

A I Dmitriev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Percolation ferromagnetism and spin waves in Ge:Mn thin films. <i>Physical Review B</i> , 2009, 80, .	1.1	23
2	Spin dynamics in magnetic semiconductor nanostructures. <i>Physics of the Solid State</i> , 2009, 51, 1985-2002.	0.2	15
3	Magnetic field effect on spin dependent conversion of nonequilibrium Siâ€“O chemical bonds on the Czochralski-grown Si crystal surface. <i>Journal of Applied Physics</i> , 2011, 110, 044905.	1.1	15
4	Bifurcation of magnetic anisotropy caused by small addition of Sm in (Nd _{1-x} Sm _{x}) ₂ (FeCo)B magnetic alloy. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	15
5	Spin-wave resonance in Ge _{1-x} Mn _{x} films exhibiting percolation ferromagnetism. <i>Journal of Experimental and Theoretical Physics</i> , 2009, 108, 985-991.	0.2	13
6	Magnetic phase transition in $\text{In}_{1-x}\text{Fe}_2\text{O}_3$ nanowires. <i>Physics of the Solid State</i> , 2013, 55, 2252-2259.	0.2	12
7	Spin-reorientation transition in $\text{In}_{0.24}\text{Fe}_{1.76}\text{O}_3$ nanowires. <i>Physics of the Solid State</i> , 2014, 56, 1795-1798.	0.2	11
8	Electron spin resonance of charge carriers and antiferromagnetic clusters in Ge _{0.99} Cr _{0.01} nanowires. <i>Journal of Applied Physics</i> , 2009, 105, 093922.	1.1	10
9	Electron spin resonance in InGaAs/GaAs heterostructures with a manganese δ layer. <i>Journal of Experimental and Theoretical Physics</i> , 2011, 112, 317-326.	0.2	10
10	Magnetic fluctuations sorted by magnetic field in MnSb clusters embedded in GaMnSb thin films. <i>Journal of Applied Physics</i> , 2016, 119, 073905.	1.1	9
11	Photoluminescence response of a quantum well to a change in the magnetic field of the Mn δ Layer in InGaAs/GaAs heterostructures. <i>Journal of Experimental and Theoretical Physics</i> , 2011, 113, 138-147.	0.2	8
12	Influence of the regime of plastic deformation on the magnetic properties of single-crystal silicon Cz-Si. <i>Physics of the Solid State</i> , 2011, 53, 1547-1553.	0.2	8
13	Magnetic noise as the cause of the spontaneous magnetization reversal of REâ€“TMâ€“B permanent magnets. <i>Journal of Experimental and Theoretical Physics</i> , 2016, 123, 303-307.	0.2	8
14	Ferromagnetic resonance of cobalt nanoparticles in the polymer shell. <i>Physics of the Solid State</i> , 2007, 49, 1507-1513.	0.2	7
15	Spin dynamics in oriented ferromagnetic nanowires Ge _{0.99} Co _{0.01} . <i>Physics of the Solid State</i> , 2008, 50, 1103-1109.	0.2	7
16	Competing ferro- and antiferromagnetic interactions in (manganese,sodium)phenylsilsesquioxane with metal oxide fragments. <i>Russian Chemical Bulletin</i> , 2012, 61, 200-203.	0.4	7
17	Generality of spontaneous and stimulated magnetization reversal in MnSb clusters embedded in GaMnSb thin films. <i>Physics of the Solid State</i> , 2017, 59, 1734-1738.	0.2	7
18	Magnetic resonance in Ge _{0.99} Mn _{0.01} nanowires. <i>Physics of the Solid State</i> , 2007, 49, 296-301.	0.2	6

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19	First MnIII complexes with tetradentate (N ₂ O ₂) Schiff bases and tricyanomethanide: synthesis, crystal structure, and magnetic properties. Russian Chemical Bulletin, 2013, 62, 1777-1785.	0.4	6
20	Thiacalix[4]arene-containing M ₂ Ln ₂ complexes (M = MnII, CoII; Ln = EuIII, PrIII): synthesis, structure, and magnetic properties. Russian Chemical Bulletin, 2014, 63, 1465-1474.	0.4	6
21	Photomagnetic effect in molecular magnets based on nitrosyl complexes of ruthenium and rare-earth ions. Physics of the Solid State, 2009, 51, 2095-2100.	0.2	5
22	Spin dynamics of charge carriers in the process of their localization in $\text{Eu}^{\text{TM}}\text{-(BEDT-TTF)}_2\text{I}^{\text{Br}}_2$ single crystals. Journal of Experimental and Theoretical Physics, 2010, 111, 857-864.	0.2	5
23	Anomalous effect of Sm additives on the magnetic properties of (Nd _{1-x} Sm _x Dy)(FeCo)B intermetallics. Journal of Experimental and Theoretical Physics, 2015, 121, 429-436.	0.2	5
24	Magnetomechanical effect in silicon (Cz-Si) surface layers. Physics of the Solid State, 2012, 54, 1433-1439.	0.2	4
25	Effect of the magnetic anisotropy energy distribution of MnSb clusters on spontaneous magnetization reversal of GaMnSb thin films. Physics of the Solid State, 2016, 58, 2005-2010.	0.2	4
26	Effect of samarium impurity on the relaxation of the magnetization of a (NdDy)(FeCo)B alloy. Physics of the Solid State, 2016, 58, 1582-1586.	0.2	4
27	Heat-Treatment Induced Magnetic Anisotropy of GaMnSb Films. Journal of Experimental and Theoretical Physics, 2018, 127, 525-531.	0.2	4
28	Ordered nanowires of photochromic compounds based on spiropyrane and transition metal complexes. Nanotechnologies in Russia, 2009, 4, 828-833.	0.7	3
29	Ferromagnetic semiconductor nanostructures – future spintronics. Russian Journal of General Chemistry, 2010, 80, 591-603.	0.3	3
30	Nano- and heterostructures of magnetic semiconductors for spintronics. Russian Chemical Bulletin, 2011, 60, 1051-1057.	0.4	3
31	Photochromic single-molecule magnets based on oxocarboxylate Mn ₁₂ clusters and mononitrosyl Ru complexes. Russian Chemical Bulletin, 2011, 60, 1078-1084.	0.4	3
32	Synthesis and properties of polyvinylpyrrolidone films containing the photomagnetic chromium (tris)oxalate complex. Russian Chemical Bulletin, 2013, 62, 554-559.	0.4	3
33	Ferromagnetism of nanoclusters of chromium alloys and luminescence quenching in ZnSe/ZnMgSSe/ZnSSe: Cr heterostructures. Physics of the Solid State, 2013, 55, 1870-1877.	0.2	3
34	Kinetics of oxidation of subsurface layers of ²⁹ Si-enriched silicon in a magnetic field. Physics of the Solid State, 2014, 56, 1443-1448.	0.2	3
35	Electron and nuclear spin dynamics in plastically deformed silicon crystals enriched in isotope ²⁹ Si. Journal of Experimental and Theoretical Physics, 2014, 118, 621-629.	0.2	3
36	Isotope-induced generation of paramagnetic defects under plastic deformation of ²⁹ Si crystals. Physics of the Solid State, 2015, 57, 100-105.	0.2	3

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37	Temporal Stability of Magnetization of $\hat{\mu}$ -In _{0.24} Fe _{1.76} O ₃ Nanoparticles. Technical Physics Letters, 2018, 44, 137-140.	0.2	3
38	Spin-orbit interaction of charge carriers with impurities in aligned Ge _{0.99} Me _{0.01} (Me = Mn, Cr, Co, Fe) nanowires. Semiconductors, 2009, 43, 896-900.	0.2	2
39	Electron spin resonance in oriented nanowires Ge _{0.99} Cr _{0.01} . Physics of the Solid State, 2009, 51, 1709-1715.	0.2	2
40	Effect of annealing on the microwave magnetoresistance of thin Ge _{0.96} Mn _{0.04} films. Semiconductors, 2010, 44, 303-308.	0.2	2
41	Magnetic properties of ordered nanowires of the quasi-two-dimensional antiferromagnet SpFeMn(C ₂ O ₄) ₃ . Physics of the Solid State, 2010, 52, 2135-2141.	0.2	2
42	Low-temperature phase transition in $\hat{I}\hat{\alpha}\hat{\epsilon}^2$ -(BEDT-TTF) ₂ I ₂ Br ₂ single crystals detected by the ESR method. Physics of the Solid State, 2011, 53, 1269-1273.	0.2	2
43	Effect of temperature conditions of ion implantation on percolation ferromagnetism in Ge _{0.98} Mn _{0.02} thin films. Physics of the Solid State, 2012, 54, 1370-1373.	0.2	2
44	Influence of dehydration on the electron spin resonance in the Cu ₃ [W(CN) ₈] ₂ (Pyrimidine) ₂ · 8H ₂ O molecular magnet. Physics of the Solid State, 2013, 55, 990-994.	0.2	2
45	Epsilon-phase iron(III) oxide nanowires for a magnetic-resonance spin-current source. Journal of Surface Investigation, 2015, 9, 442-445.	0.1	2
46	Competition of magnetization mechanisms in (NdDy)(FeCo)B alloys, doped with samarium. Low Temperature Physics, 2016, 42, 45-49.	0.2	2
47	Spontaneous spin-reorientation transition in (NdSmDy)(FeCo)B alloys. Physics of the Solid State, 2016, 58, 2449-2452.	0.2	2
48	Spontaneous magnetization reversal caused by magnetic fluctuation in GaMnSb thin films. Journal of Physics: Conference Series, 2017, 816, 012005.	0.3	2
49	Competition between band and hopping carrier transport in Ge : Mn thin films. Physics of the Solid State, 2017, 59, 538-542.	0.2	2
50	Magnetic Properties and Electronic Conductivity of Fe ₃ O ₄ Magnetite Nanowires. Inorganic Materials, 2019, 55, 576-581.	0.2	2
51	Effect of Heat Treatment on the Dispersion of the Magnetic Anisotropy of MnSb Nano-inclusions Embedded in Thin GaMnSb Films. Physics of the Solid State, 2019, 61, 523-529.	0.2	2
52	Magnetic Anisotropy of Needlelike Single-Crystal MnSb Inclusions in an InSb Matrix. Technical Physics Letters, 2021, 47, 490-493.	0.2	2
53	Influence of zeolite water on paramagnetic and ferromagnetic resonances in the Co ₂ [Nb(CN) ₈] · 8H ₂ O molecular magnet. Physics of the Solid State, 2013, 55, 1663-1667.	0.2	1
54	Spin-dependent processes in heterostructures based on AlIBV and AlIBVI semiconductors doped with transition metals. Russian Chemical Bulletin, 2014, 63, 1690-1695.	0.4	1

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55	Deformation paramagnetic defects in Fz-29Si:P crystals. Semiconductors, 2014, 48, 989-995.	0.2	1
56	Spin-Wave Resonance in Ge : Mn Thin Films with Percolation Magnetic Ordering. Physics of the Solid State, 2018, 60, 921-924.	0.2	1
57	Influence of the Magnetic Anisotropy Dispersion in Ge ₃ Mn ₅ Clusters on the Temperature Dependences of Magnetization in Thin Ge:Mn Films. Technical Physics Letters, 2019, 45, 34-36.	0.2	1
58	Microwave response to a magnetic phase transition in a molecular magnet based on [Mn ₁₂ O ₁₂ (MeCO ₂) ₁₆ (H ₂ O) ₄] clusters and tetramethyltetrathiafulvalene molecules. Physics of the Solid State, 2007, 49, 997-1003.	0.2	0
59	Effect of nanostructuring of the Ge _{1-x} Mn _x single-crystal alloy on the percolation and cluster ferromagnetism. Physics of the Solid State, 2010, 52, 748-751.	0.2	0
60	Universal laws governing the effect of a magnetic field on the properties of solids. Russian Journal of Physical Chemistry B, 2014, 8, 816-821.	0.2	0
61	Antiferromagnetic inclusions in organic semiconductor (DOEO) ₄ [HgBr ₄] · TCE. Journal of Surface Investigation, 2017, 11, 114-119.	0.1	0
62	Switching of bistable magnetic states in (NdSmDy)(FeCo)B alloy in the vicinity of a spin-reorientation transition. Technical Physics Letters, 2017, 43, 645-647.	0.2	0
63	1/f magnetic noise in exotic $\mu\text{-In}_{0.24}\text{Fe}_{1.76}\text{O}_3$ nanoparticles. Journal of Physics: Conference Series, 2017, 816, 012030.	0.3	0
64	Spontaneous and Induced Magnetization Reversal in Thin GaMnSb Films. Journal of Surface Investigation, 2018, 12, 204-207.	0.1	0
65	Stabilization of the Polarity of (NdSmDy)(FeCo)B Permanent Magnets for Application in Magnetic Undulators. Journal of Surface Investigation, 2018, 12, 11-14.	0.1	0
66	Effect of annealing on the magnetic properties of GaMnSb thin films. Journal of Physics: Conference Series, 2019, 1199, 012025.	0.3	0
67	Magnetic Anisotropy in Thin Films of FePt Detected by the Ferromagnetic Resonance Method. Journal of Surface Investigation, 2019, 13, 210-214.	0.1	0
68	Effect of Growth Temperature and Postgrowth Annealing on Magnetic Properties of Mn _{1-x} Sb Nanoparticles Embedded in GaSb Thin Films. Physics of the Solid State, 2020, 62, 241-245.	0.2	0