Michael Farle

List of Publications by Year
in descending order

331	12,148	25014	40954
papers	citations	57 h-index	93 g-index

341	341	341	11536
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ferromagnetic resonance of ultrathin metallic layers. Reports on Progress in Physics, 1998, 61, 755-826.	8.1	787
2	Composite Silica Spheres with Magnetic and Luminescent Functionalities. Advanced Functional Materials, 2006, 16, 509-514.	7.8	364
3	Alignment of Carbon Nanotubes under Low Magnetic Fields through Attachment of Magnetic Nanoparticles. Journal of Physical Chemistry B, 2005, 109, 19060-19063.	1.2	315
4	Synthesis and Characterization of Iron/Iron Oxide Core/Shell Nanocubes. Advanced Functional Materials, 2007, 17, 3870-3876.	7.8	216
5	Spin dynamics in ferromagnets: Gilbert damping and two-magnon scattering. Physical Review B, 2007, 76, .	1.1	215
6	Mastering hysteresis in magnetocaloric materials. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150308.	1.6	210
7	Higher-order magnetic anisotropies and the nature of the spin-reorientation transition in face-centered-tetragonal Ni(001)/Cu(001). Physical Review B, 1997, 55, 3708-3715.	1.1	201
8	Liver transplantation in HBs antigen (HBsAg) carriers. Journal of Hepatology, 1991, 13, 90-96.	1.8	190
9	Thickness-dependent Curie temperature of Gd(0001)/W(110) and its dependence on the growth conditions. Physical Review B, 1993, 47, 11571-11574.	1.1	184
10	Correlations between ferromagnetic-resonance linewidths and sample quality in the study of metallic ultrathin films. Physical Review B, 1998, 58, 5611-5621.	1.1	181
11	Bifunctional Gold-Coated Magnetic Silica Spheres. Chemistry of Materials, 2006, 18, 2701-2706.	3.2	159
12	Ferromagnetic order and the critical exponentÎ³for a Gd monolayer: An electron-spin-resonance study. Physical Review Letters, 1987, 58, 511-514.	2.9	154
13	Synthesis and Structure of Colloidal Bimetallic Nanocrystals:Â The Non-Alloying System Ag/Co. Nano Letters, 2002, 2, 621-624.	4.5	154
14	Enhanced Orbital Magnetism inFe50Pt50Nanoparticles. Physical Review Letters, 2006, 97, 117201.	2.9	150
15	Layer Resolved Structural Relaxation at the Surface of Magnetic FePt Icosahedral Nanoparticles. Physical Review Letters, 2008, 100, 017205.	2.9	150
16	Multiply Twinned Morphologies of FePt and CoPt Nanoparticles. Physical Review Letters, 2008, 100, 087203.	2.9	147
17	Water-Based Ferrofluids from FexPt1-xNanoparticles Synthesized in Organic Media. Langmuir, 2004, 20, 6946-6950.	1.6	140
18	Arrangement at the nanoscale: Effect on magnetic particle hyperthermia. Scientific Reports, 2016, 6, 37934.	1.6	131

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19	Water-Stable, Magnetic Silica-Cobalt/Cobalt Oxide-Silica Multishell Submicrometer Spheres. Advanced Functional Materials, 2005, 15, 1036-1040.	7.8	117
20	Magnetic and optical tunable microspheres with a magnetite/gold nanoparticle shell. Journal of Materials Chemistry, 2005, 15, 2095.	6.7	106
21	Control of morphology and formation of highly geometrically confined magnetic skyrmions. Nature Communications, 2017, 8, 15569.	5.8	103
22	Magnetic moments and Curie temperatures of Ni and Co thin films and coupled trilayers. Physical Review B, 1998, 58, 5701-5706.	1.1	101
23	Structure of ultrathin Ni/Cu(001) films as a function of film thickness, temperature, and magnetic order. Physical Review B, 1999, 59, 12641-12646.	1.1	99
24	Anomalous reorientation phase transition of the magnetization in fct Ni/Cu(001). Physical Review B, 1997, 56, 5100-5103.	1.1	94
25	Magnetically directed self-assembly of submicron spheres with a Fe3O4 nanoparticle shell. Journal of Magnetism and Magnetic Materials, 2002, 240, 44-46.	1.0	93
26	Atomically Layered and Ordered Rare-Earth i-MAX Phases: A New Class of Magnetic Quaternary Compounds. Chemistry of Materials, 2019, 31, 2476-2485.	3.2	89
27	Orbital Magnetism and Magnetic Anisotropy Probed with Ferromagnetic Resonance. Physical Review Letters, 1999, 82, 2390-2393.	2.9	87
28	Hysteresis effects in the inverse magnetocaloric effect in martensitic Ni-Mn-In and Ni-Mn-Sn. Journal of Applied Physics, 2012, 112, .	1.1	85
29	Nanostructuring of the Cu(001) surface by ion bombardment: a STM study. Surface Science, 1996, 348, 243-252.	0.8	82
30	Extended investigation of intermartensitic transitions in Ni-Mn-Ga magnetic shape memory alloys: A detailed phase diagram determination. Journal of Applied Physics, 2013, 114, .	1.1	82
31	HTK-solution (Bretschneider) for human liver transplantation. Langenbecks Archiv Fur Chirurgie, 1990, 375, 66-70.	0.2	80
32	Pseudomorphic growth of Ni films on Cu(001): a quantitative LEED analysis. Surface Science, 1996, 364, 235-241.	0.8	79
33	Magnetic anisotropy and its temperature dependence in iron-rich Fe x Pt 1 â^' x nanoparticles. Europhysics Letters, 2005, 70, 250-256.	0.7	79
34	Controlling the conductivity of Ti₃C₂MXenes by inductively coupled oxygen and hydrogen plasma treatment and humidity. RSC Advances, 2017, 7, 13097-13103.	1.7	79
35	Hysteresis Design of Magnetocaloric Materialsâ€"From Basic Mechanisms to Applications. Energy Technology, 2018, 6, 1397-1428.	1.8	79
36	High-Resolution X-Ray Lensless Imaging by Differential Holographic Encoding. Physical Review Letters, 2010, 105, 043901.	2.9	77

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37	Magnetite-Gold nanohybrids as ideal all-in-one platforms for theranostics. Scientific Reports, 2018, 8, 11295.	1.6	77
38	FePt Icosahedra with Magnetic Cores and Catalytic Shells. Journal of Physical Chemistry C, 2009, 113, 4395-4400.	1.5	74
39	Room-Temperature Ferromagnetism in Antiferromagnetic Cobalt Oxide Nanooctahedra. Nano Letters, 2014, 14, 640-647.	4.5	74
40	Shape Control in Iron Oxide Nanocrystal Synthesis, Induced by Trioctylammonium Ions. Chemistry of Materials, 2009, 21, 1326-1332.	3.2	73
41	Two Susceptibility Maxima and Element Specific Magnetizations in Indirectly Coupled Ferromagnetic Layers. Physical Review Letters, 1998, 81, 2368-2371.	2.9	72
42	Ac susceptibility measurements of magnetic monolayers: MCXD, MOKE, and mutual inductance. Journal of Magnetism and Magnetic Materials, 1995, 146, 256-266.	1.0	71
43	Silver, gold, and alloyed silverâ€“gold nanoparticles: characterization and comparative cell-biologic action. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	69
44	Critical behavior of strained epitaxial Gd films:In situac-susceptibility measurements in UHV. Physical Review B, 1992, 45, 503-506.	1.1	68
45	One-dimensional assemblies of silica-coated cobalt nanoparticles: Magnetic pearl necklaces. Journal of Magnetism and Magnetic Materials, 2006, 303, 163-166.	1.0	68
46	Dynamical Effects of the Martensitic Transition in Magnetocaloric Heusler Alloys from Direct<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î”</mml:mi><mml:msub><mml:mi>T</mml:mi><mml:mi>ad</mml:mi></mml:msub></mml:math>Measurements under Different Magnetic-Field-Sweep Rates. Physical Review Applied, 2016, 5, .	1.5	68
47	A guideline for atomistic design and understanding of ultrahard nanomagnets. Nature Communications, 2011, 2, 528.	5.8	67
48	A Closer Look Into Magnetism: Opportunities With Synchrotron Radiation. IEEE Transactions on Magnetics, 2009, 45, 15-57.	1.2	66
49	Tuning magnetic relaxation by oblique deposition. Physical Review B, 2012, 85, .	1.1	66
50	Magnetic anisotropy of Gd(0001)/W(110) monolayers. Physical Review B, 1989, 39, 4838-4841.	1.1	65
51	Magneticâ^'Noble Metal Nanocomposites with Morphology-Dependent Optical Response. Chemistry of Materials, 2007, 19, 4415-4422.	3.2	65
52	Element-Specific Magnetic Hysteresis of Individual 18 nm Fe Nanocubes. Nano Letters, 2011, 11, 1710-1715.	4.5	64
53	Intermartensitic transitions and phase stability in Ni50Mn50â^'Sn Heusler alloys. Acta Materialia, 2015, 99, 140-149.	3.8	64
54	Enhancement of magnetization damping coefficient of permalloy thin films with dilute Nd dopants. Physical Review B, 2014, 89, .	1.1	63

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55	Ratio of orbital-to-spin magnetic moment in Co core-shell nanoparticles. Physical Review B, 2003, 68, .	1.1	62
56	Ferromagnetic resonance of monodisperse Co particles. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 1773-1776.	0.9	59
57	Tunable emission properties by ferromagnetic coupling Mn(II) aggregates in Mn-doped CdS microbelts/nanowires. Nanotechnology, 2014, 25, 385201.	1.3	57
58	Magnetic Properties of Ni/NiO Nanowires Deposited onto CNT/Pt Nanocomposites. Advanced Functional Materials, 2008, 18, 616-621.	7.8	56
59	Critical spin fluctuations and Curie temperatures of ultrathin Ni(111)/W(110): A magnetic-resonance study in ultrahigh vacuum. Physical Review B, 1990, 41, 9596-9599.	1.1	55
60	Curie temperature and morphology in ultrathin Co/W(110) films. Physical Review B, 1997, 55, 330-335.	1.1	55
61	Higher-order contribution and temperature dependence of the magnetic anisotropy in ultrathin films (invited). Journal of Applied Physics, 1997, 81, 5038-5043.	1.1	54
62	Rapid and Surfactant-Free Synthesis of Bimetallic Ptâ€“Cu Nanoparticles Simply via Ultrasound-Assisted Redox Replacement. ACS Catalysis, 2012, 2, 1647-1653.	5.5	54
63	Oscillations of the Curie temperature and interlayer exchange coupling in magnetic trilayers. Physical Review B, 1999, 59, R3938-R3940.	1.1	53
64	Pt-Catalyzed Growth of Ni Nanoparticles in Aqueous CTAB Solution. Chemistry of Materials, 2008, 20, 5399-5405.	3.2	52
65	Magnetic anisotropy and exchange coupling in FenVm(0 0 1) superlattices on MgO(0 0 1). Journal of Magnetism and Magnetic Materials, 1997, 170, 57-66.	1.0	51
66	Synthesis and Characterization of Large Colloidal Cobalt Particles. Langmuir, 2006, 22, 1455-1458.	1.6	51
67	Beyond Solid Solution Highâ€Entropy Alloys: Tailoring Magnetic Properties via Spinodal Decomposition. Advanced Functional Materials, 2021, 31, 2007668.	7.8	51
68	Magnetic anisotropy energy and the anisotropy of the orbital moment of Ni in Ni/Pt multilayers. Physical Review B, 2000, 61, 8647-8650.	1.1	49
69	Changes of magnetic anisotropy due to roughness: a quantitative scanning tunneling microscopy study on Ni/Cu(001). Surface Science, 1999, 437, 277-284.	0.8	48
70	Magnetic properties of arrays of interacting Co nanocrystals. Journal of Magnetism and Magnetic Materials, 2002, 240, 40-43.	1.0	48
71	Composition-dependent ratio of orbital-to-spin magnetic moment in structurally disorderedFexPt1â^'xnanoparticles. Physical Review B, 2004, 69, .	1.1	48
72	Enhanced induced magnetization in coupled magnetic trilayers in the presence of spin fluctuations. Physical Review B, 1999, 60, R14994-R14997.	1.1	47

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73	Single-Crystalline Co Nanowires: Synthesis, Thermal Stability, and Carbon Coating. Chemistry of Materials, 2009, 21, 3987-3995.	3.2	47
74	Visualization of spin dynamics in single nanosized magnetic elements. Nanotechnology, 2011, 22, 295713.	1.3	47
75	Single-Step Synthesis of Monolithic Comb-like CdS Nanostructures with Tunable Waveguide Properties. Nano Letters, 2013, 13, 2997-3001.	4.5	47
76	Spin-reorientation transition in ultrathin Tb/Co films. Physical Review B, 1996, 53, 1083-1086.	1.1	46
77	Structural stability of icosahedral FePt nanoparticles. Nanoscale, 2009, 1, 276.	2.8	46
78	Frequency dependence of spin relaxation in periodic systems. Physical Review B, 2011, 84, .	1.1	46
79	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
80	Temperature dependence of surface and volume anisotropy in. Surface Science, 1995, 326, 275-284.	0.8	45
81	Spiral-like continuous spin-reorientation transition of Fe/Ni bilayers on Cu(100). Physical Review B, 2004, 69, .	1.1	45
82	Stearateâ€Based Cu Colloids in Methanol Synthesis: Structural Changes Driven by Strong Metalâ€“Support Interactions. ChemCatChem, 2010, 2, 214-222.	1.8	44
83	Shell-ferromagnetism of nano-Heuslers generated by segregation under magnetic field. Scientific Reports, 2016, 6, 28931.	1.6	44
84	Sudden jump of the Curie temperature at the coalescence of Co islands on Cu(001). Journal of Magnetism and Magnetic Materials, 1999, 192, L386-L390.	1.0	43
85	Magnetism and structure of chemically disorderedFePt3nanocubes. Physical Review B, 2007, 75, .	1.1	43
86	Magnetic Anisotropy in the (Cr_{0.5}Mn_{0.5})₂GaC MAX Phase. Materials Research Letters, 2015, 3, 156-160.	4.1	43
87	Shell-ferromagnetic precipitation in martensitic off-stoichiometric Ni-Mn-In Heusler alloys produced by temper-annealing under magnetic field. Acta Materialia, 2017, 127, 117-123.	3.8	43
88	Large uniaxial magnetostriction with sign inversion at the first order phase transition in the nanolaminated Mn2GaC MAX phase. Scientific Reports, 2018, 8, 2637.	1.6	42
89	Magnetic moment of Fe in oxide-free FePt nanoparticles. Physical Review B, 2007, 76, .	1.1	41
90	Splenic red pulp macrophages are intrinsically superparamagnetic and contaminate magnetic cell isolates. Scientific Reports, 2015, 5, 12940.	1.6	41

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91	Correlation between structure and magnetic properties in Co_xFe_{100â^'x}nanowires: the roles of composition and wire diameter. Journal Physics D: Applied Physics, 2015, 48, 145304.	1.3	41
92	Magnetic anisotropy of Fe/GaAs(001) ultrathin films investigated by in situ ferromagnetic resonance. Journal of Magnetism and Magnetic Materials, 2006, 299, L1-L10.	1.0	40
93	Exchange bias caused by field-induced spin reconfiguration in Ni-Mn-Sn. Physical Review B, 2016, 93, .	1.1	40
94	Magnetization of thin Gd films on W(110) near the Curie temperature. Journal of Applied Physics, 1994, 75, 5604-5606.	1.1	39
95	Evidence for domain formation near the Curie temperature in ultrathin Ni/Cu (001) filmswith perpendicular anisotropy. Physical Review B, 1997, 55, R11961-R11964.	1.1	39
96	The temperature dependence of magnetic anisotropy in ultra-thin films. Journal of Magnetism and Magnetic Materials, 1997, 165, 74-77.	1.0	39
97	From Colloidal Co/CoO Core/Shell Nanoparticles to Arrays of Metallic Nanomagnets: Surface Modification and Magnetic Properties. ChemPhysChem, 2005, 6, 2522-2526.	1.0	39
98	Magnetocaloric effect in (La1â^'Sm)0.67Pb0.33MnO3 (0Ââ‰ÂxÂâ‰Â0.3) manganites near room temperature. Journal of Alloys and Compounds, 2015, 650, 285-294.	2.8	39
99	An effective non-enzymatic biosensor platform based on copper nanoparticles decorated by sputtering on CVD graphene. Sensors and Actuators B: Chemical, 2018, 273, 1501-1507.	4.0	39
100	ESR of adsorbates on single crystal metal surfaces under UHV conditions. Surface Science, 1985, 160, 205-216.	0.8	37
101	Hollow and Yolkâ€Shell Iron Oxide Nanostructures on Fewâ€Layer Graphene in Liâ€Ion Batteries. Chemistry - A European Journal, 2014, 20, 2022-2030.	1.7	37
102	Manipulation of Chemically Synthesized FePt Nanoparticles in Water: Core-Shell Silica/FePt Nanocomposites. Small, 2005, 1, 1073-1076.	5.2	36
103	Magnetic properties of epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Fe</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">Si</mml:mi><mml:mo>â^•</mml:mo><mml:mi mathvariant="normal">Mg</mml:mi><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>001</mml:mn><mml:mo>)</mml:mo></mml:mrow>	1.1	36
104	Formation Mechanism of Laser-Synthesized Iron-Manganese Alloy Nanoparticles, Manganese Oxide Nanosheets and Nanofibers. Particle and Particle Systems Characterization, 2017, 34, 1600225.	1.2	36
105	Structural, magnetic and electrical transport properties of non-conventionally prepared MAX phases V₂AlC and (V/Mn)₂AlC. Materials Chemistry Frontiers, 2018, 2, 483-490.	3.2	36
106	Atomic exchange processes at the interface and their role on the magnetic moments of ultrathin Ni/Cu(001) films. Physical Review B, 2000, 62, 10431-10435.	1.1	35
107	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
108	MAGNETISM AT THE NANOSCALE: THE CASE OF FePt. Modern Physics Letters B, 2007, 21, 1111-1131.	1.0	34

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109	Splitting of spin-wave modes in thin films with arrays of periodic perturbations: theory and experiment. New Journal of Physics, 2014, 16, 023015.	1.2	34
110	Hard-axis magnetization of ultrathin Ni(111) films on W(110): An experimental method to measure the magneto-optic Kerr effect in ultrahigh vacuum. Physical Review B, 1990, 42, 4873-4876.	1.1	33
111	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
112	Magnetic Skyrmion Formation at Lattice Defects and Grain Boundaries Studied by Quantitative Off-Axis Electron Holography. Nano Letters, 2017, 17, 1395-1401.	4.5	33
113	Absolute determination of Co magnetic moments: Ultrahigh-vacuum high-TcSQUID magnetometry. Physical Review B, 2000, 62, 11336-11339.	1.1	32
114	Magnetic characterization of iron nanocubes. Journal of Applied Physics, 2008, 104, .	1.1	32
115	Inhomogeneous alloying in FePt nanoparticles as a reason for reduced magnetic moments. Journal of Physics Condensed Matter, 2009, 21, 336002.	0.7	32
116	Magnetic hardening of Fe₃₀Co₇₀nanowires. Nanotechnology, 2015, 26, 415704.	1.3	32
117	Size-selected Fe3O4â€“Au hybrid nanoparticles for improved magnetism-based theranostics. Beilstein Journal of Nanotechnology, 2018, 9, 2684-2699.	1.5	32
118	Detailed analysis of theinsitumagnetoâ€optic Kerr signal of gadolinium films near the Curie temperature. Applied Physics Letters, 1993, 62, 2728-2730.	1.5	31
119	Temperature dependence of exchange anisotropy in monodisperse cobalt nanoparticles with a cobalt oxide shell. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1508-1509.	1.0	31
120	Spin-wave modes in permalloy/platinum wires and tuning of the mode damping by spin Hall current. Physical Review B, 2014, 90, .	1.1	31
121	Temperature dependence of perpendicular magnetic anisotropy in CoFeB thin films. Applied Physics Letters, 2016, 108, .	1.5	31
122	Magnetic properties of nanolaminated (Mo0.5Mn0.5)2GaC MAX phase. Journal of Applied Physics, 2017, 121, .	1.1	31
123	Total oxygen consumption, ketone body ratio and a special score as early indicators of irreversible liver allograft dysfunction. Transplantation Proceedings, 1989, 21, 2279-81.	0.3	31
124	Magnetic anisotropy of Co/Cu(111) ultrathin films. Surface Science, 1999, 439, 146-152.	0.8	30
125	Electron spin resonance and microwave magnetoresistance in Ge:Mn thin films. Physical Review B, 2008, 78, .	1.1	30
126	Angular dependent ferromagnetic resonance analysis in a single micron sized cobalt stripe. Journal of Applied Physics, 2014, 116, .	1.1	30

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127	Model-independent measurement of the charge density distribution along an Fe atom probe needle using off-axis electron holography without mean inner potential effects. Journal of Applied Physics, 2015, 117, .	1.1	30
128	Tuning the magnetism of ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 415, 20-23.	1.0	30
129	The reversibility of the inverse magnetocaloric effect in Mn2â^'Cr Sb0.95Ga0.05. Acta Materialia, 2017, 124, 93-99.	3.8	30
130	Biologically encoded magnonics. Nature Communications, 2019, 10, 4345.	5.8	30
131	Magnetocrystalline anisotropy and Gilbert damping in iron-rich Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mathSi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>thin films. Physical Review B, 2011, 84, .	3.8	29
132	Structural evolution and magnetic properties of high-entropy CuCrFeTiNi alloys prepared by high-energy ball milling and spark plasma sintering. Journal of Alloys and Compounds, 2020, 816, 152611.	2.8	29
133	Dipolar-stabilized first and second-order antiskyrmions in ferrimagnetic multilayers. Nature Communications, 2021, 12, 2611.	5.8	29
134	The ferromagnetic order and the critical exponentÎ³ of Gd monolayers and thin films on W(110). Applied Physics A: Materials Science and Processing, 1987, 44, 13-18.	1.1	28
135	Effect of an oxidic overlayer on the magnetism of Co nanoparticles. Phase Transitions, 2005, 78, 85-104.	0.6	28
136	Thin film synthesis and characterization of a chemically ordered magnetic nanolaminate (V,Mn)3GaC2. APL Materials, 2016, 4, .	2.2	28
137	Unusual nature of confined modes in a chiral system: Directional transport in standing waves. Physical Review B, 2019, 99, .	1.1	27
138	The temperature-dependent in- and out-of-plane magnetic anisotropies in superlattices. Journal of Physics Condensed Matter, 1997, 9, 10581-10593.	0.7	26
139	Interfacial Cu/ZnO contact by selective photodeposition of copper onto the surface of small ZnO nanoparticles in non-aqueous colloidal solution. Physical Chemistry Chemical Physics, 2010, 12, 9858.	1.3	26
140	Field-dependent perpendicular magnetic anisotropy in CoFeB thin films. Applied Physics Letters, 2014, 105, .	1.5	26
141	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
142	Thermally induced substitutional reaction of Fe into Mo₂GaC thin films. Materials Research Letters, 2017, 5, 533-539.	4.1	26
143	Controlling the kinetic order of spin-reorientation transitions inNiâ^•Cu(100)films by tuning the substrate step structure. Physical Review B, 2007, 75, .	1.1	25
144	Structure, morphology, and aging of Agâ€“Fe dumbbell nanoparticles. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2437-2442.	0.8	25

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145	The structural, magnetic, and magnetocaloric properties of In-doped Mn2â”‹x‹/i›Cr‹i›x‹/i›Sb. Journal of Applied Physics, 2015, 118, .	1.1	25
146	Magnetic properties and structural characterization of layered (Cr0.5Mn0.5)2AuC synthesized by thermally induced substitutional reaction in (Cr0.5Mn0.5)2GaC. APL Materials, 2018, 6, .	2.2	25
147	Nutation resonance in ferromagnets. Physical Review B, 2020, 102, .	1.1	25
148	In situdetection of two ferromagnetic resonance modes in coupled Ni/Cu/Co/Cu(001) trilayer structures. Physical Review B, 2001, 63, .	1.1	24
149	Self-assembly and magnetism in core-shell microspheres. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1515-1518.	0.9	24
150	Neutron diffraction study of the magnetic-field-induced transition in Mn‹sub›3‹/sub›GaC. Journal of Applied Physics, 2014, 115, 043913.	1.1	24
151	Dependence of the inverse magnetocaloric effect on the field-change rate in Mn3GaC and its relationship to the kinetics of the phase transition. Journal of Applied Physics, 2015, 117, 233902.	1.1	24
152	Shaping iron oxide nanocrystals for magnetic separation applications. Nanoscale, 2018, 10, 20462-20467.	2.8	24
153	Spin Dynamics in the Time and Frequency Domain. Springer Tracts in Modern Physics, 2013, , 37-83.	0.1	23
154	Magnetic and structural modifications in Fe and Ni films prepared by ionâ€assisted deposition. Journal of Applied Physics, 1994, 75, 5644-5646.	1.1	22
155	What happens at the temperature-dependent magnetic order-disorder transition in Fe/Cu(001)?. Europhysics Letters, 1998, 43, 713-718.	0.7	22
156	Power-law behavior of the temperature dependence of magnetic anisotropy of uncapped ultrathin Fe Films on GaAs(001). Physical Review B, 2006, 73, .	1.1	22
157	Enhancement of L10phase formation in FePt nanoparticles by nitrogenization. Journal Physics D: Applied Physics, 2006, 39, 4741-4745.	1.3	22
158	Ferromagnetic resonance in Ni-Mn based ferromagnetic Heusler alloys. Journal of Physics: Conference Series, 2010, 200, 092001.	0.3	22
159	Preparation and properties of nanostructured magnetic hollow microspheres: experiment and simulation. Phase Transitions, 2005, 78, 741-750.	0.6	21
160	Planar-defect characteristics and cross-sections of ã€ˆ001ã€‰, ã€ˆ111ã€‰, and ã€ˆ112ã€‰ InAs nanowires. Journal of Applied Physics, 2011, 109, 114320.	1.1	21
161	Structure-Correlated Exchange Anisotropy in Oxidized Co‹sub›80‹/sub›Ni‹sub›20‹/sub› Nanorods. Chemistry of Materials, 2015, 27, 4015-4022.	3.2	21
162	Electrostatic doping as a source for robust ferromagnetism at the interface between antiferromagnetic cobalt oxides. Scientific Reports, 2015, 5, 7997.	1.6	21

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163	Magnetic proximity effect and shell-ferromagnetism in metastable Ni50Mn45Ga5. Journal of Applied Physics, 2016, 120, .	1.1	21
164	The Curie temperature in ultrathin Ni/Cu(001) films determined by ac susceptibility and MOKE. Surface Science, 1998, 402-404, 396-400.	0.8	20
165	Magnetization and susceptibility of coupled ferromagnetic trilayers calculated with a Greenâ€™s function type theory. Journal of Applied Physics, 2000, 87, 6692-6694.	1.1	20
166	Chemically ordered decahedral FePt nanocrystals observed by electron microscopy. Physical Review B, 2014, 89, .	1.1	20
167	Dynamics of nonergodic ferromagnetic/antiferromagnetic ordering and magnetocalorics in antiperovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mn>3</mml:mn> Physical Review B, 2017, 96, .	1.1	20
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