

Alexei I Dmitriev

List of Publications by Year in descending order

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45
papers

190
citations

1307594

7
h-index

1281871

11
g-index

45
all docs

45
docs citations

45
times ranked

160
citing authors

#	ARTICLE	IF	CITATIONS
1	Competition of magnetization mechanisms in (NdDy)(FeCo)B alloys, doped with samarium. Low Temperature Physics, 2016, 42, 45-49.	0.6	2
2	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
3	Accurate tuning of (NdDySm)(FeCo)B coercivity by Sm magnetic anisotropy. European Physical Journal Plus, 2016, 131, 1.	2.6	5
4	Bifurcation of magnetic anisotropy caused by small addition of Sm in (Nd _{1-x} Sm _x Dy)(FeCo)B magnetic alloy. Journal of Applied Physics, 2015, 117, .	2.5	15
5	The influence of magnetic field and temperature on spin-reorientation transitions in $\mu\text{-In}_{0.043}\text{Fe}_{1.957}\text{O}_3$ nanoparticles. Low Temperature Physics, 2015, 41, 917-921.	0.6	3
6	Isotope-induced generation of paramagnetic defects under plastic deformation of ²⁹ Si crystals. Physics of the Solid State, 2015, 57, 100-105.	0.6	3
7	Filtering of canted magnetic phase of $\text{SpFeMn}(\text{C}_2\text{O}_4)_3$ in membrane nanopores. Journal of Magnetism and Magnetic Materials, 2015, 377, 480-484.	2.3	0
8	Thiacalix[4]arene-containing M_2Ln_2 complexes (M = MnII, CoII; Ln = EuIII, PrIII): synthesis, structure, and magnetic properties. Russian Chemical Bulletin, 2014, 63, 1465-1474.	1.5	6
9	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
10	Spin-dependent processes in heterostructures based on AlIBV and AlIBVI semiconductors doped with transition metals. Russian Chemical Bulletin, 2014, 63, 1690-1695.	1.5	1
11	Deformation paramagnetic defects in ²⁹ Si:P crystals. Semiconductors, 2014, 48, 989-995.	0.5	1
12	Kinetics of oxidation of subsurface layers of ²⁹ Si-enriched silicon in a magnetic field. Physics of the Solid State, 2014, 56, 1443-1448.	0.6	3
13	Spin-reorientation transition in $\text{E}^{\cdot}\text{-In}_{0.24}\text{Fe}_{1.76}\text{O}_3$ nanowires. Physics of the Solid State, 2014, 56, 1795-1798.	0.6	11
14	Synthesis particularities, structure and properties of the radical cation salts $\text{E}^{\cdot}\text{-(BEDT-TTF)}_5\text{M}(\text{SCN})_6\text{C}_2\text{H}_5\text{OH}$, M=Mn, Ni. Synthetic Metals, 2014, 195, 75-82.	3.9	7
15	Influence of dehydration on the electron spin resonance in the $\text{Cu}_3[\text{W}(\text{CN})_8]_2(\text{Pyrimidine})_2 \cdot 8\text{H}_2\text{O}$ molecular magnet. Physics of the Solid State, 2013, 55, 990-994.	0.6	2
16	Synthesis and properties of polyvinylpyrrolidone films containing the photomagnetic chromium (tris)oxalate complex. Russian Chemical Bulletin, 2013, 62, 554-559.	1.5	3
17	Ferromagnetism of nanoclusters of chromium alloys and luminescence quenching in $\text{ZnSe}/\text{ZnMgSSe}/\text{ZnSSe}$: Cr heterostructures. Physics of the Solid State, 2013, 55, 1870-1877.	0.6	3
18	Magnetic phase transition in $\text{E}^{\cdot}\text{-In}_x\text{Fe}_{2-x}\text{O}_3$ nanowires. Physics of the Solid State, 2013, 55, 2252-2259.	0.6	12

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19	Influence of zeolite water on paramagnetic and ferromagnetic resonances in the Co ₂ [Nb(CN) ₈] · 8H ₂ O molecular magnet. <i>Physics of the Solid State</i> , 2013, 55, 1663-1667.	0.6	1
20	GaAs:Mn Layer Magnetization in GaAs-Based Heterostructures Containing InGaAs Quantum Well. <i>Solid State Phenomena</i> , 2012, 190, 550-553.	0.3	1
21	Competing ferro- and antiferromagnetic interactions in (manganese,sodium)phenylsilsesquioxane with metal oxide fragments. <i>Russian Chemical Bulletin</i> , 2012, 61, 200-203.	1.5	7
22	Effect of temperature conditions of ion implantation on percolation ferromagnetism in Ge _{0.98} Mn _{0.02} thin films. <i>Physics of the Solid State</i> , 2012, 54, 1370-1373.	0.6	2
23	Magnetomechanical effect in silicon (Cz-Si) surface layers. <i>Physics of the Solid State</i> , 2012, 54, 1433-1439.	0.6	4
24	Nano- and heterostructures of magnetic semiconductors for spintronics. <i>Russian Chemical Bulletin</i> , 2011, 60, 1051-1057.	1.5	3
25	Photochromic single-molecule magnets based on oxocarboxylate Mn ₁₂ clusters and mononitrosyl Ru complexes. <i>Russian Chemical Bulletin</i> , 2011, 60, 1078-1084.	1.5	3
26	Low-temperature phase transition in Eu^{2+} -(BEDT-TTF) ₂ I ₂ Br ₂ single crystals detected by the ESR method. <i>Physics of the Solid State</i> , 2011, 53, 1269-1273.	0.6	2
27	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.	0.6	8
28	Low-Temperature Phase Transition Detected by ESR in Eu^{2+} -(BEDT-TTF) ₂ I ₂ Br ₂ Single Crystals. <i>Applied Magnetic Resonance</i> , 2011, 41, 363-370.	1.2	0
29	Effect of annealing on the microwave magnetoresistance of thin Ge _{0.96} Mn _{0.04} films. <i>Semiconductors</i> , 2010, 44, 303-308.	0.5	2
30	Effect of nanostructuring of the Ge _{1-x} Mn _x single-crystal alloy on the percolation and cluster ferromagnetism. <i>Physics of the Solid State</i> , 2010, 52, 748-751.	0.6	0
31	Magnetic properties of ordered nanowires of the quasi-two-dimensional antiferromagnet SpFeMn(C ₂ O ₄) ₃ . <i>Physics of the Solid State</i> , 2010, 52, 2135-2141.	0.6	2
32	Ferromagnetic semiconductor nanostructures – future spintronics. <i>Russian Journal of General Chemistry</i> , 2010, 80, 591-603.	0.8	3
33	Bifunctional supramolecular systems on the platform of p-sulfonatocalix[4]arene containing photochromic mononitrosyl Ru (II) and paramagnetic aqua Gd or Dy complexes. <i>Physica B: Condensed Matter</i> , 2010, 405, S30-S33.	2.7	6
34	Charge order – disorder phase transition detected by EPR in Eu^{2+} -(BEDT-TTF) ₂ I ₂ Br ₂ . <i>Physica B: Condensed Matter</i> , 2010, 405, S138-S140.	2.7	3
35	Ordered nanowires of photochromic compounds based on spiropyran and transition metal complexes. <i>Nanotechnologies in Russia</i> , 2009, 4, 828-833.	0.7	3
36	Spin-orbit interaction of charge carriers with impurities in aligned Ge _{0.99} Me _{0.01} (Me = Mn, Cr, Co, Fe) nanowires. <i>Semiconductors</i> , 2009, 43, 896-900.	0.5	2

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37	Electron spin resonance in oriented nanowires Ge _{0.99} Cr _{0.01} . Physics of the Solid State, 2009, 51, 1709-1715.	0.6	2
38	Spin dynamics in magnetic semiconductor nanostructures. Physics of the Solid State, 2009, 51, 1985-2002.	0.6	15
39	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
40	Spin dynamics in oriented ferromagnetic nanowires Ge _{0.99} Co _{0.01} . Physics of the Solid State, 2008, 50, 1103-1109.	0.6	7
41	Electron spin resonance in Ge nanowires doped with Mn. Journal of Magnetism and Magnetic Materials, 2007, 310, e824-e826.	2.3	12
42	Magnetic resonance in Ge _{0.99} Mn _{0.01} nanowires. Physics of the Solid State, 2007, 49, 296-301.	0.6	6
43	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.	0.6	0
44	Ferromagnetic resonance of cobalt nanoparticles in the polymer shell. Physics of the Solid State, 2007, 49, 1507-1513.	0.6	7
45	ESR Spectra of Charge Carriers in the A^{\pm} and $\text{A}^{\pm 2}$ Phases of (BEDT-TTF) ₂ Br ₂ Single Crystals. Solid State Phenomena, 0, 190, 615-618.	0.3	3