

Christopher H Marrows

List of Publications by Year in descending order

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259
papers

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70961

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76769

74
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267
all docs

267
docs citations

267
times ranked

6357
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchange bias using a spin glass. <i>Nature Materials</i> , 2007, 6, 70-75.	13.3	369
2	Measuring and tailoring the Dzyaloshinskii-Moriya interaction in perpendicularly magnetized thin films. <i>Physical Review B</i> , 2014, 90, .	1.1	351
3	Thermal ground-state ordering and elementary excitations in artificial magnetic square ice. <i>Nature Physics</i> , 2011, 7, 75-79.	6.5	297
4	The 2017 Magnetism Roadmap. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 363001.	1.3	279
5	Advances in artificial spin ice. <i>Nature Reviews Physics</i> , 2020, 2, 13-28.	11.9	224
6	Spin-polarised currents and magnetic domain walls. <i>Advances in Physics</i> , 2005, 54, 585-713.	35.9	200
7	Antiferromagnetic layer thickness dependence of the IrMn/Co exchange-bias system. <i>Physical Review B</i> , 2003, 68, .	1.1	190
8	Magnetoresistance of a two-dimensional electron gas due to a single magnetic barrier and its use for nanomagnetometry. <i>Applied Physics Letters</i> , 1999, 74, 2507-2509.	1.5	183
9	Superconductor-ferromagnet/CuNi ^{1-x} Nb ^x CuN trilayers as superconducting spin-valve core structures. <i>Physical Review B</i> , 2005, 71, .	1.1	119
10	Magnetic microscopy and topological stability of homochiral Néel domain walls in a Pt/Co/AlO _x trilayer. <i>Nature Communications</i> , 2015, 6, 8957.	5.8	117
11	Ferromagnetism at the interfaces of antiferromagnetic FeRh epilayers. <i>Physical Review B</i> , 2010, 82, .	1.1	114
12	Origin of in-plane uniaxial magnetic anisotropy in CoFeB amorphous ferromagnetic thin films. <i>Physical Review B</i> , 2011, 83, .	1.1	100
13	Coupled magnetic, structural, and electronic phase transitions in FeRh. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 323002.	1.3	99
14	Effect of interfacial intermixing on the Dzyaloshinskii-Moriya interaction in Pt/Co/Pt. <i>Physical Review B</i> , 2017, 95, .	1.1	97
15	Onset of exchange bias in ultrathin antiferromagnetic layers. <i>Physical Review B</i> , 2003, 67, .	1.1	95
16	Diameter-independent skyrmion Hall angle observed in chiral magnetic multilayers. <i>Nature Communications</i> , 2020, 11, 428.	5.8	89
17	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
18	Spin-Orbit Strength Driven Crossover between Intrinsic and Extrinsic Mechanisms of the Anomalous Hall Effect in the Epitaxial $L_{1-x}M_xO_3$ -Ordered Ferromagnets FePd and FePt. <i>Physical Review Letters</i> , 2010, 104, 076402.	2.9	86

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19	Discrete Hall resistivity contribution from Néel skyrmions in multilayer nanodiscs. Nature Nanotechnology, 2018, 13, 1161-1166.	15.6	81
20	Role of B diffusion in the interfacial Dzyaloshinskii-Moriya interaction in TaMgO multilayers. Physical Review Letters, 2010, 104, 137205.	1.1	78
21	Spin-transfer torque-assisted domain-wall creep in a CoPt multilayer wire. Physical Review Letters, 2010, 104, 137205.	2.9	75
22	Scattering mechanisms in textured FeGe thin films: Magnetoresistance and the anomalous Hall effect. Physical Review B, 2014, 90, .	1.1	65
23	Quantification of Magnetic Domain Disorder and Correlations in Antiferromagnetically Coupled Multilayers by Neutron Reflectometry. Physical Review Letters, 2000, 85, 4964-4967.	2.9	63
24	Frustration and thermalization in an artificial magnetic quasicrystal. Nature Physics, 2018, 14, 309-314.	6.5	62
25	Dynamics of skyrmionic states in confined helimagnetic nanostructures. Physical Review B, 2017, 95, .	1.1	61
26	Pinning and hysteresis in the field dependent diameter evolution of skyrmions in Pt/Co/Ir superlattice stacks. Scientific Reports, 2017, 7, 15125.	1.6	61
27	Dependence of Domain-Wall Depinning Threshold Current on Pinning Profile. Physical Review Letters, 2009, 102, 127203.	2.9	60
28	Hall-effect characterization of the metamagnetic transition in FeRh. New Journal of Physics, 2013, 15, 013008.	1.2	59
29	Domain-wall motion and interfacial Dzyaloshinskii-Moriya interactions in PtCo multilayers. Physical Review B, 2019, 99, .	1.1	60
30	Deterministic Field-Free Skyrmion Nucleation at a Nanoengineered Injector Device. Nano Letters, 2019, 19, 7246-7255.	4.5	56
31	Temperature dependence of large positive magnetoresistance in hybrid ferromagnetic/semiconductor devices. Applied Physics Letters, 1998, 72, 1724-1726.	1.5	55
32	Interface Induced Uniaxial Magnetic Anisotropy in Amorphous CoFeB Films on AlGaAs(001). Physical Review Letters, 2008, 100, 117201.	2.9	54
33	Helical magnetic structure and the anomalous and topological Hall effects in epitaxial B20 FeCo films. Physical Review B, 2018, 97, .	1.1	50
34	Three-dimensional exchange bias in Co/Pd/N/FeMn . Physical Review B, 2003, 68, .	1.1	49
35	Structural evidence for stabilized ferromagnetism in epitaxial FeRh nanoislands. Journal Physics D: Applied Physics, 2013, 46, 162002.	1.3	49
36	Spin-orbit torque-driven magnetization switching and thermal effects studied in TaCoFeBMgO nanowires. Applied Physics Letters, 2014, 105, .	1.5	49

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37	Exchange Bias and Blocking Temperature in Co/FeMn/CuNi Trilayers. <i>Physical Review Letters</i> , 2007, 98, 217202.	2.9	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	Addressing an antiferromagnetic memory. <i>Science</i> , 2016, 351, 558-559.	6.0	45
40	Giant magnetoresistance and oscillatory exchange coupling in disordered Co/Cu multilayers. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 81-88.	0.7	43
41	Soft-x-ray resonant magnetic diffuse scattering from strongly coupled Cu/Co multilayers. <i>Physical Review B</i> , 2000, 61, R3792-R3795.	1.1	42
42	Magnetic reversal of an artificial square ice: dipolar correlation and charge ordering. <i>New Journal of Physics</i> , 2011, 13, 105002.	1.2	42
43	Effect of annealing on the interfacial Dzyaloshinskii-Moriya interaction in Ta/CoFeB/MgO trilayers. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	41
44	Fe diffusion, oxidation, and reduction at the CoFeB/MgO interface studied by soft x-ray absorption spectroscopy and magnetic circular dichroism. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	40
45	Real and effective thermal equilibrium in artificial square spin ices. <i>Physical Review B</i> , 2013, 87, .	1.1	40
46	Magnetoresistance oscillations due to internal Landau band structure of a two-dimensional electron system in a periodic magnetic field. <i>Physical Review B</i> , 2001, 64, .	1.1	38
47	Weak magnetic moment on IrMn exchange bias pinning layers. <i>Applied Physics Letters</i> , 2001, 79, 985-987.	1.5	38
48	Spin Mixing and Spin-Current Asymmetry Measured by Domain Wall Magnetoresistance. <i>Physical Review Letters</i> , 2004, 92, 097206.	2.9	38
49	Experimental determination of spin-transfer torque nonadiabaticity parameter and spin polarization in permalloy. <i>Physical Review B</i> , 2009, 79, .	1.1	38
50	A transmission electron microscope study of Néel skyrmion magnetic textures in multilayer thin film systems with large interfacial chiral interaction. <i>Scientific Reports</i> , 2018, 8, 5703.	1.6	38
51	Competing Symmetries and Broken Bonds in Superconducting Vortex-Antivortex Molecular Crystals. <i>Physical Review Letters</i> , 2007, 99, 127001.	2.9	37
52	Contactless magnetoresistance studies of Co ²⁺ /Cu multilayers using the infrared magnetorefractive effect. <i>Physical Review B</i> , 2004, 70, .	1.1	36
53	Bulk and near-surface magnetic properties of FeRh thin films. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	36
54	Controlled enhancement or suppression of exchange biasing using impurity \hat{I} layers. <i>Physical Review B</i> , 2008, 77, .	1.1	36

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55	Domain-wall pinning, nonadiabatic spin-transfer torque, and spin-current polarization in permalloy wires doped with vanadium. <i>Physical Review B</i> , 2010, 81, .	1.1	36
56	Skyrmions in thin films with easy-plane magnetocrystalline anisotropy. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	35
57	Spin-orbit interaction enhancement in permalloy thin films by Pt doping. <i>Physical Review B</i> , 2016, 93, .	1.1	35
58	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
59	Magnetoresistance and Hall magnetometry of single submicron ferromagnetic structures. <i>Journal of Applied Physics</i> , 2000, 87, 5986-5988.	1.1	33
60	Angular Dependence of Domain Wall Resistivity in Artificial Magnetic Domain Structures. <i>Physical Review Letters</i> , 2006, 97, 206602.	2.9	33
61	New directions in spintronics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 3027-3036.	1.6	32
62	Temperature controlled motion of an antiferromagnet-ferromagnet interface within a dopant-graded FeRh epilayer. <i>APL Materials</i> , 2015, 3, .	2.2	31
63	Perspective on skyrmion spintronics. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	31
64	Conductance features in point contact Andreev reflection spectra. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 095701.	0.7	30
65	Spintronics and functional materials. <i>Materials Today</i> , 2009, 12, 70-77.	8.3	30
66	Linear magnetoresistance in n-type silicon due to doping density fluctuations. <i>Scientific Reports</i> , 2012, 2, 565.	1.6	30
67	Exchange Bias in Spin-Engineered Double Superlattices. <i>Physical Review Letters</i> , 2002, 89, 077201.	2.9	29
68	Observation of a temperature dependent asymmetry in the domain structure of a Pd-doped FeRh epilayer. <i>New Journal of Physics</i> , 2014, 16, 113073.	1.2	29
69	Synthetic ferrimagnet nanowires with very low critical current density for coupled domain wall motion. <i>Scientific Reports</i> , 2017, 7, 1640.	1.6	28
70	Bilinear and biquadratic interlayer exchange coupling in sputtered Co/Cu multilayers damaged with residual gas impurities. <i>Physical Review B</i> , 1999, 59, 463-467.	1.1	27
71	Domain-wall spin-torque resonators for frequency-selective operation. <i>Physical Review B</i> , 2010, 81, .	1.1	27
72	Controlled Individual Skyrmion Nucleation at Artificial Defects Formed by Ion Irradiation. <i>Small</i> , 2020, 16, e1907450.	5.2	27

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73	Surface influenced magnetostructural transition in FeRh films. Applied Physics Letters, 2009, 95, 2225-2231.	1.5	26
74	Manipulation of the spin helix in FeGe thin films and FeGe/Fe multilayers. Physical Review B, 2015, 92, .	1.1	26
75	Variable wavelength grazing incidence x-ray reflectivity measurements of structural changes on annealing Cu/NiFe multilayers. Physical Review B, 2001, 64, .	1.1	25
76	Artificial domain structures realized by local gallium focused ion-beam modification of Pt/Co/Pt trilayer transport structure. Journal of Applied Physics, 2005, 98, 124102.	1.1	25
77	Brillouin light scattering study of magnetic-element normal modes in a square artificial spin ice geometry. Journal Physics D: Applied Physics, 2017, 50, 015003.	1.3	25
78	Superferromagnetism and Domain-Wall Topologies in Artificial "Pinwheel" Spin Ice. ACS Nano, 2019, 13, 2213-2222.	7.3	25
79	Nanoconstriction microscopy of the giant magnetoresistance in cobalt/copper spin valves. Applied Physics Letters, 1999, 75, 3677-3679.	1.5	24
80	Superconducting transition in Nb nanowires fabricated using focused ion beam. Nanotechnology, 2009, 20, 465302.	1.3	24
81	Strain-tuning of the magnetocaloric transition temperature in model FeRh films. Journal Physics D: Applied Physics, 2018, 51, 024003.	1.3	24
82	Exchange anisotropy pinning of a standing spin-wave mode. Physical Review B, 2011, 83, .	1.1	23
83	Magnetoresistance in polycrystalline and epitaxial Fe _{1-x} Co _x Si thin films. Physical Review B, 2012, 86, .	1.1	23
84	Asymmetric "melting" and "freezing" kinetics of the magnetostructural phase transition in B2-ordered FeRh epilayers. Applied Physics Letters, 2014, 104, .	1.5	23
85	Quantitative TEM imaging of the magnetostructural and phase transitions in FeRh thin film systems. Scientific Reports, 2017, 7, 17835.	1.6	23
86	Multilevel Resistance Switching and Enhanced Spin Transition Temperature in Single- and Double-Molecule Spin Crossover Nanogap Devices. Journal of Physical Chemistry C, 2020, 124, 13393-13399.	1.5	23
87	Impurity scattering from $\hat{\Gamma}$ -layers in giant magnetoresistance systems. Physical Review B, 2001, 63, .	1.1	22
88	Magnetic properties and field-driven dynamics of chiral domain walls in epitaxial Pt/Co/Pt trilayers. Physical Review B, 2018, 98, .	1.1	22
89	Magnetic domain texture and the Dzyaloshinskii-Moriya interaction in Pt/Co/IrMn and Pt/Co/FeMn thin films with perpendicular exchange bias. Physical Review B, 2018, 98, .	1.1	22
90	Using PCAR to study Cu/Co bilayers. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1471-E1473.	1.0	21

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91	Tailoring the FeRh magnetostructural response with Au diffusion. Journal of Applied Physics, 2012, 112, .	1.1	21
92	Focus on artificial frustrated systems. New Journal of Physics, 2014, 16, 075016.	1.2	21
93	Strain-induced effects on the magnetic and electronic properties of epitaxial $\text{Fe}/\text{Co}/\text{Mn}/\text{MgO}/\text{MgO}/\text{Fe}/\text{Mn}/\text{MgO}$ thin films. Physical Review B, 2014, 89, .	1.1	21
94	Single electron spintronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3150-3174.	1.6	20
95	Damage caused to interlayer coupling of magnetic multilayers by residual gases. Physical Review B, 2000, 61, 4131-4140.	1.1	19
96	Structural and functional analysis of nanopillar spin electronic devices fabricated by 3D focused ion beam lithography. Nanotechnology, 2008, 19, 485305.	1.3	19
97	Nonlinear Giant Magnetoresistance in Dual Spin Valves. Physical Review Letters, 2009, 103, 237203.	2.9	19
98	Zirconium as a Boron Sink in Crystalline CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. Applied Physics Express, 2011, 4, 013002.	1.1	19
99	Competition between cotunneling, Kondo effect, and direct tunneling in discontinuous high-anisotropy magnetic tunnel junctions. Physical Review B, 2012, 85, .	1.1	19
100	Evidence for boron diffusion into sub-stoichiometric MgO (001) barriers in CoFeB/MgO-based magnetic tunnel junctions. Journal of Applied Physics, 2013, 113, 163502.	1.1	19
101	Linear field demagnetization of artificial magnetic square ice. Frontiers in Physics, 2013, 1, .	1.0	19
102	Thickness dependence of spin wave excitations in an artificial square spin ice-like geometry. Journal of Applied Physics, 2017, 121, .	1.1	19
103	Inverse giant magnetoresistance at room temperature in antiparallel biased spin valves and application to bridge sensors. Applied Physics Letters, 1999, 75, 3847-3849.	1.5	18
104	The relationship between interface structure, conformality and perpendicular anisotropy in CoPd multilayers. Journal of Physics Condensed Matter, 2005, 17, 3759-3770.	0.7	18
105	Diffusive and ballistic current spin polarization in magnetron-sputtered epitaxial FePt. Physical Review B, 2007, 76, .	1.1	18
106	Probing residual strain in epitaxial graphene layers on 4H-SiC(0001) with Raman spectroscopy. Applied Physics Letters, 2011, 98, 051910.	1.5	18
107	Argon annealing procedure for producing an atomically terraced 4H-SiC (0001) substrate and subsequent graphene growth. Journal of Materials Research, 2013, 28, 1-6.	1.2	18
108	Current-driven dynamics of coupled domain walls in a synthetic antiferromagnet. Physical Review B, 2014, 90, .	1.1	18

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109	Thermally and field-driven mobility of emergent magnetic charges in square artificial spin ice. <i>Scientific Reports</i> , 2019, 9, 15989.	1.6	18
110	Effects of impurity atoms on sputtered GMR multilayers. <i>IEEE Transactions on Magnetics</i> , 1997, 33, 3673-3675.	1.2	17
111	Giant magnetoresistance of magnetic multilayer point contacts. <i>Physical Review B</i> , 1999, 60, 10291-10301.	1.1	16
112	Soft x-ray magnetic scattering evidence for biquadratic coupling in Co/Cu multilayers. <i>Physical Review B</i> , 2000, 61, 15331-15337.	1.1	16
113	Current-induced magnetization switching in a microscale ring-shaped magnetic tunnel junction. <i>Physical Review B</i> , 2008, 77, .	1.1	16
114	Cotunneling enhancement of magnetoresistance in double magnetic tunnel junctions with embedded superparamagnetic NiFe nanoparticles. <i>Physical Review B</i> , 2010, 82, .	1.1	16
115	Optimization of Co/Pt multilayers for applications of current-driven domain wall propagation. <i>Journal of Applied Physics</i> , 2011, 110, 083913.	1.1	16
116	Canted exchange bias in antiparallel biased spin valves. <i>Journal of Applied Physics</i> , 2000, 87, 5058-5060.	1.1	15
117	Soft x-ray resonant magnetic scattering from an imprinted magnetic domain pattern. <i>Applied Physics Letters</i> , 2006, 89, 092507.	1.5	15
118	Controlled magnetic roughness in a multilayer that has been patterned using a nanosphere array. <i>Physical Review B</i> , 2006, 74, .	1.1	15
119	Spin-transfer torque efficiency measured using a Permalloy nanobridge. <i>Applied Physics Letters</i> , 2010, 97, 202505.	1.5	15
120	Sputter Growth and Characterization of Metamagnetic B2-ordered FeRh Epilayers. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	15
121	Tuning spin-orbit torques at magnetic domain walls in epitaxial Pt/Co/Pt ₁ Au ₁ trilayers. <i>Nanotechnology</i> , 2019, 30, 234003.	1.3	15
122	Scaling of the exchange interactions in Co/Cu multilayers with temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 184, 137-144.	1.0	14
123	Magnetic force microscopy studies of the domain structure of Co/Pd multilayers in a magnetic field. <i>Journal of Applied Physics</i> , 2001, 89, 7534-7536.	1.1	14
124	Mapping domain disorder in exchange-biased magnetic multilayers. <i>Physical Review B</i> , 2002, 66, .	1.1	14
125	Coexistence and Coupling of Superconductivity and Magnetism in Thin Film Structures. <i>Physical Review Letters</i> , 2005, 95, 197201.	2.9	14
126	Spin-dependent scattering and the spin polarization of a diffusive current in partly disordered L1 ₀ epitaxial FePd. <i>New Journal of Physics</i> , 2010, 12, 033033.	1.2	14

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127	Influence of deposition field on the magnetic anisotropy in epitaxial $\text{Co}/\text{GaAs}(001)$. Physical Review B, 2010, 81, .	1.1	14
128	Inverse giant magnetoresistance in rare-earth/transition metal multilayers. Europhysics Letters, 2000, 49, 528-533.	0.7	13
129	Probing the annular electronic shell structure of a magnetic corral. Physical Review B, 2004, 69, .	1.1	13
130	Reduction of Threshold Current for Domain Wall Depinning Using Gd Doping of Permalloy. Applied Physics Express, 2010, 3, 083002.	1.1	13
131	Engineering Magnetic Domain-Wall Structure in Permalloy Nanowires. Physical Review Applied, 2015, 3, .	1.5	13
132	Spin-orbit interaction in InAs/GaSb heterostructures quantified by weak antilocalization. Physical Review B, 2017, 95, .	1.1	13
133	Effect of FePd alloy composition on the dynamics of artificial spin ice. Scientific Reports, 2018, 8, 4750.	1.6	13
134	Dynamic Imaging of the Delay- and Tilt-Free Motion of Néel Domain Walls in Perpendicularly Magnetized Superlattices. Nano Letters, 2019, 19, 375-380.	4.5	13
135	Antiferromagnetic-ferromagnetic phase domain development in nanopatterned FeRh islands. Physical Review Materials, 2018, 2, .	0.9	13
136	Longitudinal and Hall resistance induced by large-amplitude magnetic barriers. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 755-758.	1.3	12
137	Dependence of magnetoresistance on dopant density in phosphorous doped silicon. Journal of Applied Physics, 2011, 109, 07C703.	1.1	12
138	Magnetic hysteresis of an artificial square ice studied by in-plane Bragg x-ray resonant magnetic scattering. AIP Advances, 2012, 2, 022163.	0.6	12
139	Switching between Magnetic Bloch and Néel Domain Walls with Anisotropy Modulations. Physical Review Letters, 2021, 127, 127203.	2.9	12
140	Angular dependence of characteristic fields in spin-valves. Sensors and Actuators A: Physical, 2000, 81, 49-52.	2.0	11
141	Characterization of spin valves fabricated on opaque substrates by optical ferromagnetic resonance. Applied Physics Letters, 2002, 81, 1468-1470.	1.5	11
142	Nucleation and propagation of domains walls in a Co/Pt multilayer wire. Journal of Applied Physics, 2007, 101, 09F508.	1.1	11
143	Effect of substrate temperature on the magnetic properties of epitaxial sputter-grown Co/Pt . Applied Physics Letters, 2013, 103, .	1.5	11
144	Preparation of high-quality planar FeRh thin films for <i>in situ</i> TEM investigations. Journal of Physics: Conference Series, 2017, 903, 012022.	0.3	11

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145	Heisenberg pseudo-exchange and emergent anisotropies in field-driven pinwheel artificial spin ice. <i>Physical Review B</i> , 2019, 100, .	1.1	11
146	Determination of the copper layer thickness in spin valves by grazing incidence X-ray fluorescence. <i>IEEE Transactions on Magnetics</i> , 1998, 34, 831-833.	1.2	10
147	A neutron study of magnetic domain correlations in antiferromagnetically coupled multilayers. <i>Journal of Applied Physics</i> , 2000, 87, 5750-5752.	1.1	10
148	Tunneling magnetoresistance spectroscopy: Temperature dependent spin-polarized band structure in Cu ₃₈ Ni ₆₂ . <i>Physical Review B</i> , 2005, 72, .	1.1	10
149	Using spin-polarized neutron reflectivity to probe mesoscopic vortex states in a Pb thin-film superconductor. <i>Physical Review B</i> , 2009, 80, .	1.1	10
150	TEM investigation of MgO thin films for magnetic tunnel junction application. <i>Journal of Physics: Conference Series</i> , 2010, 241, 012039.	0.3	10
151	Tuning of current-induced domain wall resonance frequency using Gd doping. <i>Applied Physics Letters</i> , 2010, 97, 072507.	1.5	10
152	Spin polarization and exchange coupling of Cu and Mn atoms in paramagnetic CuMn diluted alloys induced by a Co layer. <i>Physical Review B</i> , 2010, 82, .	1.1	10
153	Double spin resonance in a spatially periodic magnetic field with zero average. <i>Europhysics Letters</i> , 2011, 94, 28001.	0.7	10
154	Surface morphology and transport studies of epitaxial graphene on SiC(0001̄). <i>Physical Review B</i> , 2011, 83, .	1.1	10
155	Direct visualization of the magnetostructural phase transition in nanoscale FeRh thin films using differential phase contrast imaging. <i>Physical Review Materials</i> , 2020, 4, .	0.9	10
156	Electrical transport of 2D electrons in non-uniform magnetic fields. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 11, 171-176.	1.3	9
157	Probing magnetic ordering in multilayers using soft x-ray resonant magnetic scattering. <i>Physical Review B</i> , 2005, 72, .	1.1	9
158	Investigation of artificial domains realized by local gallium focused ion-beam modification of Pt/Co/Pt trilayer structures. <i>Journal of Applied Physics</i> , 2006, 99, 08C504.	1.1	9
159	Structural and magnetic properties of magnetron sputtered Co ₇₀ Fe ₃₀ films on GaAs(110). <i>Journal of Applied Physics</i> , 2009, 105, 073907.	1.1	9
160	The effect of conformal roughness on spin-valves. <i>Journal Physics D: Applied Physics</i> , 1999, 32, 1169-1174.	1.3	8
161	Transport properties of a two-dimensional electron gas due to a spatially random magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000, 6, 751-754.	1.3	8
162	Changes in the layer roughness and crystallography during the annealing of CoFeB/MgO/CoFeB magnetic tunnel junctions. <i>Journal of Applied Physics</i> , 2009, 105, 063904.	1.1	8

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163	Magnetostructural influences of thin Mg insert layers in crystalline CoFe(B)/MgO/CoFe(B) magnetic tunnel junctions. Applied Physics Letters, 2010, 97, .	1.5	8
164	Formation of Magnetic Structure by Domain Wall Confinement in Nanoconstriction. IEEE Transactions on Magnetics, 2011, 47, 2511-2514.	1.2	8
165	Asymmetric magnetic relaxation behavior of domains and domain walls observed through the FeRh first-order metamagnetic phase transition. Physical Review B, 2020, 102, .	1.1	8
166	Collective skyrmion motion under the influence of an additional interfacial spin-transfer torque. Scientific Reports, 2022, 12, .	1.6	8
167	Determination of equilibrium coupling angles in magnetic multilayers by polarized neutron reflectometry. Physical Review B, 2000, 62, 11340-11343.	1.1	7
168	Giant magnetoresistance induced by magnetic barriers. IEEE Transactions on Magnetics, 2001, 37, 1992-1994.	1.2	7
169	Finite-size effects in giant magnetoresistance multilayers. Journal of Applied Physics, 2001, 89, 7116-7117.	1.1	7
170	Anisotropic magnetoresistance in a two-dimensional electron gas in a quasirandom magnetic field. Physical Review B, 2004, 70, .	1.1	7
171	Layer-sequence dependence of transport and superconducting properties of Nb/Pd bilayers. Physical Review B, 2007, 76, .	1.1	7
172	Controlled domain wall nucleation and resulting magnetoresistance in Ni ₈₁ Fe ₁₉ nanoconstrictions. Journal of Applied Physics, 2008, 103, .	1.1	7
173	Co/Pt Hall sensors for low field detection. Procedia Chemistry, 2009, 1, 851-854.	0.7	7
174	Magnetism and magnetotransport in sputtered Co-doped FeSi films. Physica Status Solidi - Rapid Research Letters, 2011, 5, 429-431.	1.2	7
175	Domain wall dynamics in nanostructures. Journal of Physics Condensed Matter, 2012, 24, 020301.	0.7	7
176	Single-electron spin interplay for characterization of magnetic double tunnel junctions. Physical Review B, 2013, 88, .	1.1	7
177	Long spin lifetime and large barrier polarisation in single electron transport through a CoFe nanoparticle. Scientific Reports, 2016, 6, 28296.	1.6	7
178	The transport of 2D electrons through magnetic barriers. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 997-1000.	1.3	6
179	Local probing of the giant magnetoresistance. Applied Physics Letters, 2000, 77, 2370-2372.	1.5	6
180	Tunneling spin polarization in magnetic tunnel junctions near the Curie temperature. Physical Review B, 2005, 72, .	1.1	6

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