

Manh-Huong Phan

List of Publications by Year in descending order

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206
papers

8,450
citations

44042

48
h-index

54882

84
g-index

213
all docs

213
docs citations

213
times ranked

8591
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong room-temperature ferromagnetism in VSe ₂ monolayers on van der Waals substrates. Nature Nanotechnology, 2018, 13, 289-293.	15.6	1,252
2	Giant magnetoimpedance materials: Fundamentals and applications. Progress in Materials Science, 2008, 53, 323-420.	16.0	767
3	Tunable High Aspect Ratio Iron Oxide Nanorods for Enhanced Hyperthermia. Journal of Physical Chemistry C, 2016, 120, 10086-10093.	1.5	209
4	Magnetocaloric effect and refrigerant capacity in charge-ordered manganites. Journal of Applied Physics, 2009, 106, .	1.1	178
5	Improving the Heating Efficiency of Iron Oxide Nanoparticles by Tuning Their Shape and Size. Journal of Physical Chemistry C, 2018, 122, 2367-2381.	1.5	178
6	Enhanced Magnetic Hyperthermia in Iron Oxide Nano-Octopods: Size and Anisotropy Effects. Journal of Physical Chemistry C, 2016, 120, 8370-8379.	1.5	153
7	Charge Density Wave State Suppresses Ferromagnetic Ordering in VSe ₂ Monolayers. Journal of Physical Chemistry C, 2019, 123, 14089-14096.	1.5	144
8	Impact of reduced dimensionality on the magnetic and magnetocaloric response of La _{0.7} Ca _{0.3} MnO ₃ . Applied Physics Letters, 2013, 102, .	1.5	131
9	Exchange Bias Effects in Iron Oxide-Based Nanoparticle Systems. Nanomaterials, 2016, 6, 221.	1.9	124
10	Physics responsible for heating efficiency and self-controlled temperature rise of magnetic nanoparticles in magnetic hyperthermia therapy. Progress in Biophysics and Molecular Biology, 2018, 133, 9-19.	1.4	116
11	Mechanical and magnetocaloric properties of Gd-based amorphous microwires fabricated by melt-extraction. Acta Materialia, 2013, 61, 1284-1293.	3.8	109
12	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
13	Solvothermal synthesis of CuFe ₂ O ₄ and Fe ₃ O ₄ nanoparticles with high heating efficiency for magnetic hyperthermia application. Journal of Alloys and Compounds, 2020, 816, 152548.	2.8	105
14	Monolayer Vanadium-Doped Tungsten Disulfide: A Room-Temperature Dilute Magnetic Semiconductor. Advanced Science, 2020, 7, 2001174.	5.6	104
15	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
16	Coexistence of conventional and inverse magnetocaloric effects and critical behaviors in Ni ₅₀ Mn _{50-x} Sn _x (<i>x</i> = 13 and 14) alloy ribbon. Applied Physics Letters, 2012, 101, .	1.5	95
17	Long-range ferromagnetism and giant magnetocaloric effect in type VIII Eu ₈ Ga ₁₆ Ge ₃₀ clathrates. Applied Physics Letters, 2008, 93, .	1.5	93
18	Excellent magnetocaloric properties of melt-extracted Gd-based amorphous microwires. Applied Physics Letters, 2012, 101, .	1.5	91

#	ARTICLE	IF	CITATIONS
19	Spin-glass-like freezing of inner and outer surface layers in hollow Fe_3O_4 nanoparticles. Scientific Reports, 2015, 5, 15054.	1.6	89
20	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
21	High impact of in situ dextran coating on biocompatibility, stability and magnetic properties of iron oxide nanoparticles. Materials Science and Engineering C, 2017, 75, 947-956.	3.8	88
22	Magnetic anisotropy and field switching in cobalt ferrite thin films deposited by pulsed laser ablation. Journal of Applied Physics, 2010, 107, .	1.1	85
23	Phase coexistence and magnetocaloric effect in $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$. Physical Review B, 2010, 81, .	1.1	84
24	Unlocking the Potential of Magnetotactic Bacteria as Magnetic Hyperthermia Agents. Small, 2019, 15, e1902626.	5.2	79
25	Co-based magnetic microwire and field-tunable multifunctional macro-composites. Journal of Non-Crystalline Solids, 2009, 355, 1380-1386.	1.5	77
26	One-pot preparation of hyaluronic acid-coated iron oxide nanoparticles for magnetic hyperthermia therapy and targeting CD44-overexpressing cancer cells. Carbohydrate Polymers, 2020, 237, 116130.	5.1	74
27	Spin dynamics and criteria for onset of exchange bias in superspin glass $\text{Fe}_{1-x}\text{Sr}_x\text{O}$. Applied Physics Letters, 2010, 97, .	1.1	70
28	Exceptional electromagnetic interference shielding properties of ferromagnetic microwires enabled polymer composites. Journal of Applied Physics, 2010, 108, .	1.1	70
29	Surface spin disorder and exchange-bias in hollow maghemite nanoparticles. Applied Physics Letters, 2012, 101, .	1.5	69
30	Tunable Ferromagnetism and Thermally Induced Spin Flip in Vanadium-Doped Tungsten Diselenide Monolayers at Room Temperature. Advanced Materials, 2020, 32, e2003607.	11.1	68
31	Structure, magnetic, and magnetocaloric properties of amorphous and crystalline $\text{La}_{0.4}\text{Ca}_{0.6}\text{MnO}_3$ nanoparticles. Journal of Alloys and Compounds, 2012, 512, 94-99.	2.8	67
32	Angle resolved photoemission spectroscopy reveals spin charge separation in metallic MoSe_2 grain boundary. Nature Communications, 2017, 8, 14231.	5.8	66
33	Effects of multiple injections on the efficacy and cytotoxicity of folate-targeted magnetite nanoparticles as theranostic agents for MRI detection and magnetic hyperthermia therapy of tumor cells. Scientific Reports, 2020, 10, 16954.	1.6	66
34	Room-temperature Ferromagnetism in MoTe_2 by Post-Growth Incorporation of Vanadium Impurities. Advanced Electronic Materials, 2019, 5, 1900044.	2.6	60

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37	Enhanced giant magnetoimpedance effect and field sensitivity in Co-coated soft ferromagnetic amorphous ribbons. Journal of Applied Physics, 2011, 109, .	1.1	59
38	Universality in the entropy change for the inverse magnetocaloric effect. Physical Review B, 2013, 87, .	1.1	59
39	Field dependence of the magnetocaloric effect in core-shell nanoparticles. Journal of Applied Physics, 2010, 107, .	1.1	58
40	Combined current-modulation annealing induced enhancement of giant magnetoimpedance effect of Co-rich amorphous microwires. Journal of Applied Physics, 2014, 115, 17A326.	1.1	54
41	Core/shell iron/iron oxide nanoparticles: are they promising for magnetic hyperthermia?. RSC Advances, 2016, 6, 38697-38702.	1.7	53
42	Synthesis and magnetic properties of core/shell FeO/Fe ₃ O ₄ nano-octopods. Journal of Applied Physics, 2013, 113, .	1.1	52
43	Macroscopic phase diagram and magnetocaloric study of metamagnetic transitions in the spin chain system Ca_3O_6 Physical Review B, 2014, 89, .		
44	Critical Behavior and Macroscopic Phase Diagram of the Monoaxial Chiral Helimagnet Cr _{1/3} NbS ₂ . Scientific Reports, 2017, 7, 6545.	1.6	51
45	Ferromagnetic glass-coated microwires with good heating properties for magnetic hyperthermia. Scientific Reports, 2016, 6, 39300.	1.6	50
46	Novel magnetic microwires-embedded composites for structural health monitoring applications. Journal of Applied Physics, 2010, 107, .	1.1	49
47	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
48	Evidence of long-range ferromagnetic order and spin frustration effects in the double perovskite $\text{La}_2\text{Mn}_2\text{O}_7$ Physical Review B, 2019, 99, .	1.1	49
49	Hybrid magnetic nanoparticles as efficient nanoheaters in biomedical applications. Nanoscale Advances, 2021, 3, 867-888.	2.2	48
50	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
51	The universal behavior of inverse magnetocaloric effect in antiferromagnetic materials. Journal of Applied Physics, 2013, 113, .	1.1	47
52	Origin and Shell-Driven Optimization of the Heating Power in Core/Shell Bimagnetic Nanoparticles. ACS Applied Nano Materials, 2020, 3, 1755-1765.	2.4	46
53	Exchange-coupled Fe ₃ O ₄ /CoFe ₂ O ₄ nanoparticles for advanced magnetic hyperthermia. AIP Advances, 2018, 8, .	0.6	44
54	Exchange bias effect in Au-Fe ₃ O ₄ nanocomposites. Nanotechnology, 2014, 25, 055702.	1.3	43

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55	Asymmetric hysteresis loops and its dependence on magnetic anisotropy in exchange biased Co/CoO core-shell nanoparticles. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	42
56	Synthesis, inductive heating, and magnetoimpedance-based detection of multifunctional Fe ₃ O ₄ nanoconjugates. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 715-722.	4.0	42
57	Enhanced refrigerant capacity in Gd-Al-Co microwires with a biphasic nanocrystalline/amorphous structure. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	42
58	Interparticle interactions in coupled Au@Fe ₃ O ₄ nanoparticles. <i>Journal of Applied Physics</i> , 2009, 105, 07B502.	1.1	41
59	Detection of low-concentration superparamagnetic nanoparticles using an integrated radio frequency magnetic biosensor. <i>Journal of Applied Physics</i> , 2013, 113, 104701.	1.1	41
60	Enhanced Magnetism in Highly Ordered Magnetite Nanoparticle-Filled Nanohole Arrays. <i>Small</i> , 2014, 10, 2840-2848.	5.2	40
61	Sub-second and ppm-level optical sensing of hydrogen using templated control of nano-hydride geometry and composition. <i>Nature Communications</i> , 2021, 12, 2414.	5.8	40
62	Room temperature ferromagnetism in monoclinic Mn-doped ZrO ₂ thin films. <i>Journal of Applied Physics</i> , 2012, 111, 07C302.	1.1	39
63	Magneto-Impedance Biosensor With Enhanced Sensitivity for Highly Sensitive Detection of Nanomag-D Beads. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4060-4063.	1.2	39
64	Magnetism and cluster glass dynamics in geometrically frustrated LuFe ₂ O ₄ . <i>Journal of Applied Physics</i> , 2009, 105, 07E308.	1.1	34
65	From core/shell to hollow Fe ₃ O ₄ -Fe ₂ O ₃ nanoparticles: evolution of the magnetic behavior. <i>Nanotechnology</i> , 2015, 26, 405705.	1.3	33
66	Impacts of nanostructuring and magnetic ordering of Nd ³⁺ on the magnetic and magnetocaloric response in NdMnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 384, 138-143.	1.0	32
67	Formation mechanisms of NaZn ₁₃ -type phase in giant magnetocaloric La@Fe@Si compounds during rapid solidification and annealing. <i>Journal of Alloys and Compounds</i> , 2015, 646, 503-511.	2.8	32
68	Correlation between effects of the particle size and magnetic field strength on the magnetic hyperthermia efficiency of dextran-coated magnetite nanoparticles. <i>Materials Science and Engineering C</i> , 2020, 117, 111274.	3.8	32
69	Thermosensitive polymer-coated La _{0.73} Sr _{0.27} MnO ₃ nanoparticles: potential applications in cancer hyperthermia therapy and magnetically activated drug delivery systems. <i>Polymer Journal</i> , 2015, 47, 797-801.	1.3	30
70	Readiness of Magnetic Nanobiosensors for Point-of-Care Commercialization. <i>Journal of Electronic Materials</i> , 2019, 48, 4749-4761.	1.0	30
71	Critical length and giant magnetoimpedance in Co ₆₉ Fe _{4.5} Ni _{1.5} Si ₁₀ B ₁₅ amorphous ribbons. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 172, 146-150.	1.7	29
72	Phase coexistence and magnetic anisotropy in polycrystalline and nanocrystalline LaMnO ₃ + δ . <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	29

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73	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
74	Iron Oxide Nanospheres and Nanocubes for Magnetic Hyperthermia Therapy: A Comparative Study. Journal of Electronic Materials, 2017, 46, 3764-3769.	1.0	29
75	Isolation of Cancer-Derived Exosomes Using a Variety of Magnetic Nanostructures: From Fe ₃ O ₄ Nanoparticles to Ni Nanowires. Nanomaterials, 2020, 10, 1662.	1.9	29
76	Giant spin Seebeck effect through an interface organic semiconductor. Materials Horizons, 2020, 7, 1413-1420.	6.4	29
77	Transverse susceptibility as a probe of the magnetocrystalline anisotropy-driven phase transition in $\text{Pr}_x\text{Sr}_{1-x}\text{MnO}_5$. Physical Review B, 2011, 83, .	1.1	28
78	Epitaxial magnetite nanorods with enhanced room temperature magnetic anisotropy. Nanoscale, 2017, 9, 7858-7867.	2.8	27
79	Magnetically tunable iron oxide nanotubes for multifunctional biomedical applications. Journal of Alloys and Compounds, 2019, 789, 323-329.	2.8	26
80	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
81	Tailoring $\text{La}_x\text{Sr}_{1-x}\text{MnO}_3$ (0.25 $\leq x \leq$ 0.35) nanoparticles for self-regulating magnetic hyperthermia therapy: an in vivo study. Journal of Materials Chemistry B, 2017, 5, 4705-4712.	2.9	25
82	Relating surface roughness and magnetic domain structure to giant magneto-impedance of Co-rich melt-extracted microwires. Scientific Reports, 2017, 7, 46253.	1.6	23
83	Enhanced refrigerant capacity and Curie temperature of amorphous Gd ₆₀ Fe ₂₀ Al ₂₀ microwires. Journal of Alloys and Compounds, 2019, 807, 151694.	2.8	23
84	A magnetic sensor using a 2D van der Waals ferromagnetic material. Scientific Reports, 2020, 10, 4789.	1.6	23
85	Magnetization Reversal and Magnetic Anisotropy in Ordered CoNiP Nanowire Arrays: Effects of Wire Diameter. Sensors, 2015, 15, 5687-5696.	2.1	22
86	Impact of the transverse magnetocrystalline anisotropy of a Co coating layer on the magnetoimpedance response of FeNi-rich nanocrystalline ribbon. Journal of Alloys and Compounds, 2018, 741, 1105-1111.	2.8	22
87	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
88	Magnetocaloric effect and refrigerant capacity in $\text{Sm}_{1-x}\text{Sr}_x\text{MnO}_3$ ($x=0.42, 0.44, 0.46$) manganites. Journal of Applied Physics, 2012, 111, 07D705.	1.1	21
89	Roles of bulk and surface magnetic anisotropy on the longitudinal spin Seebeck effect of Pt/YIG. Scientific Reports, 2017, 7, 13316.	1.6	21
90	A soft ferromagnetic multiwire-based inductance coil sensor for sensing applications. Journal of Applied Physics, 2014, 116, .	1.1	20

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91	Photopolymerization-based synthesis of iron oxide nanoparticle embedded PNIPAM nanogels for biomedical applications. <i>Drug Delivery</i> , 2017, 24, 1317-1324.	2.5	20
92	A new contactless magneto-LC resonance technology for real-time respiratory motion monitoring. <i>Sensors and Actuators A: Physical</i> , 2017, 265, 120-126.	2.0	20
93	Magnetic field dependence of nonlinear magnetic response and tricritical point in the monoaxial chiral helimagnet C_3 . <i>Physical Review B</i> , 2018, 97, .	1.1	20
94	Table-like magnetocaloric behavior and enhanced cooling efficiency of a Bi-constituent Gd alloy wire-based composite. <i>Journal of Alloys and Compounds</i> , 2018, 764, 789-793.	2.8	20
95	A novel method for in situ encapsulation of curcumin in magnetite-silica core-shell nanocomposites: A multifunctional platform for controlled drug delivery and magnetic hyperthermia therapy. <i>Journal of Molecular Liquids</i> , 2021, 324, 114731.	2.3	20
96	Magnetocaloric effect and refrigerant capacity in Sr-doped $\text{Eu}_8\text{Ga}_{16}\text{Ge}_{30}$ type-I clathrates. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	19
97	Influence of microstructure and interfacial strain on the magnetic properties of epitaxial $\text{Mn}_3\text{O}_4/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ layered-composite thin films. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	19
98	Magneto-resistance, magneto-reactance, and magneto-impedance effects in single and multi-wire systems. <i>Journal of Alloys and Compounds</i> , 2013, 549, 295-302.	2.8	19
99	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
100	Direct Laser Writing of Magneto-Photonic Sub-Microstructures for Prospective Applications in Biomedical Engineering. <i>Nanomaterials</i> , 2017, 7, 105.	1.9	18
101	Design of thermosensitive polymer-coated magnetic mesoporous silica nanocomposites with a core-shell structure as a magnetic/temperature dual-responsive drug delivery vehicle. <i>Polymers for Advanced Technologies</i> , 2021, 32, 4101-4109.	1.6	18
102	The scaling and universality of conventional and inverse magnetocaloric effects in Heusler alloys. <i>Applied Physics Letters</i> , 2013, 103, 162410.	1.5	17
103	Critical magnetic and magnetocaloric behavior of amorphous melt-extracted $\text{Gd}_{50}(\text{Co}_{69.25}\text{Fe}_{4.25}\text{Si}_{13}\text{B}_{13.5})_{50}$ microwires. <i>Intermetallics</i> , 2019, 110, 106479.	1.8	17
104	Shell-mediated control of surface chemistry of highly stoichiometric magnetite nanoparticles. <i>Nanoscale</i> , 2020, 12, 13626-13636.	2.8	17
105	Magnetic Vortex and Hyperthermia Suppression in Multigrain Iron Oxide Nanorings. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 787.	1.3	17
106	Role of Magnetic Anisotropy on the Hyperthermia Efficiency in Spherical $\text{Fe}_{3-x}\text{Co}_x\text{O}_4$ ($x = 0 \sim 1$) Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 930.	1.3	17
107	Light-Controlled Room Temperature Ferromagnetism in Vanadium-Doped Tungsten Disulfide Semiconducting Monolayers. <i>Advanced Electronic Materials</i> , 2021, 7, 2100030.	2.6	17
108			

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109	Growth of uniform ZnO nanoparticles by a microwave plasma process. <i>Journal of Alloys and Compounds</i> , 2011, 509, 6859-6863.	2.8	16
110	Heisenberg-like ferromagnetism in $3d^4$ intermetallic $\text{La}_{0.75}\text{Pr}_{0.25}\text{Co}_2\text{P}_2$ with localized Co moments. <i>Physical Review B</i> , 2014, 90, .	1.1	16
111	Structural, magnetic and electronic properties of Ti-doped BaFeO_3 - exhibiting colossal dielectric permittivity. <i>Journal of Alloys and Compounds</i> , 2019, 808, 151760.	2.8	16
112	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
113	Structural, magnetic and hyperthermia properties and their correlation in cobalt-doped magnetite nanoparticles. <i>RSC Advances</i> , 2021, 12, 698-707.	1.7	16
114	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. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	15
115	Enhanced high-frequency magneto-impedance response of melt-extracted $\text{Co}_{69.25}\text{Fe}_{4.25}\text{Si}_{13}\text{B}_{13.5}$ microwires subject to Joule annealing. <i>Journal of Science: Advanced Materials and Devices</i> , 2016, 1, 69-74.	1.5	15
116	Formation of tree-like and vortex magnetic domains of nanocrystalline $\hat{\pm}$ -(Fe,Si) in La-Fe-Si ribbons during rapid solidification and subsequent annealing. <i>Journal of Alloys and Compounds</i> , 2016, 669, 205-209.	2.8	15
117	Mössbauer Studies of Core-Shell $\text{FeO}/\text{Fe}_3\text{O}_4$ Nanoparticles. <i>Physics of the Solid State</i> , 2018, 60, 382-389.	0.2	15
118	Crystal structure and magnetic properties of Ti-doped $\text{Bi}_{0.84}\text{La}_{0.16}\text{FeO}_3$ at morphotropic phase boundary. <i>Journal of Alloys and Compounds</i> , 2018, 741, 59-64.	2.8	15
119	Metamagnetism and kinetic arrest in a long-range ferromagnetically ordered multicaloric double perovskite Y_2CoMnO_6 . <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 507, 166821.	1.0	15
120	Zig-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. <i>Journal of Applied Physics</i> , 2012, 111, 07D730.	1.1	14
121	Tailoring magnetic and microwave absorption properties of glass-coated soft ferromagnetic amorphous microwires for microwave energy sensing. <i>Journal of Applied Physics</i> , 2014, 115, 17A525.	1.1	14
122	Impact of structural disorder on the magnetic ordering and magnetocaloric response of amorphous Gd-based microwires. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	14
123	Nucleation mechanism of nano-sized NaZn_{13} -type and $\hat{\pm}$ -(Fe,Si) phases in La-Fe-Si alloys during rapid solidification. <i>Nanoscale Research Letters</i> , 2015, 10, 143.	3.1	14
124	Influence of Ti Doping on the Critical Behavior and Magnetocaloric Effect in Disordered Ferromagnets $\text{La}_{0.7}\text{Ba}_{0.3}\text{Mn}_{1-x}\text{Ti}_x\text{O}_3$. <i>Journal of Electronic Materials</i> , 2016, 45, 2508-2515.	1.0	14
125	Remote triggering of thermoresponsive PNIPAM by iron oxide nanoparticles. <i>RSC Advances</i> , 2016, 6, 5641-5652.	1.7	14
126	Preparation of hyaluronic acid-decorated mixed nanomicelles for targeted delivery of hydrophobic drugs to CD44-overexpressing cancer cells. <i>International Journal of Pharmaceutics</i> , 2021, 592, 120052.	2.6	14

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127	Mössbauer spectroscopy studies of phase evolution in SrFe ₁₂ O ₁₉ /La _{0.5} Ca _{0.5} MnO ₃ composites. Journal of Alloys and Compounds, 2015, 636, 323-328.	2.8	13
128	Correlation between domain structure, surface anisotropy and high frequency magneto-impedance in Joule annealed CoFe-based melt-spun ribbons. Journal of Alloys and Compounds, 2016, 682, 799-804.	2.8	13
129	Melt-extracted Gd _{73.5} Si ₁₃ B _{13.5} /Gd ₆₆ ferromagnetic/antiferromagnetic microwires with excellent magnetocaloric properties. Journal of Alloys and Compounds, 2020, 818, 153333.	2.8	13
130	Investigating spin coupling across a three-dimensional interface in core/shell magnetic nanoparticles. Physical Review Materials, 2020, 4, .	0.9	13
131	Magnetocaloric effect and critical behavior in melt-extracted Gd ₆₀ Co ₁₅ Al ₂₅ microwires. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1905-1910.	0.8	12
132	Heating ability and biocompatibility study of silica-coated magnetic nanoparticles as heating mediators for magnetic hyperthermia and magnetically triggered drug delivery systems. Bulletin of Materials Science, 2015, 38, 1633-1638.	0.8	12
133	Synthesis of Bilayer Surfactant-Coated Magnetic Nanoparticles for Application in Magnetic Fluid Hyperthermia. Journal of Dispersion Science and Technology, 2016, 37, 693-698.	1.3	12
134	Bilayer plasmonic nano-lattices for tunable hydrogen sensing platform. Nano Energy, 2020, 71, 104558.	8.2	12
135	Iron Oxide Nanorings and Nanotubes for Magnetic Hyperthermia: The Problem of Intraparticle Interactions. Nanomaterials, 2021, 11, 1380.	1.9	12
136	Effect of antiphase boundaries on the magnetic properties of La ₂ CoMnO ₆ . AIP Advances, 2019, 9, .	0.6	11
137	Spin Seebeck Effect in Iron Oxide Thin Films: Effects of Phase Transition, Phase Coexistence, And Surface Magnetism. ACS Applied Materials & Interfaces, 2022, 14, 13468-13479.	4.0	11
138	Monte Carlo study of a bilayer model for exchange bias using a magnetic glass exhibiting random magnetic anisotropy. Journal of Applied Physics, 2010, 107, .	1.1	10
139	Synthesis of MnAl ₂ O ₄ nanocrystallites by Pechini and sequential homogenous precipitation methods: characterization, product comparison, photocatalytic effect, and Taguchi optimization. Journal of Sol-Gel Science and Technology, 2012, 64, 485-492.	1.1	10
140	Synthesis of CuAl ₂ O ₄ nanoparticles by mixed chelates thermolysis and homogeneous precipitation using solubility difference reactions; Taguchi optimization and photocatalytic application. Journal of Materials Science: Materials in Electronics, 2013, 24, 3914-3920.	1.1	10
141	Enhanced room-temperature spin Seebeck effect in a YIG/C60/Pt layered heterostructure. AIP Advances, 2018, 8, .	0.6	10
142	A perspective on two-dimensional van der Waals opto-spin-caloritronics. Applied Physics Letters, 2021, 119, .	1.5	10
143	The effect of the magnetically dead layer on the magnetization and the magnetic anisotropy of the dextran-coated magnetite nanoparticles. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	10
144	Advanced Magnetic Microwires as Sensing Elements for LC-Resonant-Type Magnetoimpedance Sensors: A Comprehensive Review. Journal of Superconductivity and Novel Magnetism, 2012, 25, 181-195.	0.8	9

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145	Sensing RF and microwave energy with fiber Bragg grating heating via soft ferromagnetic glass-coated microwires. <i>Sensors and Actuators A: Physical</i> , 2014, 210, 25-31.	2.0	9
146	Tailoring circular magnetic domain structure and high frequency magneto-impedance of melt-extracted Co _{69.25} Fe _{4.25} Si ₁₃ B _{13.5} microwires through Nb doping. <i>AIP Advances</i> , 2017, 7, .	0.6	9
147	Magnetic Interactions and Magnetocaloric Effect in (La _{0.5} Pr _{0.5}) _{0.6} Ba _{0.4} MnO ₃ : Effect of A-Site Codoping. <i>Journal of Electronic Materials</i> , 2020, 49, 2596-2607.	1.0	9
148	Exchange bias in magnetic nanoparticle capped with amorphous magnetic shell. <i>Journal of Applied Physics</i> , 2011, 110, 043909.	1.1	8
149	Impacts of first-order phase transition and phase coexistence on the universal behavior of inverse magnetocaloric effect. <i>Journal of Applied Physics</i> , 2014, 115, 17A907.	1.1	8
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