

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	Development of a Synthesis Technique and Characterization of High-Quality Iron Borate FeBO_3 Single Crystals for Applications in Synchrotron Technologies of a New Generation. Crystal Growth and Design, 2018, 18, 7435-7440.	3.0	29
2	Modelling the magnetic dipole. European Journal of Physics, 2016, 37, 025203.	0.6	27
3	$\text{Fe}_x\text{Ga}_{1-x}\text{BO}_3$ single crystals: synthesis and characterization. Applied Physics A: Materials Science and Processing, 2015, 121, 179-185.	2.3	20
4	Electron paramagnetic resonance of Fe^{3+} in gallium borate: Superposition model analysis. Physica Status Solidi (B): Basic Research, 2014, 251, 1393-1400.	1.5	16
5	Electron magnetic resonance of iron-gallium borate single crystals. Journal of Applied Physics, 2019, 125, .	2.5	15
6	Iron borate films: Synthesis and characterization. Journal of Magnetism and Magnetic Materials, 2016, 417, 338-343.	2.3	13
7	^{11}B MAS NMR study of $\text{Ga}_{1-x}\text{Fe}_x\text{BO}_3$ mixed crystals. Solid State Nuclear Magnetic Resonance, 2015, 70, 38-42.	2.3	12
8	Nature of magnetocrystalline anisotropy in the basal plane of iron borate. Journal of Magnetism and Magnetic Materials, 2017, 442, 417-422.	2.3	11
9	New insight in the nature of surface magnetic anisotropy in iron borate. Surface Science, 2018, 668, 80-84.	1.9	10
10	Flux growth, structure refinement and Mössbauer studies of $\text{Fe}_{1-x}\text{Ga}_x\text{BO}_3$ single crystals. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 1100-1108.	1.1	10
11	Ferro-gallium borate single crystals for nuclear resonance synchrotron experiments. IOP Conference Series: Materials Science and Engineering, 0, 525, 012048.	0.6	8
12	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
13	Anisotropic energy gap of low-frequency AFMR mode in $\text{Fe}_x\text{Ga}_{1-x}\text{BO}_3$ single crystals. Journal of Physics: Conference Series, 2019, 1400, 044016.	0.4	5
14	Structural perfection of $\text{Fe}_1\text{-Ga}$ BO_3 single crystals designed for nuclear resonant synchrotron experiments. Journal of Alloys and Compounds, 2021, 889, 161702.	5.5	5
15	Exchange energy in diamagnetically diluted iron borate-based crystals. Journal of Physics: Conference Series, 2019, 1400, 044023.	0.4	4
16	Effect of magnetoelastic interaction on the thermal expansion of the trigonal crystal FeBO_3 . Journal of Magnetism and Magnetic Materials, 2022, 560, 169658.	2.3	4
17	Reply to Comment on "Modelling the magnetic dipole". European Journal of Physics, 2016, 37, 058002.	0.6	2
18	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

#	ARTICLE	IF	CITATIONS
19	Dzyaloshinskii-Moriya interaction constant in iron-gallium borate single crystals. Journal of Physics: Conference Series, 2020, 1697, 012083.	0.4	2
20	Iron borate based monocrystals for research in magneto-ordered state physics. , 2014, , .		1
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	Understanding the magnetocrystalline anisotropy of iron borate. , 2017, , .		1
23	Synthesis and structural characterization of $\text{Fe}_{1-x}\text{Me}_x\text{BO}_3$ (Me = Tj, ET, Q, q, 1, 0.784314, rgBT / Dv)	0.4	1
24	Iron-doped gallium borate crystals: Synthesis and ESR study of local disorder. , 2014, , .		0
25	New insight in the magnetocrystalline anisotropy of iron borate. , 2017, , .		0
26	Structural transformations of gallium borate GaBO_3 single crystals under nickel doping. Journal of Crystal Growth, 2020, 546, 125781.	1.5	0
27	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