

Michael E Mchenry

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137
papers

4,314
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29
h-index

62
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140
ext. papers

4,644
ext. citations

3.3
avg, IF

5.25
L-index

#	Paper	IF	Citations
137	Amorphous and nanocrystalline materials for applications as soft magnets. <i>Progress in Materials Science</i> , 1999 , 44, 291-433	42.2	1246
136	Evaluation of iron-cobalt/ferrite core-shell nanoparticles for cancer thermotherapy. <i>Journal of Applied Physics</i> , 2008 , 103, 07A307	2.5	202
135	Synthesis of ferrite and nickel ferrite nanoparticles using radio-frequency thermal plasma torch. <i>Journal of Applied Physics</i> , 2002 , 91, 7589	2.5	158
134	Electronic structure, exchange interactions, and Curie temperature of FeCo. <i>Journal of Applied Physics</i> , 1999 , 85, 4833-4835	2.5	147
133	Soft Magnetic Materials in High-Frequency, High-Power Conversion Applications. <i>Jom</i> , 2012 , 64, 772-781	2.1	106
132	Thermal stability of the nanocrystalline Fe ₈₈ Co ₁₂ B ₁₀ Cu alloy. <i>Journal of Applied Physics</i> , 1999 , 85, 4424-4426	2.5	82
131	Recent advances in the development of (Fe,Co) ₈₈ M ₇ B ₄ Cu ₁ magnets (invited). <i>Journal of Applied Physics</i> , 2000 , 87, 7091-7096	2.5	78
130	Distributed exchange interactions and temperature dependent magnetization in amorphous Fe ₈₈ Co _x Zr ₇ B ₄ Cu ₁ alloys. <i>Journal of Applied Physics</i> , 1999 , 85, 5130-5132	2.5	74
129	Thermomagnetic analysis of FeCoCrNi alloys: Magnetic entropy of high-entropy alloys. <i>Journal of Applied Physics</i> , 2013 , 113, 17A923	2.5	73
128	Magnetic properties and ordering in C-coated Fe _x Co _{1-x} alloy nanocrystals. <i>Journal of Applied Physics</i> , 1998 , 83, 6468-6470	2.5	72
127	Magnetic properties and microstructural observations of oxide coated FeCo nanocrystals before and after compaction. <i>Journal of Applied Physics</i> , 1999 , 85, 4406-4408	2.5	66
126	Magnetic Properties of Ordered and Disordered Spinel-Phase Ferrimagnets. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3342-3346	3.8	65
125	Theory of magnetic fluid heating with an alternating magnetic field with temperature dependent materials properties for self-regulated heating. <i>Journal of Applied Physics</i> , 2009 , 105, 07B324	2.5	61
124	Synthesis, Structure, and Superconducting Properties of Tantalum Carbide Nanorods and Nanoparticles. <i>Journal of Materials Research</i> , 1998 , 13, 2465-2471	2.5	56
123	Ab initio theoretical study of magnetization and phase stability of the (Fe,Co,Ni) ₂₃ B ₆ and (Fe,Co,Ni) ₂₃ Zr ₆ structures of Cr ₂₃ C ₆ and Mn ₂₃ Th ₆ prototypes. <i>Physical Review B</i> , 2008 , 78,	3.3	55
122	Composition dependence of field induced anisotropy in ferromagnetic (Co,Fe) ₈₉ Zr ₇ B ₄ and (Co,Fe) ₈₈ Zr ₇ B ₄ Cu ₁ amorphous and nanocrystalline ribbons. <i>Journal of Applied Physics</i> , 2008 , 104, 113909	2.5	55
121	Chemical synthesis of monodisperse Fe _x Ni magnetic nanoparticles with tunable Curie temperatures for self-regulated hyperthermia. <i>Journal of Applied Physics</i> , 2010 , 107, 09A312	2.5	53

120	Structure and magnetic properties of rf thermally plasma synthesized Mn and Mn ₂ N ferrite nanoparticles. <i>Journal of Applied Physics</i> , 2003 , 93, 7495-7497	2.5	49
119	Enhanced giant magnetoimpedance effect and field sensitivity in Co-coated soft ferromagnetic amorphous ribbons. <i>Journal of Applied Physics</i> , 2011 , 109, 07C706	2.5	48
118	Overview of Amorphous and Nanocrystalline Magnetocaloric Materials Operating Near Room Temperature. <i>Jom</i> , 2012 , 64, 782-788	2.1	46
117	Giant induced magnetic anisotropy In strain annealed Co-based nanocomposite alloys. <i>Applied Physics Letters</i> , 2012 , 101, 102408	3.4	41
116	Near Room Temperature Magnetocaloric Response of an (FeNi)ZrB Alloy. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2494-2497	2	40
115	The effect of distributed exchange parameters on magnetocaloric refrigeration capacity in amorphous and nanocomposite materials. <i>Journal of Applied Physics</i> , 2012 , 111, 07A334	2.5	39
114	Curie Temperature Engineering in High Entropy Alloys for Magnetocaloric Applications. <i>IEEE Magnetics Letters</i> , 2016 , 7, 1-5	1.6	35
113	Structure and magnetic properties of L10 CoPt(Ag/MgO,MgO) thin films. <i>Journal of Applied Physics</i> , 2000 , 87, 6950-6952	2.5	35
112	Controlled oxidation of FeCo magnetic nanoparticles to produce faceted FeCo/ferrite nanocomposites for rf heating applications. <i>Journal of Applied Physics</i> , 2009 , 105, 07A328	2.5	33
111	Magnetic properties of polydisperse and monodisperse NiZn ferrite nanoparticles interpreted in a surface structure model. <i>Journal of Applied Physics</i> , 2005 , 97, 10G104	2.5	32
110	Structural studies of secondary crystallization products of the Fe ₂₃ B ₆ -type in a nanocrystalline FeCoB-based alloy. <i>Journal of Applied Physics</i> , 2007 , 101, 09N114	2.5	31
109	Tuning the Curie temperature in FeNi nanoparticles for magnetocaloric applications by controlling the oxidation kinetics. <i>Journal of Applied Physics</i> , 2013 , 113, 17A918	2.5	29
108	Nanocrystalline materials for high temperature soft magnetic applications: A current prospectus. <i>Bulletin of Materials Science</i> , 1999 , 22, 495-501	1.7	29
107	Shear band formation and fracture behavior of nanocrystalline (Co,Fe)-based alloys. <i>Philosophical Magazine</i> , 2010 , 90, 1547-1565	1.6	28
106	Induction heating of FeCo nanoparticles for rapid rf curing of epoxy composites. <i>Journal of Applied Physics</i> , 2009 , 105, 07E714	2.5	28
105	The effect of field cooling and field orientation on the martensitic phase transformation in a Ni ₂ MnGa single crystal. <i>Journal of Applied Physics</i> , 2000 , 87, 5777-5779	2.5	28
104	Amorphous and Nanocomposite Materials for Energy-Efficient Electric Motors. <i>Journal of Electronic Materials</i> , 2016 , 45, 219-225	1.9	27
103	Magnetic properties and crystallization kinetics of (Fe _{100-x} Ni _x) ₈₀ Nb ₄ Si ₂ B ₁₄ metal amorphous nanocomposites. <i>Scripta Materialia</i> , 2018 , 142, 133-137	5.6	27

102	The Effects of Strain-Annealing on Tuning Permeability and Lowering Losses in Fe-Ni-Based Metal Amorphous Nanocomposites. <i>Jom</i> , 2017 , 69, 2164-2170	2.1	26
101	Stress induced anisotropy in Co-rich magnetic nanocomposites for inductive applications. <i>Journal of Materials Research</i> , 2016 , 31, 3089-3107	2.5	26
100	The Role of Compositional Tuning of the Distributed Exchange on Magnetocaloric Properties of High-Entropy Alloys. <i>Jom</i> , 2017 , 69, 2125-2129	2.1	25
99	Phase evolution and field-induced magnetic anisotropy of the nanocomposite three-phase fcc, hcp, and amorphous soft magnetic alloy Co ₈₉ Zr ₇ B ₄ . <i>Journal of Applied Physics</i> , 2008 , 103, 07E740	2.5	25
98	Effect of crystal fraction on hardness in FINEMET and NANOPERM nanocomposite alloys. <i>Journal of Applied Physics</i> , 2005 , 97, 10F504	2.5	25
97	Neutron powder diffraction of carbon-coated FeCo alloy nanoparticles. <i>Journal of Applied Physics</i> , 1999 , 85, 4409-4411	2.5	25
96	. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	24
95	Effect of Mo Addition on Structure and Magnetocaloric Effect in FeNi Nanocrystals. <i>Journal of Electronic Materials</i> , 2014 , 43, 137-141	1.9	23
94	High Induction, Low Loss FeCo-Based Nanocomposite Alloys With Reduced Metalloid Content. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3452-3455	2	23
93	Temperature stability of field induced anisotropy in soft ferromagnetic Fe,Co-based amorphous and nanocomposite ribbons. <i>Journal of Applied Physics</i> , 2009 , 105, 07A322	2.5	22
92	Spin orientation, structure, morphology, and magnetic properties of hematite nanoparticles. <i>Journal of Applied Physics</i> , 2015 , 117, 17A315	2.5	21
91	High speed electric motors based on high performance novel soft magnets. <i>Journal of Applied Physics</i> , 2014 , 115, 17A319	2.5	21
90	Giant magnetoimpedance and field sensitivity in amorphous and nanocrystalline (Co _{1-x} Fe _x) ₈₉ Zr ₇ B ₄ (x = 0, 0.025, 0.05, 0.1) ribbons. <i>Journal of Applied Physics</i> , 2011 , 109, 07B508	2.5	21
89	Increased induction in FeCo-based nanocomposite materials with reduced early transition metal growth inhibitors. <i>Journal of Applied Physics</i> , 2010 , 107, 09A316	2.5	21
88	Metastable FeNi nanostructures with tunable Curie temperature. <i>Journal of Applied Physics</i> , 2010 , 107, 09A305	2.5	21
87	Effects of Co substitution on magnetic properties of Pr ₃ (Fe _{1-x} Co _x) _{27.5} Ti _{1.5} (x=0-0.3). <i>Journal of Applied Physics</i> , 1999 , 85, 4678-4680	2.5	21
86	Modeling of temperature profile during magnetic thermotherapy for cancer treatment. <i>Journal of Applied Physics</i> , 2009 , 105, 07B320	2.5	20
85	Crystallization and thermomagnetic treatment of a Co-rich Co ₈₅ Fe ₁₀ Ni ₅ Zr ₇ B ₄ Ti based nanocomposite alloy. <i>Journal of Applied Physics</i> , 2008 , 103, 07E729	2.5	19

- 84 Magnetic properties of gas atomized powders of Al₇₄Mn₂₀Si₆. *Journal of Applied Physics*, **1988**, 63, 4255-4257 19
- 83 Two-current model of the composition dependence of resistivity in amorphous (Fe_{100-x}Co_x)₈₉Zr₇B₄Cu_y alloys using a rigid-band assumption. *Journal of Applied Physics*, **2012**, 112, 103705 2.5 18
- 82 Phase evolution during crystallization of nanocomposite alloys with Co:Fe ratios in the two-phase region of the binary Fe-Co phase diagram. *Journal of Applied Physics*, **2007**, 101, 09N108 2.5 18
- 81 Magnetic and structural characterization and ferromagnetic resonance study of thin film HITPERM soft magnetic materials for data storage applications. *Journal of Applied Physics*, **2003**, 93, 6528-6530 2.5 18
- 80 Electronic structure calculations of hexagonal and cubic phases of Co₃Pt. *Journal of Applied Physics*, **2003**, 93, 7145-7147 2.5 18
- 79 Structure and stability of rapidly quenched Al₈₆Cr₁₄-Fe_x alloys. *Journal of Materials Science*, **1989**, 24, 3076-3080 4.3 18
- 78 Observations of oxidation mechanisms and kinetics in faceted FeCo magnetic nanoparticles. *Journal of Applied Physics*, **2010**, 107, 09A304 2.5 17
- 77 Using Carbon Nanotubes for the Synthesis of Transition Metal Carbide Nanoparticles. *Journal of Materials Science Letters*, **1999**, 18, 431-433 17
- 76 Stress induced anisotropy in CoFeMn soft magnetic nanocomposites. *Journal of Applied Physics*, **2015**, 117, 17A338 2.5 16
- 75 Novel Solder-Magnetic Particle Composites and Their Reflow Using AC Magnetic Fields. *IEEE Transactions on Magnetics*, **2010**, 46, 2187-2190 2 16
- 74 Structural and soft magnetic properties of a new nanocrystalline Fe-based and B-free alloy. *Journal of Applied Physics*, **2008**, 103, 07E708 2.5 15
- 73 Iron and chromium monolayer magnetism in noble-metal hosts: Systematics of local moment variation with structure. *Physical Review B*, **1991**, 43, 10611-10616 3.3 15
- 72 Real-Time Monitoring of Temperature Rises of Energized Transformer Cores With Distributed Optical Fiber Sensors. *IEEE Transactions on Power Delivery*, **2019**, 34, 1588-1598 4.3 14
- 71 Fe-Co-Tr nanocomposites for application in self-regulated rf heating. *Journal of Applied Physics*, **2010**, 107, 09A313 2.5 14
- 70 High temperature x ray diffraction determination of the body-centered-cubic to face-centered-cubic transformation temperature in (Fe₇₀Ni₃₀)₈₈Zr₇B₄Cu₁ nanocomposites. *Journal of Applied Physics*, **2012**, 111, 07A323 2.5 14
- 69 Magnetic properties of monodomain Nd-Fe-B-C nanoparticles. *Journal of Applied Physics*, **1996**, 79, 5293 2.5 14
- 68 Magnetic moment suppression in rapidly solidified Co-TE-B alloys. *Journal of Applied Physics*, **1988**, 63, 3388-3390 2.5 14
- 67 Crystallization and Nanocrystallization Kinetics of Fe-Based Amorphous Alloys. *Materials Research Society Symposia Proceedings*, **1999**, 577, 551 13

66	Effects of Fe on the ferromagnetic properties of Al-Mn-based quasicrystals. <i>Journal of Applied Physics</i> , 1990 , 67, 5879-5881	2.5	13
65	Metal Amorphous Nanocomposite (MANC) Alloy Cores with Spatially Tuned Permeability for Advanced Power Magnetics Applications. <i>Jom</i> , 2018 , 70, 879-891	2.1	12
64	Phase Evolution in the Fe ₃ O ₄ /Fe ₂ TiO ₄ Pseudo-Binary System and Its Implications for Remanent Magnetization in Martian Minerals. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4124-4127	2	12
63	Crystallization behavior and high temperature magnetic phase transitions of Nb-substituted FeCoSiBCu nanocomposites. <i>Applied Physics Letters</i> , 2011 , 99, 192506	3.4	12
62	Decoration of carbon nanotubes with iron-cobalt (FeCo) alloy using polymer-stabilization and electroless deposition techniques for thermotherapy applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 595-601		11
61	Properties of rapidly solidified TiNiBeSi alloys. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1989 , 60, 871-880		11
60	Effect of P addition on nanocrystallization and high temperature magnetic properties of low B and Nb containing FeCo nanocomposites. <i>Journal of Applied Physics</i> , 2012 , 111, 07A301	2.5	10
59	Magnetic domain observations in a FeCo-based nanocrystalline alloy by Lorentz microscopy. <i>Journal of Applied Physics</i> , 2007 , 101, 09N115	2.5	10
58	Mössbauer analysis of compositional tuning of magnetic exchange interactions in high entropy alloys. <i>AIP Advances</i> , 2019 , 9, 035329	1.5	9
57	Time temperature transformation diagram for secondary crystal products of Co-based Co-Fe-B-Si-Nb-Mn soft magnetic nanocomposite. <i>Journal of Applied Physics</i> , 2015 , 117, 17A329	2.5	9
56	Finite-Element Analysis Modeling of High-Frequency Single-Phase Transformers Enabled by Metal Amorphous Nanocomposites and Calculation of Leakage Inductance for Different Winding Topologies. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-11	2	9
55	Thermal Plasma Synthesis of Fe-Co Alloy Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 501, 121		9
54	Bragg-Williams model of Fe-Co order-disorder phase transformations in a strong magnetic field. <i>Journal of Applied Physics</i> , 2006 , 99, 08F101	2.5	9
53	Magnetic Properties of Hitperm (Fe,Co) ₈₈ Zr ₇ B ₄ Cu ₁ Nanocrystalline Magnets (Invited). <i>Materials Research Society Symposia Proceedings</i> , 1999 , 577, 469		9
52	Carbon Coated Nanoparticle Composites Synthesized in an RF Plasma Torch. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 457, 219		9
51	Reduced losses in rolled Fe _{73.5} Si _{15.5} Nb ₃ B ₇ Cu ₁ nanocrystalline ribbon. <i>Journal of Applied Physics</i> , 2013 , 113, 17A306	2.5	8
50	Local atomic order and magnetism in non-crystalline alloys. <i>IEEE Transactions on Magnetics</i> , 1986 , 22, 421-423	2	8
49	Magnetic susceptibility of rapidly solidified YBa ₂ Cu ₃ O _{7-x} superconductors. <i>Journal of Applied Physics</i> , 1988 , 63, 4229-4231	2.5	8

48	Induced anisotropy in FeCo-based nanocomposites: Early transition metal content dependence. <i>Journal of Applied Physics</i> , 2014 , 115, 17A335	2.5	7
47	Mechanical properties of FeCo magnetic particles-based Sn-Ag-Cu solder composites. <i>Applied Physics Letters</i> , 2013 , 102, 251909	3.4	7
46	The influence of pressure on the phase stability of nanocomposite Fe ₈₉ Zr ₇ B ₄ during heating from energy dispersive x-ray diffraction. <i>Journal of Applied Physics</i> , 2013 , 113, 17A317	2.5	7
45	Secondary crystallization in (Fe ₆₅ Co ₃₅) _{79.5+x} B ₁₃ Nb ₄ Si ₂ Cu _{1.5} and (Fe ₆₅ Co ₃₅) ₈₃ B ₁₀ Nb ₄ Si ₂ Cu ₁ nanocomposite alloys. <i>Journal of Applied Physics</i> , 2012 , 111, 07A329	2.5	7
44	Induction mapping of magnetostrictive materials. <i>Journal of Applied Physics</i> , 1998 , 83, 6837-6839	2.5	7
43	Local moments, diamagnetism, and time-dependent magnetic response of high-temperature superconductors. <i>Journal of Applied Physics</i> , 1988 , 64, 5812-5814	2.5	7
42	Nanocomposite Alloy Design for High Frequency Power Conversion Applications	265-274	7
41	Effects of FeCo magnetic nanoparticles on microstructure of Sn-Ag-Cu alloys. <i>Journal of Applied Physics</i> , 2013 , 113, 17A301	2.5	6
40	Synthesis, Structure, and Superconducting Properties of NbC Nanorods and Nanoparticles. <i>Materials Transactions, JIM</i> , 1999 , 40, 118-122		6
39	Melting and solidification behavior of YBa ₂ Cu ₃ O _{7-δ} . <i>Journal of Applied Physics</i> , 1989 , 65, 3662-3666	2.5	6
38	Determination of Pressure Effects on the β -Phase Transition and Size of Fe in Nd-Fe-B Spring Exchange Magnets. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015 , 46, 5002-5010	2.3	5
37	The Role of Atmosphere on Phase Transformations and Magnetic Properties of Ulvospinel. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 4273-4276	2	5
36	In-situ investigation of phase formation in nanocrystalline (Co _{97.5} Fe _{2.5}) ₈₉ Zr ₇ B ₄ alloy by high temperature x-ray diffraction. <i>Journal of Applied Physics</i> , 2012 , 111, 07A316	2.5	5
35	Monte Carlo studies of directional pair ordering in disordered binary and ternary ferromagnetic BCC crystalline alloys. <i>Journal of Applied Physics</i> , 2007 , 101, 09N118	2.5	5
34	The effect of mechanical working on the in-plane magnetic properties of Hiperco 50. <i>Journal of Applied Physics</i> , 1999 , 85, 6040-6042	2.5	5
33	Nucleation and growth model for {110}- and {111}-truncated nanoparticles. <i>Journal of Materials Research</i> , 2015 , 30, 3011-3019	2.5	4
32	Phase Identification and Temperature-Dependent Magnetization of Ti-Rich Titanomagnetite $(0.5 \leq x \leq 1)$ in Different Atmospheres. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 4314-4318	2	4
31	Effects of gamma-Ray Radiation on Magnetic Properties of NdFeB and SmCo Permanent Magnets for Space Applications 2014 ,		4

30	Synthesis and magnetic properties of single phase titanomagnetites. <i>Journal of Applied Physics</i> , 2014 , 115, 17A934	2.5	4
29	Modeling of localized reflow in solder/magnetic nanocomposites for area-array packaging. <i>Journal of Applied Physics</i> , 2013 , 113, 17A305	2.5	4
28	Correlation between texture, anisotropy, and vector magnetization processes investigated by two-dimensional vector vibrating sample magnetometry in BaO(Fe ₂ O ₃) ₆ thin film. <i>Journal of Applied Physics</i> , 2008 , 103, 07E514	2.5	4
27	Magnetic Force Microscopy Study of New Nanocrystalline Soft Magnetic Ribbons.. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 577, 531		4
26	Calculation of magnetic moments in Ho ₂ C ₃ nanocrystals. <i>Journal of Applied Physics</i> , 1994 , 76, 6307-6309	2.5	4
25	Mass Balance and Atom Probe Tomography Characterization of Soft Magnetic (Fe ₆₅ Co ₃₅) _{79.5} B ₁₃ Si ₂ Nb ₄ Cu _{1.5} Nanocomposites. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	3
24	High quality Y-type hexaferrite thick films for microwave applications by an economical and environmentally benign crystal growth technique. <i>Applied Physics Letters</i> , 2014 , 104, 072411	3.4	3
23	Investigation of (Fe,Co)NbB-Based Nanocrystalline Soft Magnetic Alloys by Lorentz Microscopy and Off-Axis Electron Holography. <i>Microscopy and Microanalysis</i> , 2015 , 21, 498-509	0.5	3
22	Response. <i>Science</i> , 1992 , 255, 1490-1	33.3	3
21	Development of high Bs Fe-Ni-based metal amorphous nanocomposite by optimization of glass-forming ability. <i>Journal of Materials Research</i> , 2021 , 36, 1666-1677	2.5	3
20	High-Temperature First-Order-Reversal-Curve (FORC) Study of Magnetic Nanoparticle Based Nanocomposite Materials. <i>MRS Advances</i> , 2017 , 2, 2669-2674	0.7	2
19	Electronic structure and bonding in titanium carbosulphide. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2000 , 80, 379-394		2
18	Flux Switching Permanent Magnet Motor with Metal Amorphous Nanocomposite Soft Magnetic Material and Rare Earth Free Permanent Magnets 2021 ,		2
17	Fullerene Superconductivity and the Dynamic Jahn-Teller Effect. <i>Science</i> , 1992 , 255, 1490-1490	33.3	2
16	Zero-Dimensional Graphene and Its Behavior under Mechanochemical Activation with Zinc Ferrite Nanoparticles. <i>MRS Advances</i> , 2020 , 5, 1731-1737	0.7	2
15	Finite element analysis modeling of high voltage and frequency 3-phase solid state transformers enabled by metal amorphous nanocomposites. <i>Journal of Materials Research</i> , 2018 , 33, 2138-2147	2.5	2
14	Fabrication of thin films for a small alternating gradient field magnetometer for biomedical magnetic sensing applications. <i>Journal of Applied Physics</i> , 2011 , 109, 07E512	2.5	1
13	Effect of Ga substitution on the structure and magnetic properties of melt-spun Pr ₃ (Fe,Co,Ti) ₂₉ system. <i>Journal of Applied Physics</i> , 2007 , 101, 09K512	2.5	1

12	Magnetic Characteristics of $RCo_{7-x}Zr_x$ Alloys (invited) (R = Sm, Pr, Er, Gd, and Y). <i>Materials Research Society Symposia Proceedings</i> , 1999 , 577, 97		1
11	Icosahedral Symmetry and Magnetism. <i>Materials Research Society Symposia Proceedings</i> , 1986 , 80, 363		1
10	Fundamental studies of hafnia-hematite nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 145, 109567	3.9	1
9	Effect of graphene on the mechanochemical activation of cobalt ferrite nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 150, 109866	3.9	1
8	Analysis of surface roughness and oxidation of FeNi-based metal amorphous nanocomposite alloys. <i>Journal of Alloys and Compounds</i> , 2022 , 912, 165155	5.7	1
7	Structural and Magnetic Properties of $(\text{Fe}_2\text{TiO}_4 \cdot x\text{Fe}_3\text{O}_4)$ ($0 \leq x \leq 1$). <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	0
6	Influence of graphene on the magnetic properties of nickel ferrite nanoparticles. <i>Solid State Ionics</i> , 2020 , 355, 115425	3.3	0
5	Understanding Magnetic Exchange Interactions by the Pressure Dependent Curie Temperature in FeCoNiCuMn High Entropy Alloys. <i>Journal of Phase Equilibria and Diffusion</i> , 2021 , 42, 617	1	0
4	High Entropy Alloys: Magnetocaloric Effects 2022 , 484-490		0
3	Radio-Frequency Rapid Thermal Processing Enabling Spatial Phase Transformation and Nanocrystallization of Soft Magnetic Amorphous Alloys. <i>Advanced Engineering Materials</i> , 2020 , 22, 2200208	3.5	0
2	Rapid Solidification of $YBa_2Cu_3O_{7-x}$, $EuBa_2Cu_3O_{7-x}$, and $GdBa_2Cu_3O_{7-x}$. <i>Materials Research Society Symposia Proceedings</i> , 1987 , 99, 567		
1	Soft Magnetic Materials 2021 , 665-682		