

# Sergey E Kichanov

## List of Publications by Year in descending order

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152  
papers

1,508  
citations

361413

20  
h-index

501196

28  
g-index

152  
all docs

152  
docs citations

152  
times ranked

1543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic phase diagram, phase transitions, and cation distribution in $Pb_{1-x}Ba_x(Fe_{0.5}Nb_{0.5})O_3$ perovskites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 278, 115627.	3.5	0
2	Non-destructive neutron structural studies of ancient ceramic fragments of the cultural heritage of the Republic of Kazakhstan. <i>Eurasian Journal of Physics and Functional Materials</i> , 2022, 6, 56-70.	0.6	3
3	High pressure enhanced magnetic ordering and magnetostructural coupling in the geometrically frustrated spinel $Mn_4O_4$ . <i>Physical Review B</i> , 2022, 105, .	3.3	3
4	Neutron Tomography Studies of Two Lamprophyre Dike Samples: 3D Data Analysis for the Characterization of Rock Fabric. <i>Journal of Imaging</i> , 2022, 8, 80.	3.0	0
5	Pressure tuning of magnetic states in elemental thulium. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 560, 169662.	2.3	0
6	Unraveling the nature of Fe-doping mediated inter- and intra-chain interactions in $Ca_3Co_2O_6$ . <i>Journal of Alloys and Compounds</i> , 2021, 851, 156897.	5.5	9
7	New neutron imaging facility at the WWR-SM reactor: Design and first results. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 989, 164959.	1.6	6
8	Strong Impact of Cr Doping on Structural and Magnetic Properties of $Bi_{0.5}La_{0.5}Fe_{1-x}Cr_xO_3$ . <i>Journal of Electronic Materials</i> , 2021, 50, 1340-1348.	2.2	0
9	Emergent Magnetic Phases in Pressure-Tuned van der Waals Antiferromagnet $FePS_3$ . <i>Physical Review X</i> , 2021, 11, .	8.9	36
10	Studies of ancient pottery fragments from Dobrudja region of Romania using neutron diffraction, tomography and Raman spectroscopy. <i>Journal of Archaeological Science: Reports</i> , 2021, 35, 102755.	0.5	6
11	High-Pressure Neutron Diffraction Study of the Crystal and Magnetic Structure of Materials at the Pulsed Reactor IBR-2: Current Opportunities and Prospects. <i>Crystallography Reports</i> , 2021, 66, 303-313.	0.6	13
12	Pressure-induced structural transition and antiferromagnetism in elemental terbium. <i>Physical Review Materials</i> , 2021, 5, .	2.4	2
13	Spin-induced negative thermal expansion and spin-phonon coupling in van der Waals material $CrBr_3$ . <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	29
14	Modern Methods of Neutron Radiography and Tomography in Studies of the Internal Structure of Objects. <i>Crystallography Reports</i> , 2021, 66, 254-266.	0.6	18
15	Competing magnetic states in multiferroic $BaYFe_4O_{14}$ : A high magnetic field study. <i>Physical Review Materials</i> , 2021, 5, .	2.4	3
16	The crystal and magnetic structure of nanostructured manganite $La_{0.53}Sr_{0.47}MnO_3$ at high pressure. <i>Materials Chemistry and Physics</i> , 2021, 262, 124310.	4.0	2
17	Spatial distribution of graphite in cement materials used for radioactive waste conditioning: An approach to analysis of neutron tomography data. <i>Cement and Concrete Composites</i> , 2021, 119, 103993.	10.7	7
18	Pressure-induced structural phase transitions in bismuth tungstate $Bi_2WO_6$ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 488-494.	1.1	0

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19	Assessment of structural, magnetic, and P-wave velocity anisotropy of two biotite gneisses from X-ray and neutron tomography. <i>Tectonophysics</i> , 2021, 812, 228925.	2.2	4
20	Phase Composition and Its Spatial Distribution in Antique Copper Coins: Neutron Tomography and Diffraction Studies. <i>Journal of Imaging</i> , 2021, 7, 129.	3.0	9
21	Implementation of capillary penetration coefficient on water sorptivity for porous building materials: An experimental study. <i>Construction and Building Materials</i> , 2021, 298, 123758.	7.2	2
22	High pressure effects on the crystal and magnetic structure of 160Gd metal. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 540, 168485.	2.3	4
23	Structural Studies of the Qarakhanid Dirham Using X-Ray Diffraction and Neutron Tomography Methods. <i>Journal of Surface Investigation</i> , 2021, 15, 1232-1237.	0.5	2
24	A comparative study of promising filter materials for neutron imaging facilities. <i>Eurasian Journal of Physics and Functional Materials</i> , 2021, 5, 169-180.	0.6	4
25	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. <i>Chemical Physics</i> , 2020, 528, 110541.	1.9	5
26	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. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 494, 165801.	2.3	3
27	Structure and magnetic properties of YCo <sub>5</sub> compound at high pressures. <i>Journal of Materials Science and Technology</i> , 2020, 42, 106-112.	10.7	6
28	New neutron radiography and tomography facility TITAN at the WWR-K reactor. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 982, 164572.	1.6	10
29	A high pressure effect on the vibrational spectra of ranitidine hydrochloride. <i>Journal of Molecular Structure</i> , 2020, 1218, 128515.	3.6	0
30	Exploring the molecular reorientations in amorphous rosuvastatin calcium. <i>RSC Advances</i> , 2020, 10, 33585-33594.	3.6	4
31	The structure of scleractinian coral skeleton analyzed by neutron diffraction and neutron computed tomography. <i>Scientific Reports</i> , 2020, 10, 12869.	3.3	4
32	High pressure effects on the crystal and magnetic structures of Co <sub>3</sub> O <sub>4</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 508, 166874.	2.3	8
33	Studies of Coins of Medieval Volga Bulgaria by Neutron Diffraction and Tomography. <i>Journal of Surface Investigation</i> , 2020, 14, 376-381.	0.5	7
34	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. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	1
35	Penetration of water into cracked geopolymer mortars by means of neutron radiography. <i>Construction and Building Materials</i> , 2020, 256, 119471.	7.2	6
36	The Reconstruction of a Bronze Battle Axe and Comparison of Inflicted Damage Injuries Using Neutron Tomography, Manufacturing Modeling, and X-ray Microtomography Data. <i>Journal of Imaging</i> , 2020, 6, 45.	3.0	6

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37	Non-Destructive and Micro-Invasive Techniques for Characterizing the Ancient Roman Mosaic Fragments. Applied Sciences (Switzerland), 2020, 10, 3781.	2.5	18
38	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, 2020, 17, 73-78.	0.4	4
39	The Use of Modern Physical Methods of Instrumental Analytics in the Study of Stromatolites. Paleontological Journal, 2020, 54, 936-945.	0.5	0
40	Structural, magnetic and electronic properties of Ti-doped BaFeO <sub>3</sub> - exhibiting colossal dielectric permittivity. Journal of Alloys and Compounds, 2019, 808, 151760.	5.5	16
41	Structural evolution of luminescence nanoparticles with rare-earth ions in the oxyfluoride glass ceramics. Materials Chemistry and Physics, 2019, 237, 121830.	4.0	8
42	Concept of a Facility of Neutron Radiography and Tomography at the Research Reactor WWR-K in Almaty, Kazakhstan. Journal of Surface Investigation, 2019, 13, 877-879.	0.5	7
43	A structural insight into the Chelyabinsk meteorite: neutron diffraction, tomography and Raman spectroscopy study. SN Applied Sciences, 2019, 1, 1.	2.9	8
44	Nanocrystalline Features of Structure and Luminescent Properties of (Y <sub>1-x</sub> La <sub>x</sub> ) <sub>3</sub> (Al <sub>1-y</sub> Ga <sub>y</sub> ) <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> Garnets. International Journal of Nanoscience, 2019, 18, 1940070.	0.7	0
45	Structure and Luminescence Properties of (Y <sub>1-x</sub> La <sub>x</sub> ) <sub>3</sub> (Al <sub>1-y</sub> Ga <sub>y</sub> ) <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> Substituted Garnets. Inorganic Materials, 2019, 55, 820-826.	0.8	3
46	The crystal and magnetic structures of the ordered perovskite Pb <sub>2</sub> FeSbO <sub>6</sub> studied by neutron diffraction and Mössbauer spectroscopy. Journal of Magnetism and Magnetic Materials, 2019, 477, 334-339.	2.3	8
47	Ice Melting Kinetics in Sand-Water Mixtures Investigated by Neutron Radiography and Diffraction. Journal of Cold Regions Engineering - ASCE, 2019, 33, 04019003.	1.1	2
48	Possibilities, Limitations, and Prospects of Using Neutron Tomography and Radiography for Preservation of Archaeological Heritage Objects. Crystallography Reports, 2019, 64, 177-180.	0.6	4
49	Pressure-induced spin state crossover in layered cobaltite LaSrCoO <sub>4</sub> . Journal of Magnetism and Magnetic Materials, 2019, 487, 165360.	2.3	2
50	Structural and magnetic properties of YCo <sub>4</sub> B compound at high pressures. Intermetallics, 2019, 110, 106489.	3.9	2
51	Crystal structure and vibrational spectra of hexagonal manganites YMnO <sub>3</sub> and LuMnO <sub>3</sub> under high pressure. Materials Research Express, 2019, 6, 086110.	1.6	12
52	Magnetic and electronic properties of magnetite across the high pressure anomaly. Scientific Reports, 2019, 9, 4464.	3.3	19
53	Combined magnetic and structural characterization of hydrothermal bismuth ferrite (BiFeO <sub>3</sub> ) nanoparticles. Science of Sintering, 2019, 51, 71-79.	1.4	1
54	Structural studies of nanoparticles doped with rare-earth ions in oxyfluoride lead-silicate glasses. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	6

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55	Colloidal chemical synthesis, structural and luminescent properties of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :Ce <sup>3+</sup> phosphors. Journal of Alloys and Compounds, 2018, 749, 511-516.	5.5	3
56	Coexistence of charge density wave and incommensurate antiferromagnetism in the cubic phase of DyGe <sub>2.85</sub> synthesised under high pressure. Journal of Alloys and Compounds, 2018, 755, 10-14.	5.5	2
57	Neutron diffraction study of the pressure and temperature dependence of the crystal and magnetic structures of Zn <sub>0.3</sub> Cu <sub>0.7</sub> Fe <sub>1.5</sub> Ga <sub>0.5</sub> O <sub>4</sub> polycrystalline ferrite. Journal of Magnetism and Magnetic Materials, 2018, 449, 44-48.	2.3	5
58	Features of the Crystal Structure and Vibrational Spectra of Ba <sub>1.65</sub> Sr <sub>3.35</sub> Nb <sub>10</sub> O <sub>30</sub> Ba <sub>4</sub> Na <sub>2</sub> Nb <sub>10</sub> O <sub>30</sub> Barium-Strontium Niobates with the Structure of Tetragonal Tungsten Bronze. Journal of Surface Investigation, 2018, 12, 1149-1154.	0.5	4
59	Investigation of the magnetic order in the spin-chain compound $CaMn_3O_7$ . Journal of Surface Investigation, 2018, 12, 1149-1154.	3.2	20
60	Crystal and Magnetic Structures of Granular Powder Spinel Mn <sup>2+</sup> -Zn and Ni <sup>2+</sup> -Zn Ferrites. Physics of the Solid State, 2018, 60, 1727-1732.	0.6	5
61	Effect of Fe doping on structure, magnetic and electrical properties La <sub>0.7</sub> Ca <sub>0.3</sub> Mn <sub>0.5</sub> Fe <sub>0.5</sub> O <sub>3</sub> manganite. Ceramics International, 2018, 44, 14974-14979.	4.8	25
62	A neutron tomography study of the Seymchan pallasite. Meteoritics and Planetary Science, 2018, 53, 2155-2164.	1.6	12
63	Spin-induced multiferroicity in the binary perovskite manganite Mn <sub>2</sub> O <sub>3</sub> . Nature Communications, 2018, 9, 2996.	12.8	38
64	Magnetotransport properties and phase separation in iron substituted lanthanum-calcium manganite. Materials Research Express, 2018, 5, 086108.	1.6	13
65	Effect of Fe doping on structure and magnetotransport properties of perovskite manganite. European Physical Journal Plus, 2018, 133, 1.	2.6	9
66	Studies of Ancient Russian Cultural Objects Using the Neutron Tomography Method. Journal of Imaging, 2018, 4, 25.	3.0	15
67	A Study of the Chemical Composition of the 3rd Century AD Bosphoran Billon Staters by XRF-Analysis, Neutron Tomography and Diffraction. Journal of Surface Investigation, 2018, 12, 114-117.	0.5	11
68	The DN-6 Neutron Diffractometer for High-Pressure Research at Half a Megabar Scale. Crystals, 2018, 8, 331.	2.2	45
69	Modeling of the focusing device and the elliptical neutron guide for the DN-6 diffractometer at IBR-2 reactor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 892, 48-52.	1.6	3
70	High Pressure Raman Study of Layered Semiconductor TlGaSe <sub>2</sub> . Materials Science-Poland, 2018, 36, 203-208.	1.0	18
71	Revealing the Formation Mechanism and Effect of Pressure on the Magnetic Order of Multiferroic BiMn <sub>2</sub> O <sub>5</sub> Through Neutron Powder Diffraction. Journal of Electronic Materials, 2017, 46, 3373-3380.	2.2	9
72	Anomalous lattice compression and magnetic ordering in CuO at high pressures: A structural study and first-principles calculations. Physical Review B, 2017, 95, .	3.2	10

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73	Core-Shell Magnetic Structure of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_{3+\delta}$ Nanocrystallites. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	2
74	Structural and Magnetic Transitions in $\text{CaCo}_3\text{V}_4\text{O}_{12}$ Perovskite at Extreme Conditions. Inorganic Chemistry, 2017, 56, 6251-6263.	4.0	12
75	Magnetic and structural properties of $\text{FeC}_2\text{O}_3$ at high pressures. Physical Review B, 2017, 96, .	3.2	13
76	Structural and magnetic properties of $\text{Cr}_2\text{O}_3$ at high pressure. Journal of Alloys and Compounds, 2017, 722, 593-598.	5.5	27
77	An intermediate antipolar phase in $\text{NaNbO}_3$ under compression. Ferroelectrics, 2017, 520, 22-33.	0.6	8
78	Crystal structure and magnetic behaviour of $\text{DyCo}_2$ compound at high pressures. Journal of Alloys and Compounds, 2017, 724, 1184-1191.	5.5	13
79	Analysis of the internal structure of ancient copper coins by neutron tomography. Journal of Surface Investigation, 2017, 11, 585-589.	0.5	9
80	The structural, magnetic and vibrational properties of Ti-doped $\text{BaMnO}_3$ . Journal of Alloys and Compounds, 2017, 695, 2539-2548.	5.5	26
81	Effect of high pressure on charge density wave formation and magnetic structure in the cubic high-pressure phase of $\text{TbGe}_2\text{O}_8$ . Physical Review B, 2016, 94, .	3.2	1
82	Dielectric relaxation in magnetoelectric composite $0.85\text{BiFeO}_3\text{-}0.15\text{MgFe}_2\text{O}_4$ . Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 1092-1096.	0.6	1
83	Charge-ordering transition in iron oxide $\text{Fe}_4\text{O}_5$ involving competing dimer and trimer formation. Nature Chemistry, 2016, 8, 501-508.	13.6	54
84	Neutron-diffraction study of the crystal structure of $\text{BaTiO}_3$ ferroelectric doped with iron. Journal of Surface Investigation, 2016, 10, 370-374.	0.5	2
85	Neutron radiography and tomography facility at IBR-2 reactor. Physics of Particles and Nuclei Letters, 2016, 13, 346-351.	0.4	33
86	Pressure induced antiferromagnetism in the manganite $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{0.83}\text{Nb}_{0.17}\text{O}_3$ . Journal of Alloys and Compounds, 2016, 681, 527-531.	5.5	9
87	Study of silicate glasses with $\text{PbS}$ nanoparticles using small-angle neutron scattering. Journal of Surface Investigation, 2016, 10, 187-190.	0.5	2
88	Structural, magnetic and vibrational properties of multiferroic $\text{GaFeO}_3$ at high pressure. Journal of Alloys and Compounds, 2016, 684, 352-358.	5.5	25
89	Crystal structure, magnetic properties and conductivity mechanisms of $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{0.5}\text{Fe}_{0.5}\text{O}_3$ . Ferroelectrics, 2016, 501, 129-144.	0.6	7
90	Features of the electrical resistance in magnetoelectric ceramics $(1-x)\text{BiFeO}_3\text{-}x\text{MgFe}_2\text{O}_4$ . Ferroelectrics, 2016, 501, 114-121.	0.6	0

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91	Structural Polymorphism of Mn-Doped BaTiO <sub>3</sub> . Journal of Electronic Materials, 2016, 45, 2477-2483.	2.2	24
92	Structural and magnetic properties of Ca <sub>1.5</sub> La <sub>0.5</sub> FeMoO <sub>6</sub> perovskite at high pressures. Journal of Alloys and Compounds, 2016, 664, 363-368.	5.5	0
93	Competing magnetic and structural states in multiferroic $YMn_2O_5$ . Physical Review B, 2015, 92, .	3.2	38
94	Incommensurate antiferromagnetism induced by a charge density wave in the cubic phase of TbGe <sub>2</sub> . Physical Review B, 2015, 92, .	3.2	7
95	The Neutron Tomography Studies of the Rocks from the Kola Superdeep Borehole. Physics Procedia, 2015, 69, 537-541.	1.2	7
96	The Pressure-Induced Polymorphic Transformations in Fluconazole. Journal of Pharmaceutical Sciences, 2015, 104, 4164-4169.	3.3	11
97	Role of Surface on Magnetic Properties of $La_{1-x}Sr_xMnO_3$ Nanocrystallites. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	8
98	Crystal Structure and Optical Properties of Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> Obtained by a Colloidal Chemical Synthesis Method. Journal of Applied Spectroscopy, 2015, 81, 1048-1055.	0.7	5
99	High pressure effects on the crystal and magnetic structure of nanostructured manganites La <sub>0.63</sub> Sr <sub>0.37</sub> MnO <sub>3</sub> and La <sub>0.72</sub> Sr <sub>0.28</sub> MnO <sub>3</sub> . Journal of Alloys and Compounds, 2015, 646, 998-1003.	5.5	15
100	Sequential Cobalt Magnetization Collapse in ErCo <sub>2</sub> : Beyond the Limits of Itinerant Electron Metamagnetism. Scientific Reports, 2015, 5, 8620.	3.3	31
101	High-pressure effect on the chain-like crystal structure of the semiconductors $TlFeSe_2$ and $TlFeS_2$ . Modern Physics Letters B, 2015, 29, 1550024.	1.9	5
102	Neutron Radiography Facility at IBR-2 High Flux Pulsed Reactor: First Results. Physics Procedia, 2015, 69, 87-91.	1.2	25
103	Suppression of the antiferromagnetic state in La <sub>0.82</sub> Ba <sub>0.18</sub> CoO <sub>3</sub> cobaltite at high pressure. JETP Letters, 2015, 101, 820-824.	1.4	3
104	The Polymorphic Phase Transformations in the Chlorpropamide under Pressure. Journal of Pharmaceutical Sciences, 2015, 104, 81-86.	3.3	12
105	Magnetic and transport properties of Ca <sub>1.5</sub> La <sub>0.5</sub> FeMo <sub>1-x</sub> W <sub>x</sub> O <sub>6</sub> perovskites. Journal of Alloys and Compounds, 2015, 621, 71-77.	5.5	4
106	Nanoformation in doped silicate glass and its fractal dimensions. Nuclear Physics and Atomic Energy, 2015, 16, 152-156.	0.5	1
107	Pressure-induced antiferromagnet-ferromagnet transition and a change in the spin state of Co in La <sub>0.5</sub> Ba <sub>0.5</sub> CoO <sub>2.8</sub> . JETP Letters, 2014, 100, 380-384.	1.4	5
108	The pressure effect on crystal structure of complex ferroelectrics Ba <sub>4</sub> Sm <sub>2</sub> Fe <sub>2</sub> Nb <sub>8</sub> O <sub>30</sub> and Ba <sub>4</sub> Gd <sub>2</sub> Fe <sub>2</sub> Nb <sub>8</sub> O <sub>30</sub> . Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, 731-734.	0.8	4

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109	Studying the structural features of oxide nanoclusters of cerium and titanium in a silicate glass by means of the small-angle neutron scattering. Journal of Surface Investigation, 2014, 8, 98-103.	0.5	5
110	Structural aspects of the antiferroelectric-paraelectric phase transition in double perovskite Pb <sub>2</sub> MgWO <sub>6</sub> at high pressures and temperatures. Physics of the Solid State, 2014, 56, 765-770.	0.6	5
111	Magnetic properties, electronic structures and pressure effects of HoxY <sub>1-<math>x</math></sub> Co <sub>2</sub> compounds. Journal of Alloys and Compounds, 2014, 584, 393-401.	5.5	10
112	Structural polymorphism in multiferroic BiMnO <sub>3</sub> at high pressures and temperatures. Journal of Alloys and Compounds, 2014, 585, 741-747.	5.5	28
113	The structural and luminescent properties of Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> /Lu <sub>2</sub> O <sub>3</sub> crystal phosphors prepared by colloid chemical synthesis. Journal of Alloys and Compounds, 2014, 613, 238-243.	5.5	7
114	Pressure-induced polar phases in relaxor multiferroic $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$ . Journal of Alloys and Compounds, 2014, 613, 238-243.	3.2	24
115	Neutron and Optical Researches of Multicomponent Crystalline Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> /Lu <sub>2</sub> O <sub>3</sub> and Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> /Lu <sub>2</sub> O <sub>3</sub> luminophors. Ukrainian Journal of Physics, 2014, 59, 901-905.	0.2	0
116	Investigation of structural features of the Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> : Ce <sup>3+</sup> /Lu <sub>2</sub> O <sub>3</sub> crystal phosphors formed by the colloidal chemical method. Physics of the Solid State, 2013, 55, 813-820.	0.6	14
117	Structural and magnetic phase transitions occurring in Pr <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> manganite at high pressures. JETP Letters, 2013, 97, 540-545.	1.4	7
118	Pressure-induced structural transformations, orbital order and antiferromagnetism in La <sub>0.75</sub> Ca <sub>0.25</sub> MnO <sub>3</sub> . European Physical Journal B, 2013, 86, 1.	1.5	16
119	Pressure effect on the magnetic order of LuFe <sub>2</sub> O <sub>4</sub> . Applied Physics Letters, 2013, 103, 082907.	3.3	6
120	Changes in the crystalline structure of chlorpropamide at high pressures and temperatures. Journal of Surface Investigation, 2013, 7, 1143-1147.	0.5	2
121	A multisectional annular thermal-neutron detector for the study of diffraction on microsamples in axial geometry. Physics of Particles and Nuclei Letters, 2013, 10, 436-441.	0.4	10
122	Effect of high pressure on the crystal structure, magnetic, and vibrational properties of multiferroic RbFe(MoO <sub>4</sub> ) <sub>2</sub> Tj. $\frac{ETQq}{0 \ 0 \ rgBT} \cdot \frac{10 \ Tf}{50 \ 227 \ Td}$ Applied Physics Letters, 2013, 103, 082907.	3.2	12
123	Magnetic properties of TbCo <sub>2</sub> compound at high pressures. Journal of Alloys and Compounds, 2013, 551, 702-710.	5.5	18
124	High pressure effect on the crystal and magnetic structure of Pr <sub>0.1</sub> Sr <sub>0.9</sub> MnO <sub>3</sub> manganite. Journal of Surface Investigation, 2012, 6, 817-820.	0.5	1
125	Structural changes in chlorpropamide at high pressure. Journal of Surface Investigation, 2012, 6, 951-953.	0.5	6
126	Pressure-induced change in the order of the phase transition in lead titanate: Structural aspects. Surface Engineering and Applied Electrochemistry, 2012, 48, 69-73.	0.8	10



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127	Structural studies of the P-T phase diagram of sodium niobate. Journal of Surface Investigation, 2012, 6, 546-551.	0.5	16
128	Pressure-induced change in the magnetic ordering of TbMnO <sub>3</sub> . Physical Review B, 2011, 84, .	3.2	25
129	Effect of high pressure on the crystal and magnetic structure and on the raman spectra in Pr <sub>0.7</sub> Ba <sub>0.3</sub> MnO <sub>3</sub> manganite. JETP Letters, 2011, 94, 579-584.	1.4	9
130	The polymorphic phase transformations in resorcinol at high pressure. Journal of Molecular Structure, 2011, 1006, 337-343.	3.6	12
131	Study of crystal and magnetic structures of manganite Pr <sub>0.7</sub> Ba <sub>0.3</sub> MnO <sub>3</sub> at high pressure. Physics of Particles and Nuclei Letters, 2011, 8, 1063-1065.	0.4	1
132	Study of the P-T phase diagram of pyridinium perchlorate by X-ray diffraction and Raman spectroscopy. Journal of Surface Investigation, 2011, 5, 611-618.	0.5	3
133	High-pressure effect on the ferroelectric-paraelectric transition in PbTiO <sub>3</sub> . Physics of the Solid State, 2011, 53, 2300-2304.	0.6	32
134	The studies of structural aspects of the cluster formation in silicate glasses doped with cerium and titanium oxides by small-angle neutron scattering. Physics of the Solid State, 2011, 53, 2431-2434.	0.6	5
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