

Natalia Kazak

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Anisotropic thermal expansion and electronic transitions in the Co_3BO_5 ludwigite. Dalton Transactions, 2022, 51, 6345-6357.	3.3	4
2	Electronic and magnetic states of Fe ions in Co_2FeBO_5 . Dalton Transactions, 2021, 50, 9735-9745.	3.3	4
3	Effect of Electron Delocalization on the "Recoil-Free" Absorption of I^{131} -Ray Photons in $\text{Fe}_{1.75}\text{V}_{0.25}\text{BO}_4$ Warwickite. JETP Letters, 2021, 113, 279-284.	1.4	0
4	Spin state crossover in Co_3BO_5 . Physical Review B, 2021, 103, .	3.3	4
5	Spin-Flop Transition in $\text{Co}_2\text{B}_2\text{O}_5$ Pyroborate. JETP Letters, 2021, 114, 92-97.	1.4	3
6	$\text{Co}_5/3\text{Nb}_1/3\text{BO}_4$: A new cobalt oxyborate with a complex magnetic structure. Journal of Magnetism and Magnetic Materials, 2021, 534, 168056.	2.3	3
7	Weak Antiferromagnet Iron Borate FeBO_3 . Classical Object for Magnetism and the State of the Art. Journal of Experimental and Theoretical Physics, 2020, 131, 177-188.	0.9	12
8	Structural, Magnetic, and Thermodynamic Properties of Ordered and Disordered Cobaltite $\text{Gd}_{0.1}\text{Sr}_{0.9}\text{CoO}_3$ "I". Journal of Experimental and Theoretical Physics, 2019, 128, 630-640.	0.9	4
9	Element selective magnetism in $\text{Ho}_{0.5}\text{Co}_{0.5}\text{BO}_5$.		

#	ARTICLE	IF	CITATIONS
19	Crystal structure and magnetization of a Co ₃ B ₂ O ₆ single crystal. Journal of Experimental and Theoretical Physics, 2013, 117, 94-107.	0.9	13
20	Structural properties and high-temperature spin and electronic transitions in GdCoO ₃ : Experiment and theory. Physical Review B, 2013, 88, .	3.2	33
21	Identification of local magnetic contributions in a Co ₂ FeBO ₅ single crystal by XMCD spectroscopy. JETP Letters, 2013, 96, 650-654.	1.4	7
22	Effect of the diamagnetic dilution on the magnetic ordering and electrical conductivity in the Co ₃ O ₂ BO ₃ : Ga ludwigite. Physics of the Solid State, 2012, 54, 2212-2221.	0.6	17
23	Antiferromagnetic ordering in REM cobaltite GdCoO ₃ . Physics of the Solid State, 2012, 54, 79-83.	0.6	12
24	Spin-glass magnetic ordering in CoMgGaO ₂ BO ₃ ludwigite. Low Temperature Physics, 2012, 38, 172-174.	0.6	21
25	Electron transport in FeBO ₃ ferroborate at ultrahigh pressures. JETP Letters, 2012, 94, 748-752.	1.4	8
26	Contribution of Co ³⁺ ions to the high-temperature magnetic and electrical properties of GdCoO ₃ . Journal of Experimental and Theoretical Physics, 2012, 114, 841-849.	0.9	6
27	Crystal structure and magnetic anisotropy of ludwigite Co ₂ FeO ₂ BO ₃ . Journal of Experimental and Theoretical Physics, 2011, 113, 1015-1024.	0.9	29
28	Uniaxial magnetic anisotropy in Co ₂ FeO ₂ BO ₃ . Journal of Experimental and Theoretical Physics, 2011, 113, 1015-1024.	3.2	36
29	Experimental observation of the virtual electronic states of a mott-Hubbard insulator FeBO ₃ in infrared absorption spectra. JETP Letters, 2009, 90, 519-523.	1.4	6
30	Evolution of the optical absorption spectra and electronic structure of the VBO ₃ crystal under high pressures. Journal of Experimental and Theoretical Physics, 2009, 109, 455-465.	0.9	0
31	Low-field magnetization of ludwigites Co ₃ O ₂ BO ₃ and Co ₃ Fe _x O ₂ BO ₃ (x ≈ 0.14). Physics of the Solid State, 2009, 51, 966-969.	0.6	13
32	Electronic transitions in the VBO ₃ single crystal at high pressures. JETP Letters, 2008, 88, 762-766.	1.4	2
33	Magnetic and electrical properties of cobalt oxyborate Co ₃ BO ₅ . Physics of the Solid State, 2007, 49, 651-653.	0.6	27
34	Effect of strontium and barium doping on the magnetic state and electrical conductivity of GdCoO ₃ . Physics of the Solid State, 2007, 49, 1498-1506.	0.6	17
35	Low-temperature magnetic behavior of the rare-earth cobaltites GdCoO ₃ and SmCoO ₃ . Physics of the Solid State, 2007, 49, 2126-2131.	0.6	32
36	¹¹ B-NMR Study of the Ferromagnet VBO ₃ . AIP Conference Proceedings, 2006, , .	0.4	0

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37	Electronic properties of $\text{Fe}_{1-x}\text{V}_x\text{BO}_3$ at ambient conditions and at high pressure. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S795-S800.	1.8	1
38	Mössbauer effect study in $\text{Fe}_{1-x}\text{V}_x\text{BO}_3$ solid solutions. <i>Physics of the Solid State</i> , 2004, 46, 1088-1094.	0.6	6
39	Analysis of the electrical and optical properties of VBO_3 single crystals and $\text{Fe}_{1-x}\text{V}_x\text{BO}_3$ solid solutions on the basis of a many-electron model of energy band structure. <i>Physics of the Solid State</i> , 2004, 46, 1462-1468.	0.6	7
40	Magnetic anisotropy of the VBO_3 and CrBO_3 transition-metal borates. <i>Physics of the Solid State</i> , 2003, 45, 287-291.	0.6	11
41	Magnetic and electrical properties of $\text{Fe}_{1.91}\text{V}_{0.09}\text{BO}_4$ warwickite. <i>Journal of Experimental and Theoretical Physics</i> , 2003, 97, 989-995.	0.9	10
42	Magnetic, optical, and electrical properties of solid solutions $\text{V}_x\text{Fe}_{1-x}\text{BO}_3$. <i>Journal of Experimental and Theoretical Physics</i> , 2002, 94, 299-306.	0.9	21
43	Effect of thermal instability on the magnetic properties of $\text{Cu}_{1-x}\text{Zn}_x\text{Cr}_2\text{Se}_4$ solid solutions. <i>Physics of the Solid State</i> , 2002, 44, 1720-1722.	0.6	0
44	On the Two-Phase Magnetic State in a $\text{Cu}_{1-x}\text{Zn}_x\text{Cr}_2\text{Se}_4$ Cation-Substituted Chalcogenide Spinel. <i>Physics of the Solid State</i> , 2001, 43, 1089.	0.6	0