

# Ivan A Bobrikov

## List of Publications by Year in descending order

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136  
papers

2,307  
citations

236925

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276875

41  
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136  
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136  
docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Crystal structure and magnetic properties of the BaFe <sub>12-x</sub> Al <sub>x</sub> O <sub>19</sub> (x=0.1-1.2) solid solutions. Journal of Magnetism and Magnetic Materials, 2015, 393, 253-259.	2.3	287
2	Structural phase transition in CuFe <sub>2</sub> O <sub>4</sub> spinel. Crystallography Reports, 2013, 58, 710-717.	0.6	90
3	Investigation of the crystal and magnetic structures of BaFe <sub>12-x</sub> Al <sub>x</sub> O <sub>19</sub> solid solutions (x = 0.1-1.2). Crystallography Reports, 2015, 60, 629-635.	0.6	89
4	Study of the crystalline and magnetic structures of BaFe <sub>11.4</sub> Al <sub>0.6</sub> O <sub>19</sub> in a wide temperature range. Journal of Surface Investigation, 2015, 9, 17-23.	0.5	86
5	Phase transitions as a tool for tailoring magnetostriction in intrinsic Fe-Ga composites. Acta Materialia, 2017, 130, 229-239.	7.9	71
6	High moisture resistance of an efficient Mn <sup>4+</sup> -activated red phosphor Cs <sub>2</sub> NbOF <sub>5</sub> :Mn <sup>4+</sup> for WLEDs. Chemical Engineering Journal, 2021, 405, 126678.	12.7	61
7	In situ neutron diffraction study of bulk phase transitions in Fe-27Ga alloys. Materials and Design, 2016, 98, 113-119.	7.0	55
8	Structural evolution in LiFePO <sub>4</sub> -based battery materials: In-situ and ex-situ time-of-flight neutron diffraction study. Journal of Power Sources, 2014, 258, 356-364.	7.8	52
9	Study of structural and electrochemical characteristics of LiNi <sub>0.33</sub> Mn <sub>0.33</sub> Co <sub>0.33</sub> O <sub>2</sub> electrode at lithium content variation. Journal of Electroanalytical Chemistry, 2018, 821, 140-151.	3.8	47
10	Correlation Fourier diffractometry: 20 Years of experience at the IBR-2 reactor. Physics of Particles and Nuclei, 2015, 46, 249-276.	0.7	42
11	Li(Ni,Co,Al)O <sub>2</sub> Cathode Delithiation: A Combination of Topological Analysis, Density Functional Theory, Neutron Diffraction, and Machine Learning Techniques. Journal of Physical Chemistry C, 2017, 121, 28293-28305.	3.1	41
12	Biochemical changes in cyanobacteria during the synthesis of silver nanoparticles. Canadian Journal of Microbiology, 2015, 61, 13-21.	1.7	40
13	Correlation of chemical coordination and magnetic ordering in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$		

#	ARTICLE	IF	CITATIONS
19	Comparative study of structural phase transitions in bulk and powdered Fe <sup>27</sup> Ga alloy by real-time neutron thermodiffraction. Journal of Applied Crystallography, 2017, 50, 198-210.	4.5	30
20	Crystal structure, phase transition, and magnetic ordering in perovskitelike $\text{Pb}_{2-x}\text{Mn}_x\text{M}_2\text{O}_{10}$ (M = Al, Ga, Ge). Physical Review B, 2008, 78, .	3.2	29
21	Enhancing lithium-ion conductivity in NASICON glass-ceramics by adding yttria. CrystEngComm, 2018, 20, 1375-1382.	2.6	29
22	Phase transition induced anelasticity in Fe <sup>27</sup> Ga alloys with 25 and 27%Ga. Journal of Alloys and Compounds, 2016, 675, 393-398.	5.5	27
23	Neutron diffractometer for real-time studies of transient processes at the IBR-2 pulsed reactor. Journal of Surface Investigation, 2016, 10, 467-479.	0.5	27
24	Antiphase domains or dispersed clusters? Neutron diffraction study of coherent atomic ordering in Fe <sub>3</sub> Al-type alloys. Acta Materialia, 2018, 153, 45-52.	7.9	26
25	Neutron scattering for analysis of processes in lithium-ion batteries. Russian Chemical Reviews, 2014, 83, 1120-1134.	6.5	25
26	Tb-dependent phase transitions in Fe-Ga functional alloys. Intermetallics, 2018, 93, 55-62.	3.9	25
27	Structure induced anelasticity in Fe <sub>3</sub> Me (Me = Al, Ga, Ge) alloys. Journal of Alloys and Compounds, 2016, 688, 310-319.	5.5	24
28	Features of crystal and magnetic structures of solid solutions BaFe <sub>12-x</sub> D <sub>x</sub> O <sub>19</sub> (D = Al <sup>3+</sup> , In <sup>3+</sup> ; x = 0.1) in a wide temperature range. European Physical Journal Plus, 2016, 131, 1.	2.6	24
29	Time-Temperature-Transformation from metastable to equilibrium structure in Fe-Ga. Materials Letters, 2020, 263, 127257.	2.6	22
30	Bottle-necked ionic transport in Li <sub>2</sub> ZrO <sub>3</sub> : high temperature neutron diffraction and impedance spectroscopy. Electrochimica Acta, 2016, 209, 574-581.	5.2	21
31	A novel Mn <sup>4+</sup> -activated fluoride red phosphor Cs <sub>30</sub> (Nb <sub>2</sub> O <sub>2</sub> F <sub>9</sub> ) <sub>9</sub> (OH) <sub>3</sub> ·H <sub>2</sub> O·Mn <sup>4+</sup> with good waterproof stability for WLEDs. Journal of Materials Chemistry C, 2022, 10, 7049-7057.	4.7	11
32	Disordering effects in the atomic structure of fine-crystalline HTSC YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> . Journal of Experimental and Theoretical Physics, 2012, 114, 1001-1011.	0.9	20
33	High-resolution neutron Fourier diffractometer at the IBR-2 pulsed reactor: A new concept. Nuclear Instruments & Methods in Physics Research B, 2018, 436, 263-271.	1.4	20
34	High-resolution neutron diffraction study of microstructural changes in nanocrystalline ball-milled niobium carbide NbC <sub>0.93</sub> . Materials Characterization, 2015, 109, 173-180.	4.4	19
35	Phase transitions in Fe- <sup>27</sup> Ga alloys: Guidance to develop functionality. Intermetallics, 2018, 100, 20-26.	3.9	19
36	In situ studies of atomic ordering in Fe- <sup>19</sup> Ga type alloys. Intermetallics, 2019, 105, 6-12.	3.9	19

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37	High damping in Fe-Ga-La alloys: Phenomenological model for magneto-mechanical hysteresis damping and experiment. <i>Journal of Materials Science and Technology</i> , 2021, 72, 69-80.	10.7	19
38	Neutron diffraction study of nanocrystalline NbC <sub>0.93</sub> powders and the anisotropy of deformation distortions. <i>JETP Letters</i> , 2015, 100, 629-634.	1.4	18
39	Magnetostructural phase transitions in NiO and MnO: Neutron diffraction data. <i>JETP Letters</i> , 2016, 104, 88-93.	1.4	18
40	Anelasticity of iron-aluminide Fe <sub>3</sub> Al type single and polycrystals. <i>Journal of Alloys and Compounds</i> , 2018, 746, 660-669.	5.5	17
41	From metastable to stable structure: the way to construct functionality in Fe-27Ga alloy. <i>Journal of Alloys and Compounds</i> , 2018, 751, 364-369.	5.5	17
42	Comparative study of structure and phase transitions in Fe-(25-27)%Ga alloys. <i>Journal of Alloys and Compounds</i> , 2019, 811, 152030.	5.5	17
43	Volume effect upon martensitic transformation in Ti <sub>29.7</sub> Ni <sub>50.3</sub> Hf <sub>20</sub> high temperature shape memory alloy. <i>Scripta Materialia</i> , 2020, 178, 67-70.	5.2	17
44	Concentration-dependent structural transition in the La <sub>0.70</sub> Sr <sub>0.30</sub> MnO <sub>3</sub> system. <i>JETP Letters</i> , 2006, 84, 254-257.	1.4	16
45	The first- and second-order isothermal phase transitions in Fe <sub>3</sub> Ga-type compounds. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 1024-1033.	1.1	16
46	Stabilization of bcc-born phases in Fe-27Ga by adding Tb: Comparative in situ neutron diffraction study. <i>Materials Letters</i> , 2016, 181, 67-70.	2.6	15
47	Mechanical spectroscopy as an in situ tool to study first and second order transitions in metastable Fe-Ga alloys. <i>Journal of Alloys and Compounds</i> , 2019, 790, 1149-1156.	5.5	15
48	First- and second-order phase transitions in Fe-(17-19)at.%Ga alloys. <i>Materials Letters</i> , 2020, 279, 128508.	2.6	15
49	V <sub>8</sub> C <sub>7</sub> superstructure in nonstoichiometric vanadium carbide powders. <i>JETP Letters</i> , 2015, 102, 154-160.	1.4	14
50	The role of glass crystallization processes in preparation of high Li-conductive NASICON-type ceramics. <i>CrystEngComm</i> , 2019, 21, 3106-3115.	2.6	14
51	Hydrogen diffusivity in the Sr-doped LaScO <sub>3</sub> proton-conducting oxides. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 23455-23468.	7.1	14
52	Thermal expansion of martensite in Ti <sub>29.7</sub> Ni <sub>50.3</sub> Hf <sub>20</sub> shape memory alloy. <i>Intermetallics</i> , 2020, 125, 106889.	3.9	14
53	Unraveling the Synergistic Effect of Mg and Ti Codoping to Realize an Ordered Structure and Excellent Performance for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 7869-7877.	8.0	14
54	Low-temperature structural anomalies in Pr <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> . <i>JETP Letters</i> , 2011, 93, 263-268.	1.4	13

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55	Approaching better cycleability of LiCoPO <sub>4</sub> by vanadium modification. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 213, 105-113.	3.5	13
56	Abnormal phase-separated state of Li Ni <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> in the first charge: Effect of electrode compaction. <i>Electrochimica Acta</i> , 2018, 265, 726-735.	5.2	13
57	Nanocrystalline ordered vanadium carbide: Superlattice and nanostructure. <i>Superlattices and Microstructures</i> , 2016, 90, 148-164.	3.1	12
58	The effect of oxygen isotope substitution on the phase diagram of nearly half-doped R <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> manganites (R = Sm, NdTb, NdEu). <i>Journal of Physics Condensed Matter</i> , 2005, 17, 1975-1984.	1.8	11
59	Synthesis, structure and magnetic ordering of the mullite-type Bi <sub>2</sub> Fe <sub>4</sub> Cr <sub>x</sub> O <sub>9</sub> solid solutions with a frustrated pentagonal Cairo lattice. <i>Dalton Transactions</i> , 2016, 45, 1192-1200.	3.3	11
60	Structure of the Fe-Mn-Si alloys submitted to $\hat{\mu}$ thermocycling. <i>Materials Characterization</i> , 2018, 141, 223-228.	4.4	11
61	Neutron diffraction and Mössbauer spectroscopy studies for Ce doped CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 503, 166624.	2.3	11
62	Effect of thermal cycling on microstructure and damping capacity of Fe <sub>26</sub> Mn <sub>4</sub> Si alloy. <i>Materials Characterization</i> , 2020, 159, 110001.	4.4	10
63	High-Temperature Behavior, Oxygen Transport Properties, and Electrochemical Performance of Cu-Substituted Nd <sub>1.6</sub> Ca <sub>0.4</sub> NiO <sub>4</sub> $\hat{\mu}$ Electrode Materials. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3747.	2.5	10
64	Structural investigation of anion-deficient manganites La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> $\hat{\mu}$ . <i>Crystallography Reports</i> , 2007, 52, 805-810.	0.6	9
65	Neutron scattering study of structural and magnetic size effects in NiO. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013, 49, 012021.	0.6	9
66	Coherent cluster atomic ordering in the Fe-27Al intermetallic compound. <i>JETP Letters</i> , 2016, 104, 539-545.	1.4	9
67	Structural investigation of chemically synthesized ferrite magnetic nanomaterials. <i>Journal of Molecular Structure</i> , 2018, 1160, 447-454.	3.6	9
68	Anelasticity of Phase Transitions and Magnetostriction in Fe-(27-28%)Ga Alloys. <i>Materials Research</i> , 2018, 21, .	1.3	9
69	Anomalous Behavior of an $\hat{\mu}$ Phase Transition in Iron: Results of In Situ Neutron Diffraction Experiment. <i>JETP Letters</i> , 2018, 107, 558-563.	1.4	9
70	Effects of Ordering in Fe-xAl Alloys. <i>JETP Letters</i> , 2019, 110, 585-591.	1.4	9
71	Correlation between synthesis and physical properties of magnesium ferrite. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 223-229.	2.4	9
72	Temperature evolution of Fe <sub>27</sub> Ga structure: comparison of <i>in situ</i> X-ray and neutron diffraction studies. <i>Journal of Applied Crystallography</i> , 2020, 53, 1343-1352.	4.5	9

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73	Crystal Structure and Electrochemistry of Na <sub>2-x</sub> Li <sub>x</sub> FePO <sub>4</sub> F (0 < x <= 1) New Cathode Materials for Na- and Li-Ion Batteries. ECS Transactions, 2014, 62, 67-78.	0.5	8
74	Neutron diffraction study of microstructural and magnetic effects in fine particle NiO powders. Physica Status Solidi (B): Basic Research, 2016, 253, 1529-1536.	1.5	8
75	Tuning the high-temperature properties of Pr <sub>2</sub> NiO <sub>4+δ</sub> by simultaneous Pr- and Ni-cation replacement. RSC Advances, 2016, 6, 33951-33958.	3.6	8
76	Peculiarities of structure, morphology, and electrochemistry of the doped 5-V spinel cathode materials LiNi <sub>0.5-x</sub> Mn <sub>1.5-y</sub> M <sub>x+y</sub> O <sub>4</sub> (M = Co, Cr, Ti; x+y = 0.05) prepared by mechanochemical way. Journal of Solid State Electrochemistry, 2016, 20, 235-246.	2.4	8
77	The role of structural features in heterogeneous catalytic oxidation of H <sub>2</sub> on TiO <sub>2</sub> :MoO <sub>3</sub> nanocomposites. Journal of Solid State Chemistry, 2019, 275, 181-186.	2.9	8
78	Crystal structure and phase composition evolution during heat treatment of Fe-45Ga alloy. Intermetallics, 2021, 131, 107110.	3.9	8
79	Crystal structure phase separation in anion-deficient La <sub>0.70</sub> Sr <sub>0.30</sub> MnO <sub>3-δ</sub> manganite system. Journal of Surface Investigation, 2007, 1, 705-710.	0.5	7
80	Effect of isotopic composition and microstructure on the crystalline and magnetic phase states in R <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . Journal of Experimental and Theoretical Physics, 2008, 106, 528-541.	0.9	7
81	Cation distribution in Cu(Cr <sub>2-x</sub> Al <sub>x</sub> )O <sub>4</sub> and Cu(Fe <sub>2-x</sub> Al <sub>x</sub> )O <sub>4</sub> according to neutron-diffraction studies and their catalytic properties in the water-gas shift reaction. Journal of Surface Investigation, 2016, 10, 1161-1168.	0.5	7
82	Neutron diffraction analysis of structural transformations in lithium-ion batteries. Russian Journal of Electrochemistry, 2017, 53, 178-186.	0.9	7
83	The crystal structure of compositionally homogeneous mixed ceria-zirconia oxides by high resolution X-ray and neutron diffraction methods. Open Chemistry, 2017, 15, 438-445.	1.9	7
84	Influence of spinodal decomposition on structure and thermoelastic martensitic transition in MnCuAlNi alloy. Materials Letters, 2020, 275, 128069.	2.6	7
85	Study of martensitic transformation in TiNiHfZr high temperature shape memory alloy using in situ neutron diffraction. Journal of Alloys and Compounds, 2022, 899, 163322.	5.5	7
86	Magnetostructural phase separation and giant isotope effect in R <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . JETP Letters, 2005, 82, 594-598.	1.4	6
87	Refinement of atomic and magnetic structures using neutron diffraction for synthesized bulk and nano-nickel zinc gallate ferrite. Physica B: Condensed Matter, 2016, 481, 118-123.	2.7	6
88	Cation distribution in CuFe <sub>2-x</sub> Cr <sub>x</sub> spinels studied by neutron diffraction and its effect on catalytic properties in water gas shift reaction. Materials Chemistry and Physics, 2018, 211, 278-282.	4.0	6
89	The influence of cation ordering and oxygen nonstoichiometry on magnetic properties of Sr <sub>2</sub> FeMoO <sub>6</sub> around Curie temperature. Journal of Magnetism and Magnetic Materials, 2020, 500, 166386.	2.3	6
90	Cluster-Like Structure of Fe-Based Alloys with Enhanced Magnetostriction. Journal of Surface Investigation, 2020, 14, S11-S14.	0.5	6

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91	Electronic Structures of the Vanadium-Intercalated and Substitutionally Doped Transition-Metal Dichalcogenides $Ti_xV_ySe_2$ . Inorganic Chemistry, 2020, 59, 8543-8551.	4.0	6
92	Fe <sub>13</sub> Ga <sub>9</sub> intermetallic in bcc-base Fe-Ga alloy. Intermetallics, 2021, 131, 107059.	3.9	6
93	Dispersed clusters in (Fe,Cr) <sub>3</sub> Al alloys: Neutron time-of-flight diffraction study. Physical Review Materials, 2019, 3, .	2.4	6
94	Mathematical Methods for the Analysis of Polycrystal Phase Evolutions. EPJ Web of Conferences, 2016, 108, 02049.	0.3	5
95	Evolution of microstructure of niobium carbide NbC <sub>0.77</sub> powders. Crystal Research and Technology, 2017, 52, 1700061.	1.3	5
96	Time-of-flight neutron diffraction of nanocrystalline powders of nonstoichiometric niobium carbide NbC <sub>0.77</sub> . Physics of the Solid State, 2017, 59, 607-612.	0.6	5
97	Microinhomogeneity of the Structure of Nanocrystalline Niobium and Vanadium Carbides. JETP Letters, 2018, 108, 253-259.	1.4	5
98	Structural, infrared and magnetic properties of MgAl Fe <sub>2</sub> O <sub>4</sub> compounds: Effect of the preparation methods and Al substitution. Solid State Sciences, 2020, 109, 106400.	3.2	5
99	Spinodal decomposition influence of austenite on martensitic transition in a Mn-13 at.%Cu alloy. Journal of Alloys and Compounds, 2021, 853, 157061.	5.5	5
100	Interrelation among superstructural ordering, oxygen nonstoichiometry and lattice strain of double perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> materials. Journal of Materials Science, 2021, 56, 11698-11710.	3.7	5
101	Spinodal decomposition in ternary Mn-Cu-Cr alloy and its influence on martensitic transition temperatures. Journal of Alloys and Compounds, 2021, 884, 161082.	5.5	5
102	Synthesis and structure of CeNi <sub>3</sub> D <sub>x</sub> . Inorganic Materials, 2007, 43, 704-710.	0.8	4
103	Effect of high magnetic field on the phase transition in Fe-24%Ga and Fe-27%Ga during isothermal annealing. Journal of Magnetism and Magnetic Materials, 2020, 514, 167284.	2.3	4
104	In-grain phase separation and structural ordering in Fe-Ga alloys seen from reciprocal space. Intermetallics, 2021, 128, 107016.	3.9	4
105	Competition of ferromagnetism and antiferromagnetism in Mn-doped orthorhombic YCrO <sub>3</sub> . Journal of Magnetism and Magnetic Materials, 2021, 535, 168022.	2.3	4
106	Structure evolution of as-cast metastable Fe-38Ga alloy towards equilibrium. Journal of Alloys and Compounds, 2021, 889, 161782.	5.5	4
107	Preparation-dependent properties of Ca(Cu,Mn) <sub>7</sub> O <sub>12</sub> CMR materials. Solid State Communications, 2006, 139, 380-385.	1.9	3
108	Structure of thermally desorbed CeNi <sub>3</sub> -based hydrides. Inorganic Materials, 2010, 46, 836-841.	0.8	3

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109	Visualization and analysis of large neutron diffraction data arrays measured in real time. Journal of Surface Investigation, 2017, 11, 169-178.	0.5	3
110	Delithiated states of layered cathode materials: doping and dispersion interaction effects on the structure. EPJ Web of Conferences, 2018, 177, 02001.	0.3	3
111	Coherent cluster ordering in Fe-xAl and Fe-xGa alloys. Journal of Alloys and Compounds, 2021, , 162540.	5.5	3
112	Kinetics of the isothermal A2 to sigma phase transformation in Fe-Cr alloy. Journal of Alloys and Compounds, 2022, 913, 165282.	5.5	3
113	Anomalies in the structure and properties of titanium diselenide intercalated by iron. Physics of the Solid State, 2008, 50, 314-317.	0.6	2
114	Hydriding of TiMo alloys at high hydrogen pressures. Inorganic Materials, 2016, 52, 1126-1131.	0.8	2
115	To a question of temperature driven gas swelling in helium doped ferritic alloys. Journal of Nuclear Materials, 2020, 533, 152089.	2.7	2
116	Wide-aperture back-scattering detector (BSD) for the High-Resolution Fourier Diffractometer (HRFD) at the IBR-2 reactor. Journal of Neutron Research, 2021, 23, 243-250.	1.1	2
117	Wide-Range Tuning of the Mo Oxidation State in La <sub>1-x</sub> Sr <sub>x</sub> Fe <sub>2/3</sub> Mo <sub>1/3</sub> O <sub>3</sub> Perovskites. European Journal of Inorganic Chemistry, 2016, 2016, 2942-2951.	2.0	1
118	Investigation of a Spin Transition in a LaCoO <sub>3</sub> Single Crystal by the Method of X-Ray Magnetic Circular Dichroism at the Cobalt K- and L <sub>2,3</sub> -Edges. Physics of the Solid State, 2018, 60, 288-291.	0.6	1
119	Influence of substitution of Fe by Co on structural and magneto-mechanical properties of Fe-27Ga alloy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 236-237, 76-83.	3.5	1
120	Neutron methods for tracking lithium in operating electrodes and interfaces. Physical Sciences Reviews, 2018, 3, .	0.8	1
121	Preparation of Submicron CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Dispersions and Filled Epoxy Compositions Based on Them. Inorganic Materials, 2019, 55, 856-863.	0.8	1
122	Crystal Structure Features of HTSC Cuprates and Relative AF Phases. AIP Conference Proceedings, 2006, , .	0.4	0
123	Structural origin of the giant oxygen isotope effect in Re <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> perovskites. Physica B: Condensed Matter, 2006, 385-386, 94-96.	2.7	0
124	Unit-cell parameters of nanoparticles embedded in porous glasses: Neutron-diffraction studies. Journal of Surface Investigation, 2015, 9, 668-672.	0.5	0
125	Neutron diffraction analysis of the microstructure of dispersion-hardening steels. Physics of Metals and Metallography, 2016, 117, 1047-1053.	1.0	0
126	Microstructure of nanocrystalline powders of nonstoichiometric vanadium VC <sub>0.875</sub> and niobium NbC <sub>0.93</sub> carbides. Journal of Surface Investigation, 2016, 10, 1136-1142.	0.5	0



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127	On the structure of stable CeNi <sub>3</sub> based hydrides. Journal of Surface Investigation, 2017, 11, 190-193.	0.5	0
128	Electrochemical cells for neutron diffraction study of Li/Na-ion electrode materials. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C131-C131.	0.1	0
129	5. Characterization methods. , 2018, , 261-408.		0
130	Interaction between Intermetallic Compounds RNi <sub>3</sub> (R = Gd, Dy) and Hydrogen at Low Temperatures. Journal of Surface Investigation, 2018, 12, 674-677.	0.5	0
131	Boron interaction with D0 <sub>3</sub> phase in Fe-(27-29)Ga alloys. Intermetallics, 2020, 126, 106938.	3.9	0
132	Structure of Polycrystalline CeNi <sub>3</sub> -Based Intermetallic Hydrides at 293 and 5 K. Crystallography Reports, 2020, 65, 43-47.	0.6	0
133	Phase Transformations of a CeCo <sub>3</sub> -Based Intermetallic Hydride at Temperatures from 200 to 950Å°C. Inorganic Materials, 2021, 57, 775-780.	0.8	0
134	Analysis of processes in Li-ion batteries by time-of-flight neutron diffraction. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C359-C359.	0.1	0
135	Electrochemical Cells for Operando Time-of-Flight Neutron Diffraction Study of Li/Na-Ion Electrode Materials. ECS Meeting Abstracts, 2017, , .	0.0	0
136	Phase transformation during Sr <sub>2</sub> CrMoO <sub>6</sub> synthesis. Izvestiya Vysshikh Uchebnykh Zavedenii Materialy Elektronnoi Tekhniki = Materials of Electronics Engineering, 2020, 22, 149-157.	0.2	0