibnitz Zentrum, Garching, Munich 85747, Germany 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
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) b) Faculty of Physics, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine c) Neutron Physics Department, Nuclear Physics Institute, ASCR, v.v.i., Řež, Czech Republic 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.
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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%2FS1027451020020329">https://link.springer.com/article/10.1134%2FS1027451020020329</a>	0.25



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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
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 <sub>2</sub> FeMoO <sub>6-x</sub> 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
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
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
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)
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68	M.Jazdzewska, A.Beskrovnyi, J.Waliszewski	K.Rotnicki, A.Sterczynska, Z. Fojud, M.Sliwinska-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
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 NiFe <sub>2</sub> O <sub>4</sub> 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 Fe <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> 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
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72	Бериков Д., Копач Ю.Н., Ахмедов Г.С., Новицкий В.В. Данилян Г.В.	V. Hutano, H. Deng - Institute of Crystallography, RWTH Aachen University and Ju'lich 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

73	ГРОЗДАНОВ Д. Н., ФЕДОРОВ Н. А., 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 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
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
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
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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	
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>	1.1
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

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. Nabiyeu, 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 Ukraine, 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
81	Artem Shylo, Aleksandr Doroshkevich, Andriy Lyubchuk, Yuri Bacherikov, Maria Balasoiu, Tetyana Konstantinova.	Artem Shylo, Tetyana Konstantinova (Donetsk Institute for Physics 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
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
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
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 <sup>196</sup> Pt 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
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	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/IJPAP%2058%284%29%20282-293.pdf">http://nopr.niscair.res.in/bitstream/123456789/54496/1/IJPAP%2058%284%29%20282-293.pdf</a>	0.822

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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
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 SiGAs implanted with Xe ions	Surface & Coatings Technology 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
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 Radionalytical 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
90	М.В. Фронтасьева	С.В. Горелова и С.А. Козлов - Тульский Университет; А.В. Горбунов, С.М. Ляпунов, О.И. Окина - 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		

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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
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
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
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96	D. Abdusamadzoda, I. Zinicovscaia, O. Duliu, 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. 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	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
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99	I. Zinicovscaia, L. Strelkova, D. Grozdov	L. Cepoi, L. Rudi, T. Chiriac, V. Miscu, S. Djur, Institute of Microbiology and Biotechnology, Chisinau	<i>Spirulina platensis</i> 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

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101	I. Zinicovscaia	M. Shammam, 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 electrospon 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
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
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116	A.M. Sukhovoј, 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
117	Sukhovoј 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 $^{94}\text{Nb}$ Using the $^{93}\text{Nb}(n\text{th},2\gamma)$ Reaction	Nuclear Physics A, Vol.993, January 2020, 121645	DOI: <a href="https://doi.org/10.1016/j.nuclphysa.2019.121645">10.1016/j.nuclphysa.2019.121645</a>	1.436
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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		
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