

Zhidong Zhang

List of Publications by Year in descending order

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299
papers

9,273
citations

53660

45
h-index

58464

82
g-index

306
all docs

306
docs citations

306
times ranked

10546
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric-field control of magnetism in a few-layered van der Waals ferromagnetic semiconductor. Nature Nanotechnology, 2018, 13, 554-559.	15.6	466
2	Observation of a periodic array of flux-closure quadrants in strained ferroelectric PbTiO ₃ films. Science, 2015, 348, 547-551.	6.0	430
3	Microwave-absorption properties of ZnO-coated iron nanocapsules. Applied Physics Letters, 2008, 92, .	1.5	355
4	Colossal barocaloric effects in plastic crystals. Nature, 2019, 567, 506-510.	13.7	253
5	Room-temperature Ferroelectricity in Hexagonally Layered In_2Se_3 Nanoflakes down to the Monolayer Limit. Advanced Functional Materials, 2018, 28, 1803738.	7.8	241
6	Current-driven magnetization switching in a van der Waals ferromagnet Fe ₃ GeTe ₂ . Science Advances, 2019, 5, eaaw8904.	4.7	239
7	Broadband microwave absorption of CoNi@C nanocapsules enhanced by dual dielectric relaxation and multiple magnetic resonances. Applied Physics Letters, 2013, 102, .	1.5	217
8	Microwave absorption properties of core double-shell FeCo/C/BaTiO ₃ nanocomposites. Nanoscale, 2014, 6, 3967-3971.	2.8	209
9	Observation of Various and Spontaneous Magnetic Skyrmionic Bubbles at Room Temperature in a Frustrated Kagome Magnet with Uniaxial Magnetic Anisotropy. Advanced Materials, 2017, 29, 1701144.	11.1	189
10	Achieving High Thermoelectric Figure of Merit in Polycrystalline SnSe via Introducing Sn Vacancies. Journal of the American Chemical Society, 2018, 140, 499-505.	6.6	180
11	Room temperature ferromagnetism in ultra-thin van der Waals crystals of 1T-CrTe ₂ . Nano Research, 2020, 13, 3358-3363.	5.8	175
12	Optimal electromagnetic-wave absorption by enhanced dipole polarization in Ni/C nanocapsules. Applied Physics Letters, 2012, 101, 083116.	1.5	141
13	Dual nonlinear dielectric resonance and strong natural resonance in Ni/ZnO nanocapsules. Applied Physics Letters, 2009, 94, .	1.5	137
14	Broadband electromagnetic-wave absorption by FeCo/C nanocapsules. Applied Physics Letters, 2009, 95, .	1.5	125
15	Graphene nanoflakes with optimized nitrogen doping fabricated by arc discharge as highly efficient absorbers toward microwave absorption. Carbon, 2019, 148, 204-213.	5.4	117
16	Large magnetocaloric effect and enhanced magnetic refrigeration in ternary Gd-based bulk metallic glasses. Journal of Applied Physics, 2008, 103, .	1.1	115
17	Strain-induced magnetism in MoS ₂ monolayer with defects. Journal of Applied Physics, 2014, 115, .	1.1	112
18	Size-Dependent Magnetic, Photoabsorbing, and Photocatalytic Properties of Single-Crystalline Bi ₂ Fe ₄ O ₉ Semiconductor Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 25241-25246.	1.5	105

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19	Co _x Ni _{100-x} nanoparticles encapsulated by curved graphite layers: controlled in situ metal-catalytic preparation and broadband microwave absorption. <i>Nanoscale</i> , 2015, 7, 17312-17319.	2.8	104
20	High pressure effect on structure, electronic structure, and thermoelectric properties of MoS ₂ . <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	101
21	Double resonance Raman modes in monolayer and few-layer MoTe_2 . <i>Physical Review B</i> , 2015, 91, .	1.1	99
22	Large, Temperature-Tunable Low-Field Magnetoresistance in La _{0.7} Sr _{0.3} MnO ₃ :NiO Nanocomposite Films Modulated by Microstructures. <i>Advanced Functional Materials</i> , 2014, 24, 5393-5401.	7.8	87
23	Excellent microwave-absorption performances by matched magnetic dielectric properties in double-shelled Co/C/polyaniline nanocomposites. <i>RSC Advances</i> , 2015, 5, 40384-40392.	1.7	80
24	Understanding strong magnetostriction in Fe _{100-x} Ga _x alloys. <i>Scientific Reports</i> , 2013, 3, 3521.	1.6	74
25	Gate tunable giant anisotropic resistance in ultra-thin GaTe. <i>Nature Communications</i> , 2019, 10, 2302.	5.8	72
26	Magnetocaloric effect in Ho ₂ In over a wide temperature range. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	69
27	Large reversible magnetocaloric effect in TbCo ₂ in low magnetic field. <i>Applied Physics Letters</i> , 2008, 92, 242508.	1.5	64
28	Fermi Level shifting, Charge Transfer and Induced Magnetic Coupling at La _{0.7} Ca _{0.3} MnO ₃ /LaNiO ₃ Interface. <i>Scientific Reports</i> , 2015, 5, 8460.	1.6	64
29	Bifunctional two-dimensional nanocomposite for electromagnetic wave absorption and comprehensive anti-corrosion. <i>Carbon</i> , 2022, 186, 520-529.	5.4	64
30	Enhanced wideband microwave absorption of hollow carbon nanowires derived from a template of Al ₄ C ₃ @C nanowires. <i>Carbon</i> , 2020, 161, 252-258.	5.4	63
31	Intrinsic electrocaloric effects in ferroelectric poly(vinylidene fluoride-trifluoroethylene) copolymers: Roles of order of phase transition and stresses. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	61
32	Hexagonal phase stabilization and magnetic orders of multiferroic $\text{Lu}_2\text{U}_2\text{S}_2\text{Fe}$. <i>Physical Review B</i> , 2015, 91, .	1.1	60
33	Clifford algebra approach of 3D Ising model. <i>Advances in Applied Clifford Algebras</i> , 2019, 29, 1.	0.5	57
34	Ab initio studies of the effect of nanoclusters on magnetostriction of Fe _{1-x} Ga _x alloys. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	56
35	Structure and electromagnetic properties of both regular and defective onion-like carbon nanoparticles. <i>Carbon</i> , 2015, 95, 910-918.	5.4	56
36	Atomic-scale mapping of dipole frustration at 90° charged domain walls in ferroelectric PbTiO ₃ films. <i>Scientific Reports</i> , 2014, 4, 4115.	1.6	56

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37	Synthesis of hierarchical cobalt dendrites based on nanoflake self-assembly and their microwave absorption properties. <i>RSC Advances</i> , 2016, 6, 40844-40853.	1.7	54
38	Effect of metal grain size on multiple microwave resonances of Fe/TiO ₂ metal-semiconductor composite. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	53
39	Metal-organic framework-derived Co/C composite with high magnetization as broadband electromagnetic wave absorber. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164257.	2.8	52
40	Magnetic anisotropy and coercivity of Fe ₃ Se ₄ nanostructures. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	51
41	Interfacial oxygen-octahedral-tilting-driven electrically tunable topological Hall effect in ultrathin SrRuO ₃ films. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 404001.	1.3	51
42	Regulation of Ferroelectric Polarization to Achieve Efficient Charge Separation and Transfer in Particulate RuO ₂ /BiFeO ₃ for High Photocatalytic Water Oxidation Activity. <i>Small</i> , 2020, 16, e2003361.	5.2	51
43	Magnetostructural coupling and magnetocaloric effect in Ni ²⁺ Mn ²⁺ In. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	50
44	Magnetic and optical properties of multiferroic GdMnO ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	50
45	Magnetostriction and anisotropy compensation in Tb _x Dy _{1-x} Pr _{0.3} (Fe _{0.9} B _{0.1}) _{1.93} alloys. <i>Applied Physics Letters</i> , 2004, 84, 562-564.	1.5	49
46	Nitrogen-doped graphene layer-encapsulated NiFe bimetallic nanoparticles synthesized by an arc discharge method for a highly efficient microwave absorber. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1148-1160.	3.0	48
47	Linear magnetoresistance versus weak antilocalization effects in Bi ₂ Te ₃ . <i>Nano Research</i> , 2015, 8, 2963-2969.	5.8	47
48	Thermoelectric performance of monolayer InSe improved by convergence of multivalley bands. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	47
49	Observation of chiral and slow plasmons in twisted bilayer graphene. <i>Nature</i> , 2022, 605, 63-68.	13.7	45
50	New two-dimensional phase of tin chalcogenides: Candidates for high-performance thermoelectric materials. <i>Physical Review Materials</i> , 2019, 3, .	0.9	44
51	Flower-like dynamics of coupled Skyrmions with dual resonant modes by a single-frequency microwave magnetic field. <i>Scientific Reports</i> , 2014, 4, 6153.	1.6	43
52	Computational complexity of spin-glass three-dimensional (3D) Ising model. <i>Journal of Materials Science and Technology</i> , 2020, 44, 116-120.	5.6	43
53	Recent developments of rare-earth-free hard-magnetic materials. <i>Science China: Physics, Mechanics and Astronomy</i> , 2016, 59, 1.	2.0	42
54	Arc-discharge synthesis of nitrogen-doped C embedded TiCN nanocubes with tunable dielectric/magnetic properties for electromagnetic absorbing applications. <i>Nanoscale</i> , 2019, 11, 19994-20005.	2.8	42

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55	Microwave response of FeCo/carbon nanotubes composites. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	41
56	Rock-salt-type nanoprecipitates lead to high thermoelectric performance in undoped polycrystalline SnSe. <i>RSC Advances</i> , 2017, 7, 8258-8263.	1.7	40
57	Magnetic Behavior, Electromagnetic Multiresonances, and Microwave Absorption of the Interfacial Engineered Fe@FeSi/SiO ₂ Nanocomposite. <i>ACS Applied Nano Materials</i> , 2018, 1, 1309-1320.	2.4	40
58	Prospect and status of iron-based rare-earth-free permanent magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 535-544.	1.0	40
59	Low-pressure-induced giant barocaloric effect in an all-d-metal Heusler Ni _{35.5} Co _{14.5} Mn ₃₅ Ti ₁₅ magnetic shape memory alloy. <i>APL Materials</i> , 2020, 8, .	2.2	40
60	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 689-692.	1.7	39
61	Enhanced thermoelectric performance of BiCuSeO by increasing Seebeck coefficient through magnetic ion incorporation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13392-13399.	5.2	39
62	Magnetic properties and enhanced magnetic refrigeration in (Mn ^{1-x} Fe _x) ₅ Ge ₃ compounds. <i>Journal of Applied Physics</i> , 2007, 101, 123911.	1.1	38
63	Anisotropic behavior of exchange coupling in textured Nd ₂ Fe ₁₄ B/ \pm -Fe multilayer films. <i>Journal of Applied Physics</i> , 2008, 104, 053903.	1.1	37
64	Fe ₃ Si-core/amorphous-C-shell nanocapsules with enhanced microwave absorption. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 561-567.	1.0	37
65	Anomalous lattice vibrations of monolayer MoS ₂ probed by ultraviolet Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14561-14568.	1.3	36
66	Electromagnetic-wave absorption properties of FeCo nanocapsules and coral-like aggregates self-assembled by the nanocapsules. <i>Journal of Applied Physics</i> , 2008, 104, 064319.	1.1	35
67	Magnetic properties of nickel hydroxide nanoparticles. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	35
68	The origin of large overestimation of the magnetic entropy changes calculated directly by Maxwell relation. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	35
69	Interpreting core-level spectra of oxidizing phosphorene: Theory and experiment. <i>Physical Review B</i> , 2015, 92, .	1.1	35
70	Negative imaginary parts of complex permeability and microwave absorption performance of core double-shelled FeCo/C/Fe _{2.5} Cr _{0.5} Se ₄ nanocomposites. <i>RSC Advances</i> , 2016, 6, 73020-73027.	1.7	35
71	Wide-band microwave absorption by <i>in situ</i> tailoring morphology and optimized N-doping in nano-SiC. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	35
72	Hydrothermal Synthesis of Three-Dimensional Hierarchical CuO Butterfly-Like Architectures. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 168-173.	1.0	34

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73	Overcoming the Limits of the Interfacial Dzyaloshinskiiâ€Moriya Interaction by Antiferromagnetic Order in Multiferroic Heterostructures. <i>Advanced Materials</i> , 2020, 32, e1904415.	11.1	34
74	2D FeOCl: A Highly Inâ€Plane Anisotropic Antiferromagnetic Semiconductor Synthesized via Temperatureâ€Oscillation Chemical Vapor Transport. <i>Advanced Materials</i> , 2022, 34, e2108847.	11.1	34
75	Anisotropic thermopower and magnetothermopower in a misfit-layered calcium cobaltite. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	33
76	Giant room-temperature barocaloric effect at the electronic phase transition in Ni_{1-x}Fe_xS. <i>Materials Horizons</i> , 2020, 7, 2690-2695.	6.4	33
77	Sound speed of a Bose-Einstein condensate in an optical lattice. <i>Physical Review A</i> , 2008, 78, .	1.0	32
78	Moltenâ€Saltâ€Assisted Chemical Vapor Deposition Process for Substitutional Doping of Monolayer MoS ₂ and Effectively Altering the Electronic Structure and Phononic Properties. <i>Advanced Science</i> , 2020, 7, 2001080.	5.6	32
79	Magnetism of amorphous carbon nanofibers. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	31
80	Broadband photovoltaic effect of n-type topological insulator Bi ₂ Te ₃ films on p-type Si substrates. <i>Nano Research</i> , 2017, 10, 1872-1879.	5.8	31
81	Interface-induced sign reversal of the anomalous Hall effect in magnetic topological insulator heterostructures. <i>Nature Communications</i> , 2021, 12, 79.	5.8	31
82	Oxygen-Valve Formed in Cobaltite-Based Heterostructures by Ionic Liquid and Ferroelectric Dual-Gating. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19584-19595.	4.0	30
83	Coercivity mechanism of anisotropic Pr ₂ Fe ₁₄ B thin films with perpendicular texture. <i>Physical Review B</i> , 2005, 72, .	1.1	29
84	Magnetic and reversible magnetocaloric properties of (Gd _{1-x} Dy _x) ₄ Co ₃ ferrimagnets. <i>Journal of Applied Physics</i> , 2009, 105, 053902.	1.1	29
85	Two-Dimensional Room-Temperature Magnetic Nonstoichiometric Fe₇Se₈ Nanocrystals: Controllable Synthesis and Magnetic Behavior. <i>Nano Letters</i> , 2022, 22, 1242-1250.	4.5	28
86	Spin canting and spin-flop transition in antiferromagnetic Cr ₂ O ₃ nanocrystals. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	27
87	Exchange bias in La _{0.7} Sr _{0.3} MnO ₃ /NiO and LaMnO ₃ /NiO interfaces. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	27
88	Size and morphology-controlled synthesis of Ni₃C nanoparticles in a TEG solution and their magnetic properties. <i>RSC Advances</i> , 2016, 6, 81989-81994.	1.7	27
89	Low-field formation of room-temperature biskyrmions in centrosymmetric MnPdGa magnet. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	27
90	Dimer rattling mode induced low thermal conductivity in an excellent acoustic conductor. <i>Nature Communications</i> , 2020, 11, 5197.	5.8	27

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91	Interface transformation for enhanced microwave-absorption properties of core double-shell nanocomposites. <i>Journal of Alloys and Compounds</i> , 2017, 694, 1224-1231.	2.8	26
92	Giant reversible magnetocaloric effect in cobalt hydroxide nanoparticles. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	25
93	Reversible room-temperature magnetocaloric effect in Mn ₅ PB ₂ . <i>Applied Physics Letters</i> , 2010, 97, .	1.5	25
94	Oxygen Vacancy Ordering Modulation of Magnetic Anisotropy in Strained LaCoO ₃ Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38230-38238.	4.0	25
95	Structure and magnetic properties of Gd nanoparticles and carbon coated Gd/GdC ₂ nanocapsules. <i>Journal of Applied Physics</i> , 2003, 94, 6779-6784.	1.1	24
96	High Pr-content (Tb _{0.2} Pr _{0.8})(Fe _{0.4} Co _{0.6}) _{1.93} xBx magnetostrictive alloys. <i>Applied Physics Letters</i> , 2005, 87, 082506.	1.5	24
97	Nonlinear elastic load-displacement relation for spherical indentation on rubberlike materials. <i>Journal of Materials Research</i> , 2010, 25, 2197-2202.	1.2	24
98	Disorder-modulated microwave absorption properties of carbon-coated FeCo nanocapsules. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	24
99	High Curie temperature and coercivity performance of Fe ₃ Cr _x Se ₄ nanostructures. <i>Nanoscale</i> , 2015, 7, 5395-5402.	2.8	24
100	Composition anisotropy compensation and spontaneous magnetostriction in Tb _{0.2} Dy _{0.8} Pr _x (Fe _{0.9} B _{0.1}) _{1.93} alloys. <i>Applied Physics Letters</i> , 2003, 82, 2664-2666.	1.5	23
101	Synthesis and characterization of $\hat{\Gamma}^3$ -Al ₂ O ₃ nanorods. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 294-299.	0.8	23
102	Electromagnetic wave absorption and dielectric-modulation of metallic perovskite lanthanum nickel oxide. <i>RSC Advances</i> , 2015, 5, 14584-14591.	1.7	23
103	Observation of Interfacial Antiferromagnetic Coupling between Magnetic Topological Insulator and Antiferromagnetic Insulator. <i>Nano Letters</i> , 2019, 19, 2945-2952.	4.5	23
104	Ultrasensitive barocaloric material for room-temperature solid-state refrigeration. <i>Nature Communications</i> , 2022, 13, 2293.	5.8	23
105	Synthesis and structure of multi-layered WS ₂ (CoS), MoS ₂ (Mo) nanocapsules and single-layered WS ₂ (W) nanoparticles. <i>Journal of Materials Science</i> , 2005, 40, 4287-4291.	1.7	22
106	Manganite/Cuprate Superlattice as Artificial Reentrant Spin Glass. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500676.	1.9	22
107	Emerging opportunities for voltage-driven magneto-ionic control in ferroic heterostructures. <i>APL Materials</i> , 2021, 9, .	2.2	22
108	Correlated states in doubly-aligned hBN/graphene/hBN heterostructures. <i>Nature Communications</i> , 2021, 12, 7196.	5.8	22

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109	Magnetization processes and magnetostriction of Tb _{0.27} Dy _{0.73} Fe ₂ single crystal along \hat{a}^* direction. Journal of Applied Physics, 2003, 93, 8489-8491.	1.1	21
110	Magnetic anisotropy and metal-insulator transition in SrRuO ₃ thin films at different growth temperatures. Journal of Applied Physics, 2010, 107, 113925.	1.1	21
111	Broadband Photodetection of GeSe Films of Vertically Grown Nanoflakes. ACS Applied Electronic Materials, 2019, 1, 2236-2243.	2.0	21
112	Charge-order melting and magnetic phase separation in thin films of $\text{Pr}_{1-x}\text{Mn}_x\text{O}_2$. Physical Review B, 2009, 79, .	1.1	20
113	Microstructure and magnetic properties of graphite-coated Gd nanocapsules. Applied Physics Letters, 2009, 94, .	1.5	20
114	Hydrothermal self-assembly of hierarchical cobalt hyperbranches by a sodium tartrate-assisted route. RSC Advances, 2011, 1, 1287.	1.7	20
115	Exchange bias and its thermal stability in ferromagnetic/antiferromagnetic antidot arrays. Applied Physics Letters, 2012, 101, .	1.5	20
116	Permittivity and permeability of Zn(Fe)/ZnO nanocapsules and their microwave absorption in the 2–18 GHz range. Journal of Applied Physics, 2014, 115, 17A527.	1.1	20
117	Controllable Phase Transition for Layered FeSe Superconductor Synthesized by Solution Chemistry. Chemistry of Materials, 2017, 29, 842-848.	3.2	20
118	Broken mirror symmetry tuned topological transport in PbTe/SnTe heterostructures. Physical Review B, 2018, 98, .	1.1	20
119	Magnetic-Field Control of Topological Electronic Response near Room Temperature in Correlated Kagome Magnets. Physical Review Letters, 2019, 123, 196604.	2.9	20
120	Angular dependent magnetoresistance with twofold and fourfold symmetries in A-type antiferromagnetic Nd _{0.45} Sr _{0.55} MnO ₃ thin film. Applied Physics Letters, 2010, 97, .	1.5	19
121	Interstitial-nitrogen effect on phase transition and magnetocaloric effect in Mn(As,Si) (invited). Journal of Applied Physics, 2010, 107, 09A938.	1.1	19
122	Permittivity and permeability of Fe(Tb) nanoparticles and their microwave absorption in the 2–18 GHz range. Journal of Applied Physics, 2010, 107, .	1.1	19
123	Controllable Self-Assembled Microstructures of $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$:NiO Nanocomposite Thin Films and Their Tunable Functional Properties. Advanced Materials Interfaces, 2015, 2, 1500302.	1.9	19
124	Evolution of magnetic properties in the vicinity of the Verwey transition in $\text{Fe}_{1-x}\text{O}_{1-x}$ thin films. Physical Review B, 2017, 96, .	1.1	19
125	Asymmetric current-driven switching of synthetic antiferromagnets with Pt insert layers. Nanoscale, 2018, 10, 7612-7618.	2.8	19
126	Temperature dependence of competition between interlayer and interfacial exchange couplings in ferromagnetic/antiferromagnetic/ferromagnetic trilayers. Applied Physics Letters, 2009, 95, .	1.5	18

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127	Unconventional exchange bias in CoCr2O4/Cr2O3 nanocomposites. Journal of Applied Physics, 2009, 105, 064702.	1.1	18
128	Enhancement of the spin entropy in NaxCo2O4 by Ni doping. Applied Physics Letters, 2010, 97, 032108.	1.5	18
129	Colossal Barocaloric Effect in Carboranes as a Performance Tradeoff. Advanced Functional Materials, 2022, 32, .	7.8	18
130	Exchange bias and phase transformation in $\text{Fe}_2\text{O}_3+\text{NiO}$ nanocomposites. Journal of Applied Physics, 2008, 103, 103906.	1.1	17
131	Magnetic properties and exchange bias in $\text{Mn}_2\text{O}_3\cdot\text{Mn}_3\text{O}_4$ nanoclusters. Journal of Applied Physics, 2009, 105, .	1.1	17
132	Field-induced magnetic transition in cobalt-ferrite. Journal of Applied Physics, 2012, 111, 07E308.	1.1	17
133	Effects of Nanoparticle Shape and Size on Optical Properties of LaB6. Plasmonics, 2016, 11, 697-701.	1.8	17
134	Exchange coupling in hard/soft-magnetic multilayer films with non-magnetic spacer layers. Journal of Applied Physics, 2012, 111, .	1.1	16
135	Interfacial Control of Ferromagnetism in Ultrathin SrRuO_3 Films Sandwiched between Ferroelectric BaTiO_3 Layers. ACS Applied Materials & Interfaces, 2020, 12, 6707-6715.	4.0	16
136	Field-Free Switching of a Spin-Orbit-Torque Device Through Interlayer-Coupling-Induced Domain Walls. Physical Review Applied, 2020, 13, .	1.5	16
137	Magnetic properties and magnetic domains of NdFeB thin films. Journal of Applied Physics, 2008, 103, 023922.	1.1	15
138	Magnetic properties and spin-glass-like behavior in stoichiometric Mn_3In compound. Journal of Applied Physics, 2009, 106, .	1.1	15
139	Magnetic properties, complex permittivity and permeability of FeNi nanoparticles and FeNi/ Al_2O_3 nanocapsules. Journal of Nanoparticle Research, 2009, 11, 2097-2104.	0.8	15
140	Exchange bias effect in $\text{NiO/NiFe}_2\text{O}_4$ nanocomposites. Journal of Applied Physics, 2011, 109, 07D711.	1.1	15
141	Positive magnetoresistance in Fe_3Se_4 nanowires. Journal of Applied Physics, 2011, 109, 07C705.	1.1	15
142	Phase evaluation, magnetic, and electric properties of $\text{Mn}_{60+x}\text{Ga}_{40-x}$ ($x=0-15$) ribbons. Journal of Applied Physics, 2014, 115, 17A750.	1.1	15
143	Magnetic interactions in anisotropic Nd-Dy-Fe-Co-B/ Fe multilayer magnets. Journal of Applied Physics, 2016, 120, .	1.1	15
144	Electron delocalization and relaxation behavior in Cu-doped $\langle \text{math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle i \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ films.	1.1	15

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145	Deep-ultraviolet Raman scattering spectroscopy of monolayer WS ₂ . Scientific Reports, 2018, 8, 11398.	1.6	15
146	Enhancement of spin-orbit torque and modulation of Dzyaloshinskii-Moriya interaction in Pt _{100-x} Cr _x /Co/AlO _x trilayer. Applied Physics Letters, 2020, 117, .	1.5	15
147	Vertically Oriented Topological Insulator Bi ₂ Se ₃ Nanoplates on Silicon for Broadband Photodetection. Journal of Physical Chemistry C, 2020, 124, 10135-10142.	1.5	15
148	An overview of SrRuO ₃ -based heterostructures for spintronic and topological phenomena. Journal Physics D: Applied Physics, 2022, 55, 233001.	1.3	15
149	Giant magnetoresistance in Mn _{2-x} Cu _x Sb ₂ (x=0.4) compounds. Journal of Applied Physics, 2003, 94, 4726-4728.	1.1	14
150	Enhancing the perpendicular anisotropy of NdDyFeB films by Dy diffusion process. Journal of Applied Physics, 2012, 111, 07A729.	1.1	14
151	Reversible magnetocaloric effect and refrigeration capacity enhanced by two successive magnetic transitions in DyB ₂ . Science China Technological Sciences, 2012, 55, 501-504.	2.0	14
152	Chromium-induced ferromagnetism with perpendicular anisotropy in topological crystalline insulator SnTe (111) thin films. Physical Review B, 2018, 97, .	1.1	14
153	Controllable Spin-Orbit Torque Efficiency in Pt/Co/Ru/Co/Pt Multilayers with Interlayer Exchange Couplings. ACS Applied Electronic Materials, 2021, 3, 611-618.	2.0	14
154	Exact solution of two-dimensional (2D) Ising model with a transverse field: A low-dimensional quantum spin system. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 128, 114632.	1.3	14
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