

# 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

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times ranked

8591  
citing authors

#	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 <sub>2</sub> O <sub>3</sub> 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 Gd <sub>1-x</sub> Fe <sub>x</sub> 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 &amp; 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 NiFe <sub>2</sub> O <sub>4</sub> /Graphene interface. <i>AIP Advances</i> , 2022, 12, .	0.6	3
7	High pressure enhanced magnetic ordering and magnetostructural coupling in the geometrically frustrated spinel $Mn_2O_4$ . <i>Physical Review B</i> , 2022, 105, .		
8	Encapsulation of Quercetin in a Mixed Nanomicellar System to Enhance its Cytotoxicity against Breast Cancer Cells. <i>Chemical Engineering and Technology</i> , 2022, 45, 1100-1105.	0.9	3
9	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
10	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
11	The effect of the magnetically dead layer on the magnetization and the magnetic anisotropy of the dextran-coated magnetite nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	10
12	Giant low-field magnetocaloric effect and refrigerant capacity in reduced dimensionality EuTiO <sub>3</sub> multiferroics. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156819.	2.8	16
13	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
14	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
15	Role of Magnetic Anisotropy on the Hyperthermia Efficiency in Spherical Fe <sub>3-x</sub> CoxO <sub>4</sub> (x = 0-1) Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 930.	1.3	17
16	Competing magnetic states in multiferroic BaYFe <sub>4</sub> O <sub>13</sub> : A high magnetic field study. <i>Physical Review Materials</i> , 2021, 5, .	0.9	3
17	A Novel Magnetic Respiratory Sensor for Human Healthcare. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3585.	1.3	2
18	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

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19	Strain-modulated helimagnetism and emergent magnetic phase diagrams in highly crystalline MnP nanorod films. <i>Physical Review B</i> , 2021, 103, .	1.1	6
20	Iron Oxide Nanorings and Nanotubes for Magnetic Hyperthermia: The Problem of Intraparticle Interactions. <i>Nanomaterials</i> , 2021, 11, 1380.	1.9	12
21	Lightâ€Controlled Room Temperature Ferromagnetism in Vanadiumâ€Doped Tungsten Disulfide Semiconducting Monolayers. <i>Advanced Electronic Materials</i> , 2021, 7, 2100030.	2.6	17
22	Design of thermosensitive polymerâ€coated magnetic mesoporous silica nanocomposites with a coreâ€shellâ€shell structure as a magnetic/temperature dualâ€responsive drug delivery vehicle. <i>Polymers for Advanced Technologies</i> , 2021, 32, 4101-4109.	1.6	18
23	Tablelike magnetocaloric effect and enhanced refrigerant capacity in $\text{Eu}_{1-x}\text{Gd}_x\text{O}$ thin films. <i>Physical Review Materials</i> , 2021, 5, .	0.9	4
24	Optimization of the high-frequency magnetoimpedance response in melt-extracted Co-rich microwires through novel multiple-step Joule heating. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 364-371.	1.5	2
25	Hybrid magnetic nanoparticles as efficient nanoheaters in biomedical applications. <i>Nanoscale Advances</i> , 2021, 3, 867-888.	2.2	48
26	Structural, magnetic and hyperthermia properties and their correlation in cobalt-doped magnetite nanoparticles. <i>RSC Advances</i> , 2021, 12, 698-707.	1.7	16
27	A perspective on two-dimensional van der Waals opto-spin-caloritronics. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	10
28	Solvothermal synthesis of $\text{CuFe}_2\text{O}_4$ and $\text{Fe}_3\text{O}_4$ nanoparticles with high heating efficiency for magnetic hyperthermia application. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152548.	2.8	105
29	Melt-extracted $\text{Gd}_{73.5}\text{Si}_{13}\text{B}_{13.5}/\text{Gd}_{\text{B}_6}$ ferromagnetic/antiferromagnetic microwires with excellent magnetocaloric properties. <i>Journal of Alloys and Compounds</i> , 2020, 818, 153333.	2.8	13
30	Tunable Ferromagnetism and Thermally Induced Spin Flip in Vanadiumâ€Doped Tungsten Diselenide Monolayers at Room Temperature. <i>Advanced Materials</i> , 2020, 32, e2003607.	11.1	68
31	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
32	Monolayer Vanadiumâ€Doped Tungsten Disulfide: A Roomâ€Temperature Dilute Magnetic Semiconductor. <i>Advanced Science</i> , 2020, 7, 2001174.	5.6	104
33	Advances in Translational Nanotechnology: Challenges and Opportunities. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4881.	1.3	6
34	Isolation of Cancer-Derived Exosomes Using a Variety of Magnetic Nanostructures: From $\text{Fe}_3\text{O}_4$ Nanoparticles to Ni Nanowires. <i>Nanomaterials</i> , 2020, 10, 1662.	1.9	29
35	Shell-mediated control of surface chemistry of highly stoichiometric magnetite nanoparticles. <i>Nanoscale</i> , 2020, 12, 13626-13636.	2.8	17
36	Anisotropic magnetocaloric properties of the ludwigite single crystal $\text{Cu}_2\text{MnBO}_5$ . <i>Applied Physics Letters</i> , 2020, 116, .	1.5	6

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37	A magnetic sensor using a 2D van der Waals ferromagnetic material. <i>Scientific Reports</i> , 2020, 10, 4789.	1.6	23
38	One-pot preparation of hyaluronic acid-coated iron oxide nanoparticles for magnetic hyperthermia therapy and targeting CD44-overexpressing cancer cells. <i>Carbohydrate Polymers</i> , 2020, 237, 116130.	5.1	74
39	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
40	Bilayer plasmonic nano-lattices for tunable hydrogen sensing platform. <i>Nano Energy</i> , 2020, 71, 104558.	8.2	12
41	Giant spin Seebeck effect through an interface organic semiconductor. <i>Materials Horizons</i> , 2020, 7, 1413-1420.	6.4	29
42	Magnetic Interactions and Magnetocaloric Effect in (La <sub>0.5</sub> Pr <sub>0.5</sub> ) <sub>0.6</sub> Ba <sub>0.4</sub> MnO <sub>3</sub> : Effect of A-Site Codoping. <i>Journal of Electronic Materials</i> , 2020, 49, 2596-2607.	1.0	9
43	Magnetic Vortex and Hyperthermia Suppression in Multigrain Iron Oxide Nanorings. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 787.	1.3	17
44	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. <i>Scientific Reports</i> , 2020, 10, 1695.	1.6	66
45	Robust cycloid crossover driven by anisotropy in the skyrmion host GaV <sub>4</sub> S <sub>8</sub> . <i>Physical Review B</i> , 2020, 101, .	1.1	8
46	Metamagnetism and kinetic arrest in a long-range ferromagnetically ordered multicaloric double perovskite Y <sub>2</sub> CoMnO <sub>6</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 507, 166821.	1.0	15
47	Multicalorics. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	6
48	Investigating spin coupling across a three-dimensional interface in core/shell magnetic nanoparticles. <i>Physical Review Materials</i> , 2020, 4, .	0.9	13
49	High heating efficiency of interactive cobalt ferrite nanoparticles. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 045005.	0.7	2
50	Structural, magnetic and electronic properties of Ti-doped BaFeO <sub>3</sub> - exhibiting colossal dielectric permittivity. <i>Journal of Alloys and Compounds</i> , 2019, 808, 151760.	2.8	16
51	Enhanced refrigerant capacity and Curie temperature of amorphous Gd <sub>60</sub> Fe <sub>20</sub> Al <sub>20</sub> microwires. <i>Journal of Alloys and Compounds</i> , 2019, 807, 151694.	2.8	23
52	Magnetic Hyperthermia: Unlocking the Potential of Magnetotactic Bacteria as Magnetic Hyperthermia Agents (Small 41/2019). <i>Small</i> , 2019, 15, 1970222.	5.2	2
53	Unlocking the Potential of Magnetotactic Bacteria as Magnetic Hyperthermia Agents. <i>Small</i> , 2019, 15, e1902626.	5.2	79
54	Readiness of Magnetic Nanobiosensors for Point-of-Care Commercialization. <i>Journal of Electronic Materials</i> , 2019, 48, 4749-4761.	1.0	30

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55	Magnetically tunable organic semiconductors with superparamagnetic nanoparticles. <i>Materials Horizons</i> , 2019, 6, 1913-1922.	6.4	5
56	The Magnetocaloric Composite Designed by Multi- $\text{Gd-Al-Co}$ Microwires with Close Performances. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900090.	0.8	8
57	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
58	Charge Density Wave State Suppresses Ferromagnetic Ordering in $\text{VSe}_2$ Monolayers. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14089-14096.	1.5	144
59	Magnetically tunable iron oxide nanotubes for multifunctional biomedical applications. <i>Journal of Alloys and Compounds</i> , 2019, 789, 323-329.	2.8	26
60	Condition Monitoring and Failure Prediction of Gear Rotation Using a Contactless RF Magnetic Sensor. <i>Journal of Electronic Materials</i> , 2019, 48, 4000-4006.	1.0	2
61	Evidence of long-range ferromagnetic order and spin frustration effects in the double perovskite $\text{La}_2\text{Mn}_2\text{O}_9$ . <i>Physical Review B</i> , 2019, 99, .	1.1	49
62	Room-temperature Ferromagnetism in $\text{MoTe}_2$ by Post-growth Incorporation of Vanadium Impurities. <i>Advanced Electronic Materials</i> , 2019, 5, 1900044.	2.6	60
63	Effect of antiphase boundaries on the magnetic properties of $\text{La}_2\text{CoMnO}_6$ . <i>AIP Advances</i> , 2019, 9, .	0.6	11
64	Magnetic Anisotropy and Switching Behavior of $\text{Fe}_3\text{O}_4/\text{CoFe}_2\text{O}_4$ Core/Shell Nanoparticles. <i>Journal of Electronic Materials</i> , 2019, 48, 1461-1466.	1.0	7
65	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
66	Real-time monitoring of position and motion of a non-stationary object with a highly sensitive magnetic impedance sensor. <i>Journal of Science: Advanced Materials and Devices</i> , 2018, 3, 122-128.	1.5	5
67	Strong room-temperature ferromagnetism in $\text{VSe}_2$ monolayers on van der Waals substrates. <i>Nature Nanotechnology</i> , 2018, 13, 289-293.	15.6	1,252
68	Impact of the transverse magnetocrystalline anisotropy of a Co coating layer on the magnetoimpedance response of FeNi-rich nanocrystalline ribbon. <i>Journal of Alloys and Compounds</i> , 2018, 741, 1105-1111.	2.8	22
69	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
70	Exchange-coupled $\text{Fe}_3\text{O}_4/\text{CoFe}_2\text{O}_4$ nanoparticles for advanced magnetic hyperthermia. <i>AIP Advances</i> , 2018, 8, .	0.6	44
71	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
72	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

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73	Physics responsible for heating efficiency and self-controlled temperature rise of magnetic nanoparticles in magnetic hyperthermia therapy. Progress in Biophysics and Molecular Biology, 2018, 15, 1-5.	1.4	116
74	Pressure-induced modifications of the magnetic order in the spin-chain compound $CaMn_2P_2O_{10}$ . Physical Review B, 2018, 97, 020407.	1.1	20
75	Enhanced room-temperature spin Seebeck effect in a YIG/C60/Pt layered heterostructure. AIP Advances, 2018, 8, 083101.	0.6	10
76	Magnetic field dependence of nonlinear magnetic response and tricritical point in the monoaxial chiral helimagnet $Cr_2O_3$ . Physical Review B, 2018, 97, 020408.	2.0	20
77	Table-like magnetocaloric behavior and enhanced cooling efficiency of a Bi-constituent Gd alloy wire-based composite. Journal of Alloys and Compounds, 2018, 764, 789-793.	2.8	20
78	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. AIP Advances, 2017, 7, 073101.	0.6	9
79	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
80	Iron Oxide Nanospheres and Nanocubes for Magnetic Hyperthermia Therapy: A Comparative Study. Journal of Electronic Materials, 2017, 46, 3764-3769.	1.0	29
81	Magnetocaloric effect of Gd-based microwires from binary to quaternary system. AIP Advances, 2017, 7, 056422.	0.6	2
82	Angle resolved photoemission spectroscopy reveals spin charge separation in metallic $MoSe_2$ grain boundary. Nature Communications, 2017, 8, 14231.	5.8	66
83	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
84	Tailoring $La_{1-x}Sr_xMnO_3$ (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
85	Epitaxial magnetite nanorods with enhanced room temperature magnetic anisotropy. Nanoscale, 2017, 9, 7858-7867.	2.8	27
86	Photopolymerization-based synthesis of iron oxide nanoparticle embedded PNIPAM nanogels for biomedical applications. Drug Delivery, 2017, 24, 1317-1324.	2.5	20
87	Roles of bulk and surface magnetic anisotropy on the longitudinal spin Seebeck effect of Pt/YIG. Scientific Reports, 2017, 7, 13316.	1.6	21
88	A new contactless magneto-LC resonance technology for real-time respiratory motion monitoring. Sensors and Actuators A: Physical, 2017, 265, 120-126.	2.0	20
89	Critical Behavior and Macroscopic Phase Diagram of the Monoaxial Chiral Helimagnet $Cr_1/3NbS_2$ . Scientific Reports, 2017, 7, 6545.	1.6	51
90	Disclosure of Double Exchange Bias Effect in Chromium (III) Oxide Nanoparticles. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	4

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91	Direct Laser Writing of Magneto-Photonic Sub-Microstructures for Prospective Applications in Biomedical Engineering. <i>Nanomaterials</i> , 2017, 7, 105.	1.9	18
92	Soft Ferromagnetic Microwires with Excellent Inductive Heating Properties for Clinical Hyperthermia Applications. <i>Springer Series in Materials Science</i> , 2017, , 151-167.	0.4	0
93	Exchange Bias Effects in Iron Oxide-Based Nanoparticle Systems. <i>Nanomaterials</i> , 2016, 6, 221.	1.9	124
94	Magnetocaloric Properties Response in High-Speed Melt-Spun La-Ce-Fe-Si Ribbons. <i>Journal of Electronic Materials</i> , 2016, 45, 4730-4735.	1.0	7
95	Cooling achieved by rotating an anisotropic superconductor in a constant magnetic field: A new perspective. <i>AIP Advances</i> , 2016, 6, 125022.	0.6	1
96	Ferromagnetic glass-coated microwires with good heating properties for magnetic hyperthermia. <i>Scientific Reports</i> , 2016, 6, 39300.	1.6	50
97	Enhanced refrigerant capacity in Gd-Al-Co microwires with a biphasic nanocrystalline/amorphous structure. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	42
98	Nanocrystalline $\text{Ce}_{1-x}\text{La}_x\text{O}_2$ Solid Solutions Synthesized by Hydrolyzing and Oxidizing. <i>Journal of Electronic Materials</i> , 2016, 45, 2559-2562.	1.0	6
99	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
100	Iron Nanoparticles Fabricated by High-Energy Ball Milling for Magnetic Hyperthermia. <i>Journal of Electronic Materials</i> , 2016, 45, 2644-2650.	1.0	8
101	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
102	Core/shell iron/iron oxide nanoparticles: are they promising for magnetic hyperthermia?. <i>RSC Advances</i> , 2016, 6, 38697-38702.	1.7	53
103	Tunable High Aspect Ratio Iron Oxide Nanorods for Enhanced Hyperthermia. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10086-10093.	1.5	209
104	Preparation of manganese-based perovskite nanoparticles using a reverse microemulsion method: biomedical applications. <i>Bulletin of Materials Science</i> , 2016, 39, 487-490.	0.8	6
105	Boosted Hyperthermia Therapy by Combined AC Magnetic and Photothermal Exposures in $\text{Ag}_3\text{Fe}_4\text{O}_{10}$ Nanoflowers. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25162-25169.	4.0	107
106	Magnetic Microfluidic Biosensor for the Detection and Quantification of Biomolecules. , 2016, , .		1
107	Anisotropic Mechanical and Giant Magneto-Impedance Properties of Cobalt-Rich Amorphous Ribbons. <i>Journal of Electronic Materials</i> , 2016, 45, 2278-2285.	1.0	3
108	Mössbauer and magnetic studies of the phase state of $\text{SrFe}_{12}\text{O}_{19}/\text{La}_{0.9}\text{Ca}_{0.1}\text{MnO}_3$ composites. <i>Physics of the Solid State</i> , 2016, 58, 792-803.	0.2	6

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109	Enhanced high-frequency magneto-impedance response of melt-extracted Co <sub>69.25</sub> Fe <sub>4.25</sub> Si <sub>13</sub> B <sub>13.5</sub> microwires subject to Joule annealing. <i>Journal of Science: Advanced Materials and Devices</i> , 2016, 1, 69-74.	1.5	15
110	Enhanced High-Frequency Magnetoresistance Responses of Melt-Extracted Co-Rich Soft Ferromagnetic Microwires. <i>Journal of Electronic Materials</i> , 2016, 45, 2395-2400.	1.0	5
111	Formation of tree-like and vortex magnetic domains of nanocrystalline $\hat{I}_{\pm}$ -(Fe,Si) in La $\hat{I}$ Fe $\hat{I}$ Si ribbons during rapid solidification and subsequent annealing. <i>Journal of Alloys and Compounds</i> , 2016, 669, 205-209.	2.8	15
112	Influence of Ti Doping on the Critical Behavior and Magnetocaloric Effect in Disordered Ferromagnets La <sub>0.7</sub> Ba <sub>0.3</sub> Mn $\hat{I}$ x Ti x O <sub>3</sub> . <i>Journal of Electronic Materials</i> , 2016, 45, 2508-2515.	1.0	14
113	Giant Magnetoimpedance Sensors and Their Applications. <i>Engineering Materials and Processes</i> , 2016, , 99-117.	0.2	1
114	Remote triggering of thermoresponsive PNIPAM by iron oxide nanoparticles. <i>RSC Advances</i> , 2016, 6, 5641-5652.	1.7	14
115	Synthesis of Bilayer Surfactant-Coated Magnetic Nanoparticles for Application in Magnetic Fluid Hyperthermia. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 693-698.	1.3	12
116	Spin-glass-like freezing of inner and outer surface layers in hollow $\hat{I}^3$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Scientific Reports</i> , 2015, 5, 15054.	1.6	89
117	Magnetocaloric effect and critical behavior in melt-extracted Gd <sub>60</sub> Co <sub>15</sub> Al <sub>25</sub> microwires ( <i>Phys. Status Solidi A</i> 9 $\hat{I}$ 2015). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, n/a-n/a.	0.8	0
118	Magnetocaloric effect and critical behavior in melt-extracted Gd <sub>60</sub> Co <sub>15</sub> Al <sub>25</sub> microwires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 1905-1910.	0.8	12
119	Nanomaterials for Biomedical Applications and Environmental Monitoring. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-2.	1.5	0
120	A novel approach for detection and quantification of magnetic nanomarkers using a spin valve GMR-integrated microfluidic sensor. <i>RSC Advances</i> , 2015, 5, 51169-51175.	1.7	29
121	Anisotropy effects in magnetic hyperthermia: A comparison between spherical and cubic exchange-coupled FeO/Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	103
122	Magnetic properties and magnetocaloric effect in Fe <sub>90-x</sub> Sn x Zr <sub>10</sub> alloy ribbons. <i>Journal of the Korean Physical Society</i> , 2015, 66, 1247-1252.	0.3	2
123	Critical Behavior and Magnetocaloric Effect in La <sub>2</sub> NiMnO <sub>6</sub> Nanocrystals. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	0
124	From core/shell to hollow Fe $\hat{I}^3$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles: evolution of the magnetic behavior. <i>Nanotechnology</i> , 2015, 26, 405705.	1.3	33
125	Impacts of nanostructuring and magnetic ordering of Nd <sup>3+</sup> on the magnetic and magnetocaloric response in NdMnO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 384, 138-143.	1.0	32
126	Mössbauer spectroscopy studies of phase evolution in SrFe <sub>12</sub> O <sub>19</sub> /La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> composites. <i>Journal of Alloys and Compounds</i> , 2015, 636, 323-328.	2.8	13



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127	Formation mechanisms of NaZn13-type phase in giant magnetocaloric La <sup>1-x</sup> Fe <sup>x</sup> Si compounds during rapid solidification and annealing. <i>Journal of Alloys and Compounds</i> , 2015, 646, 503-511.	2.8	32
128	Magnetization Reversal and Magnetic Anisotropy in Ordered CoNiP Nanowire Arrays: Effects of Wire Diameter. <i>Sensors</i> , 2015, 15, 5687-5696.	2.1	22
129	Nucleation mechanism of nano-sized NaZn13-type and $\hat{1}_{\pm}$ -(Fe,Si) phases in La-Fe-Si alloys during rapid solidification. <i>Nanoscale Research Letters</i> , 2015, 10, 143.	3.1	14
130	Heating ability and biocompatibility study of silica-coated magnetic nanoparticles as heating mediators for magnetic hyperthermia and magnetically triggered drug delivery systems. <i>Bulletin of Materials Science</i> , 2015, 38, 1633-1638.	0.8	12
131	Thermosensitive polymer-coated La <sub>0.73</sub> Sr <sub>0.27</sub> MnO <sub>3</sub> nanoparticles: potential applications in cancer hyperthermia therapy and magnetically activated drug delivery systems. <i>Polymer Journal</i> , 2015, 47, 797-801.	1.3	30
132	Enhanced magnetism and ferroelectricity in epitaxial Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> multiferroic heterostructures grown using dual-laser ablation technique. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	6
133	Formation of NaZn13-type phase in LaFe <sub>11.5</sub> Si <sub>1.5</sub> alloy during solidification process. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1708, 75.	0.1	3
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