

Robert L Stamps

List of Publications by Year in descending order

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243
papers

9,318
citations

57631

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46693

89
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249
all docs

249
docs citations

249
times ranked

6357
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms for exchange bias. <i>Journal Physics D: Applied Physics</i> , 2000, 33, R247-R268.	1.3	726
2	Realization of spin-wave logic gates. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	584
3	Creep and Flow Regimes of Magnetic Domain-Wall Motion in Ultrathin $\text{Pt}/\text{Co}/\text{Pt}$ with Perpendicular Anisotropy. <i>Physical Review Letters</i> , 2007, 99, 217208.	2.9	510
4	Exchange bias using a spin glass. <i>Nature Materials</i> , 2007, 6, 70-75.	13.3	369
5	The 2014 Magnetism Roadmap. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 333001.	1.3	329
6	The 2021 Magnonics Roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 413001.	0.7	287
7	Magnetic anisotropies of ultrathin $\text{Co}(001)$ films on $\text{Cu}(001)$. <i>Physical Review Letters</i> , 1992, 69, 3674-3677.	2.9	225
8	Advances in artificial spin ice. <i>Nature Reviews Physics</i> , 2020, 2, 13-28.	11.9	224
9	Level Attraction Due to Dissipative Magnon-Photon Coupling. <i>Physical Review Letters</i> , 2018, 121, 137203.	2.9	214
10	Magnetic multilayers: spin configurations, excitations and giant magnetoresistance. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 3727-3786.	0.7	203
11	Artificial ferroic systems: novel functionality from structure, interactions and dynamics. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 363201.	0.7	185
12	Switching behavior of a Stoner particle beyond the relaxation time limit. <i>Physical Review B</i> , 2000, 61, 3410-3416.	1.1	176
13	Spin-wave propagation in a microstructured magnonic crystal. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	168
14	Ground state search, hysteretic behaviour and reversal mechanism of skyrmionic textures in confined helimagnetic nanostructures. <i>Scientific Reports</i> , 2015, 5, 17137.	1.6	165
15	Narrow Magnonic Waveguides Based on Domain Walls. <i>Physical Review Letters</i> , 2015, 114, 247206.	2.9	150
16	Chiral Surface Twists and Skyrmion Stability in Nanolayers of Cubic Helimagnets. <i>Physical Review Letters</i> , 2016, 117, 087202.	2.9	109
17	Magnetic soliton confinement and discretization effects arising from macroscopic coherence in a chiral spin soliton lattice. <i>Physical Review B</i> , 2015, 92, .	1.1	102
18	Partial frequency band gap in one-dimensional magnonic crystals. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	94

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19	Nonreciprocal spin-wave channeling along textures driven by the Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , 2014, 89, .	1.1	94
20	Dipole-exchange propagating spin-wave modes in metallic ferromagnetic stripes. <i>Physical Review B</i> , 2007, 76, .	1.1	92
21	Disorder Strength and Field-Driven Ground State Domain Formation in Artificial Spin Ice: Experiment, Simulation, and Theory. <i>Physical Review Letters</i> , 2012, 109, 037203.	2.9	87
22	Study of photon-magnon coupling in a YIG-film split-ring resonant system. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	86
23	Systematic Structural Coordination Chemistry of p-tert-Butyltetrathiacalix[4]arene: Further Complexes of Transition-Metal Ions. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2106-02126.	1.0	82
24	Internal structure of hexagonal skyrmion lattices in cubic helimagnets. <i>New Journal of Physics</i> , 2016, 18, 095004.	1.2	82
25	Resonant and nonresonant scattering of dipole-dominated spin waves from a region of inhomogeneous magnetic field in a ferromagnetic film. <i>Physical Review B</i> , 2007, 76, .	1.1	68
26	Reconfigurable wave band structure of an artificial square ice. <i>Physical Review B</i> , 2016, 93, .	1.1	64
27	Vertex Dynamics in Finite Two-Dimensional Square Spin Ices. <i>Physical Review Letters</i> , 2010, 105, 017201.	2.9	61
28	Emergent dynamic chirality in a thermally driven artificial spin ratchet. <i>Nature Materials</i> , 2017, 16, 1106-1111.	13.3	61
29	Angular dependence and interfacial roughness in exchange-biased ferromagnetic/antiferromagnetic bilayers. <i>Physical Review B</i> , 2000, 61, 8888-8894.	1.1	59
30	Phase shift of spin waves traveling through a 180° Bloch-domain wall. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 3094-3096.	1.2	59
31	Anisotropy effects on the magnetic excitations of a ferromagnetic monolayer below and above the Curie temperature. <i>Physical Review B</i> , 2005, 72, .	1.1	56
32	Spin Wave Power Flow and Caustics in Ultrathin Ferromagnets with the Dzyaloshinskii-Moriya Interaction. <i>Physical Review Letters</i> , 2016, 117, 197204.	2.9	55
33	Dipolar interactions and the magnetic behavior of two-dimensional ferromagnetic systems. <i>Physical Review B</i> , 1991, 44, 12417-12423.	1.1	54
34	Spin configurations and spin-wave excitations in exchange-coupled bilayers. <i>Physical Review B</i> , 1994, 49, 339-347.	1.1	53
35	Propagating volume and localized spin wave modes on a lattice of circular magnetic antidots. <i>Journal of Applied Physics</i> , 2008, 103, 07C507.	1.1	51
36	Vacuum Faraday effect for electrons. <i>New Journal of Physics</i> , 2012, 14, 103040.	1.2	50

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37	Finite-size effects on spin configurations in antiferromagnetically coupled multilayers. <i>Physical Review B</i> , 1992, 46, 10847-10853.	1.1	48
38	Domain dynamics and fluctuations in artificial square ice at finite temperatures. <i>New Journal of Physics</i> , 2012, 14, 035014.	1.2	48
39	Proposal of a micromagnetic standard problem for ferromagnetic resonance simulations. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 421, 428-439.	1.0	48
40	Anisotropies, cone states, and stripe domains in Co/Pt multilayers. <i>Journal of Applied Physics</i> , 1997, 81, 4751-4753.	1.1	47
41	Diversity Enabling Equilibration: Disorder and the Ground State in Artificial Spin Ice. <i>Physical Review Letters</i> , 2011, 107, 217204.	2.9	47
42	Microscopic calculation of spin waves in antiferromagnetically coupled multilayers: Nonreciprocity and finite-size effects. <i>Physical Review B</i> , 1993, 47, 11910-11923.	1.1	46
43	Dynamic magnetic hysteresis and anomalous viscosity in exchange bias systems. <i>Physical Review B</i> , 2000, 61, 12174-12180.	1.1	45
44	Local stabilisation of polar order at charged antiphase boundaries in antiferroelectric (Bi _{0.85} Nd _{0.15})(Ti _{0.1} Fe _{0.9})O ₃ . <i>APL Materials</i> , 2013, 1, .	2.2	44
45	Is the Angular Momentum of an Electron Conserved in a Uniform Magnetic Field?. <i>Physical Review Letters</i> , 2014, 113, 240404.	2.9	44
46	Phase diagram of thin antiferromagnetic films in strong magnetic fields. <i>Physical Review B</i> , 1994, 50, 13453-13460.	1.1	43
47	Dipolar ground state of planar spins on triangular lattices. <i>Physical Review B</i> , 2006, 73, .	1.1	43
48	In situ Brillouin scattering study of the thickness dependence of magnetic anisotropy in uncovered and Cu-covered Fe/GaAs(100) ultrathin films. <i>Physical Review B</i> , 2004, 69, .	1.1	42
49	Hysteresis from antiferromagnet domain-wall processes in exchange-biased systems: Magnetic defects and thermal effects. <i>Physical Review B</i> , 2005, 71, .	1.1	42
50	Magnetic properties of Co/Pd multilayers determined by Brillouin light scattering and SQUID magnetometry. <i>Journal of Applied Physics</i> , 1991, 69, 2448-2454.	1.1	41
51	Influence of exchange-coupled anisotropies on spin-wave frequencies in magnetic layered systems: Application to Co/CoO. <i>Physical Review B</i> , 1996, 54, 4159-4164.	1.1	41
52	Magnetization processes and reorientation transition for small magnetic dots. <i>Physical Review B</i> , 1999, 60, 11694-11699.	1.1	41
53	Defect-modified exchange bias. <i>Applied Physics Letters</i> , 2001, 79, 2785-2787.	1.5	40
54	Oscillatory interlayer exchange coupling of Co/Ru multilayers investigated by Brillouin light scattering. <i>Physical Review B</i> , 1992, 46, 5810-5813.	1.1	39

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55	Deroughening of Domain Wall Pairs by Dipolar Repulsion. <i>Physical Review Letters</i> , 2005, 94, 207211.	2.9	39
56	A Simple Hebbian/Anti-Hebbian Network Learns the Sparse, Independent Components of Natural Images. <i>Neural Computation</i> , 2006, 18, 415-429.	1.3	38
57	Systematic Structural Coordination Chemistry of <i>n</i> -Butyltetrathiacalix[4]arene: Further Complexes of Lanthanide Metal Ions. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2127-2152.	1.0	38
58	Emergence of skyrmion lattices and bimerons in chiral magnetic thin films with nonmagnetic impurities. <i>Physical Review B</i> , 2014, 89, .	1.1	38
59	Magnetic anisotropies in body-centered-cubic cobalt films. <i>Physical Review B</i> , 1995, 52, 10194-10201.	1.1	37
60	Exchange and anisotropy effects on spin waves in epitaxial Co films. <i>Physical Review B</i> , 1997, 56, 2617-2622.	1.1	37
61	Dynamic Binding of Driven Interfaces in Coupled Ultrathin Ferromagnetic Layers. <i>Physical Review Letters</i> , 2010, 104, 237206.	2.9	36
62	Spin-orbit interaction enhancement in permalloy thin films by Pt doping. <i>Physical Review B</i> , 2016, 93, .	1.1	35
63	Collective resonant dynamics of the chiral spin soliton lattice in a monoaxial chiral magnetic crystal. <i>Physical Review B</i> , 2017, 95, .	1.1	35
64	Vogel-Fulcher-Tammann freezing of a thermally fluctuating artificial spin ice probed by x-ray photon correlation spectroscopy. <i>Physical Review B</i> , 2017, 95, .	1.1	35
65	Bulk and surface spin waves in thin film antiferromagnets. <i>Journal of Applied Physics</i> , 1984, 56, 3497-3502.	1.1	34
66	Theory of spin wave modes in tangentially magnetized thin cylindrical dots: A variational approach. <i>Physical Review B</i> , 2006, 73, .	1.1	34
67	Magnetization pinning at a Py/Co interface measured using broadband inductive magnetometry. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	34
68	Direct calculation of the attempt frequency of magnetic structures using the finite element method. <i>Journal of Applied Physics</i> , 2012, 111, 093917.	1.1	33
69	Spin-wave propagation on imperfect ultrathin ferromagnetic films. <i>Physical Review B</i> , 1993, 47, 5072-5076.	1.1	32
70	Biased switching of small magnetic particles. <i>Applied Physics Letters</i> , 1999, 75, 1143-1145.	1.5	32
71	Electronic transport through domain walls in ferromagnetic nanowires: Coexistence of adiabatic and nonadiabatic spin dynamics. <i>Physical Review B</i> , 2004, 69, .	1.1	32
72	Field tunable localization of spin waves in antidot arrays. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	32

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73	Spin canting induced nonreciprocal Goos-Hänchen shifts. <i>Optics Express</i> , 2014, 22, 28467.	1.7	32
74	Dipole-exchange modes in thin ferromagnetic films with strong out-of-plane anisotropies. <i>Physical Review B</i> , 1991, 43, 3532-3539.	1.1	30
75	Green's functions for antiferromagnetic polaritons. I. Surface modes and resonances. <i>Physical Review B</i> , 1989, 40, 596-608.	1.1	29
76	Magnetic anisotropies of ultrathin Co films on Cu(001) and Cu(1113) substrates. <i>Journal of Magnetism and Magnetic Materials</i> , 1993, 121, 483-486.	1.0	29
77	Spin waves in antiferromagnetic thin films and multilayers: Surface and interface exchange and entire-cell effective-medium theory. <i>Physical Review B</i> , 1996, 54, 15200-15209.	1.1	29
78	Micromagnetic simulation of antiferromagnetic/ferromagnetic structures. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2397-2399.	1.2	28
79	Rotatable anisotropy and mixed interfaces: Exchange bias in Fe/KNiF ₃ . <i>Physical Review B</i> , 2004, 69, .	1.1	28
80	Spin-wave tunnelling through a mechanical gap. <i>Europhysics Letters</i> , 2010, 90, 27003.	0.7	28
81	Unusual nature of confined modes in a chiral system: Directional transport in standing waves. <i>Physical Review B</i> , 2019, 99, .	1.1	27
82	Brillouin light scattering on Fe/Cr/Fe thin film sandwiches. <i>Journal of Applied Physics</i> , 1994, 75, 3553-3563.	1.1	25
83	Magnetization pinning in conducting films demonstrated using broadband ferromagnetic resonance. <i>Journal of Applied Physics</i> , 2010, 108, 103914.	1.1	25
84	Brillouin light scattering study of magnetic-element normal modes in a square artificial spin ice geometry. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 015003.	1.3	25
85	Superferromagnetism and Domain-Wall Topologies in Artificial "Pinwheel" Spin Ice. <i>ACS Nano</i> , 2019, 13, 2213-2222.	7.3	25
86	Magnetic domain structures in arrays of submicron Co dots studied with magnetic force microscopy. <i>Journal of Applied Physics</i> , 2000, 87, 5111-5113.	1.1	24
87	Parallel axis theorem for free-space electron wavefunctions. <i>New Journal of Physics</i> , 2015, 17, 093015.	1.2	24
88	Parametric spin wave excitation and cascaded processes during switching in thin films. <i>Physical Review B</i> , 2007, 75, .	1.1	23
89	Exchange anisotropy pinning of a standing spin-wave mode. <i>Physical Review B</i> , 2011, 83, .	1.1	23
90	Disorder regimes and equivalence of disorder types in artificial spin ice. <i>Journal of Applied Physics</i> , 2012, 111, 07E109.	1.1	23

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91	Nonreciprocal reflection from semi-infinite antiferromagnets. <i>Physical Review B</i> , 1991, 43, 3626-3636.	1.1	22
92	Effective-medium theory for finite magnetic multilayers: Effect of anisotropy on dipolar modes. <i>Physical Review B</i> , 1993, 47, 3225-3230.	1.1	22
93	Periodic magnetic domain wall pinning in an ultrathin film with perpendicular anisotropy generated by the stray magnetic field of a ferromagnetic nanodot array. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	22
94	Unidirectional Magnetization Relaxation in Exchange-Biased Films. <i>IEEE Magnetics Letters</i> , 2010, 1, 3500204-3500204.	0.6	22
95	Tunable Focusing in Natural Hyperbolic Magnetic Media. <i>ACS Photonics</i> , 2016, 3, 1670-1677.	3.2	22
96	Variation of the magnetic domain structure with reversal field (invited). <i>Journal of Applied Physics</i> , 2003, 93, 6567-6571.	1.1	21
97	Focus on artificial frustrated systems. <i>New Journal of Physics</i> , 2014, 16, 075016.	1.2	21
98	Spin-Wave Eigenmodes of Dzyaloshinskii Domain Walls. <i>Advanced Electronic Materials</i> , 2016, 2, 1500202.	2.6	21
99	Spin-Wave Chirality and Its Manifestations in Antiferromagnets. <i>Physical Review Letters</i> , 2017, 119, 177202.	2.9	21
100	Microscopic origin of level attraction for a coupled magnon-photon system in a microwave cavity. <i>New Journal of Physics</i> , 2019, 21, 095003.	1.2	21
101	Dipole-exchange spin-wave modes in very-thin-film antiferromagnets. <i>Physical Review B</i> , 1987, 35, 1919-1931.	1.1	20
102	Dipole-exchange modes in multilayers with out-of-plane anisotropies. <i>Physical Review B</i> , 1991, 44, 5095-5104.	1.1	20
103	Temperature dependence of domain-wall bias and coercivity. <i>Journal of Applied Physics</i> , 2001, 89, 6913-6915.	1.1	20
104	High-frequency susceptibility of a weak ferromagnet with magnetostrictive magnetoelectric coupling: Using heterostructures to tailor electromagnon frequencies. <i>Physical Review B</i> , 2010, 81, .	1.1	20
105	Melting of hexagonal skyrmion states in chiral magnets. <i>New Journal of Physics</i> , 2013, 15, 053003.	1.2	20
106	Temperature-dependent thin-film cone states in epitaxial Co/Pt multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 167, L189-L199.	1.0	19
107	High-frequency response and reversal dynamics of two-dimensional magnetic dot arrays. <i>Physical Review B</i> , 1999, 60, 12264-12269.	1.1	19
108	Magnetic domain wall creep in the presence of an effective interlayer coupling field. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2571-2575.	1.0	19

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109	Thickness dependence of spin wave excitations in an artificial square spin ice-like geometry. Journal of Applied Physics, 2017, 121, .	1.1	19
110	Ferromagnetic Resonance Investigation of Macroscopic Arrays of Magnetic Nanoelements Fabricated Using Polystyrene Nanosphere Lithographic Mask Technique. IEEE Transactions on Magnetics, 2008, 44, 2741-2744.	1.2	18
111	Dynamic Magnetic Properties of Ferroc Films, Multilayers, and Patterned Elements. Advanced Functional Materials, 2010, 20, 2380-2394.	7.8	18
112	Probing $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Multilayers. Physical Review Letters, 2011, 107, 127201.	1.1	18
113	Dynamic fluctuations and two-dimensional melting at the spin reorientation transition. Physical Review B, 2012, 86, .	1.1	18
114	Characterization of large magnetic anisotropies in (100)- and (111)-oriented Co/Pt multilayers by Brillouin light scattering. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1863-1864.	1.0	17
115	Calculation of spin wave mode response induced by a coplanar microwave line. Journal of Applied Physics, 2007, 101, 09D107.	1.1	17
116	Confinement quantization of parallel pump instability threshold in a metallic ferromagnetic stripe. Applied Physics Letters, 2007, 90, 012507.	1.5	17
117	Exchange bias: Dependence on the properties of the ferromagnetic interface layer. Physical Review B, 2010, 82, .	1.1	17
118	The unhappy wanderer. Nature Physics, 2014, 10, 623-624.	6.5	17
119	Mechanisms of exchange bias: partial wall pinning, and fluctuations. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 139-145.	1.0	16
120	Influence of grain boundaries on the magnetization reorientation transition in ultrathin films. Physical Review B, 2007, 75, .	1.1	16
121	Spatial Fluctuations of Loose Spin Coupling in CuMnCo Multilayers. Physical Review Letters, 2011, 107, 127201.	2.9	16
122	Nanoscale Mapping of the Magnetic Properties of (111)-Oriented $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$. Nano Letters, 2015, 15, 5868-5874.	4.5	16
123	Cavity optomechanics of topological spin textures in magnetic insulators. Physical Review B, 2018, 98, .	1.1	16
124	Tuning magnetic order with geometry: Thermalization and defects in two-dimensional artificial spin ices. Physical Review B, 2020, 101, .	1.1	16
125	Dynamic susceptibilities for magnetic layered structures. Physical Review B, 1993, 48, 15740-15743.	1.1	15
126	Theory of domain wall nucleation in a two section magnetic wire. IEEE Transactions on Magnetics, 2001, 37, 2098-2100.	1.2	15

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127	Thermal training of exchange bias in epitaxial Fe/KNiF ₃ . <i>Physical Review B</i> , 2004, 69, .	1.1	15
128	Spin wave valve in an exchange spring bilayer. <i>Physical Review B</i> , 2006, 73, .	1.1	15
129	Energy- and Momentum-Resolved Exchange and Spin-Orbit Interaction in Cobalt Film by Spin-Polarized Two-Electron Spectroscopy. <i>Physical Review Letters</i> , 2006, 97, 096402.	2.9	15
130	A network model for field and quenched disorder effects in artificial spin ice. <i>New Journal of Physics</i> , 2012, 14, 045008.	1.2	15
131	Excitation of magnon spin photocurrents in antiferromagnetic insulators. <i>Physical Review B</i> , 2018, 98, .	1.1	15
132	Roughness-induced instability in stripe domain patterns. <i>Physical Review B</i> , 2000, 62, 6467-6474.	1.1	14
133	Ferromagnetic resonance in exchange spring thin films. <i>Journal of Applied Physics</i> , 2003, 93, 6483-6485.	1.1	14
134	Circuit model for domain walls in ferromagnetic nanowires: Application to conductance and spin transfer torques. <i>Physical Review B</i> , 2004, 70, .	1.1	14
135	Controlling the magnetization reversal in exchange-biased Co/CoO elongated nanorings. <i>Nanotechnology</i> , 2009, 20, 015304.	1.3	14
136	Oriented Asymmetric Wave Propagation and Refraction Bending in Hyperbolic Media. <i>ACS Photonics</i> , 2018, 5, 5086-5094.	3.2	14
137	Electromagnetic Approach to Cavity Spintronics. <i>Physical Review Applied</i> , 2021, 15, .	1.5	14
138	Surface aided polarization reversal in small ferroelectric particles. <i>Journal of Applied Physics</i> , 2003, 93, 4215-4218.	1.1	13
139	Optic and acoustic modes measured in a cobalt/Permalloy exchange spring bilayer using inductive magnetometry. <i>Journal of Applied Physics</i> , 2005, 97, 10A707.	1.1	12
140	Theory for nucleation at an interface and magnetization reversal of a two-layer nanowire. <i>Physical Review B</i> , 2006, 73, .	1.1	12
141	Surface and bulk polaritons in a PML-type magnetoelectric multiferroic with canted spins: TE and TM polarization. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 105901.	0.7	12
142	Spatially periodic domain wall pinning potentials: Asymmetric pinning and dipolar biasing. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	12
143	Optical conversion of pure spin currents in hybrid molecular devices. <i>Nature Communications</i> , 2017, 8, 926.	5.8	12
144	Magnetic anisotropy and conical phase transition in monoaxial chiral magnets. <i>Physical Review B</i> , 2017, 95, .	1.1	12

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145	Stray-Field Imaging of a Chiral Artificial Spin Ice during Magnetization Reversal. ACS Nano, 2019, 13, 13910-13916.	7.3	12
146	Magnetostatic modes in thin film antiferromagnet/ferromagnet layered systems. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 803-804.	1.0	11
147	Exchange bias: interface imperfections and temperature dependence. IEEE Transactions on Magnetics, 1999, 35, 2994-2997.	1.2	11
148	Exchange bias in the Fe/KCoF3 system: A comprehensive magnetometry study. Journal of Applied Physics, 2003, 93, 6835-6837.	1.1	11
149	Asymmetry in the static and dynamic magnetic properties of a weak exchange spring trilayer. Journal of Magnetism and Magnetic Materials, 2005, 286, 479-483.	1.0	11
150	Measurement of exchange anisotropy in exchange-bias bilayers. Journal of Magnetism and Magnetic Materials, 2006, 301, 238-244.	1.0	11
151	Ferroelectric and electrical characterization of multiferroic BiFeO3 at the single nanoparticle level. Applied Physics Letters, 2011, 99, 252905.	1.5	11
152	Heisenberg pseudo-exchange and emergent anisotropies in field-driven pinwheel artificial spin ice. Physical Review B, 2019, 100, .	1.1	11
153	Green's functions for antiferromagnetic polaritons. II. Scattering from rough surfaces. Physical Review B, 1989, 40, 609-621.	1.1	10
154	Reflection of spin waves by atomic steps. Physical Review B, 1992, 46, 10836-10840.	1.1	10
155	Exchange interaction and magnetic domain formation in periodically inhomogeneous magnetic media. Physical Review B, 2008, 77, .	1.1	10
156	A Novel Approach to FePt Assemblage and Synthesis. Journal of Physical Chemistry C, 2008, 112, 5271-5274.	1.5	10
157	The modification of M41S materials: addition of metal clusters and nanoparticles. New Journal of Chemistry, 2010, 34, 1286.	1.4	10
158	Effect of disorder studied with ferromagnetic resonance for arrays of tangentially magnetized submicron Permalloy disks fabricated by nanosphere lithography. Journal of Applied Physics, 2011, 109, 013906.	1.1	10
159	Ferromagnetic resonance shifts from electric fields: Field-enhanced screening charge in ferromagnet/ferroelectric multilayers. Physical Review B, 2012, 85, .	1.1	10
160	Monte Carlo simulation of the effects of higher-order anisotropy on the spin reorientation transition in the two-dimensional Heisenberg model with long-range interactions. Physical Review B, 2013, 87, .	1.1	10
161	Oscillatory interlayer exchange coupling of Co/Ru and permalloy / Ru multilayers investigated by Brillouin light scattering. Journal of Magnetism and Magnetic Materials, 1993, 121, 270-274.	1.0	9
162	Light scattering from spin wave excitations in a Co/CoPt exchange spring. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 530-532.	1.0	9

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163	Magnetic Fe stripes created by self-organized MnAs template: Stripe edge pinning and high-frequency properties. <i>Physical Review B</i> , 2009, 80, .	1.1	9
164	Expansion and relaxation of magnetic mirror domains in a Pt/Co/Pt/Co/Pt multilayer with antiferromagnetic interlayer coupling. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 024212.	0.7	9
165	Exchange-dominated eigenmodes in sub-100nm permalloy dots: A micromagnetic study at finite temperature. <i>Journal of Applied Physics</i> , 2014, 115, 17D119.	1.1	9
166	Anisotropy effects on the magnetic excitations of epitaxial ultrathin films below and above the Curie temperature. <i>Surface Science</i> , 2006, 600, 4147-4150.	0.8	8
167	Dynamic consequences of exchange enhanced anisotropy in ferromagnet/antiferromagnet bilayers. <i>Europhysics Letters</i> , 2006, 74, 512-518.	0.7	8
168	Configurable Artificial Spin Ice with Site-Specific Local Magnetic Fields. <i>Physical Review Letters</i> , 2021, 126, 017203.	2.9	8
169	Dipole-exchange modes in single thin films and multilayers with large out-of-plane anisotropies. <i>Journal of Magnetism and Magnetic Materials</i> , 1991, 93, 616-620.	1.0	7
170	Local modes of thin magnetic films. <i>Physical Review B</i> , 2000, 62, 8650-8653.	1.1	7
171	Characterization of Exchange-Biased CoFe/(Co,Fe)O Thin Films by Magnetometry and Ferromagnetic Resonance Techniques. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 1614-1618.	1.2	7
172	Specular and off-specular polarized neutron reflectometry of canted magnetic domains in loose spin coupled CuMn/Co multilayers. <i>Physical Review B</i> , 2012, 85, .	1.1	7
173	Focusing of magnetoplasmon polaritons. <i>Physical Review B</i> , 1985, 31, 4924-4928.	1.1	6
174	Effects of interfaces on magnetic properties of Co-based multilayers. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1994, 70, 767-772.	0.6	6
175	Controlled phase shifts in interlayer magnetic coupling with the doping of the magnetic layer. <i>Europhysics Letters</i> , 1997, 39, 213-218.	0.7	6
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