

# A I Dmitriev

## List of Publications by Citations

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68

papers

265

citations

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h-index

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g-index

69

ext. papers

288

ext. citations

1

avg, IF

3.06

L-index

#	Paper	IF	Citations
68	Percolation ferromagnetism and spin waves in Ge:Mn thin films. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	22
67	Bifurcation of magnetic anisotropy caused by small addition of Sm in (Nd <sub>1-x</sub> Sm <sub>x</sub> Dy)(FeCo)B magnetic alloy. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 243903	2.5	14
66	Spin dynamics in magnetic semiconductor nanostructures. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 1985-2002	0.8	13
65	Spin-wave resonance in Ge <sub>1-x</sub> Mn <sub>x</sub> films exhibiting percolation ferromagnetism. <i>Journal of Experimental and Theoretical Physics</i> , <b>2009</b> , 108, 985-991	1	12
64	Magnetic phase transition in e-In <sub>x</sub> Fe <sub>2-3x</sub> O <sub>3</sub> nanowires. <i>Physics of the Solid State</i> , <b>2013</b> , 55, 2252-2259	0.8	11
63	Magnetic field effect on spin dependent conversion of nonequilibrium Si-D chemical bonds on the Czochralski-grown Si crystal surface. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 044905	2.5	11
62	Spin-reorientation transition in e-In <sub>0.24</sub> Fe <sub>1.76</sub> O <sub>3</sub> nanowires. <i>Physics of the Solid State</i> , <b>2014</b> , 56, 1795-1798	0.8	10
61	Electron spin resonance in InGaAs/GaAs heterostructures with a manganese layer. <i>Journal of Experimental and Theoretical Physics</i> , <b>2011</b> , 112, 317-326	1	10
60	Electron spin resonance of charge carriers and antiferromagnetic clusters in Ge <sub>0.99</sub> Cr <sub>0.01</sub> nanowires. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 093922	2.5	10
59	Influence of the regime of plastic deformation on the magnetic properties of single-crystal silicon Cz-Si. <i>Physics of the Solid State</i> , <b>2011</b> , 53, 1547-1553	0.8	8
58	Magnetic fluctuations sorted by magnetic field in MnSb clusters embedded in GaMnSb thin films. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 073905	2.5	8
57	Magnetic noise as the cause of the spontaneous magnetization reversal of RE <sub>2</sub> MB permanent magnets. <i>Journal of Experimental and Theoretical Physics</i> , <b>2016</b> , 123, 303-307	1	8
56	Generality of spontaneous and stimulated magnetization reversal in MnSb clusters embedded in GaMnSb thin films. <i>Physics of the Solid State</i> , <b>2017</b> , 59, 1734-1738	0.8	7
55	Photoluminescence response of a quantum well to a change in the magnetic field of the Mn layer in InGaAs/GaAs heterostructures. <i>Journal of Experimental and Theoretical Physics</i> , <b>2011</b> , 113, 138-147	1	7
54	Ferromagnetic resonance of cobalt nanoparticles in the polymer shell. <i>Physics of the Solid State</i> , <b>2007</b> , 49, 1507-1513	0.8	7
53	Thiacalix[4]arene-containing M <sub>2</sub> Ln <sub>2</sub> complexes (M = MnII, CoII; Ln = EuIII, PrIII): synthesis, structure, and magnetic properties. <i>Russian Chemical Bulletin</i> , <b>2014</b> , 63, 1465-1474	1.7	6
52	Magnetic resonance in Ge <sub>0.99</sub> Mn <sub>0.01</sub> nanowires. <i>Physics of the Solid State</i> , <b>2007</b> , 49, 296-301	0.8	6

51	Anomalous effect of Sm additives on the magnetic properties of (Nd <sub>1-x</sub> Sm <sub>x</sub> Dy)(FeCo)B intermetallics. <i>Journal of Experimental and Theoretical Physics</i> , <b>2015</b> , 121, 429-436	1	5
50	First MnIII complexes with tetradentate (N <sub>2</sub> O <sub>2</sub> ) Schiff bases and tricyanomethanide: synthesis, crystal structure, and magnetic properties. <i>Russian Chemical Bulletin</i> , <b>2013</b> , 62, 1777-1785	1.7	5
49	Spin dynamics of charge carriers in the process of their localization in $\sqrt{2}\sqrt{2}$ (BEDT-TTF) <sub>2</sub> IBr <sub>2</sub> single crystals. <i>Journal of Experimental and Theoretical Physics</i> , <b>2010</b> , 111, 857-864	1	5
48	Spin dynamics in oriented ferromagnetic nanowires Ge <sub>0.99</sub> Co <sub>0.01</sub> . <i>Physics of the Solid State</i> , <b>2008</b> , 50, 1103-1109	0.8	5
47	Effect of samarium impurity on the relaxation of the magnetization of a (NdDy)(FeCo)B alloy. <i>Physics of the Solid State</i> , <b>2016</b> , 58, 1582-1586	0.8	4
46	Photomagnetic effect in molecular magnets based on nitrosyl complexes of ruthenium and rare-earth ions. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 2095-2100	0.8	4
45	Effect of the magnetic anisotropy energy distribution of MnSb clusters on spontaneous magnetization reversal of GaMnSb thin films. <i>Physics of the Solid State</i> , <b>2016</b> , 58, 2005-2010	0.8	4
44	Heat-Treatment Induced Magnetic Anisotropy of GaMnSb Films. <i>Journal of Experimental and Theoretical Physics</i> , <b>2018</b> , 127, 525-531	1	4
43	Isotope-induced generation of paramagnetic defects under plastic deformation of <sup>29</sup> Si crystals. <i>Physics of the Solid State</i> , <b>2015</b> , 57, 100-105	0.8	3
42	Temporal Stability of Magnetization of $\sqrt{2}\sqrt{2}$ Fe <sub>1.76</sub> O <sub>3</sub> Nanoparticles. <i>Technical Physics Letters</i> , <b>2018</b> , 44, 137-140	0.7	3
41	Electron and nuclear spin dynamics in plastically deformed silicon crystals enriched in isotope <sup>29</sup> Si. <i>Journal of Experimental and Theoretical Physics</i> , <b>2014</b> , 118, 621-629	1	3
40	Magnetomechanical effect in silicon (Cz-Si) surface layers. <i>Physics of the Solid State</i> , <b>2012</b> , 54, 1433-1439	0.8	3
39	Ferromagnetism of nanoclusters of chromium alloys and luminescence quenching in ZnSe/ZnMgSSe/ZnSSe: Cr heterostructures. <i>Physics of the Solid State</i> , <b>2013</b> , 55, 1870-1877	0.8	3
38	Competing ferro- and antiferromagnetic interactions in (manganese,sodium)phenylsilsesquioxane with metal oxide fragments. <i>Russian Chemical Bulletin</i> , <b>2012</b> , 61, 200-203	1.7	3
37	Photochromic single-molecule magnets based on oxocarboxylate Mn <sub>12</sub> clusters and mononitrosyl Ru complexes. <i>Russian Chemical Bulletin</i> , <b>2011</b> , 60, 1078-1084	1.7	3
36	Ordered nanowires of photochromic compounds based on spiropyrane and transition metal complexes. <i>Nanotechnologies in Russia</i> , <b>2009</b> , 4, 828-833	0.6	3
35	Competition between band and hopping carrier transport in Ge : Mn thin films. <i>Physics of the Solid State</i> , <b>2017</b> , 59, 538-542	0.8	2
34	Effect of Heat Treatment on the Dispersion of the Magnetic Anisotropy of MnSb Nano-inclusions Embedded in Thin GaMnSb Films. <i>Physics of the Solid State</i> , <b>2019</b> , 61, 523-529	0.8	2

33	Spontaneous spin-reorientation transition in (NdSmDy)(FeCo)B alloys. <i>Physics of the Solid State</i> , <b>2016</b> , 58, 2449-2452	0.8	2
32	Kinetics of oxidation of subsurface layers of 29Si-enriched silicon in a magnetic field. <i>Physics of the Solid State</i> , <b>2014</b> , 56, 1443-1448	0.8	2
31	Effect of temperature conditions of ion implantation on percolation ferromagnetism in Ge <sub>0.98</sub> Mn <sub>0.02</sub> thin films. <i>Physics of the Solid State</i> , <b>2012</b> , 54, 1370-1373	0.8	2
30	Influence of dehydration on the electron spin resonance in the Cu <sub>3</sub> [W(CN) <sub>8</sub> ] <sub>2</sub> (Pyrimidine) <sub>2</sub> · 8H <sub>2</sub> O molecular magnet. <i>Physics of the Solid State</i> , <b>2013</b> , 55, 990-994	0.8	2
29	Epsilon-phase iron(III) oxide nanowires for a magnetic-resonance spin-current source. <i>Journal of Surface Investigation</i> , <b>2015</b> , 9, 442-445	0.5	2
28	Nano- and heterostructures of magnetic semiconductors for spintronics. <i>Russian Chemical Bulletin</i> , <b>2011</b> , 60, 1051-1057	1.7	2
27	Low-temperature phase transition in $\beta$ -(BEDT-TTF) <sub>2</sub> IBr <sub>2</sub> single crystals detected by the ESR method. <i>Physics of the Solid State</i> , <b>2011</b> , 53, 1269-1273	0.8	2
26	Spin-orbit interaction of charge carriers with impurities in aligned Ge <sub>0.99</sub> Me <sub>0.01</sub> (Me = Mn, Cr, Co, Fe) nanowires. <i>Semiconductors</i> , <b>2009</b> , 43, 896-900	0.7	2
25	Electron spin resonance in oriented nanowires Ge <sub>0.99</sub> Cr <sub>0.01</sub> . <i>Physics of the Solid State</i> , <b>2009</b> , 51, 1709-1715	1.5	2
24	Effect of annealing on the microwave magnetoresistance of thin Ge <sub>0.96</sub> Mn <sub>0.04</sub> films. <i>Semiconductors</i> , <b>2010</b> , 44, 303-308	0.7	2
23	Magnetic properties of ordered nanowires of the quasi-two-dimensional antiferromagnet SpFeMn(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> . <i>Physics of the Solid State</i> , <b>2010</b> , 52, 2135-2141	0.8	2
22	Competition of magnetization mechanisms in (NdDy)(FeCo)B alloys, doped with samarium. <i>Low Temperature Physics</i> , <b>2016</b> , 42, 45-49	0.7	2
21	Spontaneous magnetization reversal caused by magnetic fluctuation in GaMnSb thin films. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 816, 012005	0.3	1
20	Influence of the Magnetic Anisotropy Dispersion in Ge <sub>3</sub> Mn <sub>5</sub> Clusters on the Temperature Dependences of Magnetization in Thin Ge:Mn Films. <i>Technical Physics Letters</i> , <b>2019</b> , 45, 34-36	0.7	1
19	Deformation paramagnetic defects in Fz-29Si:P crystals. <i>Semiconductors</i> , <b>2014</b> , 48, 989-995	0.7	1
18	Synthesis and properties of polyvinylpyrrolidone films containing the photomagnetic chromium (tris)oxalate complex. <i>Russian Chemical Bulletin</i> , <b>2013</b> , 62, 554-559	1.7	1
17	Influence of zeolite water on paramagnetic and ferromagnetic resonances in the Co <sub>2</sub> [Nb(CN) <sub>8</sub> ] · 8H <sub>2</sub> O molecular magnet. <i>Physics of the Solid State</i> , <b>2013</b> , 55, 1663-1667	0.8	1
16	Ferromagnetic semiconductor nanostructures for future spintronics. <i>Russian Journal of General Chemistry</i> , <b>2010</b> , 80, 591-603	0.7	1

15	Spin-Wave Resonance in Ge : Mn Thin Films with Percolation Magnetic Ordering. <i>Physics of the Solid State</i> , <b>2018</b> , 60, 921-924	0.8	1
14	Spin-dependent processes in heterostructures based on AlIBV and AlIBVI semiconductors doped with transition metals. <i>Russian Chemical Bulletin</i> , <b>2014</b> , 63, 1690-1695	1.7	0
13	Magnetic Anisotropy of Needlelike Single-Crystal MnSb Inclusions in an InSb Matrix. <i>Technical Physics Letters</i> , <b>2021</b> , 47, 490-493	0.7	0
12	Antiferromagnetic inclusions in organic semiconductor (DOEO) <sub>4</sub> [HgBr <sub>4</sub> ] · TCE. <i>Journal of Surface Investigation</i> , <b>2017</b> , 11, 114-119	0.5	
11	Magnetic Anisotropy in Thin Films of FePt Detected by the Ferromagnetic Resonance Method. <i>Journal of Surface Investigation</i> , <b>2019</b> , 13, 210-214	0.5	
10	Magnetic Properties and Electronic Conductivity of Fe <sub>3</sub> O <sub>4</sub> Magnetite Nanowires. <i>Inorganic Materials</i> , <b>2019</b> , 55, 576-581	0.9	
9	Effect of Growth Temperature and Postgrowth Annealing on Magnetic Properties of Mn <sub>1-x</sub> Sb Nanoparticles Embedded in GaSb Thin Films. <i>Physics of the Solid State</i> , <b>2020</b> , 62, 241-245	0.8	
8	1/f magnetic noise in exotic $\text{In}_{0.24}\text{Fe}_{1.76}\text{O}_3$ nanoparticles. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 816, 012030	0.3	
7	Spontaneous and Induced Magnetization Reversal in Thin GaMnSb Films. <i>Journal of Surface Investigation</i> , <b>2018</b> , 12, 204-207	0.5	
6	Stabilization of the Polarity of (NdSmDy)(FeCo)B Permanent Magnets for Application in Magnetic Undulators. <i>Journal of Surface Investigation</i> , <b>2018</b> , 12, 11-14	0.5	
5	Effect of annealing on the magnetic properties of GaMnSb thin films. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1199, 012025	0.3	
4	Switching of bistable magnetic states in (NdSmDy)(FeCo)B alloy in the vicinity of a spin-reorientation transition. <i>Technical Physics Letters</i> , <b>2017</b> , 43, 645-647	0.7	
3	Universal laws governing the effect of a magnetic field on the properties of solids. <i>Russian Journal of Physical Chemistry B</i> , <b>2014</b> , 8, 816-821	1.2	
2	Effect of nanostructuring of the Ge <sub>1-x</sub> Mn <sub>x</sub> single-crystal alloy on the percolation and cluster ferromagnetism. <i>Physics of the Solid State</i> , <b>2010</b> , 52, 748-751	0.8	
1	Microwave response to a magnetic phase transition in a molecular magnet based on [Mn <sub>12</sub> O <sub>12</sub> (MeCO <sub>2</sub> ) <sub>16</sub> (H <sub>2</sub> O) <sub>4</sub> ] clusters and tetramethyltetrafulvalene molecules. <i>Physics of the Solid State</i> , <b>2007</b> , 49, 997-1003	0.8	