

# Andrey A Demidov

## List of Publications by Year in descending order

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33  
papers

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840728  
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794568  
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docs citations

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194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic properties of Ho <sub>0.9</sub> Er <sub>0.1</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Journal of Physics: Conference Series, 2019, 1389, 012045.	0.4	0
2	Magnetic and Magnetodielectric Properties of Ho <sub>0.5</sub> Nd <sub>0.5</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Physics of the Solid State, 2018, 60, 1989-1998. <a href="#">Interplay of rare-earth and transition-metal subsystems in <math>\text{R}_2\text{Fe}_3(\text{BO}_3)_4</math></a>	0.6	4
3	$\text{Pr}_{1-x}\text{Y}_x\text{Fe}_3(\text{BO}_3)_4$ transformation from an easy-plane to an easy-axis antiferromagnetic structure in the mixed rare-earth ferrobates <a href="#">Physical Review B, 2017, 96, 020407</a>	3.2	17
4	Pr <sub>x</sub> Y <sub>1-x</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> : magnetic properties and crystal field calculations. Journal of Physics Condensed Matter, 2016, 28, 396001.	1.8	4
5	Magnetic Properties of Pr <sub>1-x</sub> Y <sub>x</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Solid State Phenomena, 2015, 233-234, 360-363.	0.3	0
6	Magnetolectric and magnetic properties of aluminum borates Ho <sub>1-x</sub> Nd <sub>x</sub> Al <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . JETP Letters, 2015, 101, 318-324.	1.4	4
7	Inclined magnetic structure of iron borate Pr <sub>x</sub> Y <sub>1-x</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> : A neutron diffraction study and crystal-field calculations. Physical Review B, 2015, 91, .	3.2	10
8	Magnetic, magnetoelastic, and spectroscopic properties of TmAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Journal of Experimental and Theoretical Physics, 2014, 119, 737-744.	0.9	7
9	Magnetic susceptibility and heat capacity of Ho <sub>0.5</sub> Nd <sub>0.5</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Physica B: Condensed Matter, 2014, 440, 73-77.	2.7	2
10	Magnetization, magnetolectric polarization, and specific heat of HoGa <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . JETP Letters, 2014, 99, 67-75.	1.4	26
11	Magnetostriction and thermal expansion of HoAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Physics of the Solid State, 2014, 56, 511-517.	0.6	3
12	Magnetic properties of the rare-earth ferrobate SmFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Journal of Experimental and Theoretical Physics, 2013, 116, 800-805.	0.9	7
13	Features of the magnetic and magnetolectric properties of HoAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . JETP Letters, 2013, 97, 528-534.	1.4	29
14	Magnetic properties of the Nd <sub>0.95</sub> Dy <sub>0.05</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> ferrobate with small substitution in the rare-earth element subsystem. Journal of Experimental and Theoretical Physics, 2013, 117, 862-874.	0.9	4
15	Magnetic Properties of Nd <sub>0.6</sub> Dy <sub>0.4</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Solid State Phenomena, 2012, 190, 261-264.	0.3	2
16	Magnetic Properties of Sm <sub>0.7</sub> Ho <sub>0.3</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Journal of Experimental and Theoretical Physics, 2012, 115, 815-828.	0.9	7
17	Magnetic properties of Nd <sub>0.9</sub> Dy <sub>0.1</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Physica B: Condensed Matter, 2012, 407, 393-397.	2.7	7
18	Magnetic phase transitions in Nd <sub>1-x</sub> Dy <sub>x</sub> Fe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> ferrobates. Journal of Experimental and Theoretical Physics, 2012, 114, 259-272.	0.9	13

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19	Magnetic properties of $Tb_{1-x}Er_xFe_3(BO_3)_4$ ( $x = 0.75, 1$ ). <i>Physics of the Solid State</i> , 2012, 54, 537-550.	0.6	3
20	Magnetic properties of $HoFe_3(BO_3)_4$ . <i>Physics of the Solid State</i> , 2011, 53, 985-996.	0.6	29
21	Magnetostriction in the rare-earth ferrobates $RFe_3(BO_3)_4$ , $R=Pr$ and $Tb$ . <i>Physica B: Condensed Matter</i> , 2009, 404, 213-216.	2.7	13
22	Magnetic properties of $DyFe_3(BO_3)_4$ . <i>Journal of Experimental and Theoretical Physics</i> , 2008, 106, 723-730.	0.9	18
23	Crystal field effects in rare-earth ferrobates $RFe_3(BO_3)_4$ with $R = Nd, Tb, Dy$ , or $Er$ . <i>Physics of the Solid State</i> , 2008, 50, 1677-1680.	0.6	10
24	Magnetization and specific heat of $TbFe_3(BO_3)_4$ : Experiment and crystal-field calculations. <i>Physical Review B</i> , 2007, 75, .	3.2	69
25	Magnetoelastic effects in the trigonal $RFe_3(BO_3)_4$ crystals: $R=Nd, Tb, Dy$ . <i>Physica B: Condensed Matter</i> , 2007, 398, 78-84.	2.7	17
26	Magnetic properties of $TbFe_3(BO_3)_4$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e717-e720.	2.3	15
27	Magnetic properties of an easy-plane trigonal $NdFe_3(BO_3)_4$ antiferromagnet. <i>Journal of Experimental and Theoretical Physics</i> , 2007, 104, 897-905.	0.9	26
28	Quadrupole ordering destruction and crossover in the Jahn-Teller compound $TbVO_4$ . <i>Physica B: Condensed Matter</i> , 2005, 363, 245-251.	2.7	10
29	Effect of a strong magnetic field on the quadrupole and magnetic orders and crossover in the Jahn-Teller magnet $DyVO_4$ . <i>Journal of Experimental and Theoretical Physics</i> , 2004, 99, 197-201.	0.9	1
30	Phase transitions and crossover at high magnetic fields in the Jahn-Teller compound $DyVO_4$ . <i>Physical Review B</i> , 2004, 70, .	3.2	10
31	Magnetic ordering near crossover in singlet paramagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 590-593.	2.3	8
32	Crossover in the Van Vleck paramagnet $TmPO_4$ . <i>Physica B: Condensed Matter</i> , 2003, 336, 335-343.	2.7	11
33	Features of Magnetic, Magnetoelectric and Magnetoelastic Properties of $HoAl_3(BO_3)_4$ . <i>Solid State Phenomena</i> , 0, 215, 352-357.	0.3	0