

Hariharan Srikanth

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Scaling of the Thermally Induced Sign Inversion of Longitudinal Spin Seebeck Effect in a Compensated Ferrimagnet: Role of Magnetic Anisotropy. <i>Advanced Functional Materials</i> , 2022, 32, 2109170.	7.8	19
2	Entangled core/shell magnetic structure driven by surface magnetic symmetry-breaking in Cr_2O_3 nanoparticles. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1798-1807.	2.7	5
3	Thermal Generation of Spin Current and Magnon Propagation Length in Compensated Ferrimagnetic $\text{Gd}_x\text{Fe}_{1-x}$ Thin Films. <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-5.	1.2	5
4	Spin Seebeck Effect in Iron Oxide Thin Films: Effects of Phase Transition, Phase Coexistence, And Surface Magnetism. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13468-13479.	4.0	11
5	Emergent magnetic properties of biphasic iron oxide nanorods. <i>AIP Advances</i> , 2022, 12, .	0.6	5
6	Proximity enhanced magnetism at $\text{NiFe}_2\text{O}_4/\text{Graphene}$ interface. <i>AIP Advances</i> , 2022, 12, .	0.6	3
7	Surface magnetic anisotropy-mediated spin Hall magnetoresistance and spin Seebeck effects in a YIG/Pt heterostructure. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 551, 169173.	1.0	4
8	MnP Films with Desired Magnetic, Magnetocaloric, and Thermoelectric Properties for a Perspective Magneto-Thermo-Electric Cooling Device. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, 2100367.	0.8	1
9	Giant low-field magnetocaloric effect and refrigerant capacity in reduced dimensionality EuTiO_3 multiferroics. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156819.	2.8	16
10	Magnetic anomalies associated with domain wall freezing and coupled electron hopping in magnetite nanorods. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 522, 167564.	1.0	4
11	Role of Magnetic Anisotropy on the Hyperthermia Efficiency in Spherical $\text{Fe}_3\text{xCo}_x\text{O}_4$ ($x = 0-1$) Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 930.	1.3	17
12	Strain-modulated helimagnetism and emergent magnetic phase diagrams in highly crystalline MnP nanorod films. <i>Physical Review B</i> , 2021, 103, .	1.1	6
13	Iron Oxide Nanorings and Nanotubes for Magnetic Hyperthermia: The Problem of Intraparticle Interactions. <i>Nanomaterials</i> , 2021, 11, 1380.	1.9	12
14	Tablelike magnetocaloric effect and enhanced refrigerant capacity in $\text{Eu}_x\text{O}_{1-x}$ thin films. <i>Physical Review Materials</i> , 2021, 5, .	0.9	4
15	Tunable competing magnetic anisotropies and spin reconfigurations in ferrimagnetic $\text{Fe}_x\text{Mn}_{1-x}$ alloy films. <i>Physical Review B</i> , 2021, 104, .		
16	Effects of hydrogen absorption on magnetism in $\text{Ni}_80\text{Fe}_{20}/\text{Y}/\text{Pd}$ trilayers. <i>Physical Review B</i> , 2021, 104, .	1.1	2
17	Hybrid magnetic nanoparticles as efficient nanoheaters in biomedical applications. <i>Nanoscale Advances</i> , 2021, 3, 867-888.	2.2	48
18	Origin and Shell-Driven Optimization of the Heating Power in Core/Shell Bimagnetic Nanoparticles. <i>ACS Applied Nano Materials</i> , 2020, 3, 1755-1765.	2.4	46

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19	Shell-mediated control of surface chemistry of highly stoichiometric magnetite nanoparticles. <i>Nanoscale</i> , 2020, 12, 13626-13636.	2.8	17
20	Giant spin Seebeck effect through an interface organic semiconductor. <i>Materials Horizons</i> , 2020, 7, 1413-1420.	6.4	29
21	Magnetic Vortex and Hyperthermia Suppression in Multigrain Iron Oxide Nanorings. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 787.	1.3	17
22	Robust cycloid crossover driven by anisotropy in the skyrmion host GaV4S8. <i>Physical Review B</i> , 2020, 101, .	1.1	8
23	Metamagnetism and kinetic arrest in a long-range ferromagnetically ordered multicaloric double perovskite Y2CoMnO6. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 507, 166821.	1.0	15
24	Multicalorics. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	6
25	Investigating spin coupling across a three-dimensional interface in core/shell magnetic nanoparticles. <i>Physical Review Materials</i> , 2020, 4, .	0.9	13
26	Magnetic Hyperthermia: Unlocking the Potential of Magnetotactic Bacteria as Magnetic Hyperthermia Agents (Small 41/2019). <i>Small</i> , 2019, 15, 1970222.	5.2	2
27	Unlocking the Potential of Magnetotactic Bacteria as Magnetic Hyperthermia Agents. <i>Small</i> , 2019, 15, e1902626.	5.2	79
28	Effect of antiphase boundaries on the magnetic properties of La2CoMnO6. <i>AIP Advances</i> , 2019, 9, .	0.6	11
29	Magnetic Anisotropy and Switching Behavior of Fe3O4/CoFe2O4 Core/Shell Nanoparticles. <i>Journal of Electronic Materials</i> , 2019, 48, 1461-1466.	1.0	7
30	Mössbauer Studies of Core-Shell FeO/Fe3O4 Nanoparticles. <i>Physics of the Solid State</i> , 2018, 60, 382-389.	0.2	15
31	An electron transfer driven magnetic switch: ferromagnetic exchange and spin delocalization in iron verdazyl complexes. <i>Dalton Transactions</i> , 2018, 47, 6351-6360.	1.6	23
32	Enhancement of Giant Magneto-Impedance in Series Co-Rich Microwires for Low-Field Sensing Applications. <i>Journal of Electronic Materials</i> , 2018, 47, 2667-2672.	1.0	3
33	Exchange-coupled Fe3O4/CoFe2O4 nanoparticles for advanced magnetic hyperthermia. <i>AIP Advances</i> , 2018, 8, .	0.6	44
34	Improving the Heating Efficiency of Iron Oxide Nanoparticles by Tuning Their Shape and Size. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2367-2381.	1.5	178
35	Pressure-induced modifications of the magnetic order in the spin-chain compound $C_{2x}Mn_{2-2x}O_3$. <i>Physical Review B</i> , 2018, 98, 040407.	1.1	20
36	Enhanced room-temperature spin Seebeck effect in a YIG/C60/Pt layered heterostructure. <i>AIP Advances</i> , 2018, 8, .	0.6	10

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37	Magnetic field dependence of nonlinear magnetic response and tricritical point in the monoaxial chiral helimagnet $\text{Cr}_1/3\text{NbS}_2$. <i>Physical Review B</i> , 2018, 97, 020407.	2.0	20
38	Tailoring circular magnetic domain structure and high frequency magneto-impedance of melt-extracted $\text{Co}_{69.25}\text{Fe}_{4.25}\text{Si}_{13}\text{B}_{13.5}$ microwires through Nb doping. <i>AIP Advances</i> , 2017, 7, 073101.	0.6	9
39	Iron Oxide Nanospheres and Nanocubes for Magnetic Hyperthermia Therapy: A Comparative Study. <i>Journal of Electronic Materials</i> , 2017, 46, 3764-3769.	1.0	29
40	Superparamagnetic iron oxide nanodiscs for hyperthermia therapy: Does size matter?. <i>Journal of Alloys and Compounds</i> , 2017, 714, 709-714.	2.8	53
41	Relating surface roughness and magnetic domain structure to giant magneto-impedance of Co-rich melt-extracted microwires. <i>Scientific Reports</i> , 2017, 7, 46253.	1.6	23
42	Epitaxial magnetite nanorods with enhanced room temperature magnetic anisotropy. <i>Nanoscale</i> , 2017, 9, 7858-7867.	2.8	27
43	Photopolymerization-based synthesis of iron oxide nanoparticle embedded PNIPAM nanogels for biomedical applications. <i>Drug Delivery</i> , 2017, 24, 1317-1324.	2.5	20
44	Roles of bulk and surface magnetic anisotropy on the longitudinal spin Seebeck effect of Pt/YIG. <i>Scientific Reports</i> , 2017, 7, 13316.	1.6	21
45	Critical Behavior and Macroscopic Phase Diagram of the Monoaxial Chiral Helimagnet $\text{Cr}_1/3\text{NbS}_2$. <i>Scientific Reports</i> , 2017, 7, 6545.	1.6	51
46	Disclosure of Double Exchange Bias Effect in Chromium (III) Oxide Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	4
47	Spin-glass-like freezing of inner and outer surface layers in hollow Fe_2O_3 nanoparticles. , 2017, , .		0
48	Exchange Bias Effects in Iron Oxide-Based Nanoparticle Systems. <i>Nanomaterials</i> , 2016, 6, 221.	1.9	124
49	Ferromagnetic glass-coated microwires with good heating properties for magnetic hyperthermia. <i>Scientific Reports</i> , 2016, 6, 39300.	1.6	50
50	Enhanced refrigerant capacity in Gd-Al-Co microwires with a biphasic nanocrystalline/amorphous structure. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	42
51	Correlation between domain structure, surface anisotropy and high frequency magneto-impedance in Joule annealed CoFe-based melt-spun ribbons. <i>Journal of Alloys and Compounds</i> , 2016, 682, 799-804.	2.8	13
52	Enhanced Magnetic Hyperthermia in Iron Oxide Nano-Octopods: Size and Anisotropy Effects. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8370-8379.	1.5	153
53	Core/shell iron/iron oxide nanoparticles: are they promising for magnetic hyperthermia?. <i>RSC Advances</i> , 2016, 6, 38697-38702.	1.7	53
54	Tunable High Aspect Ratio Iron Oxide Nanorods for Enhanced Hyperthermia. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10086-10093.	1.5	209

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55	Boosted Hyperthermia Therapy by Combined AC Magnetic and Photothermal Exposures in Ag/Fe ₃ O ₄ Nanoflowers. ACS Applied Materials & Interfaces, 2016, 8, 25162-25169.	4.0	107
56	Remotely Controlled Micromanipulation by Buckling Instabilities in Fe ₃ O ₄ Nanoparticle Embedded Poly(<i>N</i> -isopropylacrylamide) Surface Arrays. ACS Applied Materials & Interfaces, 2016, 8, 28012-28018.	4.0	3
57	Magnetic Microfluidic Biosensor for the Detection and Quantification of Biomolecules. , 2016, , .		1
58	Anisotropic Mechanical and Giant Magneto-Impedance Properties of Cobalt-Rich Amorphous Ribbons. Journal of Electronic Materials, 2016, 45, 2278-2285.	1.0	3
59	Enhanced High-Frequency Magnetoresistance Responses of Melt-Extracted Co-Rich Soft Ferromagnetic Microwires. Journal of Electronic Materials, 2016, 45, 2395-2400.	1.0	5
60	Remote triggering of thermoresponsive PNIPAM by iron oxide nanoparticles. RSC Advances, 2016, 6, 5641-5652.	1.7	14
61	Spin-glass-like freezing of inner and outer surface layers in hollow $\hat{1}^3$ -Fe ₂ O ₃ nanoparticles. Scientific Reports, 2015, 5, 15054.	1.6	89
62	A novel approach for detection and quantification of magnetic nanomarkers using a spin valve GMR-integrated microfluidic sensor. RSC Advances, 2015, 5, 51169-51175.	1.7	29
63	Anisotropy effects in magnetic hyperthermia: A comparison between spherical and cubic exchange-coupled FeO/Fe ₃ O ₄ nanoparticles. Journal of Applied Physics, 2015, 117, .	1.1	103
64	From core/shell to hollow Fe ₃ -Fe ₂ O ₃ nanoparticles: evolution of the magnetic behavior. Nanotechnology, 2015, 26, 405705.	1.3	33
65	Impacts of nanostructuring and magnetic ordering of Nd ³⁺ on the magnetic and magnetocaloric response in NdMnO ₃ . Journal of Magnetism and Magnetic Materials, 2015, 384, 138-143.	1.0	32
66	Simultaneous enhancements of polarization and magnetization in epitaxial $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Pb} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:m} \rangle$ (PbO_3) ₂ . Physical Review B, 2015, 91, .		27
67	Enhanced magnetism and ferroelectricity in epitaxial Pb(Zr _{0.52} Ti _{0.48})O ₃ /CoFe ₂ O ₄ /La _{0.7} Sr _{0.3} MnO ₃ multiferroic heterostructures grown using dual-laser ablation technique. Journal of Applied Physics, 2014, 115, .	1.1	6
68	Heisenberg-like ferromagnetism in $3d^4$ intermetallic La _{0.75} Pr _{0.25} Co ₂ P ₂ with localized Co moments. Physical Review B, 2014, 90, .	1.1	16
69	Impacts of amorphous and crystalline cobalt ferrite layers on the giant magneto-impedance response of a soft ferromagnetic amorphous ribbon. Journal of Applied Physics, 2014, 116, .	1.1	13
70	Enhanced Magnetism in Highly Ordered Magnetite Nanoparticle-Filled Nanohole Arrays. Small, 2014, 10, 2840-2848.	5.2	40
71	Exchange bias effect in Au-Fe ₃ O ₄ nanocomposites. Nanotechnology, 2014, 25, 055702.	1.3	43
72	Impacts of first-order phase transition and phase coexistence on the universal behavior of inverse magnetocaloric effect. Journal of Applied Physics, 2014, 115, 17A907.	1.1	8

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73	Tailoring magnetic and microwave absorption properties of glass-coated soft ferromagnetic amorphous microwires for microwave energy sensing. Journal of Applied Physics, 2014, 115, 17A525.	1.1	14
74	A highly sensitive magnetic biosensor for detection and quantification of anticancer drugs tagged to superparamagnetic nanoparticles. Journal of Applied Physics, 2014, 115, 17B503.	1.1	25
75	Large Magnetocaloric Effect, Moment, and Coercivity Enhancement after Coating Ni Nanoparticles with Ag. ChemPhysChem, 2014, 15, 1619-1623.	1.0	6
76	Impact of structural disorder on the magnetic ordering and magnetocaloric response of amorphous Gd-based microwires. Journal of Applied Physics, 2014, 115, .	1.1	14
77	Magnetoimpedance-Based Probe of Various Concentrations of Corrosive Chemicals. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	1
78	Universality in the entropy change for the inverse magnetocaloric effect. Physical Review B, 2013, 87, .	1.1	59
79	Inverse magnetocaloric and exchange bias effects in single crystalline $\text{La}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ nanowires. Nanotechnology, 2013, 24, 505712.	1.3	25
80	The scaling and universality of conventional and inverse magnetocaloric effects in Heusler alloys. Applied Physics Letters, 2013, 103, 162410.	1.5	17
81	Synthesis and magnetic properties of hybrid nanostructures of Pt@FexOy. Journal of Materials Chemistry C, 2013, 1, 6553.	2.7	3
82	Synthesis, structure, and magnetic properties of $\text{SrFe}_{12}\text{O}_{19}/\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ hard/soft phase composites. Journal of Applied Physics, 2013, 114, .	1.1	15
83	Magneto-Impedance Biosensor With Enhanced Sensitivity for Highly Sensitive Detection of Nanomag-D Beads. IEEE Transactions on Magnetics, 2013, 49, 4060-4063.	1.2	39
84	Impact of reduced dimensionality on the magnetic and magnetocaloric response of $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. Applied Physics Letters, 2013, 102, .	1.5	131
85	Detection of low-concentration superparamagnetic nanoparticles using an integrated radio frequency magnetic biosensor. Journal of Applied Physics, 2013, 113, 104701.	1.1	41
86	The universal behavior of inverse magnetocaloric effect in antiferromagnetic materials. Journal of Applied Physics, 2013, 113, .	1.1	47
87	Synthesis and magnetic properties of core/shell $\text{FeO}/\text{Fe}_3\text{O}_4$ nano-octopods. Journal of Applied Physics, 2013, 113, .	1.1	52
88	Ferrite nanoparticles for future heart diagnostics. Applied Physics A: Materials Science and Processing, 2013, 112, 323-327.	1.1	17
89	Growth and Physical Property Study of Single Nanowire (Diameter $\sim 45\%$ nm) of Half Doped Manganite. Journal of Nanomaterials, 2013, 2013, 1-6.	1.5	11
90	Ziz-zag interface and strain-influenced ferromagnetism in epitaxial $\text{Mn}_3\text{O}_4/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films grown on SrTiO_3 (100) substrates. Journal of Applied Physics, 2012, 111, 07D730.	1.1	14

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91	Challenges in the stoichiometric growth of polycrystalline and epitaxial PbZr _{0.52} Ti _{0.48} O ₃ /La _{0.7} Sr _{0.3} MnO ₃ multiferroic heterostructures using pulsed laser deposition. Journal of Applied Physics, 2012, 112, 064101.	1.1	17
92	Role of dual-laser ablation in controlling the Pb depletion in epitaxial growth of Pb(Zr _{0.52} Ti _{0.48})O ₃ thin films with enhanced surface quality and ferroelectric properties. Journal of Applied Physics, 2012, 111, 064102.	1.1	11
93	Room temperature ferromagnetism in monoclinic Mn-doped ZrO ₂ thin films. Journal of Applied Physics, 2012, 111, 07C302.	1.1	39
94	Multiple magnetic transitions and magnetocaloric effect in hydrothermally synthesized single crystalline La _{0.5} Sr _{0.5} MnO ₃ nanowires. Materials Research Society Symposia Proceedings, 2012, 1454, 63-68.	0.1	1
95	Influence of microstructure and interfacial strain on the magnetic properties of epitaxial Mn ₃ O ₄ /La _{0.7} Sr _{0.3} MnO ₃ layered-composite thin films. Journal of Applied Physics, 2012, 112, .	1.1	19
96	Magnetic phase transitions and magnetocaloric effect in La _{0.7} Ca _{0.3} Mn _{1-x} Fe _x O ₃ (0.00 ≤ x ≤ 0.07) manganites. Journal of Applied Physics, 2012, 112, .	1.1	47
97	Asymmetric hysteresis loops and its dependence on magnetic anisotropy in exchange biased Co/CoO core-shell nanoparticles. Applied Physics Letters, 2012, 101, .	1.5	42
98	Spin dynamics and criteria for onset of exchange bias in superspin glass Fe ₃ O ₄ nanoparticles. Applied Physics Letters, 2012, 101, .	1.1	70
99	Excellent magnetocaloric properties of melt-extracted Gd-based amorphous microwires. Applied Physics Letters, 2012, 101, .	1.5	91
100	Structure, magnetic, and magnetocaloric properties of amorphous and crystalline La _{0.4} Ca _{0.6} MnO ₃ +f nanoparticles. Journal of Alloys and Compounds, 2012, 512, 94-99.	2.8	67
101	Surface spin disorder and exchange-bias in hollow maghemite nanoparticles. Applied Physics Letters, 2012, 101, .	1.5	69
102	Carrier-mediated interaction of magnetic moments in oxygen vacancy-controlled epitaxial Mn-doped ZnO thin films. Journal of Applied Physics, 2012, 111, 07C318.	1.1	11
103	Impact of nanostructuring on the magnetic and magnetocaloric properties of microscale phase-separated La _{1-x} Mn ₅ Mo ₈ Ca _x manganites. Journal of Applied Physics, 2012, 111, 07C319.	1.1	60
104	Tunable magnetocaloric effect near room temperature in La _{0.7-x} Pr _x Sr _{0.3} MnO ₃ (0.02 ≤ x ≤ 0.30) manganites. Journal of Applied Physics, 2012, 111, 063918.	1.1	49
105	Magnetocaloric effect and refrigerant capacity in Sm _{1-x} Sr _x MnO ₃ (x = 0.42, 0.44, 0.46) manganites. Journal of Applied Physics, 2012, 111, 07D705.	1.1	21
106	Fabrication and magnetic response probed by RF transverse susceptibility in La _{0.67} Ca _{0.33} MnO ₃ nanowires. Physica B: Condensed Matter, 2012, 407, 175-178.	1.3	10
107	Transverse susceptibility as a probe of the magnetocrystalline anisotropy-driven phase transition in Pr _{1-x} Eu _x Mn ₅ Mo ₈ Ca _x manganites. Journal of Applied Physics, 2012, 111, 07C320.	1.1	28
108	Origin of the magnetic anomaly and tunneling effect of europium on the ferromagnetic ordering in Pr _{1-x} Eu _x Mn ₈ Ca _x manganites. Physical Review B, 2011, 84, .	1.1	70

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109	Phase coexistence and magnetic anisotropy in polycrystalline and nanocrystalline LaMnO_3 . Journal of Applied Physics, 2011, 109, .	1.1	29
110	Table-like magnetocaloric effect and enhanced refrigerant capacity in $\text{Eu}_8\text{Ga}_{16}\text{Ge}_{30}$ -EuO composite materials. Applied Physics Letters, 2011, 99, .	1.5	120
111	Giant magnetoimpedance and field sensitivity in amorphous and nanocrystalline $(\text{Co}_{1-x}\text{Fe}_x)_{89}\text{Zr}_7\text{B}_4$ ($x=0, 0.025, 0.05, 0.1$) ribbons. Journal of Applied Physics, 2011, 109, 07B508.	1.1	21
112	Tunable Magneto-Dielectric Polymer Nanocomposites for Microwave Applications. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 302-310.	2.9	27
113	Enhanced giant magnetoimpedance effect and field sensitivity in Co-coated soft ferromagnetic amorphous ribbons. Journal of Applied Physics, 2011, 109, .	1.1	59
114	Collapse of charge ordering and enhancement of magnetocaloric effect in nanocrystalline $\text{La}_{0.35}\text{Pr}_{0.275}\text{Ca}_{0.375}\text{MnO}_3$. Applied Physics Letters, 2010, 97, .	1.5	88
115	Critical length and giant magnetoimpedance in $\text{Co}_{69}\text{Fe}_{4.5}\text{Ni}_{1.5}\text{Si}_{10}\text{B}_{15}$ amorphous ribbons. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 172, 146-150.	1.7	29
116	Magnetic anisotropy and field switching in cobalt ferrite thin films deposited by pulsed laser ablation. Journal of Applied Physics, 2010, 107, .	1.1	85
117	Magnetocaloric effect in Gd/W thin film heterostructures. Journal of Applied Physics, 2010, 107, .	1.1	51
118	Field dependence of the magnetocaloric effect in core-shell nanoparticles. Journal of Applied Physics, 2010, 107, .	1.1	58
119	Magnetocaloric effect and refrigerant capacity in Sr-doped $\text{Eu}_8\text{Ga}_{16}\text{Ge}_{30}$ type-I clathrates. Journal of Applied Physics, 2010, 107, .	1.1	19
120	Carbon nanostraws: nanotubes filled with superparamagnetic nanoparticles. Nanotechnology, 2009, 20, 485604.	1.3	39
121	Enhancement in Ferroelectricity in V-Doped ZnO Thin Film Grown using Laser Ablation. Materials Research Society Symposia Proceedings, 2009, 1199, 80.	0.1	1
122	Investigation of the Pb Depletion in Single and Dual Pulsed Laser Deposited Epitaxial PZT Thin Films and Their Structural Characterization. Materials Research Society Symposia Proceedings, 2009, 1199, 74.	0.1	3
123	Interparticle interactions in coupled $\text{Au}/\text{Fe}_3\text{O}_4$ nanoparticles. Journal of Applied Physics, 2009, 105, 07B502.	1.1	41
124	Preparation of Nearly Monodisperse Nickel Nanoparticles by a Facile Solution Based Methodology and Their Ordered Assemblies. Journal of Physical Chemistry C, 2009, 113, 3426-3429.	1.5	54
125	Magnetocaloric effect and refrigerant capacity in charge-ordered manganites. Journal of Applied Physics, 2009, 106, .	1.1	178
126	Coupled structural/magnetocrystalline anisotropy transitions in the doped perovskite cobaltite $\text{Pr}_{1-x}\text{Ca}_x\text{Co}_2\text{O}_7$ Physical Review B, 2009, 79, .	1.1	45

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127	Magnetism and cluster glass dynamics in geometrically frustrated LuFe ₂ O ₄ . Journal of Applied Physics, 2009, 105, 07E308.	1.1	34
128	Growth of Epitaxial ZnO:Mn/ZnO:V Heterostructures and Ferroelectric-ferromagnetic Characterization. Materials Research Society Symposia Proceedings, 2009, 1161, 2021.	0.1	0
129	Transverse susceptibility study of the effect of varying dipolar interactions on anisotropy peaks in a three-dimensional assembly of soft ferrite nanoparticles. Journal of Applied Physics, 2008, 104, 063901.	1.1	32
130	Measurement of the transport spin polarization of doped strontium ruthenates using point contact Andreev reflection. Journal of Applied Physics, 2008, 104, 083701.	1.1	1
131	Anomalous conductivity and positive magnetoresistance in FeSi/SiO ₂ /Si structures in the vicinity of a resistive transition. Applied Physics Letters, 2007, 90, 052102.	1.5	21
132	Static and Dynamic Magnetic Properties of Composite Au-Fe ₃ O ₄ Nanoparticles. IEEE Transactions on Magnetics, 2007, 43, 3094-3096.	1.2	19
133	Porous silicon templates for electrodeposition of nanostructures. Applied Physics A: Materials Science and Processing, 2007, 87, 773-780.	1.1	48
134	Magnetization in insulating phases of Ti ⁴⁺ -doped SrFeO ₃ . Journal of Applied Physics, 2006, 99, 08S904.	1.1	20
135	Superparamagnetic Polymer Nanocomposites with Uniform Fe ₃ O ₄ Nanoparticle Dispersions. Advanced Functional Materials, 2006, 16, 71-75.	7.8	270
136	Magnetic Anisotropy and Magnetocaloric Effect (MCE) in NiFe ₂ O ₄ Nanoparticles. Materials Research Society Symposia Proceedings, 2006, 962, 1.	0.1	1
137	Magnetic anisotropy in epitaxial CrO ₂ and CrO ₂ /Cr ₂ O ₃ bilayer thin films. Physical Review B, 2006, 74, .	1.1	40
138	Magnetic properties of polydisperse and monodisperse NiZn ferrite nanoparticles interpreted in a surface structure model. Journal of Applied Physics, 2005, 97, 10G104.	1.1	36
139	Magnetization and magnetoresistance in insulating phases of SrFeO ₃ . Physical Review B, 2005, 72, .	1.1	45
140	Probing Magnetic Anisotropy and Spin Polarization in Spintronic Materials. IEEE Nanotechnology Magazine, 2005, 4, 59-64.	1.1	7
141	Observation of charge ordering and the ferromagnetic phase transition in single crystal LSMO using rf transverse susceptibility. Journal of Applied Physics, 2005, 97, 10C104.	1.1	24
142	Analysis of point-contact Andreev reflection spectra in spin polarization measurements. Physical Review B, 2004, 70, .	1.1	130
143	In-situ synthesis and magnetic properties of polystyrene/polypyrrole nanocomposite materials with uniformly dispersed iron nanoparticles. Materials Research Society Symposia Proceedings, 2003, 788, 3421.	0.1	1
144	In-plane and out-of-plane transverse susceptibility in close-packed arrays of monodisperse Fe nanoparticles. Physical Review B, 2003, 68, .	1.1	49

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145	Effect of the second-order anisotropy constant on the transverse susceptibility of uniaxial ferromagnets. Applied Physics Letters, 2002, 80, 276-278.	1.5	19
146	Switching behavior and its strain dependence in epitaxial CrO ₂ thin films. IEEE Transactions on Magnetics, 2001, 37, 2596-2598.	1.2	4
147	Strain dependence and magnetic anisotropy in chromium dioxide thin films. Materials Research Society Symposia Proceedings, 2000, 648, 1.	0.1	0
148	Radio-frequency impedance measurements using a tunnel-diode oscillator technique. Review of Scientific Instruments, 1999, 70, 3097-3101.	0.6	69