

# Eric E Fullerton

## List of Publications by Year in descending order

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364  
papers

21,637  
citations

10373

72  
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11601

135  
g-index

372  
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372  
docs citations

372  
times ranked

14399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystalline Orientation-Dependent Spin Hall Effect in Epitaxial Platinum. <i>Frontiers in Physics</i> , 2022, 9, .	1.0	4
2	Noninvasive measurements of spin transport properties of an antiferromagnetic insulator. <i>Science Advances</i> , 2022, 8, eabg8562.	4.7	15
3	Controlling the Metamagnetic Phase Transition in FeRh/MnRh Superlattices and Thin-Film Fe <sub>50-x</sub> Mn <sub>x</sub> Rh <sub>50</sub> Alloys. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 3568-3579.	4.0	0
4	Micro-structuration effects on local magneto-transport in [Co/Pd]IrMn thin films. <i>AIP Advances</i> , 2022, 12, 035327.	0.6	0
5	Discretized evolution of solitons in the achiral stripe phase of a Fe/Gd thin film. <i>Physical Review B</i> , 2022, 105, .	1.1	1
6	Quantum Sensing and Imaging of Spin-Orbit-Torque-Driven Spin Dynamics in the Non-Collinear Antiferromagnet Mn <sub>3</sub> Sn. <i>Advanced Materials</i> , 2022, 34, e2200327.	11.1	28
7	Nonequilibrium sub-10 nm spin-wave soliton formation in FePt nanoparticles. <i>Science Advances</i> , 2022, 8, eabn0523.	4.7	10
8	X-ray nanodiffraction imaging reveals distinct nanoscopic dynamics of an ultrafast phase transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2118597119.	3.3	3
9	Phonon-assisted formation of an itinerant electronic density wave. <i>Communications Physics</i> , 2022, 5, .	2.0	0
10	Ultrafast kinetics of the antiferromagnetic-ferromagnetic phase transition in FeRh. <i>Nature Communications</i> , 2022, 13, .	5.8	22
11	Thermal stability and magnetization switching of composite free layer with perpendicular magnetic anisotropy. <i>AIP Advances</i> , 2021, 11, .	0.6	1
12	Femtosecond control of phonon dynamics near a magnetic order critical point. <i>Nature Communications</i> , 2021, 12, 2865.	5.8	5
13	Element-Specific Magnetization Dynamics in Co-Pt Alloys Induced by Strong Optical Excitation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11714-11721.	1.5	7
14	Graded magnetic materials. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 303002.	1.3	23
15	Anisotropic ultrafast spin dynamics in epitaxial cobalt. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	9
16	Large spin-to-charge conversion in ultrathin gold-silicon multilayers. <i>Physical Review Materials</i> , 2021, 5, .	0.9	2
17	Chiral spin textures in Fe/Gd based multilayer thin films. <i>Microscopy and Microanalysis</i> , 2021, 27, 2404-2407.	0.2	2
18	Dynamic Symmetry Breaking in Chiral Magnetic Systems. <i>Advanced Materials</i> , 2021, 33, e2101524.	11.1	6

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19	Spontaneous fluctuations in a magnetic Fe/Gd skyrmion lattice. <i>Physical Review Research</i> , 2021, 3, .	1.3	9
20	Ion beam etching dependence of spin-orbit torque memory devices with switching current densities reduced by Hf interlayers. <i>APL Materials</i> , 2021, 9, .	2.2	9
21	Optical transient grating pumped X-ray diffraction microscopy for studying mesoscale structural dynamics. <i>Scientific Reports</i> , 2021, 11, 19322.	1.6	3
22	Optically Induced Phase Change for Magnetoresistance Modulation. <i>Advanced Quantum Technologies</i> , 2020, 3, 1900104.	1.8	34
23	Current-driven transverse domain wall oscillations in perpendicular spin-valve structures. <i>Physical Review B</i> , 2020, 102, .	1.1	3
24	Current-induced generation of skyrmions in Pt/Co/Os/Pt thin films. <i>Physical Review B</i> , 2020, 102, .	1.1	6
25	Reversible Switching of Interlayer Exchange Coupling through Atomically Thin VO <sub>2</sub> via Electronic State Modulation. <i>Matter</i> , 2020, 2, 1582-1593.	5.0	202
26	Helicity-Preserving Metasurfaces for Magneto-Optical Enhancement in Ferromagnetic [Pt/Co] <sub>N</sub> Films. <i>Advanced Optical Materials</i> , 2020, 8, 2001420.	3.6	21
27	Nanoscale Mapping of Heterogeneous Strain and Defects in Individual Magnetic Nanocrystals. <i>Crystals</i> , 2020, 10, 658.	1.0	5
28	Nano-Ceramic Cathodes via Co-sputtering of Gd-Ce Alloy and Lanthanum Strontium Cobaltite for Low-Temperature Thin-Film Solid Oxide Fuel Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 8135-8142.	2.5	27
29	Electrical control of coherent spin rotation of a single-spin qubit. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	19
30	Femtosecond photocurrents at the FeRh/Pt interface. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	13
31	Skyrmion fluctuations at a first-order phase transition boundary. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	12
32	All-Sputtered, Superior Power Density Thin-Film Solid Oxide Fuel Cells with a Novel Nanofibrous Ceramic Cathode. <i>Nano Letters</i> , 2020, 20, 2943-2949.	4.5	53
33	Direct Demonstration of Topological Stability of Magnetic Skyrmions via Topology Manipulation. <i>ACS Nano</i> , 2020, 14, 3251-3258.	7.3	57
34	Direct time-domain determination of electron-phonon coupling strengths in chromium. <i>Physical Review B</i> , 2020, 102, .	1.1	4
35	Differential Charging in Photoemission from Mercurated DNA Monolayers on Ferromagnetic Films. <i>Nano Letters</i> , 2020, 20, 1218-1225.	4.5	15
36	Energy-efficient generation of skyrmion phases in Co/Ni/Pt-based multilayers using Joule heating. <i>Physical Review Materials</i> , 2020, 4, .	0.9	8

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37	Large anisotropic magnetocaloric effect in all-sputtered epitaxial terbium thin films. <i>Physical Review Materials</i> , 2020, 4, .	0.9	2
38	Room temperature giant magnetostriction in single-crystal nickel nanowires. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	23
39	Scaling of domain cascades in stripe and skyrmion phases. <i>Nature Communications</i> , 2019, 10, 1988.	5.8	9
40	Micromagnetic simulation of THz signals in antiferromagnetic FeRh by sub-picosecond thermal pulses. <i>AIP Advances</i> , 2019, 9, 035040.	0.6	4
41	Spin-Dependent Ionization of Chiral Molecular Films. <i>Journal of the American Chemical Society</i> , 2019, 141, 3863-3874.	6.6	50
42	THz emission from Co/Pt bilayers with varied roughness, crystal structure, and interface intermixing. <i>Physical Review Materials</i> , 2019, 3, .	0.9	37
43	Realization of ordered magnetic skyrmions in thin films at ambient conditions. <i>Physical Review Materials</i> , 2019, 3, .	0.9	30
44	Helicity-dependent all-optical domain wall motion in ferromagnetic thin films. <i>Physical Review B</i> , 2018, 97, .	1.1	53
45	Nanostructuring Multilayer Hyperbolic Metamaterials for Ultrafast and Bright Green InGaN Quantum Wells. <i>Advanced Materials</i> , 2018, 30, e1706411.	11.1	49
46	Suppression of all-optical switching in He <sup>+</sup> -irradiated Co/Pt multilayers: influence of the domain-wall energy. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 215004.	1.3	6
47	A Wearable Colorimetric Dosimeter to Monitor Sunlight Exposure. <i>Advanced Materials Technologies</i> , 2018, 3, 1800037.	3.0	21
48	Resonant x-ray magnetic scattering study of domain morphology in FeGd thin film. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
49	Phase Coexistence and Kinetic Arrest in the Magnetostructural Transition of the Ordered Alloy FeRh. <i>Scientific Reports</i> , 2018, 8, 1778.	1.6	25
50	Beyond a phenomenological description of magnetostriction. <i>Nature Communications</i> , 2018, 9, 388.	5.8	48
51	Magnetization reversal and confinement effects across the metamagnetic phase transition in mesoscale FeRh structures. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 105001.	1.3	19
52	Spin transfer torque magnetization reversal in a hard/soft composite structures. <i>AIP Advances</i> , 2018, 8, 015024.	0.6	0
53	Spin-orbit torque induced dipole skyrmion motion at room temperature. <i>Physical Review B</i> , 2018, 98, .	1.1	29
54	Optimization of Nanopatterned Multilayer Hyperbolic Metamaterials for Spontaneous Light Emission Enhancement. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800263.	0.8	6

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55	Single-Shot Multi-Level All-Optical Magnetization Switching Mediated by Spin Transport. <i>Advanced Materials</i> , 2018, 30, e1804004.	11.1	69
56	Experimental Demonstration of Hyperbolic Metamaterial Assisted Illumination Nanoscopy. <i>ACS Nano</i> , 2018, 12, 11316-11322.	7.3	20
57	Orbital Domain Dynamics in Magnetite below the Verwey Transition. <i>Physical Review Letters</i> , 2018, 121, 177601.	2.9	19
58	Bragg coherent diffractive imaging of ferromagnetic nickel nanoparticles. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	6
59	Laser induced phase transition in epitaxial FeRh layers studied by pump-probe valence band photoemission. <i>Structural Dynamics</i> , 2018, 5, 034501.	0.9	17
60	Microstructure and magneto-optical surface plasmon resonance of Co/Au multilayers. <i>Journal of Physics Communications</i> , 2018, 2, 055010.	0.5	22
61	Room-temperature observation and current control of skyrmions in Pt/Co/Os/Pt thin films. <i>Physical Review Materials</i> , 2018, 2, .	0.9	43
62	Periodic chiral magnetic domains in single-crystal nickel nanowires. <i>Physical Review Materials</i> , 2018, 2, .	0.9	7
63	Luminescent hyperbolic metasurfaces. <i>Nature Communications</i> , 2017, 8, 13793.	5.8	63
64	Synthesis of second-order nonlinearities in dielectric-semiconductor-dielectric metamaterials. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	4
65	Streamlined approach to mapping the magnetic induction of skyrmionic materials. <i>Ultramicroscopy</i> , 2017, 177, 78-83.	0.8	14
66	Determination of domain wall chirality using <i>in situ</i> Lorentz transmission electron microscopy. <i>AIP Advances</i> , 2017, 7, .	0.6	8
67	Tailoring magnetic energies to form dipole skyrmions and skyrmion lattices. <i>Physical Review B</i> , 2017, 95, .	1.1	160
68	Magnetic Switching in Granular FePt Layers Promoted by Near-Field Laser Enhancement. <i>Nano Letters</i> , 2017, 17, 2426-2432.	4.5	22
69	Manipulating exchange bias using all-optical helicity-dependent switching. <i>Physical Review B</i> , 2017, 96, .	1.1	19
70	Pair distribution function analysis applied to decahedral gold nanoparticles. <i>Physica Scripta</i> , 2017, 92, 114002.	1.2	4
71	The 2017 Magnetism Roadmap. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 363001.	1.3	279
72	Electronic Metamaterials with Tunable Second-order Optical Nonlinearities. <i>Scientific Reports</i> , 2017, 7, 9983.	1.6	8

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73	Perpendicular magnetic anisotropy and microstructure properties of nanoscale Co/Au multilayers. Journal Physics D: Applied Physics, 2017, 50, 355002.	1.3	21
74	Nanosecond X-Ray Photon Correlation Spectroscopy on Magnetic Skyrmions. Physical Review Letters, 2017, 119, 067403.	2.9	51
75	3D Bragg coherent diffractive imaging of five-fold multiply twinned gold nanoparticle. Nanoscale, 2017, 9, 13153-13158.	2.8	12
76	Multiscale dynamics of helicity-dependent all-optical magnetization reversal in ferromagnetic Co/Pt multilayers. Physical Review B, 2017, 96, .	1.1	61
77	Increased magnetic damping in ultrathin films of Co <sub>2</sub> FeAl with perpendicular anisotropy. Applied Physics Letters, 2017, 110, .	1.5	20
78	Resonant properties of dipole skyrmions in amorphous Fe/Gd multilayers. Physical Review B, 2017, 95, .	1.1	44
79	Analyzing Spin Selectivity in DNA-Mediated Charge Transfer via Fluorescence Microscopy. ACS Nano, 2017, 11, 7516-7526.	7.3	82
80	Interface-induced phenomena in magnetism. Reviews of Modern Physics, 2017, 89, .	16.4	672
81	Characterization of strain and its effects on ferromagnetic nickel nanocubes. AIP Advances, 2017, 7, 125025.	0.6	12
82	Current-Induced Pinwheel Oscillations in Perpendicular Magnetic Anisotropy Spin Valve Nanopillars. IEEE Transactions on Magnetism, 2016, 52, 1-5.	1.2	7
83	Spintronics, Magnetoresistive Heads, and the Emergence of the Digital World. Proceedings of the IEEE, 2016, 104, 1787-1795.	16.4	62
84	Fabrication and characterization of InGaAsP/Ag luminescent hyperbolic metamaterials. , 2016, , .		0
85	Stable room-temperature ferromagnetic phase at the FeRh(100) surface. Scientific Reports, 2016, 6, 22383.	1.6	36
86	Electrical characterization of all-optical helicity-dependent switching in ferromagnetic Hall crosses. Applied Physics Letters, 2016, 108, .	1.5	52
87	Large exchange-dominated domain wall velocities in antiferromagnetically coupled nanowires. AIP Advances, 2016, 6, .	0.6	10
88	Synthesizing skyrmion bound pairs in Fe-Gd thin films. Applied Physics Letters, 2016, 109, .	1.5	67
89	Synthesis of single-crystalline anisotropic gold nano-crystals via chemical vapor deposition. Journal of Applied Physics, 2016, 119, 174301.	1.1	16
90	All-optical switching in granular ferromagnets caused by magnetic circular dichroism. Scientific Reports, 2016, 6, 30522.	1.6	59

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91	Observation of x-ray radiation pressure effects on nanocrystals. Journal of Applied Physics, 2016, 120, 163102.	1.1	30
92	Torque magnetometry of perpendicular anisotropy exchange-spring heterostructures. Journal of Applied Physics, 2016, 120, 013903.	1.1	1
93	Photospintronics: Magnetic Field-Controlled Photoemission and Light-Controlled Spin Transport in Hybrid Chiral Oligopeptide-Nanoparticle Structures. Nano Letters, 2016, 16, 2806-2811.	4.5	52
94	Domain size criterion for the observation of all-optical helicity-dependent switching in magnetic thin films. Physical Review B, 2016, 94, .	1.1	66
95	Universal domain wall dynamics under electric field in Ta/CoFeB/MgO devices with perpendicular anisotropy. Nature Communications, 2016, 7, 13532.	5.8	37
96	Photoinduced Enhancement of the Charge Density Wave Amplitude. Physical Review Letters, 2016, 117, 056401.	2.9	44
97	Accumulative Magnetic Switching of Ultrahigh-Density Recording Media by Circularly Polarized Light. Physical Review Applied, 2016, 6, .	1.5	61
98	Phase coexistence and pinning of charge density waves by interfaces in chromium. Physical Review B, 2016, 94, .	1.1	5
99	Shaping nanoscale magnetic domain memory in exchange-coupled ferromagnets by field cooling. Nature Communications, 2016, 7, 11648.	5.8	19
100	Colossal magnetic phase transition asymmetry in mesoscale FeRh stripes. Nature Communications, 2016, 7, 13113.	5.8	56
101	Demonstration of a Highly Tunable Hybrid nMOS-Magnetic-Tunnel-Junction Ring Oscillator. IEEE Transactions on Electron Devices, 2016, 63, 1768-1773.	1.6	0
102	Generation of Bright Soft X-ray Harmonics with Circular Polarization for X-ray Magnetic Circular Dichroism. , 2016, , .		0
103	Bright Soft X-ray High Harmonic Generation with Circular Polarization for X-ray Magnetic Circular Dichroism. , 2016, , .		0
104	Condensation of collective charge ordering in chromium. Physical Review B, 2015, 91, .	1.1	9
105	Ultrafast Lattice Dynamics of Granular L1 <sub>0</sub> Phase FePt Measured by MeV Electron Diffraction. Microscopy and Microanalysis, 2015, 21, 655-656.	0.2	1
106	Dynamics and efficiency of magnetic vortex circulation reversal. Physical Review B, 2015, 91, .	1.1	12
107	Light emission enhancement by using patterned multilayer hyperbolic metamaterials. , 2015, , .		0
108	Bright circularly polarized soft X-ray high harmonics for X-ray magnetic circular dichroism. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14206-14211.	3.3	235

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109	Anomalous Weak Scattering in Metal-Semiconductor Multilayer Hyperbolic Metamaterials. <i>Physical Review X</i> , 2015, 5, .	2.8	21
110	Exchange bias mediated by interfacial nanoparticles (invited). <i>Journal of Applied Physics</i> , 2015, 117, 172607.	1.1	5
111	All-optical control of ferromagnetic thin films and nanostructures: Competition between polarized light and applied magnetic field. , 2015, , .		0
112	Generation and manipulation of domain walls using a thermal gradient in a ferrimagnetic TbCo wire. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	16
113	Subpicosecond magnetization dynamics in TbCo alloys. <i>Physical Review B</i> , 2014, 89, .	1.1	50
114	Temperature dependent nucleation, propagation, and annihilation of domain walls in all-perpendicular spin-valve nanopillars. <i>Journal of Applied Physics</i> , 2014, 115, 113910.	1.1	6
115	Nonswitchable magnetic moments in polycrystalline and (111)-epitaxial permalloy/CoO exchange-biased bilayers. <i>Physical Review B</i> , 2014, 89, .	1.1	8
116	Curvature-induced and thermal strain in polyhedral gold nanocrystals. <i>Applied Physics Letters</i> , 2014, 105, 173108.	1.5	18
117	Testing spin-flip scattering as a possible mechanism of ultrafast demagnetization in ordered magnetic alloys. <i>Physical Review B</i> , 2014, 90, .	1.1	29
118	Engineered materials for all-optical helicity-dependent magnetic switching. <i>Nature Materials</i> , 2014, 13, 286-292.	13.3	507
119	Dynamics of spin torque switching in all-perpendicular spin valve nanopillars. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 358-359, 233-258.	1.0	84
120	Switching field distributions with spin transfer torques in perpendicularly magnetized spin-valve nanopillars. <i>Physical Review B</i> , 2014, 89, .	1.1	12
121	Ultralow Thermal Conductivity of Multilayers with Highly Dissimilar Debye Temperatures. <i>Nano Letters</i> , 2014, 14, 2448-2455.	4.5	77
122	Enhancing spontaneous emission rates of molecules using nanopatterned multilayer hyperbolic metamaterials. <i>Nature Nanotechnology</i> , 2014, 9, 48-53.	15.6	428
123	Understanding improved electrochemical properties of NiO-doped NiF <sub>2</sub> @C composite conversion materials by X-ray absorption spectroscopy and pair distribution function analysis. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3095.	1.3	15
124	All-optical control of ferromagnetic thin films and nanostructures. <i>Science</i> , 2014, 345, 1337-1340.	6.0	524
125	Nanopatterned Multilayer Hyperbolic Metamaterials for Enhancing Spontaneous Light Emission. , 2014, , .		0
126	Bimodal switching field distributions in all-perpendicular spin-valve nanopillars. <i>Journal of Applied Physics</i> , 2014, 115, 17C707.	1.1	6



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127	Investigating the role of superdiffusive currents in laser induced demagnetization of ferromagnets with nanoscale magnetic domains. <i>Scientific Reports</i> , 2014, 4, 4658.	1.6	38
128	Tunable resonant properties of perpendicular anisotropy [Co/Pd]/Fe/[Co/Pd] multilayers. <i>Journal of Applied Physics</i> , 2013, 113, 17C115.	1.1	7
129	Magnetic phase transition in iron-rhodium thin films probed by ferromagnetic resonance. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 245302.	1.3	33
130	Temperature dependence of the switching field in all-perpendicular spin-valve nanopillars. <i>Physical Review B</i> , 2013, 88, .	1.1	11
131	Low-temperature magnetic characterization of optimum and etch-damaged in-plane magnetic tunnel junctions. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	7
132	Influence of structural disorder on magnetic domain formation in perpendicular anisotropy thin films. <i>Physical Review B</i> , 2013, 87, .	1.1	41
133	Dynamic switching of the spin circulation in tapered magnetic nanodisks. <i>Nature Nanotechnology</i> , 2013, 8, 341-346.	15.6	106
134	Quantifying perpendicular magnetic anisotropy at the Fe-MgO(001) interface. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	83
135	Paramagnetic $\text{Fe}_x\text{Ta}_{1-x}$ alloys for engineering of perpendicularly magnetized tunnel junctions. <i>APL Materials</i> , 2013, 1, .	2.2	18
136	Low depinning fields in Ta-CoFeB-MgO ultrathin films with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2013, 103, 182401.	1.5	90
137	Field mapping and temperature dependence of magnetic domain memory induced by exchange couplings. <i>New Journal of Physics</i> , 2013, 15, 023016.	1.2	8
138	Ultra-thin Co/Pd multilayers with enhanced high-temperature annealing stability. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	38
139	Domain wall motion in nanopillar spin-valves with perpendicular anisotropy driven by spin-transfer torques. <i>Physical Review B</i> , 2012, 86, .	1.1	9
140	Transport and switching behaviors in magnetic tunnel junctions consisting of CoFeB/FeNiSiB hybrid free layers. <i>Journal of Applied Physics</i> , 2012, 111, 093913.	1.1	3
141	State diagram of nanopillar spin valves with perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2012, 86, .	1.1	25
142	Write error rate slopes of in-plane magnetic tunnel junctions. <i>IEEE Magnetics Letters</i> , 2012, 3, .	0.6	8
143	Role of Dipolar Interactions on the Thermal Stability of High-Density Bit-Patterned Media. <i>IEEE Magnetics Letters</i> , 2012, 3, 4500204-4500204.	0.6	23
144	Co/Ni(111) superlattices studied by microscopy, x-ray absorption, and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2012, 86, .	1.1	45

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145	Domain wall motion in magnetically frustrated nanorings. <i>Physical Review B</i> , 2012, 85, .	1.1	1
146	Fe Spin Reorientation across the Metamagnetic Transition in Strained FeRh Thin Films. <i>Physical Review Letters</i> , 2012, 109, 117201.	2.9	103
147	Asymmetric switching behavior in perpendicularly magnetized spin-valve nanopillars due to the polarizer dipole field. <i>Applied Physics Letters</i> , 2012, 100, 062404.	1.5	25
148	Light-induced magnetization reversal of high-anisotropy TbCo alloy films. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	158
149	Thermal stability of patterned Co/Pd nanodot arrays. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	22
150	Thermodynamic Measurements of Fe-Rh Alloys. <i>Physical Review Letters</i> , 2012, 109, 255901.	2.9	77
151	Cargo-Free Magnetic Nanoswimmers for Targeted Drug Delivery. <i>Small</i> , 2012, 8, 460-467.	5.2	393
152	Probing the three-dimensional strain inhomogeneity and equilibrium elastic properties of single crystal Ni nanowires. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	16
153	Controlled growth behavior of chemical vapor deposited Ni nanostructures. <i>Philosophical Magazine</i> , 2012, 92, 2173-2186.	0.7	12
154	Electronic Structure Changes across the Metamagnetic Transition in FeRh via Hard X-Ray Photoemission. <i>Physical Review Letters</i> , 2012, 108, 257208.	2.9	68
155	Time-resolved magnetic relaxation of a nanomagnet on subnanosecond time scales. <i>Physical Review B</i> , 2012, 85, .	1.1	19
156	Structural and Magnetic Dynamics of a Laser Induced Phase Transition in FeRh. <i>Physical Review Letters</i> , 2012, 108, 087201.	2.9	91
157	Spin-transfer-torque reversal in perpendicular anisotropy spin valves with composite free layers. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	31
158	Asymmetric domain wall depinning under current in spin valves with perpendicular anisotropy. <i>Applied Physics Letters</i> , 2011, 98, 232512.	1.5	4
159	Momentum transfer resolved memory in a magnetic system with perpendicular anisotropy. <i>Applied Physics Letters</i> , 2011, 98, 122505.	1.5	2
160	Perpendicular magnetization of CoFeB on single-crystal MgO. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	37
161	Magnetotransport properties of epitaxial MgO(001)/FeRh films across the antiferromagnet to ferromagnet transition. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	40
162	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

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163	Reversal in Bit Patterned Media With Vertical and Lateral Exchange. IEEE Transactions on Magnetics, 2011, 47, 18-25.	1.2	13
164	Current-induced magnetization reversal in terms of power dissipation. Physical Review B, 2011, 84, .	1.1	8
165	Oscillating spatial dependence of domain memory in ferromagnetic films mapped via x-ray speckle correlation. Physical Review B, 2011, 83, .	1.1	14
166	Ferromagnetic resonance study of Co/Pd/Co/Ni multilayers with perpendicular anisotropy irradiated with helium ions. Journal of Applied Physics, 2011, 109, .	1.1	19
167	Antiferromagnetically coupled capped bit patterned media for high-density magnetic recording. Applied Physics Letters, 2011, 98, 012513.	1.5	16
168	Emergent Rotational Symmetries in Disordered Magnetic Domain Patterns. Physical Review Letters, 2011, 107, 257204.	2.9	11
169	Calorimetry of epitaxial thin films. Review of Scientific Instruments, 2011, 82, 023908.	0.6	19
170	Tunable surface plasmon polaritons in Ag composite films by adding dielectrics or semiconductors. Applied Physics Letters, 2011, 98, 243114.	1.5	26
171	Dichroic coherent diffractive imaging. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13393-13398.	3.3	103
172	Ultrafast spin-transfer switching in spin valve nanopillars with perpendicular anisotropy. Applied Physics Letters, 2010, 96, .	1.5	89
173	Oriented Growth of Single-Crystal Ni Nanowires onto Amorphous SiO <sub>2</sub> . Nano Letters, 2010, 10, 5070-5075.	4.5	44
174	Current Induced Switching of the Hard Layer in Perpendicular Magnetic Nanopillars. IEEE Transactions on Magnetics, 2010, 46, 2328-2330.	1.2	3
175	Core-Shell Structured Nanowire Spin Valves. IEEE Transactions on Magnetics, 2010, 46, 2209-2211.	1.2	14
176	Thickness and Temperature Effects on Magnetic Properties and Roughness of $L_{10}$ -Ordered FePt Films. IEEE Transactions on Magnetics, 2010, 46, 2282-2285.	1.2	15
177	Non-adiabatic spin-torques in narrow magnetic domain walls. Nature Physics, 2010, 6, 17-21.	6.5	194
178	Exchange Bias and Domain Evolution at 10Ånm Scales. Physical Review Letters, 2010, 105, 197201.	2.9	36
179	Cumulative minor loop growth in Co/Pt and Co/Pd multilayers. Physical Review B, 2010, 82, .	1.1	45
180	Investigation of FeSiN films as magnetic overcoat for high density recording disk drives. Journal of Applied Physics, 2010, 108, 063925.	1.1	4

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362	Structural and elastic property changes in superlattices induced by high energy ion irradiation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1990, 126, 19-24.	2.6	3
363	Effect of high-energy ion irradiation on the elastic moduli of Ag/Co superlattices. Physical Review B, 1989, 39, 12966-12968.	1.1	15
364	Skyrmion Stabilization at the Domain Morphology Transition in Ferromagnet/Heavy Metal Heterostructures with Low Exchange Stiffness. Advanced Materials Interfaces, 0, , 2101708.	1.9	1