Irina A Gudim

List of Publications by Year
in descending order

158	1,959	279487	329751
papers	citations	23 h-index	37 g-index

158	158	158	800
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystal structure of bismuth-containing NdFe₃(BO₃)₄ in the temperature range 20â€“500â€…K. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 1-13.	0.5	5
2	Quantum versus classical nature of the low-temperature magnetic phase transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>TbAl</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>: Physical Review B, 2022, 105, .	1.1	1
3	Crystal structure, absolute configuration and characteristic temperatures of SmFe₃(BO₃)₄ in the temperature range 11â€“400â€…K. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 546-556.	0.5	2
4	Pressureâ€“Temperature Phase Diagram of Multiferroic TbFe2.46Ga0.54(BO3)4. Magnetochemistry, 2022, 8, 59.	1.0	1
5	Comparison of the Absorption Spectra of Nd3+ Ions in the NdFe3(BO3)4, Nd0.5Gd0.5Fe3(BO3)4, and Ho0.75Nd0.25Fe3(BO3)4 Crystals. Physics of the Solid State, 2021, 63, 113-121.	0.2	0
6	High-resolution optical spectroscopy, magnetic properties, and single-crystal neutron diffraction of multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi>HoFe</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>: Magnetic structure. Physical Review B, 2021, 103, .	1.1	4
7	Electronic band structures of NdFe3(BO3)4 and NdGa3(BO3)4 crystals: ab initio calculations. Ferroelectrics, 2021, 575, 11-17.	0.3	1
8	X-ray Natural Circular Dichroism Imaging of Multiferroic Crystals. Crystals, 2021, 11, 531.	1.0	6
9	Magnetic excitations and exchange interactions in the substituted multiferroics <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mi>Nd</mml:mi><mml:mo>,</mml:mo> revealed by inelastic neutron scatte. Physical Review B, 2021, 103, .	1.1	6
10	Regulation of the phase transition temperature and hysteresis width by changing the composition of <mml:math		

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19	Structural phase transition in TbFe_{2.5}Ga_{0.5}(BO₃)₄ single crystal. Ferroelectrics, 2020, 559, 128-134.	0.3	2
20	Synthesis of NdSc3(BO3)4 single crystals and study of its structure properties. Journal of Alloys and Compounds, 2020, 828, 154355.	2.8	6
21	Structural, Electronic and Vibrational Properties of YAl3(BO3)4. Materials, 2020, 13, 545.	1.3	17
22	Soft modes in HoFe2.5Ga0.5(BO3)4 solid solution. Ferroelectrics, 2020, 556, 16-22.	0.3	0
23	Meltâ€'Solution Synthesis and Magnetic Properties of SmFe2.8Sc0.2(BO3)4 Ferroborate. Crystallography Reports, 2020, 65, 307-308.	0.1	0
24	Elastic, magnetoelastic, magnetopiezoelectric, and magnetodielectric characteristics of HoAl3(BO3)4. Low Temperature Physics, 2020, 46, 923-931.	0.2	8
25	Spectroscopic study of the TbAl3(BO3)4 single crystal: Raman and luminescence spectroscopy. Low Temperature Physics, 2020, 46, 1223-1230.	0.2	0
26	Specific features of Nd3+ Kramers doubletsâ€™ splitting in an antiferromagnetic crystal NdFe3(BO3)4 in an external magnetic field. Low Temperature Physics, 2019, 45, 928-933.	0.2	1
27	Crystal structure and structural phase transition in bismuth-containing HoFe₃(BO₃)₄in the temperature range 11â€“500 K. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 954-968.	0.5	11
28	Dielectric and Raman spectroscopy measurements across structural phase transition in multiferroic HoFe3(BO3)4 single crystal. AIP Conference Proceedings, 2019, , .	0.3	0
29	Manifestation of Spin Correlations in Monocrystalline ErAl3(BO3)4. Low Temperature Physics, 2019, 45, 1041-1045.	0.2	2
30	Comparing the magnetic and magnetoelectric properties of the SmFe3(BO3)4 ferroborate single crystals grown using different solvents. Journal of Crystal Growth, 2019, 518, 1-4.	0.7	5
31	Complex magnetic order in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Nd</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn> multiferroic revealed by single-crystal neutron diffraction. Physical Review B, 2019, 99, .	1.1	11
32	Element selective magnetism in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ho</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.5</mml:mn>		

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37	Magnetocapacitance, magnetoelasticity, and magnetopiezoelectric effect in HoFe3(BO3)4. Low Temperature Physics, 2018, 44, 1341-1347.	0.2	8
38	The magnetoelectric MEE-effect in the SmFe3(BO3)4 multiferroic in dc and ac electric fields. Journal of Applied Physics, 2018, 124, 134101.	1.1	2
39	Magnetic and Magnetodielectric Properties of Ho0.5Nd0.5Fe3(BO3)4. Physics of the Solid State, 2018, 60, 1989-1998.	0.2	4
40	Manifestation of magnetoelastic interactions in Raman spectra of Ho_xNd1â^'_xFe₃(BO₃)₄ crystals. Journal of Advanced Dielectrics, 2018, 08, 1850011.	1.5	18
41	Temperatureâ€dependent absorption lines observation in Raman spectra of SmFe₃(BO₃)₄ ferroborate. Journal of Raman Spectroscopy, 2018, 49, 1732-1735.	1.2	7
42	Crystal structure, phase transition and structural deformations in iron borate (Y_{0.95}Bi_{0.05})Fe₃(BO₃)₄in the temperature range 90â€“500â€…K. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 226-238.	0.5	11
43	Antiferromagnetic resonance in crystalline PrFe3(BO3)4. Low Temperature Physics, 2018, 44, 139-143.	0.2	1
44	Features of electronic paramagnetic resonance in the ErAl3(BO3)4 single crystal. Low Temperature Physics, 2018, 44, 863-865.	0.2	2
45	Raman study of HoFe₃(BO₃)₄ at simultaneously high pressure and high temperature: pâ€“T phase diagram. Journal of Raman Spectroscopy, 2017, 48, 1406-1410.	1.2	13
46	Low-temperature features of Raman spectra below magnetic transitions in multiferroic Ho_{1â€“x}Nd_xFe₃(BO₃)₄ and Sm_{1â€“y}La_yFe₃(BO₃)₄ single crystals. Ferroelectrics, 2017, 509, 92-96.	0.3	10
47	Magnetic and magnetoelectric properties of the Tb0.75Ho0.25Fe3(BO3)4 ferroborate. Physics of the Solid State, 2017, 59, 550-554.	0.2	0
48	Spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>f</mml:mi><mml:mo>â^'</mml:mo><mml:mi>f</mml:mi> transitions, crystal-field calculations, and magnetic and quadrupole helix chirality in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>DyF</mml:mi><mml:msub><mml:mi>		

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55	Raman scattering in multiferroic SmFe3(BO3)4. Low Temperature Physics, 2016, 42, 475-483.	0.2	9
56	Transformation from an easy-plane to an easy-axis antiferromagnetic structure in the mixed rare-earth ferroborates Pr_xY_{1â^'x}Fe₃(BO₃)₄: magnetic properties and crystal field calculations. Journal of Physics Condensed Matter, 2016, 28, 396001.	0.7	4
57	Magnetodielectrical and magnetopiezoelectrical effects in NdFe3(BO3)4. Low Temperature Physics, 2016, 42, 1112-1119.	0.2	4
58	High-resolution spectroscopy of HoFe3(BO3)4 crystal: a study of phase transitions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2016, 120, 558-565.	0.2	18
59	Structure of Gd0.95Bi0.05Fe3(BO3)4 single crystals at 293 and 90 K. Crystallography Reports, 2016, 61, 558-565.	0.1	9
60	Specific features of magnetic properties of Tb1â€“x Ho x Al3(BO3)4 aluminoborates. Physics of the Solid State, 2016, 58, 660-664.	0.2	1
61	Evidence for a collinear easy-plane magnetic structure of multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>EuF</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mrow>	1.1	13
62	Terahertz spectroscopy of crystal-field transitions in magnetoelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>TmA</mml:mi><mml:msub><mml:mi mathvariant="normal">l</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mi) Tj E	1.1	7
63	Physical Review B, 2016, 94, . Crystal Growth and Raman Spectroscopy Study of Sm_{1â€“x}La_xFe₃(BO₃)₄ Ferroborates. Crystal Growth and Design, 2016, 16, 6915-6921.	1.4	16
64	Infrared absorption spectra of a Nd0.5Ho0.5Fe3(BO3)4 crystal. Physics of the Solid State, 2016, 58, 155-159.	0.2	9
65	Magnetopiezoelectric effect and magnetocapacitance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SmFe</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi /><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2015, 92, .	1.1	20
66	Study of structural and ferromagnetic resonance properties of spinel lithium ferrite (LiFe5O8) single crystals. Journal of Applied Physics, 2015, 117, .	1.1	34
67	Giant natural circular dichroism of vibronic transitions in HoAl3(BO3)4. JETP Letters, 2015, 102, 493-495.	0.4	2
68	Magnetoelectric and magnetic properties of aluminum borates Ho1 â^' x Nd x Al3(BO3)4. JETP Letters, 2015, 101, 318-324.	0.4	4
69	Large directional optical anisotropy in multiferroic ferroborate. Physical Review B, 2015, 92, .	1.1	17
70	Inclined magnetic structure of iron boratePrxY1â^'xFe3(BO3)4: A neutron diffraction study and crystal-field calculations. Physical Review B, 2015, 91, .	1.1	10
71	Magneto-optical activity of fâ€“f transitions in ErFe3(BO3)4 and ErAl3(BO3)4 single crystals. Journal of Magnetism and Magnetic Materials, 2015, 384, 255-265.	1.0	12
72	Effect of an electric field on the magnetization of a SmFe3(BO3)4 single crystal. Physics of the Solid State, 2015, 57, 1357-1361.	0.2	7

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73	Specific features of magnetic properties of rare-earth ferroborates Sm1 â^' x La x Fe3(BO3)4. Physics of the Solid State, 2015, 57, 569-575.	0.2	4
74	Magnetic resonance and spin-reorientation transitions in the Nd0.75Ho0.25Fe3(BO3)4 multiferroic. Low Temperature Physics, 2015, 41, 75-79.	0.2	2
75	Elastic and piezoelectric moduli of Nd and Sm ferroborates. Low Temperature Physics, 2015, 41, 614-618.	0.2	10
76	IR spectroscopy of the low-frequency phonon spectrum of the TbFe3(BO3)4 single-crystal. Low Temperature Physics, 2014, 40, 1087-1096.	0.2	6
77	Direct and inverse magnetoelectric effects in HoAl3(BO3)4 single crystal. Journal of Applied Physics, 2014, 115, .	1.1	13
78	Antiferromagnetic resonance study of the magnetic structure of Nd0.75Dy0.25Fe3(BO3)4. Low Temperature Physics, 2014, 40, 629-634.	0.2	2
79	Magnetic, magnetoelastic, and spectroscopic properties of TmAl3(BO3)4. Journal of Experimental and Theoretical Physics, 2014, 119, 737-744.	0.2	7
80	Raman scattering under structural and magnetic phase transitions in terbium ferroborate. Low Temperature Physics, 2014, 40, 171-178.	0.2	12
81	Crystal field and exchange interactions in the SmFe3(BO3)4 multiferroic. Journal of Experimental and Theoretical Physics, 2014, 118, 111-123.	0.2	14
82	High-temperature heat capacity of YFe3(BO3)4. Physics of the Solid State, 2014, 56, 276-278.	0.2	5
83	Mode Splitting in 37â€“42 GHz Barium Hexaferrite Resonator: Theory and Device Applications. IEEE Transactions on Magnetics, 2014, 50, 1-7.	1.2	4
84	High-temperature magnetoelectricity of terbium aluminum borate: The role of excited states of the rare-earth ion. Physical Review B, 2014, 89, .	1.1	24
85	Spectroscopic properties of ErAl3(BO3)4 single crystal. Chemical Physics, 2014, 428, 137-143.	0.9	24
86	Spectroscopic properties and structure of the ErFe3(BO3)4 single crystal. Physics of the Solid State, 2014, 56, 2056-2063.	0.2	5
87	High-temperature heat capacity of YbAl3(BO3)4. Russian Journal of Physical Chemistry A, 2014, 88, 1436-1437.	0.1	3
88	Magnetic field-induced phase transitions in the antiferromagnet Nd0.6Dy0.4Fe3(BO3)4. Low Temperature Physics, 2014, 40, 146-150.	0.2	4
89	Heat capacity of Gd0.5Nd0.5Fe3(BO3)4 in the temperature interval of 344â€“1021 K. Russian Journal of Physical Chemistry A, 2014, 88, 1626-1628.	0.1	1
90	Magnetic and magnetoelectric properties of terbium aluminum borate. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 97-99.	0.1	3

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91	Magnetization, magnetoelectric polarization, and specific heat of HoGa3(BO3)4. JETP Letters, 2014, 99, 67-75.	0.4	26
92	High-temperature heat capacity of TbFe3(BO3)4. Physics of the Solid State, 2014, 56, 926-928.	0.2	1
93	Infrared absorption spectrum of HoFe3(BO3)4 crystal. Vibrational Spectroscopy, 2014, 72, 20-25.	1.2	15
94	Magnetic properties of the rare-earth ferroborate SmFe3(BO3)4. Journal of Experimental and Theoretical Physics, 2013, 116, 800-805.	0.2	7
95	Features of the magnetic and magnetoelectric properties of HoAl3(BO3)4. JETP Letters, 2013, 97, 528-534.	0.4	29
96	Magneto-optical activity of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>f</mml:mi><mml:mo>â^'</mml:mo><mml:mi>f</mml:mi></mml:mrow></mml:math>transitions and properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:mrow></mml:math>states in single-crystal DyFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub>. Physical Review B, 2013,	1.1	18
97	Magnetoelastic interactions in Raman spectra of Ho1â^'xNdxFe3(BO3)4 crystals. Solid State Communications, 2013, 174, 26-29.	0.9	20
98	Vibrational spectra and elastic, piezoelectric, and magnetoelectric properties of HoFe3(BO3)4 and HoAl3(BO3)4 crystals. Journal of Experimental and Theoretical Physics, 2013, 117, 1032-1041.	0.2	28
99	Heat capacity of YAl3(BO3)4 in the range of 329â€“1051 K. Doklady Physics, 2013, 58, 533-534.	0.2	1
100	Magnetic properties of the Nd0.95Dy0.05Fe3(BO3)4 ferroborate with small substitution in the rare-earth element subsystem. Journal of Experimental and Theoretical Physics, 2013, 117, 862-874.	0.2	4
101	Temperature- and magnetic-field-tuning of magnetic phases in multiferroic NdFe3(BO3)4. Journal of the Korean Physical Society, 2013, 62, 1410-1413.	0.3	1
102	Magnetoelastic studies of Nd0.75Dy0.25Fe3(BO3)4in the external magnetic field: Magnetic phase transitions. Low Temperature Physics, 2013, 39, 936-947.	0.2	3
103	Magnetoelectricity in the systemRAl₃(BO₃)₄(R= Tb, Ho, Er, Tm). Journal of Physics: Conference Series, 2012, 340, 012065.	0.3	27
104	Magnetic ordering in multiferroic 3d<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>(BO<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	1.1	17
105	Determination of the magnetic structure of SmFe₃(BO₃)₄by neutron diffraction: comparison with other RFe₃(BO₃)₄iron borates. Journal of Physics Condensed Matter, 2012, 24, 386002.	0.7	22
106	Magnetic structure of iron borate DyFe₃(BO₃)₄: A neutron diffraction study. Journal of Physics: Conference Series, 2012, 340, 012065.	0.3	16
107	Spectroscopic properties of Nd0.5Gd0.5Fe3(BO3)4 single crystal. Journal of Alloys and Compounds, 2012, 529, 38-43.	2.8	11
108	Growth and characterization of Fe1 â^' x M x VO4 single crystals (M = Al, Cr, Co, Ga). Crystallography Reports, 2012, 57, 955-958.	0.1	3

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109	Quality of the rare earth aluminum borate crystals for laser applications, probed by high-resolution spectroscopy of the Yb3+ ion. Optical Materials, 2012, 34, 1885-1889.	1.7	21
110	Magnetic anisotropy in the basal plane of the rare-earth ferroborate Nd0.75Dy0.25Fe3(BO3)4. Low Temperature Physics, 2012, 38, 446-449.	0.2	13
111	Magnetic Properties of Nd_{0.6}Dy_{0.4}Fe₃(Bo₃)₄. Solid State Phenomena, 2012, 190, 261-264.	0.3	2
112	Magnetic Properties of Sm0.7Ho0.3Fe3(BO3)4. Journal of Experimental and Theoretical Physics, 2012, 115, 815-828.	0.2	7
113	Magnetic properties of Nd0.9Dy0.1Fe3(BO3)4. Physica B: Condensed Matter, 2012, 407, 393-397.	1.3	7
114	Magnetic phase transitions in Nd1 â^' x Dy x Fe3(BO3)4 ferroborates. Journal of Experimental and Theoretical Physics, 2012, 114, 259-272.	0.2	13
115	Magnetoelectric and magnetoelastic properties of easy-plane ferroborates with a small ionic radius. Journal of Experimental and Theoretical Physics, 2012, 114, 810-817.	0.2	18
116	Nature of optical properties of GdFe3(BO3)4 and GdFe2.1Ga0.9(BO3)4 crystals and other 3d5 antiferromagnets. European Physical Journal B, 2012, 85, 1.	0.6	13
117	Magnetic phase transitions in the NdFe3(BO3)4 multiferroic. Low Temperature Physics, 2011, 37, 1010-1020.	0.2	18
118	Colossal magnetodielectric effect in SmFe3(BO3)4 multiferroic. JETP Letters, 2011, 93, 275-281.	0.4	60
119	Magnetic properties of the Nd0.5Gd0.5Fe3(BO3)4 single crystal. Physics of the Solid State, 2011, 53, 2032-2037.	0.2	5
120	Peculiarities in the magnetic, magnetoelectric, and magnetoelastic properties of SmFe3(BO3)4 multiferroic. Journal of Experimental and Theoretical Physics, 2010, 111, 199-203.	0.2	38
121	Flux growth and spin reorientation in trigonal Nd1â^'xDyxFe3(BO3)4 single crystals. Journal of Crystal Growth, 2010, 312, 2427-2430.	0.7	54
122	Spectroscopic study of the magnetic ordering in SmFe3(BO3)4. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1790-1792.	0.9	29
123	Magneto-optical activity and luminescence of f-f transitions in trigonal crystal TmAl3(BO3)4. Optical Materials, 2010, 32, 1017-1021.	1.7	3
124	Low-temperature behavior of the magnetoelastic characteristics of praseodymium ferroborate. Low Temperature Physics, 2010, 36, 296-302.	0.2	13
125	Low-temperature phase transitions in the rare-earth ferroborate Nd0.75Dy0.25Fe3(BO3)4. Low Temperature Physics, 2010, 36, 279-281.	0.2	11
126	Magnetoelectric and magnetoelastic properties of rare-earth ferroborates. Low Temperature Physics, 2010, 36, 511-521.	0.2	144

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127	Upconversion luminescence of YAl3(BO3)4:(Yb3+,Tm3+) crystals. Journal of Alloys and Compounds, 2010, 496, L18-L21.	2.8	30
128	Magnetic structure in iron borates RFe₃(BO₃)₄(R = Er, Pr): a neutron diffraction and magnetization study. Journal of Physics Condensed Matter, 2010, 22, 206002.	0.7	27
129	Violation of axial symmetry of optical properties in the trigonal crystal Nd:GdFe2.1Ga0.9(BO3)4. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1683-1686.	0.9	3
130	Magnetic anisotropy and magnetoelectric properties of Tb1 â^' x Er x Fe3(BO3)4 ferroborates. Journal of Experimental and Theoretical Physics, 2009, 109, 68-73.	0.2	34
131	Single-crystal growth of trigonal DyFe3(BO3)4 and study of magnetic properties. Crystallography Reports, 2008, 53, 1140-1143.	0.1	9
132	Crystal nucleation of high-temperature Fe x Ga2 â^' x O3 multiferroics in bismuth trimolybdate-borate fluxes. Crystallography Reports, 2008, 53, 1232-1235.	0.1	2
133	Magnetoelastic effects in terbium ferroborate. Low Temperature Physics, 2008, 34, 901-908.	0.2	16
134	Magnetic structure in iron borates RFe₃(BO₃)₄(R = Y,Ho): a neutron diffraction and magnetization study. Journal of Physics Condensed Matter, 2008, 20, 365209.	0.7	66
135	Origin of color centers in the flux-grown europium gallium garnet. Journal of Applied Physics, 2008, 103, 083102.	1.1	5
136	Magnetization and specific heat ofTbFe3(BO3)4: Experiment and crystal-field calculations. Physical Review B, 2007, 75, .	1.1	69
137	Magnetic structure, magnetic interactions and metamagnetism in terbium iron borate TbFe3(BO3)4: a neutron diffraction and magnetization study. Journal of Physics Condensed Matter, 2007, 19, 196227.	0.7	65
138	Investigation of the iron borates DyFe3(BO3)4 and HoFe3(BO3)4 by the method of Er3+ spectroscopic probe. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 368, 408-411.	0.9	34
139	Thermodynamic properties of NdFe3(BO3)4. Journal of Magnetism and Magnetic Materials, 2007, 316, e621-e623.	1.0	21
140	Magnetic properties of TbFe3(BO3)4. Journal of Magnetism and Magnetic Materials, 2007, 316, e717-e720.	1.0	15
141	Luminescence of yttrium aluminum borate single crystals doped with manganese. Physics of the Solid State, 2007, 49, 1695-1699.	0.2	37
142	Magnetic properties of rare earth iron borates: Spectroscopic investigation by the method of rare earth probe. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 1563-1565.	0.1	2
143	Spin glass state in crystals of barium ferrigermanate Ba2Fe2GeO7. Physics of the Solid State, 2006, 48, 1906-1908.	0.2	6
144	Synthesis and Properties of Barium Ferrigermanate Ba[sub 2]Fe[sub 2]GeO[sub 7]. Physics of the Solid State, 2005, 47, 2114.	0.2	3

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145	Circular dichroism of some Nd-doped crystals of the langasite family. Crystallography Reports, 2005, 50, 954-960.	0.1	4
146	Crystallization of trigonal (Tb,Er)(Fe,Ga)3(BO3)4 phases with hantite structure in bismuth trimolybdate-based fluxes. Crystallography Reports, 2005, 50, S97-S99.	0.1	76
147	Crystallization of Ba3Fe2Ge4O14 and Ba2Fe2GeO7 in oxide-fluoride fluxes. Crystallography Reports, 2005, 50, S106-S110.	0.1	1
148	Pb3Ga2Ge4O14:Nd3+ crystal - a novel nonlinear laser material. Physica Status Solidi A, 2005, 202, R111-R112.	1.7	0
149	Electromechanical properties of Pb3Ga2Ge4O14 piezoelectric crystals grown from solution in a melt. Physics of the Solid State, 2004, 46, 458-461.	0.2	3
150	The growth and structure of Pb3Ga2Ge4O14 and Ba3Ga2Ge4O14 single crystals. Crystallography Reports, 2004, 49, 271-274.	0.1	6
151	Optics and spectroscopy of a Pb3Ga2Ge4O14:Nd3+ crystal, a new representative of the langasite family. Crystallography Reports, 2004, 49, 459-462.	0.1	3
152	Magnetic properties of trigonal GdFe3(BO3)4. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 532-534.	1.0	82
153	Gd3Ga5O12:Nd3+ crystals for a continuous-wave diode-pumped laser operating in 4F3/2 â†' 4I11/2 and 4F3/2 â†' 4I13/2 channels. Crystallography Reports, 2002, 47, 308-312.	0.1	4
154	Optical Spectra of Gd3Ga5O12:Mn Crystals. Inorganic Materials, 2002, 38, 1032-1034.	0.2	9
155	Magnetoelectric Polarization of Paramagnetic HoAl_{3-X}Ga_X(BO₃)₄ Single Crystals. Solid State Phenomena, 0, 215, 364-367.	0.3	4
156	Features of Magnetic, Magnetoelectric and Magnetoelastic Properties of HoAl₃(BO₃)₄. Solid State Phenomena, 0, 215, 352-357.	0.3	0
157	Magnetic and Magnetoelectric Properties of Sm_{1-x}La_xFe₃(BO₃)₄ Single Crystals. Solid State Phenomena, 0, 233-234, 368-370.	0.3	4
158	Phase transitions and pâ€“T phase diagram of the multiferroic TbFe ₃ (BO ₃) ₄ crystal. Journal of Raman Spectroscopy, 0, , .	1.2	2