Alexei I Dmitriev

List of Publications by Year
in descending order

45	190	1307594 7	1281871 11
papers	citations	h-index	g-index

45	45	45	160
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spin dynamics in magnetic semiconductor nanostructures. Physics of the Solid State, 2009, 51, 1985-2002.	0.6	15
2	Bifurcation of magnetic anisotropy caused by small addition of Sm in (Nd1â^'xSmxDy)(FeCo)B magnetic alloy. Journal of Applied Physics, 2015, 117, .	2.5	15
3	Electron spin resonance in Ge nanowires doped with Mn. Journal of Magnetism and Magnetic Materials, 2007, 310, e824-e826.	2.3	12
4	Magnetic phase transition in É›-In x Fe2 â^' x O3 nanowires. Physics of the Solid State, 2013, 55, 2252-2259.	0.6	12
5	Spin-reorientation transition in É›-In0.24Fe1.76O3 nanowires. Physics of the Solid State, 2014, 56, 1795-1798.	0.6	11
6	Influence of the regime of plastic deformation on the magnetic properties of single-crystal silicon Cz-Si. Physics of the Solid State, 2011, 53, 1547-1553.	0.6	8
7	Ferromagnetic resonance of cobalt nanoparticles in the polymer shell. Physics of the Solid State, 2007, 49, 1507-1513.	0.6	7
8	Spin dynamics in oriented ferromagnetic nanowires Ge0.99Co0.01. Physics of the Solid State, 2008, 50, 1103-1109.	0.6	7
9	Competing ferro- and antiferromagnetic interactions in (manganese,sodium)phenylsilsesquioxane with metal oxide fragments. Russian Chemical Bulletin, 2012, 61, 200-203.	1.5	7
10	Synthesis particularities, structure and properties of the radical cation salts Ï‰-(BEDT-TTF)5M(SCN)6Â·C2H5OH, M=Mn, Ni. Synthetic Metals, 2014, 195, 75-82.	3.9	7
11	Magnetic resonance in Ge0.99Mn0.01 nanowires. Physics of the Solid State, 2007, 49, 296-301.	0.6	6
12	Bifunctional supramolecular systems on the platform of p-sulfonatothiacalix[4]arene containing photochromic mononitrosyl Ru (II) and paramagnetic aqua Gd or Dy complexes. Physica B: Condensed Matter, 2010, 405, S30-S33.	2.7	6
13	Thiacalix[4]arene-containing M2Ln2 complexes (M = MnII, CoII; Ln = EuIII, PrIII): synthesis, structure, and magnetic properties. Russian Chemical Bulletin, 2014, 63, 1465-1474.	1.5	6
14	Photomagnetic effect in molecular magnets based on nitrosyl complexes of ruthenium and rare-earth ions. Physics of the Solid State, 2009, 51, 2095-2100.	0.6	5
15	Accurate tuning of (NdDySm)(FeCo)B coercivity by Sm magnetic anisotropy. European Physical Journal Plus, 2016, 131, 1.	2.6	5
16	Magnetomechanical effect in silicon (Cz-Si) surface layers. Physics of the Solid State, 2012, 54, 1433-1439.	0.6	4
17	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.	0.6	4
18	Ordered nanowires of photochromic compounds based on spiropyrane and transition metal complexes. Nanotechnologies in Russia, 2009, 4, 828-833.	0.7	3

#	Article	IF	Citations
19	Ferromagnetic semiconductor nanostructuresâ€"future spintronics. Russian Journal of General Chemistry, 2010, 80, 591-603.	0.8	3
20	Charge orderâ€"disorder phase transition detected by EPR in Î±â€²-(BEDT-TTF)2IBr2. Physica B: Condensed Matter, 2010, 405, S138-S140.	2.7	3
21	Nano- and heterostructures of magnetic semiconductors for spintronics. Russian Chemical Bulletin, 2011, 60, 1051-1057.	1.5	3
22	Photochromic single-molecule magnets based on oxocarboxylate Mn12 clusters and mononitrosyl Ru complexes. Russian Chemical Bulletin, 2011, 60, 1078-1084.	1.5	3
23	ESR Spectra of Charge Carriers in the <i>Î±'</i>- and <i>Î²</i>- Phases of (BEDT-TTF)₂IBr₂ Single Crystals. Solid State Phenomena, 0, 190, 615-618.	0.3	3
24	Synthesis and properties of polyvinylpyrrolidone films containing the photomagnetic chromium (tris)oxalate complex. Russian Chemical Bulletin, 2013, 62, 554-559.	1.5	3
25	Ferromagnetism of nanoclusters of chromium alloys and luminescence quenching in ZnSe/ZnMgSSe/ZnSSe: Cr heterostructures. Physics of the Solid State, 2013, 55, 1870-1877.	0.6	3
26	Kinetics of oxidation of subsurface layers of 29Si-enriched silicon in a magnetic field. Physics of the Solid State, 2014, 56, 1443-1448.	0.6	3
27	The influence of magnetic field and temperature on spin-reorientation transitions in Îµ-In0.043Fe1.957O3nanoparticles. Low Temperature Physics, 2015, 41, 917-921.	0.6	3
28	Isotope-induced generation of paramagnetic defects under plastic deformation of 29Si crystals. Physics of the Solid State, 2015, 57, 100-105.	0.6	3
29	Spin-orbit interaction of charge carriers with impurities in aligned Ge0.99Me0.01 (Me = Mn, Cr, Co, Fe) nanowires. Semiconductors, 2009, 43, 896-900.	0.5	2
30	Electron spin resonance in oriented nanowires Ge0.99Cr0.01. Physics of the Solid State, 2009, 51, 1709-1715.	0.6	2
31	Effect of annealing on the microwave magnetoresistance of thin Ge0.96Mn0.04 films. Semiconductors, 2010, 44, 303-308.	0.5	2
32	Magnetic properties of ordered nanowires of the quasi-two-dimensional antiferromagnet SpFeMn(C2O4)3. Physics of the Solid State, 2010, 52, 2135-2141.	0.6	2
33	Low-temperature phase transition in Î±â€²-(BEDT-TTF)2IBr2 single crystals detected by the ESR method. Physics of the Solid State, 2011, 53, 1269-1273.	0.6	2
34	Effect of temperature conditions of ion implantation on percolation ferromagnetism in Ge0.98Mn0.02 thin films. Physics of the Solid State, 2012, 54, 1370-1373.	0.6	2
35	Influence of dehydration on the electron spin resonance in the Cu3[W(CN)8]2(Pyrimidine)2 Â· 8H2O molecular magnet. Physics of the Solid State, 2013, 55, 990-994.	0.6	2
36	Competition of magnetization mechanisms in (NdDy)(FeCo)B alloys, doped with samarium. Low Temperature Physics, 2016, 42, 45-49.	0.6	2

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37	GaAs:Mn Layer Magnetization in GaAs-Based Heterostructures Containing InGaAs Quantum Well. Solid State Phenomena, 2012, 190, 550-553.	0.3	1
38	Influence of zeolite water on paramagnetic and ferromagnetic resonances in the Co2[Nb(CN)8] Â· 8H2O molecular magnet. Physics of the Solid State, 2013, 55, 1663-1667.	0.6	1
39	Spin-dependent processes in heterostructures based on AIIIBV and AIIBVI semiconductors doped with transition metals. Russian Chemical Bulletin, 2014, 63, 1690-1695.	1.5	1
40	Deformation paramagnetic defects in Fz-29Si:P crystals. Semiconductors, 2014, 48, 989-995.	0.5	1
41	Microwave response to a magnetic phase transition in a molecular magnet based on [Mn12O12(MeCO2)16(H2O)4] clusters and tetramethyltetrathiafulvalene molecules. Physics of the Solid State, 2007, 49, 997-1003.	0.6	0
42	Effect of nanostructuring of the Ge1 â^' x Mn x single-crystal alloy on the percolation and cluster ferromagnetism. Physics of the Solid State, 2010, 52, 748-751.	0.6	0
43	Low-Temperature Phase Transition Detected by ESR in Î±â€²-(BEDT-TTF)2IBr2 Single Crystals. Applied Magnetic Resonance, 2011, 41, 363-370.	1.2	0
44	Universal laws governing the effect of a magnetic field on the properties of solids. Russian Journal of Physical Chemistry B, 2014, 8, 816-821.	1.3	0
45	Filtering of canted magnetic phase of SpFeMn(C2O4)3 in membrane nanopores. Journal of Magnetism and Magnetic Materials, 2015, 377, 480-484.	2.3	0