Eric E Fullerton

List of Publications by Year
in descending order

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364 papers	21,637 citations	10389 72 h-index	11607 135 g-index
372 all docs	372 docs citations	372 times ranked	14399 citing authors

#	Article	IF	Citations
1	Current-induced magnetization reversal in nanopillars with perpendicular anisotropy. Nature Materials, 2006, 5, 210-215.	27.5	1,148
2	Interface-induced phenomena in magnetism. Reviews of Modern Physics, 2017, 89, .	45.6	672
3	Structural refinement of superlattices from x-ray diffraction. Physical Review B, 1992, 45, 9292-9310.	3.2	644
4	Magnetic recording: advancing into the future. Journal Physics D: Applied Physics, 2002, 35, R157-R167.	2.8	575
5	All-optical control of ferromagnetic thin films and nanostructures. Science, 2014, 345, 1337-1340.	12.6	524
6	Engineered materials for all-optical helicity-dependent magnetic switching. Nature Materials, 2014, 13, 286-292.	27.5	507
7	Exchange-spring behavior in epitaxial hard/soft magnetic bilayers. Physical Review B, 1998, 58, 12193-12200.	3.2	452
8	Direct observation of the alignment of ferromagnetic spins by antiferromagnetic spins. Nature, 2000, 405, 767-769.	27.8	441
9	Enhancing spontaneous emission rates of molecules using nanopatterned multilayer hyperbolic metamaterials. Nature Nanotechnology, 2014, 9, 48-53.	31.5	428
10	Hard/soft magnetic heterostructures: model exchange-spring magnets. Journal of Magnetism and Magnetic Materials, 1999, 200, 392-404.	2.3	400
11	Roughness and giant magnetoresistance in Fe/Cr superlattices. Physical Review Letters, 1992, 68, 859-862.	7.8	397
12	Cargoâ€Towing Fuelâ€Free Magnetic Nanoswimmers for Targeted Drug Delivery. Small, 2012, 8, 460-467.	10.0	393
13	FeRh/FePt exchange spring films for thermally assisted magnetic recording media. Applied Physics Letters, 2003, 82, 2859-2861.	3.3	384
14	Device implications of spin-transfer torques. Journal of Magnetism and Magnetic Materials, 2008, 320, 1217-1226.	2.3	369
15	Observation of Antiferromagnetic Domains in Epitaxial Thin Films. Science, 2000, 287, 1014-1016.	12.6	307
16	Polymer Mediated Self-Assembly of Magnetic Nanoparticles. Journal of the American Chemical Society, 2002, 124, 2884-2885.	13.7	299
17	The 2017 Magnetism Roadmap. Journal Physics D: Applied Physics, 2017, 50, 363001.	2.8	279
18	Perpendicular Exchange Bias ofCo/PtMultilayers. Physical Review Letters, 2001, 87, 087202.	7.8	271

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19	Magnetization reversal ofCoâ•Ptmultilayers:â€ƒMicroscopic origin of high-field magnetic irreversibility. Physical Review B, 2004, 70, .	3.2	268
20	Antiferromagnetically coupled magnetic media layers for thermally stable high-density recording. Applied Physics Letters, 2000, 77, 3806-3808.	3.3	261
21	Domain structure and magnetization reversal of antiferromagnetically coupled perpendicular anisotropy films. Journal of Magnetism and Magnetic Materials, 2007, 319, 13-55.	2.3	238
22	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.	7.1	235
23	Temperature and field hysteresis of the antiferromagnetic-to-ferromagnetic phase transition in epitaxial FeRh films. Physical Review B, 2005, 72, .	3.2	214
24	Reversible Switching of Interlayer Exchange Coupling through Atomically Thin VO2 via Electronic State Modulation. Matter, 2020, 2, 1582-1593.	10.0	202
25	Non-adiabatic spin-torques in narrow magnetic domain walls. Nature Physics, 2010, 6, 17-21.	16.7	194
26	Reducing the critical current for spin-transfer switching of perpendicularly magnetized nanomagnets. Applied Physics Letters, 2009, 94, .	3.3	171
27	Surface spin-flop transition in Fe/Cr(211) superlattices: Experiment and theory. Physical Review Letters, 1994, 72, 920-923.	7.8	162
28	Tailoring magnetic energies to form dipole skyrmions and skyrmion lattices. Physical Review B, 2017, 95, .	3.2	160
29	Light-induced magnetization reversal of high-anisotropy TbCo alloy films. Applied Physics Letters, 2012, 101, .	3.3	158
30	Oscillatory interlayer coupling and giant magnetoresistance in epitaxial Fe/Cr(211) and (100) superlattices. Physical Review B, 1993, 48, 15755-15763.	3.2	148
31	Separating dipolar broadening from the intrinsic switching field distribution in perpendicular patterned media. Applied Physics Letters, 2007, 90, 162516.	3.3	143
32	Non-oscillatory antiferromagnetic coupling in sputtered Fe/Si superlattices. Journal of Magnetism and Magnetic Materials, 1992, 117, L301-L306.	2.3	138
33	Anisotropy dependence of irreversible switching in Feâ•SmCo and FeNiâ•FePt exchange spring magnet films. Applied Physics Letters, 2005, 86, 262503.	3.3	134
34	Ultrafast magnetization dynamics in high perpendicular anisotropy [Coâ•Pt]n multilayers. Journal of Applied Physics, 2007, 101, 09D102.	2.5	131
35	Antiferromagnetic MnO nanoparticles with ferrimagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>shells: Doubly inverted core-shell system. Physical Review B, 2008, 77, .	3.2	131
36	Suppression of Biquadratic Coupling in Fe/Cr(001) Superlattices below the NÃ©el Transition of Cr. Physical Review Letters, 1995, 75, 330-333.	7.8	130

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37	A new phase diagram for layered antiferromagnetic films. Nature Materials, 2003, 2, 112-116.	27.5	130
38	Spin-transfer pulse switching: From the dynamic to the thermally activated regime. Applied Physics Letters, 2010, 97, .	3.3	128
39	Ferromagnetic resonance linewidth in ultrathin films with perpendicular magnetic anisotropy. Physical Review B, 2009, 80, .	3.2	124
40	Photoinduced antiferromagnetic interlayer coupling in Fe/(Fe-Si) superlattices. Physical Review Letters, 1993, 71, 185-188.	7.8	123
41	Spin-Density-Wave Antiferromagnetism of Cr in Fe/Cr(001) Superlattices. Physical Review Letters, 1996, 77, 1382-1385.	7.8	120
42	Structure and magnetic properties of exchange-spring Smâ€“Co/Co superlattices. Applied Physics Letters, 1998, 72, 380-382.	3.3	115
43	Interfacial roughness of sputtered multilayers: Nb/Si. Physical Review B, 1993, 48, 17432-17444.	3.2	112
44	High coercivity, epitaxial Smâ€“Co films with uniaxial in-plane anisotropy. Applied Physics Letters, 1997, 71, 1579-1581.	3.3	112
45	Direct Imaging and Determination of the Uncompensated Spin Density in Exchange-BiasedCoO/(CoPt)Multilayers. Physical Review Letters, 2003, 91, 267202.	7.8	106
46	Dynamic switching of the spin circulation in tapered magnetic nanodisks. Nature Nanotechnology, 2013, 8, 341-346.	31.5	106
47	Antiferromagnetic LaFeO₃thin films and their effect on exchange bias. Journal of Physics Condensed Matter, 2008, 20, 264014.	1.8	103
48	Dichroic coherent diffractive imaging. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13393-13398.	7.1	103
49	Fe Spin Reorientation across the Metamagnetic Transition in Strained FeRh Thin Films. Physical Review Letters, 2012, 109, 117201.	7.8	103
50	150% magnetoresistance in sputtered Fe/Cr(100) superlattices. Applied Physics Letters, 1993, 63, 1699-1701.	3.3	102
51	Threshold currents to move domain walls in films with perpendicular anisotropy. Applied Physics Letters, 2007, 90, 072508.	3.3	101
52	Disorder-Induced Microscopic Magnetic Memory. Physical Review Letters, 2005, 94, 017202.	7.8	100
53	Domain Walls in Antiferromagnetically Coupled Multilayer Films. Physical Review Letters, 2003, 91, 197203.	7.8	92
54	Soft-x-ray small-angle scattering as a sensitive probe of magnetic and charge heterogeneity. Physical Review B, 2001, 64, .	3.2	91

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55	Structural and Magnetic Dynamics of a Laser Induced Phase Transition in FeRh. Physical Review Letters, 2012, 108, 087201.	7.8	91
56	Structure and magnetism of epitaxially strained Pd(001) films on Fe(001): Experiment and theory. Physical Review B, 1995, 51, 6364-6378.	3.2	90
57	Coercivity tuning in Co/Pd multilayer based bit patterned media. Applied Physics Letters, 2009, 95, 232505.	3.3	90
58	Low depinning fields in Ta-CoFeB-MgO ultrathin films with perpendicular magnetic anisotropy. Applied Physics Letters, 2013, 103, 182401.	3.3	90
59	Ultrafast spin-transfer switching in spin valve nanopillars with perpendicular anisotropy. Applied Physics Letters, 2010, 96, .	3.3	89
60	Temperature-dependent biquadratic coupling in antiferromagnetically coupled Fe/FeSi multilayers. Physical Review B, 1996, 53, 5112-5115.	3.2	86
61	X-ray studies of aligned magnetic stripe domains in perpendicular multilayers. Physica B: Condensed Matter, 2003, 336, 136-144.	2.7	86
62	Dynamics of spin torque switching in all-perpendicular spin valve nanopillars. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 233-258.	2.3	84
63	Quantifying perpendicular magnetic anisotropy at the Fe-MgO(001) interface. Applied Physics Letters, 2013, 102, .	3.3	83
64	Quasistatic X-Ray Speckle Metrology of Microscopic Magnetic Return-Point Memory. Physical Review Letters, 2003, 90, 175502.	7.8	82
65	Analyzing Spin Selectivity in DNA-Mediated Charge Transfer via Fluorescence Microscopy. ACS Nano, 2017, 11, 7516-7526.	14.6	82
66	State-of-the-Art Magnetic Hard Disk Drives. MRS Bulletin, 2006, 31, 379-383.	3.5	81
67	Growth, structural, and magnetic properties of high coercivity Co/Pt multilayers. Journal of Applied Physics, 2001, 89, 7525-7527.	2.5	80
68	Xâ€ray Fraunhofer diffraction patterns from a thinâ€film waveguide. Applied Physics Letters, 1995, 67, 3647-3649.	3.3	79
69	Magnetic reversal of perpendicularly-biased Co/Pt multilayers. Physical Review B, 2002, 65, .	3.2	79
70	Thermodynamic Measurements of Fe-Rh Alloys. Physical Review Letters, 2012, 109, 255901.	7.8	77
71	Ultralow Thermal Conductivity of Multilayers with Highly Dissimilar Debye Temperatures. Nano Letters, 2014, 14, 2448-2455.	9.1	77
72	Growthâ€induced uniaxial inâ€plane magnetic anisotropy for ultrathin Fe deposited on MgO(001) by obliqueâ€incidence molecular beam epitaxy. Applied Physics Letters, 1995, 66, 2140-2142.	3.3	76

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73	Switching behavior of Fe-Pt/Ni-Fe exchange-spring films studied by resonant soft-x-ray magneto-optical Kerr effect. Physical Review B, 2000, 62, 11694-11698.	3.2	73
74	Pinpointing Chiral Structures with Front-Back Polarized Neutron Reflectometry. Physical Review Letters, 2002, 88, 067201.	7.8	71
75	Evidence for the supermodulus effect and enhanced hardness in metallic superlattices. Physical Review B, 1991, 44, 13760-13763.	3.2	70
76	Singleâ€Shot Multiâ€Level Allâ€Optical Magnetization Switching Mediated by Spin Transport. Advanced Materials, 2018, 30, e1804004.	21.0	69
77	Disorder-induced magnetic memory: Experiments and theories. Physical Review B, 2007, 75, .	3.2	68
78	Electronic Structure Changes across the Metamagnetic Transition in FeRh via Hard X-Ray Photoemission. Physical Review Letters, 2012, 108, 257208.	7.8	68
79	Domain Wall Creation in Nanostructures Driven by a Spin-Polarized Current. Physical Review Letters, 2006, 96, 186604.	7.8	67
80	Improved media performance in optimally coupled exchange spring layer media. Applied Physics Letters, 2008, 93, .	3.3	67
81	Synthesizing skyrmion bound pairs in Fe-Gd thin films. Applied Physics Letters, 2016, 109, .	3.3	67
82	Magnetic decoupling in sputtered Fe/Si superlattices and multilayers. Journal of Applied Physics, 1993, 73, 6335-6337.	2.5	66
83	Domain size criterion for the observation of all-optical helicity-dependent switching in magnetic thin films. Physical Review B, 2016, 94, .	3.2	66
84	A general approach to the epitaxial growth of rareâ€earthâ€transitionâ€metal films. Applied Physics Letters, 1996, 69, 2438-2440.	3.3	65
85	HighTcthin films with roughness smaller than one unit cell. Applied Physics Letters, 1992, 60, 120-122.	3.3	64
86	Luminescent hyperbolic metasurfaces. Nature Communications, 2017, 8, 13793.	12.8	63
87	Coercivity mechanisms in positive exchange-biased Co films and Co/Pt multilayers. Physical Review B, 2002, 65, .	3.2	62
88	Spintronics, Magnetoresistive Heads, and the Emergence of the Digital World. Proceedings of the IEEE, 2016, 104, 1787-1795.	21.3	62
89	Structure of high-Tcsuperlattices. Physical Review Letters, 1992, 69, 2859-2862.	7.8	61
90	Accumulative Magnetic Switching of Ultrahigh-Density Recording Media by Circularly Polarized Light. Physical Review Applied, 2016, 6, .	3.8	61

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91	Multiscale dynamics of helicity-dependent all-optical magnetization reversal in ferromagnetic Co/Pt multilayers. Physical Review B, 2017, 96, .	3.2	61
92	Observation of Pure Nuclear Diffraction from a Fe/Cr Antiferromagnetic Multilayer. Physical Review Letters, 1995, 74, 3475-3478.	7.8	59
93	All-optical switching in granular ferromagnets caused by magnetic circular dichroism. Scientific Reports, 2016, 6, 30522.	3.3	59
94	Strong perpendicular magnetic anisotropy in Ni/Co(111) single crystal superlattices. Applied Physics Letters, 2009, 94, 262504.	3.3	58
95	Direct Demonstration of Topological Stability of Magnetic Skyrmions via Topology Manipulation. ACS Nano, 2020, 14, 3251-3258.	14.6	57
96	Colossal magnetic phase transition asymmetry in mesoscale FeRh stripes. Nature Communications, 2016, 7, 13113.	12.8	56
97	Helicity-dependent all-optical domain wall motion in ferromagnetic thin films. Physical Review B, 2018, 97, .	3.2	53
98	All-Sputtered, Superior Power Density Thin-Film Solid Oxide Fuel Cells with a Novel Nanofibrous Ceramic Cathode. Nano Letters, 2020, 20, 2943-2949.	9.1	53
99	Electrical characterization of all-optical helicity-dependent switching in ferromagnetic Hall crosses. Applied Physics Letters, 2016, 108, .	3.3	52
100	Photospintronics: Magnetic Field-Controlled Photoemission and Light-Controlled Spin Transport in Hybrid Chiral Oligopeptide-Nanoparticle Structures. Nano Letters, 2016, 16, 2806-2811.	9.1	52
101	High-coercivity, c-axis oriented Nd2Fe14B films grown by molecular beam epitaxy. Journal of Applied Physics, 1997, 81, 4441-4443.	2.5	51
102	Antiferromagnetic structure ofFePt3films studied by neutron scattering. Physical Review B, 2001, 63, .	3.2	51
103	Nanosecond X-Ray Photon Correlation Spectroscopy on Magnetic Skyrmions. Physical Review Letters, 2017, 119, 067403.	7.8	51
104	Brillouin light scattering study of Fe/Cr/Fe (211) and (100) trilayers. Physical Review B, 1996, 54, 3385-3393.	3.2	50
105	Subpicosecond magnetization dynamics in TbCo alloys. Physical Review B, 2014, 89, .	3.2	50
106	Spin-Dependent Ionization of Chiral Molecular Films. Journal of the American Chemical Society, 2019, 141, 3863-3874.	13.7	50
107	Exchange-spring systems: Coupling of hard and soft ferromagnets as measured by magnetization and Brillouin light scattering (invited). Journal of Applied Physics, 1999, 85, 5901-5904.	2.5	49
108	Nanostructuring Multilayer Hyperbolic Metamaterials for Ultrafast and Bright Green InGaN Quantum Wells. Advanced Materials, 2018, 30, e1706411.	21.0	49

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109	Polarization effects in coherent scattering from magnetic specimen: Implications for x-ray holography, lensless imaging, and correlation spectroscopy. Physical Review B, 2003, 68, .	3.2	48
110	Electric-field modification of magnetism in a thin CoPd film. Physical Review B, 2010, 82, .	3.2	48
111	Beyond a phenomenological description of magnetostriction. Nature Communications, 2018, 9, 388.	12.8	48
112	Polarized-neutron-reflectivity confirmation of 90Â° magnetic structure in Fe/Cr(001) superlattices. Physical Review B, 1996, 53, 2474-2480.	3.2	47
113	Model of the magnetic properties of FePt granular media. Journal of Applied Physics, 2002, 91, 6866.	2.5	45
114	Cumulative minor loop growth in Co/Pt and Co/Pd multilayers. Physical Review B, 2010, 82, .	3.2	45
115	Co/Ni(111) superlattices studied by microscopy, x-ray absorption, andab initiocalculations. Physical Review B, 2012, 86, .	3.2	45
116	Exchange-spring behavior in epitaxial hard/soft magnetic bilayer films. Journal of Applied Physics, 1998, 83, 6238-6240.	2.5	44
117	Oriented Growth of Single-Crystal Ni Nanowires onto Amorphous SiO₂. Nano Letters, 2010, 10, 5070-5075.	9.1	44
118	Photoinduced Enhancement of the Charge Density Wave Amplitude. Physical Review Letters, 2016, 117, 056401.	7.8	44
119	Resonant properties of dipole skyrmions in amorphous Fe/Gd multilayers. Physical Review B, 2017, 95, .	3.2	44
120	Room-temperature observation and current control of skyrmions in Pt/Co/Os/Pt thin films. Physical Review Materials, 2018, 2, .	2.4	43
121	Ferromagnetism of FePt3 films induced by ion-beam irradiation. Journal of Magnetism and Magnetic Materials, 2003, 265, 1-6.	2.3	41
122	Microwave-assisted magnetization reversal and multilevel recording in composite media. Journal of Applied Physics, 2009, 105, .	2.5	41
123	Influence of structural disorder on magnetic domain formation in perpendicular anisotropy thin films. Physical Review B, 2013, 87, .	3.2	41
124	Microwave assisted magnetization reversal in composite media. Applied Physics Letters, 2009, 94, 202509.	3.3	40
125	Magnetotransport properties of epitaxial MgO(001)/FeRh films across the antiferromagnet to ferromagnet transition. Journal of Applied Physics, 2011, 109, .	2.5	40
126	Infrared spectra of giant magnetoresistance Fe/Cr/Fe trilayers. Physical Review B, 1998, 57, 2705-2708.	3.2	39

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127	Role of pinning in current driven domain wall motion in wires with perpendicular anisotropy. Applied Physics Letters, 2008, 93, 172513.	3.3	39
128	Ultra-thin Co/Pd multilayers with enhanced high-temperature annealing stability. Applied Physics Letters, 2013, 102, .	3.3	38
129	Investigating the role of superdiffusive currents in laser induced demagnetization of ferromagnets with nanoscale magnetic domains. Scientific Reports, 2014, 4, 4658.	3.3	38
130	Exchange and anisotropy effects on spin waves in epitaxial Co films. Physical Review B, 1997, 56, 2617-2622.	3.2	37
131	Perpendicular magnetization of CoFeB on single-crystal MgO. Journal of Applied Physics, 2011, 109, .	2.5	37
132	Universal domain wall dynamics under electric field in Ta/CoFeB/MgO devices with perpendicular anisotropy. Nature Communications, 2016, 7, 13532.	12.8	37
133	THz emission from Co/Pt bilayers with varied roughness, crystal structure, and interface intermixing. Physical Review Materials, 2019, 3, .	2.4	37
134	Exchange Bias and Domain Evolution at 10Ânm Scales. Physical Review Letters, 2010, 105, 197201.	7.8	36
135	Perpendicular spin-torque switching with a synthetic antiferromagnetic reference layer. Applied Physics Letters, 2010, 96, .	3.3	36
136	Stable room-temperature ferromagnetic phase at the FeRh(100) surface. Scientific Reports, 2016, 6, 22383.	3.3	36
137	Quantitative X-Ray Diffraction From Superlattices. MRS Bulletin, 1992, 17, 33-38.	3.5	35
138	Epitaxial growth of bodyâ€centeredâ€cubic transition metal films and superlattices onto MgO (111), (011), and (001) substrates. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1995, 13, 276-281.	2.1	35
139	Low-frequency dynamic response and hysteresis in magnetic superlattices. Physical Review B, 1998, 57, 476-484.	3.2	35
140	Magnetic patterning of chemically-ordered CrPt3 films. Applied Physics Letters, 2001, 79, 1151-1153.	3.3	35
141	Interfacial magnetic domain wall formation in perpendicular-anisotropy, exchange-spring films. Applied Physics Letters, 2008, 92, 202507.	3.3	35
142	Monodispersed MnO nanoparticles with epitaxial Mn₃O₄shells. Journal Physics D: Applied Physics, 2008, 41, 134007.	2.8	34
143	Frustration driven stripe domain formation in Co/Pt multilayer films. Applied Physics Letters, 2009, 95, 022505.	3.3	34
144	Optically Induced Phase Change for Magnetoresistance Modulation. Advanced Quantum Technologies, 2020, 3, 1900104.	3.9	34

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145	Relationship between structural phase transitions and elastic anomalies in metallic superlattices. Journal of Applied Physics, 1993, 73, 7370-7375.	2.5	33
146	Interparticle magnetic correlations in dense Co nanoparticle assemblies. Physical Review B, 2005, 71, .	3.2	33
147	Magnetic phase transition in ironâ€“rhodium thin films probed by ferromagnetic resonance. Journal Physics D: Applied Physics, 2013, 46, 245302.	2.8	33
148	A simple closed-form expression for the X-ray reflectivity from multilayers with cumulative roughness. Scripta Metallurgica Et Materialia, 1995, 33, 1603-1608.	1.0	31
149	Anisotropy determination in epitaxial Smâ€“Co/Fe exchange springs. Journal of Applied Physics, 2000, 87, 6686-6688.	2.5	31
150	Exchange bias in Fe[sub x]Zn[sub 1â^'x]F[sub 2]/Co bilayers. Journal of Applied Physics, 2002, 91, 7763.	2.5	31
151	The role of uncompensated spins in exchange biasing. Europhysics Letters, 2008, 81, 17001.	2.0	31
152	Temperature-dependent magnetization reversal in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (mathvariant=	3.2	31
153	mathvariant="normal">Ru</mml:mi></mml:mrow></mml:math>multilayers. Physical Review B, 2008, 77, Spin-transfer-torque reversal in perpendicular anisotropy spin valves with composite free layers. Applied Physics Letters, 2011, 99, .	3.3	31
154	Dynamic coercivity measurements of antiferromagnetically coupled magnetic media layers. Applied Physics Letters, 2001, 78, 2748-2750.	3.3	30
155	Observation of x-ray radiation pressure effects on nanocrystals. Journal of Applied Physics, 2016, 120, 163102.	2.5	30
156	Realization of ordered magnetic skyrmions in thin films at ambient conditions. Physical Review Materials, 2019, 3, .	2.4	30
157	Probing the magnetic transitions in exchange-biasedFePt3/Febilayers. Physical Review B, 2002, 66, .	3.2	29
158	Cobaltâ€“oxide underlayers for cobaltâ€“ferrite pinned spin valves. Applied Physics Letters, 2002, 81, 520-522.	3.3	29
159	Magnetic Tuning of Biquadratic Exchange Coupling in Magnetic Thin Films. Physical Review Letters, 2003, 91, 097203.	7.8	29
160	The 2007 Nobel Prize in Physics: Magnetism and Transport at the Nanoscale. ACS Nano, 2007, 1, 384-389.	14.6	29
161	Testing spin-flip scattering as a possible mechanism of ultrafast demagnetization in ordered magnetic alloys. Physical Review B, 2014, 90, .	3.2	29
162	Spin-orbit torque induced dipole skyrmion motion at room temperature. Physical Review B, 2018, 98, .	3.2	29

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163	Telegraph noise due to domain wall motion driven by spin current in perpendicular magnetized nanopillars. Applied Physics Letters, 2009, 94, .	3.3	28
164	Quantum Sensing and Imaging of Spinâ€“Orbitâ€Torqueâ€Driven Spin Dynamics in the Nonâ€Collinear Antiferromagnet Mn₃Sn. Advanced Materials, 2022, 34, e2200327.	21.0	28
165	Neutron diffraction and reflectivity studies of the Cr NÃ©el transition in Fe/Cr (001) superlattices. Physica B: Condensed Matter, 1996, 221, 370-376.	2.7	27
166	Phase diagram of imperfect ferromagnetic/antiferromagnetic bilayers. Journal of Magnetism and Magnetic Materials, 1997, 165, 471-474.	2.3	27
167	Role of boron on grain sizes and magnetic correlation lengths in recording media as determined by soft x-ray scattering. Applied Physics Letters, 2002, 80, 1234-1236.	3.3	27
168	Interlayer coupling and magnetic reversal of antiferromagnetically coupled media. Applied Physics Letters, 2002, 80, 91-93.	3.3	27
169	Suppression of the perpendicular anisotropy at the CoO NÃ©el temperature in exchange-biased CoO/[Co/Pt] multilayers. Applied Physics Letters, 2009, 95, 132509.	3.3	27
170	Nano-Ceramic Cathodes via Co-sputtering of Gdâ€“Ce Alloy and Lanthanum Strontium Cobaltite for Low-Temperature Thin-Film Solid Oxide Fuel Cells. ACS Applied Energy Materials, 2020, 3, 8135-8142.	5.1	27
171	Tunable surface plasmon polaritons in Ag composite films by adding dielectrics or semiconductors. Applied Physics Letters, 2011, 98, 243114.	3.3	26
172	Hysteretic Spin-Density-Wave Ordering in Confined Geometries. Physical Review Letters, 2003, 91, 237201.	7.8	25
173	Influence of interface exchange coupling in perpendicular anisotropy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mrow><mml:mo>[</mml:mo><mml:mrow><mml:mtext>Pt</mml:mte Physical Review B, 2008, 78, .	3.2	25
174	State diagram of nanopillar spin valves with perpendicular magnetic anisotropy. Physical Review B, 2012, 86, .	3.2	25
175	Asymmetric switching behavior in perpendicularly magnetized spin-valve nanopillars due to the polarizer dipole field. Applied Physics Letters, 2012, 100, 062404.	3.3	25
176	Phase Coexistence and Kinetic Arrest in the Magnetostructural Transition of the Ordered Alloy FeRh. Scientific Reports, 2018, 8, 1778.	3.3	25
177	Magnons in antiferromagnetically coupled superlattices. Physical Review B, 1996, 53, 2627-2632.	3.2	24
178	Interplay between biquadratic coupling and the NÃ©el transition inFe/Cr94Fe6(001)superlattices. Physical Review B, 1997, 56, 5468-5473.	3.2	24
179	Stokesâ€“anti-Stokes Brillouin intensity asymmetry of spin-wave modes in ferromagnetic films and multilayers. Physical Review B, 2002, 65, .	3.2	24
180	Exchange-bias training effect inTbFeâ•GdFe: Micromagnetic mechanism. Physical Review B, 2007, 76, .	3.2	24

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181	Tailoring magnetism in CoNi films with perpendicular anisotropy by ion irradiation. Journal of Applied Physics, 2008, 103, 07B529.	2.5	24
182	Breakdown of Poissonâ€™s effect in Nb/Cu superlattices. Physical Review B, 1993, 47, 12813-12819.	3.2	23
183	Perpendicular conductance and magnetic coupling in epitaxial Fe/MgO/Fe(100) trilayers. Journal of Applied Physics, 1997, 81, 795-798.	2.5	23
184	Distortion of the Stoner-Wohlfarth astroid by a spin-polarized current. Physical Review B, 2009, 79, .	3.2	23
185	Role of Dipolar Interactions on the Thermal Stability of High-Density Bit-Patterned Media. IEEE Magnetics Letters, 2012, 3, 4500204-4500204.	1.1	23
186	Room temperature giant magnetostriction in single-crystal nickel nanowires. NPG Asia Materials, 2019, 11, .	7.9	23
187	Graded magnetic materials. Journal Physics D: Applied Physics, 2021, 54, 303002.	2.8	23
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