Kira Seleznyova

List of Publications by Year
in descending order

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Version: 2024-02-01

27 papers	209 citations	1040056 9 h-index	1058476 14 g-index
28 all docs	28 docs citations	28 times ranked	119 citing authors

#	Article	IF	Citations
1	Iron Borate Based Crystals, Trigonal Weak Ferromagnets With Zero Orbital Moment: Synthesis and Modelling of Intracrystalline Interactions. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	2
2	Effect of magnetoelastic interaction on the thermal expansion of the trigonal crystal FeBO3. Journal of Magnetism and Magnetic Materials, 2022, 560, 169658.	2.3	4
3	Structural perfection of Fe1-Ga BO3 single crystals designed for nuclear resonant synchrotron experiments. Journal of Alloys and Compounds, 2021, 889, 161702.	5.5	5
4	Synthesis and structural characterization of Fe_{1-x}Me_xBO₃ (Me =) Tj ETQq0 0 0 rgBT /Overlock 1	0.4	1
5	Structural transformations of gallium borate GaBO3 single crystals under nickel doping. Journal of Crystal Growth, 2020, 546, 125781.	1.5	0
6	Flux growth, structure refinement and MÃ¶ssbauer studies of Fe_{1â€“} _x Ga _x BO₃ single crystals. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 1100-1108.	1.1	10
7	Dzyaloshinskii-Moriya interaction constant in iron-gallium borate single crystals. Journal of Physics: Conference Series, 2020, 1697, 012083.	0.4	2
8	Synthesis of composite single crystal structures on the basis of iron borate for fundamental studies and practical applications. Journal of Physics: Conference Series, 2020, 1697, 012063.	0.4	0
9	Electron magnetic resonance of iron-gallium borate single crystals. Journal of Applied Physics, 2019, 125, .	2.5	15
10	Anisotropic energy gap of low-frequency AFMR mode in Fe_xGa_{1-x}BO₃ single crystals. Journal of Physics: Conference Series, 2019, 1400, 044016.	0.4	5
11	Exchange energy in diamagnetically diluted iron borate-based crystals. Journal of Physics: Conference Series, 2019, 1400, 044023.	0.4	4
12	New insight in the nature of surface magnetic anisotropy in iron borate. Surface Science, 2018, 668, 80-84.	1.9	10
13	Development of a Synthesis Technique and Characterization of High-Quality Iron Borate FeBO₃ Single Crystals for Applications in Synchrotron Technologies of a New Generation. Crystal Growth and Design, 2018, 18, 7435-7440.	3.0	29
14	Fitting MAS NMR spectra in crystals with local disorder: Czjzek's vs. Maurer's model for 11 B and 71 Ga in polycrystalline gallium borate. Solid State Nuclear Magnetic Resonance, 2017, 85-86, 12-18.	2.3	7
15	Understanding the magnetocrystalline anisotropy of iron borate. , 2017, , .		1
16	Nature of magnetocrystalline anisotropy in the basal plane of iron borate. Journal of Magnetism and Magnetic Materials, 2017, 442, 417-422.	2.3	11
17	New insight in the magnetocrystalline anisotropy of iron borate. , 2017, , .		0
18	Reply to Comment on â€˜Modelling the magnetic dipoleâ€™. European Journal of Physics, 2016, 37, 058002.	0.6	2

#	Article	IF	Citations
19	Iron borate films: Synthesis and characterization. Journal of Magnetism and Magnetic Materials, 2016, 417, 338-343.	2.3	13
20	Modelling the magnetic dipole. European Journal of Physics, 2016, 37, 025203.	0.6	27
21	On the Dependence of the Electron Paramagnetic Resonance Line Intensities on the Microwave Field Orientation. Applied Magnetic Resonance, 2015, 46, 1323-1330.	1.2	1
22	11B MAS NMR study of Ga1â˜'xFexBO3 mixed crystals. Solid State Nuclear Magnetic Resonance, 2015, 70, 38-42.	2.3	12
23	Fe x Ga1â˜'x BO3 single crystals: synthesis and characterization. Applied Physics A: Materials Science and Processing, 2015, 121, 179-185.	2.3	20
24	Iron borate based monocrystals for research in magneto-ordered state physics. , 2014, , .		1
25	Iron-doped gallium borate crystals: Synthesis and ESR study of local disorder. , 2014, , .		0
26	Electron paramagnetic resonance of Fe³⁺in gallium borate: Superposition model analysis. Physica Status Solidi (B): Basic Research, 2014, 251, 1393-1400.	1.5	16
27	Ferro-gallium borate single crystals for nuclear resonance synchrotron experiments. IOP Conference Series: Materials Science and Engineering, 0, 525, 012048.	0.6	8