

Michael Farle

List of Publications by Year in descending order

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331
papers

12,148
citations

28736

57
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46524

93
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341
all docs

341
docs citations

341
times ranked

12929
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Interfaces in Epitaxial Off-Stoichiometric Fe _{3+x} Si _{1-x} /Ge/Fe _{3+x} Si _{1-x} Hybrid Structures: Effect on Magnetic and Electric Transport Properties. <i>Nanomaterials</i> , 2022, 12, 131.	1.9	2
2	Iron-cementite nanoparticles in carbon matrix: Synthesis, structure and magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 559, 169503.	1.0	1
3	Beyond Solid Solution High-Entropy Alloys: Tailoring Magnetic Properties via Spinodal Decomposition. <i>Advanced Functional Materials</i> , 2021, 31, 2007668.	7.8	51
4	Numerical Ferromagnetic Resonance Experiments in Nanosized Elements. <i>IEEE Magnetics Letters</i> , 2021, 12, 1-5.	0.6	10
5	Magnetic Nanoparticles as a Tool for Remote DNA Manipulations at a Single-Molecule Level. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14458-14469.	4.0	14
6	Long-Range Ordering Effects in Magnetic Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21602-21612.	4.0	16
7	Dipolar-stabilized first and second-order antiskyrmions in ferrimagnetic multilayers. <i>Nature Communications</i> , 2021, 12, 2611.	5.8	29
8	Dispersion relation of nutation surface spin waves in ferromagnets. <i>Physical Review B</i> , 2021, 103, .	1.1	16
9	Pulsed laser deposition of epitaxial Cr ₂ AlC MAX phase thin films on MgO(111) and Al ₂ O ₃ (0001). <i>Materials Research Letters</i> , 2021, 9, 343-349.	4.1	8
10	Optical and magneto-optical properties of epitaxial Mn ₂ GaC MAX phase thin film. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 528, 167803.	1.0	6
11	Spatially resolved GHz magnetization dynamics of a magnetite nano-particle chain inside a magnetotactic bacterium. <i>Physical Review Research</i> , 2021, 3, .	1.3	6
12	Towards laser printing of magnetocaloric structures by inducing a magnetic phase transition in iron-rhodium nanoparticles. <i>Scientific Reports</i> , 2021, 11, 13719.	1.6	3
13	Magnetic Nanoprobes for Spatio-Mechanical Manipulation in Single Cells. <i>Nanomaterials</i> , 2021, 11, 2267.	1.9	4
14	Formation of Fe-Ni Nanoparticle Strands in Macroscopic Polymer Composites: Experiment and Simulation. <i>Nanomaterials</i> , 2021, 11, 2095.	1.9	6
15	Room temperature synthesized solid solution AuFe nanoparticles and their transformation into Au/Fe Janus nanocrystals. <i>Nanoscale</i> , 2021, 13, 10402-10413.	2.8	8
16	Phase Stability of Nanolaminated Epitaxial (Cr _{1-x} Fe _x) ₂ AlC MAX Phase Thin Films on MgO(111) and Al ₂ O ₃ (0001) for Use as Conductive Coatings. <i>ACS Applied Nano Materials</i> , 2021, 4, 13761-13770.	2.4	6
17	The effect of the composition and pressure on the phase stability and electronic, magnetic, and elastic properties of M ₂ AX (M = Mn, Fe; A = Al, Ga, Si, Ge; X = C, N) phases. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26376-26384.	1.3	5
18	Structural evolution and magnetic properties of high-entropy CuCrFeTiNi alloys prepared by high-energy ball milling and spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152611.	2.8	29

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19	Transport properties of shell-ferromagnetic Heusler precipitates in decomposed Ni _{49.8} Mn _{45.1} Sn _{5.1} and decomposition limit for Ni ₅₀ Mn ₅₀ ^x Sn _x alloys. Journal of Magnetism and Magnetic Materials, 2020, 499, 166265.	1.0	4
20	Decomposition in Ni-Co-Mn-In functional Heusler alloys and its effect on shell-ferromagnetic and magnetocaloric effects. Physical Review B, 2020, 102, .	1.1	5
21	Heterogeneous magnetism and kinetic arrest in antiperovskite $\text{Mn}_3\text{M}_2\text{Sb}$ compounds with Ni Physical Review B, 2020, 102, .	1.1	9
22	Reversal of uniaxial magnetic anisotropy in Fe/GaAs (110) films driven by surface relaxation: An in situ ferromagnetic resonance study. AIP Advances, 2020, 10, 075219.	0.6	2
23	Nutation resonance in ferromagnets. Physical Review B, 2020, 102, .	1.1	25
24	Controlling the Oxidation of Magnetic and Electrically Conductive Solid-Solution Iron-Rhodium Nanoparticles Synthesized by Laser Ablation in Liquids. Nanomaterials, 2020, 10, 2362.	1.9	18
25	Unravelling the nucleation, growth, and faceting of magnetite-gold nanohybrids. Journal of Materials Chemistry B, 2020, 8, 3886-3895.	2.9	5
26	Dynamics of chiral state transitions and relaxations in an FeGe thin plate <i>via</i> in situ Lorentz microscopy. Nanoscale, 2020, 12, 14919-14925.	2.8	6
27	Dynamic unidirectional anisotropy in cubic FeGe with antisymmetric spin-spin-coupling. Scientific Reports, 2020, 10, 2861.	1.6	1
28	Non-standing spin-waves in confined micrometer-sized ferromagnetic structures under uniform excitation. Applied Physics Letters, 2020, 116, 072401.	1.5	10
29	Extracting the Dynamic Magnetic Contrast in Time-Resolved X-ray Transmission Microscopy. Nanomaterials, 2019, 9, 940.	1.9	8
30	Unusual nature of confined modes in a chiral system: Directional transport in standing waves. Physical Review B, 2019, 99, .	1.1	27
31	Direct measurement of anisotropic conductivity in a nanolaminated (Mn _{0.5} Cr _{0.5}) ₂ GaC thin film. Applied Physics Letters, 2019, 115, 094101.	1.5	9
32	Biologically encoded magnonics. Nature Communications, 2019, 10, 4345.	5.8	30
33	Long-term stability and thickness dependence of magnetism in thin (Cr _{0.5} Mn _{0.5}) ₂ GaC MAX phase films. Materials Research Letters, 2019, 7, 159-163.	4.1	12
34	Narrow transitional hysteresis in (MnCrCo) ₂ Sb pnictides for room-temperature magnetic refrigeration. Journal Physics D: Applied Physics, 2019, 52, 155002.	1.3	5
35	Shell-ferromagnetism and decomposition in off-stoichiometric Ni ₅₀ Mn ₅₀ ^x Sb _x Heuslers. Journal of Applied Physics, 2019, 125, .	1.1	9
36	Additive manufacturing of soft magnetic permalloy from Fe and Ni powders: Control of magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2019, 478, 274-278.	1.0	35

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37	Atomically Layered and Ordered Rare-Earth <i>i</i> -MAX Phases: A New Class of Magnetic Quaternary Compounds. <i>Chemistry of Materials</i> , 2019, 31, 2476-2485.	3.2	89
38	Gilbert damping in NiFeGd compounds: Ferromagnetic resonance versus time-resolved spectroscopy. <i>Physical Review B</i> , 2019, 99, .	1.1	18
39	Fe _x Ni _{100-x} Thin Film Systems with Slight Deviations from Zero Magnetostriction Compositions: Focus on Pressure Sensor Applications. <i>Key Engineering Materials</i> , 2019, 826, 11-18.	0.4	1
40	Dynamics of the magnetoelastic phase transition and adiabatic temperature change in Mn _{1.3} Fe _{0.7} P _{0.5} Si _{0.55} . <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 287-291.	1.0	12
41	Magnetic anisotropy of single-crystal antiperovskite Mn_3Mn_2 studied by ferromagnetic resonance and dynamic magnetic-response simulations. <i>Physical Review Materials</i> , 2019, 3, .	0.9	2
42	Large uniaxial magnetostriction with sign inversion at the first order phase transition in the nanolaminated Mn ₂ GaC MAX phase. <i>Scientific Reports</i> , 2018, 8, 2637.	1.6	42
43	Annealing-time and annealing-temperature dependencies of the size of Ni-Mn-In shell-ferromagnetic nano-precipitates by Scherrer analysis. <i>AIP Advances</i> , 2018, 8, .	0.6	16
44	Magnetic properties and structural characterization of layered (Cr _{0.5} Mn _{0.5}) ₂ AuC synthesized by thermally induced substitutional reaction in (Cr _{0.5} Mn _{0.5}) ₂ GaC. <i>APL Materials</i> , 2018, 6, .	2.2	25
45	Structural, magnetic and electrical transport properties of non-conventionally prepared MAX phases V ₂ AlC and (V/Mn) ₂ AlC. <i>Materials Chemistry Frontiers</i> , 2018, 2, 483-490.	3.2	36
46	A variable pole magnet. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 075803.	0.7	0
47	Coherently strained [Fe/Co(C)/Au/Cu] _n multilayers: a path to induce magnetic anisotropy in Fe/Co films over large thicknesses. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 055009.	1.3	3
48	Shaping iron oxide nanocrystals for magnetic separation applications. <i>Nanoscale</i> , 2018, 10, 20462-20467.	2.8	24
49	Size-selected Fe ₃ O ₄ /Au hybrid nanoparticles for improved magnetism-based theranostics. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2684-2699.	1.5	32
50	L10-FeNi films on Au-Cu-Ni buffer-layer: a high-throughput combinatorial study. <i>Scientific Reports</i> , 2018, 8, 15919.	1.6	13
51	Spin-Current Detection via an Interfacial Molecular Paramagnet. <i>Physical Review Applied</i> , 2018, 10, .	1.5	1
52	An effective non-enzymatic biosensor platform based on copper nanoparticles decorated by sputtering on CVD graphene. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1501-1507.	4.0	39
53	Magnetite-Gold nanohybrids as ideal all-in-one platforms for theranostics. <i>Scientific Reports</i> , 2018, 8, 11295.	1.6	77
54	Structure and size dependence of the magnetic properties of Ni@C nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 467, 150-159.	1.0	16

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55	Formation of nickel nanoparticles and magnetic matrix in nickel phthalocyanine by doping with potassium. <i>Materials Chemistry and Physics</i> , 2018, 214, 564-571.	2.0	5
56	Hysteresis Design of Magnetocaloric Materials – From Basic Mechanisms to Applications. <i>Energy Technology</i> , 2018, 6, 1397-1428.	1.8	79
57	Formation Mechanism of Laser-Synthesized Iron-Manganese Alloy Nanoparticles, Manganese Oxide Nanosheets and Nanofibers. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600225.	1.2	36
58	Nanoparticle atoms pinpointed. <i>Nature</i> , 2017, 542, 35-36.	13.7	2
59	Shell-ferromagnetic precipitation in martensitic off-stoichiometric Ni-Mn-In Heusler alloys produced by temper-annealing under magnetic field. <i>Acta Materialia</i> , 2017, 127, 117-123.	3.8	43
60	Magnetic Skyrmion Formation at Lattice Defects and Grain Boundaries Studied by Quantitative Off-Axis Electron Holography. <i>Nano Letters</i> , 2017, 17, 1395-1401.	4.5	33
61	Controlling the conductivity of Ti_3C_2 MXenes by inductively coupled oxygen and hydrogen plasma treatment and humidity. <i>RSC Advances</i> , 2017, 7, 13097-13103.	1.7	79
62	Low-Temperature Phase <i>c</i> -axis Oriented Manganese Bismuth Thin Films With High Anisotropy Grown From an Alloy $Mn_{55}Bi_{45}$ Target. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-6.	1.2	9
63	Room-temperature five-tesla coercivity of a rare-earth-free shell-ferromagnet. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	13
64	Magnetic properties of nanolaminated $(Mo_{0.5}Mn_{0.5})_2GaC$ MAX phase. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	31
65	Enhanced spin-orbit coupling in tetragonally strained $FeCoB$ films. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 275802.	0.7	11
66	Doubling of the magnetic energy product in ferromagnetic nanowires at ambient temperature by capping their tips with an antiferromagnet. <i>Nanotechnology</i> , 2017, 28, 295402.	1.3	7
67	The combination of micro-resonators with spatially resolved ferromagnetic resonance. <i>Review of Scientific Instruments</i> , 2017, 88, 093703.	0.6	13
68	Dynamics of nonergodic ferromagnetic/antiferromagnetic ordering and magnetocalorics in antiperovskite $MnMn_3$. <i>Physical Review B</i> , 2017, 96, .	1.1	20
69	Unified description of collective magnetic excitations. <i>Physical Review B</i> , 2017, 96, .	1.1	5
70	The Production of Cu Nanoparticles on Large Area Graphene by Sputtering and in-flight Sintering. <i>Crystal Research and Technology</i> , 2017, 52, 1700149.	0.6	2
71	The FMR Behaviour of $LiNi$ Ferrite Prepared by Hydrothermal Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 2575-2579.	0.8	6
72	Shell-ferromagnetism in a Ni-Mn-In off-stoichiometric Heusler studied by ferromagnetic resonance. <i>AIP Advances</i> , 2017, 7, 056425.	0.6	5

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73	Control of morphology and formation of highly geometrically confined magnetic skyrmions. Nature Communications, 2017, 8, 15569.	5.8	103
74	Thermally induced substitutional reaction of Fe into Mo ₂ GaC thin films. Materials Research Letters, 2017, 5, 533-539.	4.1	26
75	Kinetic arrest of the ferrimagnetic state in indium-doped Mn _{1.82} Co _{0.18} Sb. Journal of Alloys and Compounds, 2017, 695, 418-425.	2.8	8
76	The reversibility of the inverse magnetocaloric effect in Mn ²⁺ Cr Sb _{0.95} Ga _{0.05} . Acta Materialia, 2017, 124, 93-99.	3.8	30
77	Micromagnetic Simulations for Coercivity Improvement Through Nano-Structuring of Rare-Earth-Free L1 ₀ -FeNi Magnets. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	17
78	Arrangement at the nanoscale: Effect on magnetic particle hyperthermia. Scientific Reports, 2016, 6, 37934.	1.6	131
79	Thin film synthesis and characterization of a chemically ordered magnetic nanolaminate (V,Mn) ₃ GaC ₂ . APL Materials, 2016, 4, .	2.2	28
80	Temperature dependence of perpendicular magnetic anisotropy in CoFeB thin films. Applied Physics Letters, 2016, 108, .	1.5	31
81	Magnetic proximity effect and shell-ferromagnetism in metastable Ni ₅₀ Mn ₄₅ Ga ₅ . Journal of Applied Physics, 2016, 120, .	1.1	21
82	Magnetic anisotropy and relaxation of single Fe/FexOy core/shell- nanocubes: A ferromagnetic resonance investigation. AIP Advances, 2016, 6, .	0.6	2
83	A versatile large-scale and green process for synthesizing magnetic nanoparticles with tunable magnetic hyperthermia features. RSC Advances, 2016, 6, 53107-53117.	1.7	33
84	Characterization of the oleic acid/iron oxide nanoparticle interface by magnetic resonance. Journal of Magnetism and Magnetic Materials, 2016, 415, 8-12.	1.0	26
85	Optimum nanoscale design in ferrite based nanoparticles for magnetic particle hyperthermia. RSC Advances, 2016, 6, 72918-72925.	1.7	17
86	Dynamical Effects of the Martensitic Transition in Magnetocaloric Heusler Alloys from Direct $\langle \mathbf{m} \rangle$ Measurements under Different Magnetic-Field-Sweep Rates. Physical Review Applied, 2016, 5, .	1.5	68
87	Exchange bias caused by field-induced spin reconfiguration in Ni-Mn-Sn. Physical Review B, 2016, 93, .	1.1	40
88	Mastering hysteresis in magnetocaloric materials. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150308.	1.6	210
89	Shell-ferromagnetism of nano-Heuslers generated by segregation under magnetic field. Scientific Reports, 2016, 6, 28931.	1.6	44
90	IEEE Magnetics Society Distinguished Lecturers for 2017. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	0

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91	Enhanced magnetocrystalline anisotropy of Fe ₃₀ Co ₇₀ nanowires by Cu additives and annealing. Nanotechnology, 2016, 27, 365704.	1.3	9
92	Gas-phase synthesis of Fe-Bi metastable and dumbbell particles. Crystal Research and Technology, 2016, 51, 333-336.	0.6	2
93	Effect of Ni Content on Structural and Magnetic Properties of Li-Ni Ferrites Nanostructure Prepared by Hydrothermal Method. Journal of Superconductivity and Novel Magnetism, 2016, 29, 923-929.	0.8	10
94	Magnetic correlations in the magnetocaloric materials Mn ₃ GaC and Mn ₃ GaC _{0.85} Ni _{0.15} studied by neutron polarization analysis and neutron depolarization. Journal of Physics Condensed Matter, 2016, 28, 13LT02.	0.7	3
95	Tuning the magnetism of ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 415, 20-23.	1.0	30
96	Synthesis and structure of strontium ferrite nanowires and nanotubes of high aspect ratio. Journal of Sol-Gel Science and Technology, 2016, 77, 708-717.	1.1	6
97	Magnetic ordering in magnetic shape memory alloy Ni-Mn-In-Co. Physical Review B, 2015, 92, .	1.1	14
98	Characteristics of 5M modulated martensite in Ni-Mn-Ga magnetic shape memory alloys. AIP Advances, 2015, 5, .	0.6	5
99	Splenic red pulp macrophages are intrinsically superparamagnetic and contaminate magnetic cell isolates. Scientific Reports, 2015, 5, 12940.	1.6	41
100	Dependence of the inverse magnetocaloric effect on the field-change rate in Mn ₃ GaC and its relationship to the kinetics of the phase transition. Journal of Applied Physics, 2015, 117, 233902.	1.1	24
101	The structural, magnetic, and magnetocaloric properties of In-doped Mn ₂ Cr ₂ Sb. Journal of Applied Physics, 2015, 118, .	1.1	25
102	Large magnetic anisotropy in strained Fe/Co multilayers on AuCu and the effect of carbon doping. APL Materials, 2015, 3, .	2.2	17
103	Structure-Related Exchange Anisotropy in Oxidized Co ₈₀ Ni ₂₀ Nanorods. Chemistry of Materials, 2015, 27, 4015-4022.	3.2	21
104	Magnetic Anisotropy in the (Cr _{0.5} Mn _{0.5}) ₂ GaC MAX Phase. Materials Research Letters, 2015, 3, 156-160.	4.1	43
105	Magnetic hardening of Fe ₃₀ Co ₇₀ nanowires. Nanotechnology, 2015, 26, 415704.	1.3	32
106	Enhanced biomedical heat-triggered carriers via nanomagnetism tuning in ferrite-based nanoparticles. Journal of Magnetism and Magnetic Materials, 2015, 381, 179-187.	1.0	46
107	Magnetocaloric effect in (La ^{1-x} Sm ^x) _{0.67} Pb _{0.33} MnO ₃ (0 ≤ x ≤ 0.3) manganites near room temperature. Journal of Alloys and Compounds, 2015, 650, 285-294.	2.8	39
108	Kinetic arrest in magnetically inhomogeneous C-deficient Mn ₃ GaC. Journal of Magnetism and Magnetic Materials, 2015, 390, 96-99.	1.0	10

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109	Electrostatic doping as a source for robust ferromagnetism at the interface between antiferromagnetic cobalt oxides. <i>Scientific Reports</i> , 2015, 5, 7997.	1.6	21
110	Correlation between structure and magnetic properties in $\text{Co}_{1-x}\text{Fe}_{100x}$ nanowires: the roles of composition and wire diameter. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 145304.	1.3	41
111	Ferromagnetic resonance study of the perpendicular magnetic anisotropy in MgO/CoFeB/ Ta multilayers as a function of annealing temperature. , 2015, , .		0
112	An approach for transparent and electrically conducting coatings: A transparent plastic varnish with nanoparticulate magnetic additives. <i>Thin Solid Films</i> , 2015, 595, 96-107.	0.8	12
113	Toward broad-band x-ray detected ferromagnetic resonance in longitudinal geometry. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	12
114	Magnetic phase transitions in Ta/CoFeB/MgO multilayers. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	16
115	Model-independent measurement of the charge density distribution along an Fe atom probe needle using off-axis electron holography without mean inner potential effects. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	30
116	Intermartensitic transitions and phase stability in $\text{Ni}_{50}\text{Mn}_{50}\text{Sn}$ Heusler alloys. <i>Acta Materialia</i> , 2015, 99, 140-149.	3.8	64
117	Inducing high coercivity and anisotropy into strained Fe-Co thin films, towards rare earth free permanent magnets applications. , 2015, , .		0
118	Can commercial ferrofluids be exploited in AC magnetic hyperthermia treatment to address diverse biomedical aspects?. <i>EPJ Web of Conferences</i> , 2014, 75, 08002.	0.1	8
119	Field-dependent perpendicular magnetic anisotropy in CoFeB thin films. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	26
120	Uniaxial anisotropy and its manipulation in amorphous $\text{Co}_{68}\text{Fe}_{24}\text{Zr}_8$ thin films (invited). <i>Journal of Applied Physics</i> , 2014, 115, 172605.	1.1	8
121	Angular dependent ferromagnetic resonance analysis in a single micron sized cobalt stripe. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	30
122	Mechanism of tailored magnetic anisotropy in amorphous $\text{Co}_{68}\text{Fe}_{24}\text{Zr}_8$ thin films. <i>Applied Physics Letters</i> , 2014, 104, 072409.	1.5	9
123	Hollow and Yolk-Shell Iron Oxide Nanostructures on Few-Layer Graphene in Li-Ion Batteries. <i>Chemistry - A European Journal</i> , 2014, 20, 2022-2030.	1.7	37
124	Neutron diffraction study of the magnetic-field-induced transition in Mn_3GaC . <i>Journal of Applied Physics</i> , 2014, 115, 043913.	1.1	24
125	Enhancement of magnetization damping coefficient of permalloy thin films with dilute Nd dopants. <i>Physical Review B</i> , 2014, 89, .	1.1	63
126	Room-Temperature Ferromagnetism in Antiferromagnetic Cobalt Oxide Nanooctahedra. <i>Nano Letters</i> , 2014, 14, 640-647.	4.5	74

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127	Kinetic arrest and exchange bias in Ni ₄₀ Mn ₄₀ Ga. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2120-2125.	0.7	14
128	Tunable emission properties by ferromagnetic coupling Mn(II) aggregates in Mn-doped CdS microbelts/nanowires. <i>Nanotechnology</i> , 2014, 25, 385201.	1.3	57
129	Spin-wave modes in permalloy/platinum wires and tuning of the mode damping by spin Hall current. <i>Physical Review B</i> , 2014, 90, .	1.1	31
130	Chemically ordered decahedral FePt nanocrystals observed by electron microscopy. <i>Physical Review B</i> , 2014, 89, .	1.1	20
131	Dipole-Dipole Interaction in Arrays of Fe/Fe _x O _y Core/Shell Nanocubes Probed by Ferromagnetic Resonance. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-9.	1.2	6
132	Effect of a Side Reaction Involving Structural Changes of the Surfactants on the Shape Control of Cobalt Nanoparticles. <i>Langmuir</i> , 2014, 30, 4474-4482.	1.6	8
133	Splitting of spin-wave modes in thin films with arrays of periodic perturbations: theory and experiment. <i>New Journal of Physics</i> , 2014, 16, 023015.	1.2	34
134	Bolometer detection of magnetic resonances in nanoscaled objects. <i>Nanotechnology</i> , 2014, 25, 425302.	1.3	3
135	New Approaches for Measuring Electrostatic Potentials and Charge Density Distributions in Working Devices Using Off-Axis and In-Line Electron Holography. <i>Microscopy and Microanalysis</i> , 2014, 20, 260-261.	0.2	1
136	Blocked-micropores, surface functionalized, bio-compatible and silica-coated iron oxide nanocomposites as advanced MRI contrast agent. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	9
137	Surface morphology and atomic structure of thin layers of Fe ₃ Si on GaAs(001) and their magnetic properties. <i>Journal of Applied Physics</i> , 2013, 113, 103908.	1.1	5
138	Spin Dynamics in the Time and Frequency Domain. <i>Springer Tracts in Modern Physics</i> , 2013, , 37-83.	0.1	23
139	Single-Step Synthesis of Monolithic Comb-like CdS Nanostructures with Tunable Waveguide Properties. <i>Nano Letters</i> , 2013, 13, 2997-3001.	4.5	47
140	Extended investigation of intermartensitic transitions in Ni-Mn-Ga magnetic shape memory alloys: A detailed phase diagram determination. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	82
141	Observation of current-driven oscillatory domain wall motion in Ni ₈₀ Fe ₂₀ /Co bilayer nanowire. <i>Applied Physics Letters</i> , 2013, 103, 042403.	1.5	7
142	Electron Transport in Partially Filled Iron Carbon Nanotubes. <i>Solid State Phenomena</i> , 2012, 190, 498-501.	0.3	0
143	Hysteresis effects in the inverse magnetocaloric effect in martensitic Ni-Mn-In and Ni-Mn-Sn. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	85
144	Rapid and Surfactant-Free Synthesis of Bimetallic Pt-Cu Nanoparticles Simply via Ultrasound-Assisted Redox Replacement. <i>ACS Catalysis</i> , 2012, 2, 1647-1653.	5.5	54

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145	Silver, gold, and alloyed silver-gold nanoparticles: characterization and comparative cell-biologic action. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	69
146	Stable single domain Co nanodisks: synthesis, structure and magnetism. <i>Journal of Materials Chemistry</i> , 2012, 22, 8043.	6.7	17
147	Imaging magnetic responses of nanomagnets by XPEEM. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012, 185, 365-370.	0.8	16
148	<i>In situ</i> multifrequency ferromagnetic resonance and x-ray magnetic circular dichroism investigations on Fe/GaAs(110): Enhanced g-factor. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	14
149	Tuning magnetic relaxation by oblique deposition. <i>Physical Review B</i> , 2012, 85, .	1.1	66
150	Influence of Tb doping on the luminescence characteristics of ZnO nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	15
151	Element-Specific Magnetic Hysteresis of Individual 18 nm Fe Nanocubes. <i>Nano Letters</i> , 2011, 11, 1710-1715.	4.5	64
152	A guideline for atomistic design and understanding of ultrahard nanomagnets. <i>Nature Communications</i> , 2011, 2, 528.	5.8	67
153	Effect of microwave irradiation on spin-torque-driven magnetization precession in nanopillars with magnetic perpendicular anisotropy. <i>Physical Review B</i> , 2011, 83, .	1.1	13
154	Visualization of spin dynamics in single nanosized magnetic elements. <i>Nanotechnology</i> , 2011, 22, 295713.	1.3	47
155	Frequency dependence of spin relaxation in periodic systems. <i>Physical Review B</i> , 2011, 84, .	1.1	46
156	Structure, morphology, and aging of Ag-Fe dumbbell nanoparticles. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 2437-2442.	0.8	25
157	Photomodulation of the Magnetisation of Co Nanocrystals Decorated with Rhodamine B. <i>ChemPhysChem</i> , 2011, 12, 2915-2919.	1.0	2
158	Tailored magnetic anisotropy in an amorphous trilayer. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	7
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