

Christopher H Marrows

List of Publications by Year in descending order

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259
papers

7,249
citations

70961

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267
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docs citations

267
times ranked

6357
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetoelastic resonance as a probe for exchange springs at antiferromagnet-ferromagnet interfaces. <i>Physical Review B</i> , 2022, 105, .	1.1	3
2	Collective skyrmion motion under the influence of an additional interfacial spin-transfer torque. <i>Scientific Reports</i> , 2022, 12, .	1.6	8
3	Artificially Engineered Magnetic Materials. , 2021, , 1-34.		1
4	Phase domain boundary motion and memristance in gradient-doped FeRh nanopillars induced by spin injection. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	6
5	The 65th annual conference on magnetism and magnetic materials. <i>AIP Advances</i> , 2021, 11, 050401.	0.6	0
6	Mesoscopic magnetic systems: From fundamental properties to devices. <i>Applied Physics Letters</i> , 2021, 119, 080401.	1.5	4
7	Silicon goes heavyweight. <i>Nature Materials</i> , 2021, 20, 1177-1178.	13.3	2
8	Switching between Magnetic Bloch and Néel Domain Walls with Anisotropy Modulations. <i>Physical Review Letters</i> , 2021, 127, 127203.	2.9	12
9	Experimental Studies of Artificial Spin Ice. <i>Springer Series in Solid-state Sciences</i> , 2021, , 455-478.	0.3	0
10	Scaling of Dzyaloshinskii-Moriya interaction with magnetization in Pt/Co(Fe)B/Ir multilayers. <i>Physical Review B</i> , 2021, 104, .	1.1	3
11	Artificially Engineered Magnetic Materials. , 2021, , 1047-1080.		0
12	Perspective on skyrmion spintronics. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	31
13	Advances in artificial spin ice. <i>Nature Reviews Physics</i> , 2020, 2, 13-28.	11.9	224
14	Scattering in InAs/GaSb coupled quantum wells as a probe of higher order subband hybridization. <i>Physical Review B</i> , 2020, 102, .	1.1	0
15	Asymmetric magnetic relaxation behavior of domains and domain walls observed through the FeRh first-order metamagnetic phase transition. <i>Physical Review B</i> , 2020, 102, .	1.1	8
16	Time-resolved visualization of the magnetization canting induced by field-like spin-orbit torques. <i>Applied Physics Letters</i> , 2020, 117, 212404.	1.5	4
17	Current-induced dynamical tilting of chiral domain walls in curved microwires. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	3
18	Multilevel Resistance Switching and Enhanced Spin Transition Temperature in Single- and Double-Molecule Spin Crossover Nanogap Devices. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13393-13399.	1.5	23

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19	Controlled Individual Skyrmion Nucleation at Artificial Defects Formed by Ion Irradiation. <i>Small</i> , 2020, 16, e1907450.	5.2	27
20	Phase stability of Fe-5at%Cr and Fe-10at%Cr films under Fe ⁺ ion irradiation. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 185702.	0.7	3
21	Diameter-independent skyrmion Hall angle observed in chiral magnetic multilayers. <i>Nature Communications</i> , 2020, 11, 428.	5.8	89
22	Phase boundary exchange coupling in the mixed magnetic phase regime of a Pd-doped FeRh epilayer. <i>Physical Review Materials</i> , 2020, 4, .	0.9	6
23	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
24	Sputter-engineering a first-order magnetic phase transition in sub-15-nm-thick single-crystal FeRh films. <i>Physical Review Materials</i> , 2020, 4, .	0.9	4
25	Heisenberg pseudo-exchange and emergent anisotropies in field-driven pinwheel artificial spin ice. <i>Physical Review B</i> , 2019, 100, .	1.1	11
26	Differential Phase Contrast Imaging of the Magnetostructural Transition and Phase Boundary Motion in Uniform and Gradient-doped FeRh-based Thin Films. <i>Microscopy and Microanalysis</i> , 2019, 25, 1836-1837.	0.2	0
27	Deterministic Field-Free Skyrmion Nucleation at a Nanoengineered Injector Device. <i>Nano Letters</i> , 2019, 19, 7246-7255.	4.5	56
28	Domain-wall motion and interfacial Dzyaloshinskii-Moriya interactions in Pt/Co/Pt multilayers. <i>Physical Review B</i> , 2019, 99, .	1.1	69
29	Tuning spin-orbit torques at magnetic domain walls in epitaxial Pt/Co/Pt/Au trilayers. <i>Nanotechnology</i> , 2019, 30, 234003.	1.3	15
30	Magnetization dynamics of weakly interacting sub-100-nm square artificial spin ices. <i>Scientific Reports</i> , 2019, 9, 19967.	1.6	6
31	Thermally and field-driven mobility of emergent magnetic charges in square artificial spin ice. <i>Scientific Reports</i> , 2019, 9, 15989.	1.6	18
32	Superferromagnetism and Domain-Wall Topologies in Artificial Pinwheel Spin Ice. <i>ACS Nano</i> , 2019, 13, 2213-2222.	7.3	25
33	Dynamic Imaging of the Delay- and Tilt-Free Motion of Néel Domain Walls in Perpendicularly Magnetized Superlattices. <i>Nano Letters</i> , 2019, 19, 375-380.	4.5	13
34	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
35	Effect of FePd alloy composition on the dynamics of artificial spin ice. <i>Scientific Reports</i> , 2018, 8, 4750.	1.6	13
36	Strain-tuning of the magnetocaloric transition temperature in model FeRh films. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 024003.	1.3	24

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37	Frustration and thermalization in an artificial magnetic quasicrystal. Nature Physics, 2018, 14, 309-314.	6.5	62
38	Magnetization Dynamics of weakly Interacting sub-100 nm Square Artificial Spin Ices. , 2018, , .		0
39	Magnetic properties and field-driven dynamics of chiral domain walls in epitaxial $\text{Pt}/\text{Co}/\text{Fe}/\text{Pt}$ trilayers. Physical Review B, 2018, 98, .		
40	Discrete Hall resistivity contribution from Néel skyrmions in multilayer nanodiscs. Nature Nanotechnology, 2018, 13, 1161-1166.	15.6	81
41	Magneto-thermodynamic Properties and Anomalous Magnetic Phase Transition in FeRh Nanowires. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	1
42	Deconvolution of Rashba and Dresselhaus spin-orbit coupling by crystal axis dependent measurements of coupled InAs/GaSb quantum wells. Physical Review B, 2018, 98, .	1.1	4
43	Quantitative Differential Phase Contrast Imaging of the Magnetostructural Transition and Current-driven Motion of Domain Walls in FeRh Thin Films. Microscopy and Microanalysis, 2018, 24, 936-937.	0.2	3
44	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
45	Helical magnetic structure and the anomalous and topological Hall effects in epitaxial B_{20} $\text{Pt}/\text{Co}/\text{Fe}/\text{Pt}$ films. Physical Review B, 2018, 97, .		
46	Antiferromagnetic-ferromagnetic phase domain development in nanopatterned FeRh islands. Physical Review Materials, 2018, 2, .	0.9	13
47	Dynamics of skyrmionic states in confined helimagnetic nanostructures. Physical Review B, 2017, 95, .	1.1	61
48	Effect of interfacial intermixing on the Dzyaloshinskii-Moriya interaction in Pt/Co/Pt. Physical Review B, 2017, 95, .	1.1	97
49	Thickness dependence of spin wave excitations in an artificial square spin ice-like geometry. Journal of Applied Physics, 2017, 121, .	1.1	19
50	Vogel-Fulcher-Tammann freezing of a thermally fluctuating artificial spin ice probed by x-ray photon correlation spectroscopy. Physical Review B, 2017, 95, .	1.1	35
51	The 2017 Magnetism Roadmap. Journal Physics D: Applied Physics, 2017, 50, 363001.	1.3	279
52	Partial hybridisation of electron-hole states in an InAs/GaSb double quantum well heterostructure. Semiconductor Science and Technology, 2017, 32, 104002.	1.0	3
53	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
54	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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55	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
56	Synthetic ferrimagnet nanowires with very low critical current density for coupled domain wall motion. Scientific Reports, 2017, 7, 1640.	1.6	28
57	Spin-orbit interaction in InAs/GaSb heterostructures quantified by weak antilocalization. Physical Review B, 2017, 95, .	1.1	13
58	Quantitative TEM imaging of the magnetostructural and phase transitions in FeRh thin film systems. Scientific Reports, 2017, 7, 17835.	1.6	23
59	Long spin lifetime and large barrier polarisation in single electron transport through a CoFe nanoparticle. Scientific Reports, 2016, 6, 28296.	1.6	7
60	Effect of annealing on the interfacial Dzyaloshinskii-Moriya interaction in Ta/CoFeB/MgO trilayers. Applied Physics Letters, 2016, 109, .	1.5	41
61	Skyrmions in thin films with easy-plane magnetocrystalline anisotropy. Applied Physics Letters, 2016, 108, .	1.5	35
62	Observation of spin-wave Doppler shift in Co90Fe10/Ru micro-strips for evaluating spin polarization. Applied Physics Letters, 2016, 109, 112405.	1.5	2
63	Spin-orbit interaction enhancement in permalloy thin films by Pt doping. Physical Review B, 2016, 93, .	1.1	35
64	Coupled magnetic, structural, and electronic phase transitions in FeRh. Journal Physics D: Applied Physics, 2016, 49, 323002.	1.3	99
65	Addressing an antiferromagnetic memory. Science, 2016, 351, 558-559.	6.0	45
66	Manipulation of the spin helix in FeGe thin films and FeGe/Fe multilayers. Physical Review B, 2015, 92, .	1.1	26
67	Temperature controlled motion of an antiferromagnet-ferromagnet interface within a dopant-graded FeRh epilayer. APL Materials, 2015, 3, .	2.2	31
68	Ensemble magnetic behavior of interacting CoFe nanoparticles. Frontiers in Physics, 2015, 3, .	1.0	4
69	Spin orbit torque switching in Ta/CoFeB/MgO without longitudinal fields. , 2015, , .		0
70	Magnetic microscopy and topological stability of homochiral Néel domain walls in a Pt/Co/AlOx trilayer. Nature Communications, 2015, 6, 8957.	5.8	117
71	Engineering Magnetic Domain-Wall Structure in Permalloy Nanowires. Physical Review Applied, 2015, 3, .	1.5	13
72	Role of B diffusion in the interfacial Dzyaloshinskii-Moriya interaction in $\text{Ta}/\text{Co}/\text{MgO}$ trilayer. Physical Review B, 2015, 91, .	1.1	78

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73	Temperature and magnetic-field driven dynamics in artificial magnetic square ice. , 2015, , .		2
74	Aberration corrected STEM of iron rhodium nanoislands. Journal of Physics: Conference Series, 2014, 522, 012039.	0.3	1
75	Focus on artificial frustrated systems. New Journal of Physics, 2014, 16, 075016.	1.2	21
76	Long-ranged magnetic proximity effects in noble metal-doped cobalt probed with spin-dependent tunnelling. New Journal of Physics, 2014, 16, 043008.	1.2	2
77	Quantum corrections to the conductivity of disordered graphene on SiC $\overline{\Gamma_1}$: weak localization and current-bias dependent electron-electron interactions. New Journal of Physics, 2014, 16, 013024.	1.2	2
78	Strain-induced effects on the magnetic and electronic properties of epitaxial Fe/Co thin films. Physical Review B, 2014, 89, .	1.1	21
79	Spin-orbit torque-driven magnetization switching and thermal effects studied in TaCoFeBMgO nanowires. Applied Physics Letters, 2014, 105, .	1.5	49
80	Observation of a temperature dependent asymmetry in the domain structure of a Pd-doped FeRh epilayer. New Journal of Physics, 2014, 16, 113073.	1.2	29
81	Scattering mechanisms in textured FeGe thin films: Magnetoresistance and the anomalous Hall effect. Physical Review B, 2014, 90, .	1.1	65
82	Asymmetric melting and freezing kinetics of the magnetostructural phase transition in B2-ordered FeRh epilayers. Applied Physics Letters, 2014, 104, .	1.5	23
83	Current-driven dynamics of coupled domain walls in a synthetic antiferromagnet. Physical Review B, 2014, 90, .	1.1	18
84	Measuring and tailoring the Dzyaloshinskii-Moriya interaction in perpendicularly magnetized thin films. Physical Review B, 2014, 90, .	1.1	351
85	Preparation of plan-view Co-doped FeSi thin film TEM specimens using FIB. Journal of Physics: Conference Series, 2014, 522, 012044.	0.3	0
86	Single-electron spin interplay for characterization of magnetic double tunnel junctions. Physical Review B, 2013, 88, .	1.1	7
87	Effect of substrate temperature on the magnetic properties of epitaxial sputter-grown Co/Pt. Applied Physics Letters, 2013, 103, .	1.5	11
88	Structural evidence for stabilized ferromagnetism in epitaxial FeRh nanoislands. Journal Physics D: Applied Physics, 2013, 46, 162002.	1.3	49
89	Current-driven domain wall motion in artificial magnetic domain structures. Journal of the Korean Physical Society, 2013, 62, 1534-1538.	0.3	0
90	The heat is on. Nature Physics, 2013, 9, 324-325.	6.5	6

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91	Evidence for boron diffusion into sub-stoichiometric MgO (001) barriers in CoFeB/MgO-based magnetic tunnel junctions. <i>Journal of Applied Physics</i> , 2013, 113, 163502.	1.1	19
92	Hall-effect characterization of the metamagnetic transition in FeRh. <i>New Journal of Physics</i> , 2013, 15, 013008.	1.2	59
93	Argon annealing procedure for producing an atomically terraced 4H-SiC (0001) substrate and subsequent graphene growth. <i>Journal of Materials Research</i> , 2013, 28, 1-6.	1.2	18
94	Real and effective thermal equilibrium in artificial square spin ices. <i>Physical Review B</i> , 2013, 87, .	1.1	40
95	Sputter Growth and Characterization of Metamagnetic B2-ordered FeRh Epilayers. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	15
96	Linear field demagnetization of artificial magnetic square ice. <i>Frontiers in Physics</i> , 2013, 1, .	1.0	19
97	Domain wall dynamics in nanostructures. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 020301.	0.7	7
98	Linear magnetoresistance in n-type silicon due to doping density fluctuations. <i>Scientific Reports</i> , 2012, 2, 565.	1.6	30
99	Magnetoresistance in polycrystalline and epitaxial Fe _{1-x} Co _x Si thin films. <i>Physical Review B</i> , 2012, 86, .		
100	Domain dynamics and fluctuations in artificial square ice at finite temperatures. <i>New Journal of Physics</i> , 2012, 14, 035014.	1.2	48
101	Magnetic hysteresis of an artificial square ice studied by in-plane Bragg x-ray resonant magnetic scattering. <i>AIP Advances</i> , 2012, 2, 022163.	0.6	12
102	Characterisation of Magnetic FeRh Epilayers. <i>Journal of Physics: Conference Series</i> , 2012, 371, 012031.	0.3	4
103	Tailoring the FeRh magnetostructural response with Au diffusion. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	21
104	The increase of the spin-transfer torque threshold current density in coupled vortex domain walls. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 024210.	0.7	2
105	Stochastic switching asymmetry in magnetoresistive stacks due to adjacent nanowire stray field. <i>Applied Physics Letters</i> , 2012, 101, 262404.	1.5	5
106	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
107	Finite size suppression of the weak field magnetoresistance of lightly phosphorous-doped silicon. <i>Journal of Applied Physics</i> , 2012, 111, 043719.	1.1	4
108	Competition between cotunneling, Kondo effect, and direct tunneling in discontinuous high-anisotropy magnetic tunnel junctions. <i>Physical Review B</i> , 2012, 85, .	1.1	19

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109	Single electron spintronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3150-3174.	1.6	20
110	Origin of in-plane uniaxial magnetic anisotropy in CoFeB amorphous ferromagnetic thin films. Physical Review B, 2011, 83, .	1.1	100
111	Remote domain wall chirality measurement via stray field detection. Journal of Applied Physics, 2011, 110, 123912.	1.1	6
112	Magnetic reversal of an artificial square ice: dipolar correlation and charge ordering. New Journal of Physics, 2011, 13, 105002.	1.2	42
113	New directions in spintronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3027-3036.	1.6	32
114	Zirconium as a Boron Sink in Crystalline CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. Applied Physics Express, 2011, 4, 013002.	1.1	19
115	Dependence of magnetoresistance on dopant density in phosphorous doped silicon. Journal of Applied Physics, 2011, 109, 07C703.	1.1	12
116	Thermal ground-state ordering and elementary excitations in artificial magnetic square ice. Nature Physics, 2011, 7, 75-79.	6.5	297
117	Formation of Magnetic Structure by Domain Wall Confinement in Nanoconstriction. IEEE Transactions on Magnetics, 2011, 47, 2511-2514.	1.2	8
118	Magnetism and magnetotransport in sputtered Co-doped FeSi films. Physica Status Solidi - Rapid Research Letters, 2011, 5, 429-431.	1.2	7
119	Magnetoresistance of Domain Walls in Superconductor/Ferromagnet Hybrid Systems. Journal of Superconductivity and Novel Magnetism, 2011, 24, 911-914.	0.8	2
120	Tracking the evolution of magnetic ordering in Co/Ru multilayers with inhomogeneous interlayer coupling using polarised neutron reflectometry. Physica B: Condensed Matter, 2011, 406, 2689-2696.	1.3	0
121	Double spin resonance in a spatially periodic magnetic field with zero average. Europhysics Letters, 2011, 94, 28001.	0.7	10
122	Probing residual strain in epitaxial graphene layers on 4H-SiC(0001Å ⁻) with Raman spectroscopy. Applied Physics Letters, 2011, 98, 051910.	1.5	18
123	Surface morphology and transport studies of epitaxial graphene on SiC(0001Å ²). Physical Review B, 2011, 83, .	1.1	10
124	Exchange anisotropy pinning of a standing spin-wave mode. Physical Review B, 2011, 83, .	1.1	23
125	Optimization of Co/Pt multilayers for applications of current-driven domain wall propagation. Journal of Applied Physics, 2011, 110, 083913.	1.1	16
126	TEM investigation of MgO thin films for magnetic tunnel junction application. Journal of Physics: Conference Series, 2010, 241, 012039.	0.3	10

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127	Reduction of Threshold Current for Domain Wall Depinning Using Gd Doping of Permalloy. Applied Physics Express, 2010, 3, 083002.	1.1	13
128	Determination of Domain Wall Depinning and Driving Currents in Doped Permalloy Structures. IEEE Transactions on Magnetics, 2010, 46, 1759-1761.	1.2	5
129	Structural and magnetic changes in MgO-based magnetic tunneling junctions during the early stages of annealing. Journal of Magnetism and Magnetic Materials, 2010, 322, 756-761.	1.0	4
130	Field-driven creep motion of a composite domain wall in a Pt/Co/Pt/Co/Pt multilayer wire. Journal of Magnetism and Magnetic Materials, 2010, 322, 2529-2532.	1.0	3
131	Tuning the coercive field of Ni and CuNi thin films with the embedding of Co nanoparticles: An element-specific study. Journal of Magnetism and Magnetic Materials, 2010, 322, 3817-3821.	1.0	3
132	Spin-Transfer-Torque-Assisted Domain-Wall Creep in a Co/Pt Multilayer Wire. Physical Review Letters, 2010, 104, 137205.	2.9	75
133	Domain-wall pinning, nonadiabatic spin-transfer torque, and spin-current polarization in permalloy wires doped with vanadium. Physical Review B, 2010, 81, .	1.1	36
134	Domain-wall spin-torque resonators for frequency-selective operation. Physical Review B, 2010, 81, .	1.1	27
135	Spin-Orbit Strength Driven Crossover between Intrinsic and Extrinsic Mechanisms of the Anomalous Hall Effect in the Epitaxial L_{10}FePt Ordered Ferromagnets FePd and FePt. Physical Review Letters, 2010, 104, 076402.	2.9	86
136	Fe diffusion, oxidation, and reduction at the CoFeB/MgO interface studied by soft x-ray absorption spectroscopy and magnetic circular dichroism. Applied Physics Letters, 2010, 96, .	1.5	40
137	Spin-transfer torque efficiency measured using a Permalloy nanobridge. Applied Physics Letters, 2010, 97, 202505.	1.5	15
138	Tuning of current-induced domain wall resonance frequency using Gd doping. Applied Physics Letters, 2010, 97, 072507.	1.5	10
139	Ferromagnetism at the interfaces of antiferromagnetic FeRh epilayers. Physical Review B, 2010, 82, .	1.1	114
140	Spin polarization and exchange coupling of Cu and Mn atoms in paramagnetic CuMn diluted alloys induced by a Co layer. Physical Review B, 2010, 82, .	1.1	10
141	Reply to comment on "Superconducting transition in Nb nanowires fabricated using focused-ion beam". Nanotechnology, 2010, 21, 168002.	1.3	2
142	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
143	Spin-dependent scattering and the spin polarization of a diffusive current in partly disordered L_{10} epitaxial FePd. New Journal of Physics, 2010, 12, 033033.	1.2	14
144	Influence of deposition field on the magnetic anisotropy in epitaxial $\text{Co}/\text{Mn}/\text{GaAs}$ on GaAs(001). Physical Review B, 2010, 81, .	1.1	14

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145	Cotunneling enhancement of magnetoresistance in double magnetic tunnel junctions with embedded superparamagnetic NiFe nanoparticles. <i>Physical Review B</i> , 2010, 82, .	1.1	16
146	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
147	Experimental determination of spin-transfer torque nonadiabaticity parameter and spin polarization in permalloy. <i>Physical Review B</i> , 2009, 79, .	1.1	38
148	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
149	Dependence of Domain-Wall Depinning Threshold Current on Pinning Profile. <i>Physical Review Letters</i> , 2009, 102, 127203.	2.9	60
150	Suppression of magnetization ripple by exchange bias. <i>Physical Review B</i> , 2009, 79, .	1.1	5
151	Reduction in critical current of current induced switching in an inhomogeneous nanomagnet. <i>Applied Physics Letters</i> , 2009, 94, 122511.	1.5	2
152	The spin polarization of Mn atoms in paramagnetic CuMn alloys induced by a Co layer. <i>Journal of Applied Physics</i> , 2009, 105, 07C703.	1.1	2
153	Spin-dependent tunneling through NiFe nanoparticles. <i>Journal of Applied Physics</i> , 2009, 105, 07C923.	1.1	5
154	Conductance features in point contact Andreev reflection spectra. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 095701.	0.7	30
155	Co/Pt Hall sensors for low field detection. <i>Procedia Chemistry</i> , 2009, 1, 851-854.	0.7	7
156	Spintronics and functional materials. <i>Materials Today</i> , 2009, 12, 70-77.	8.3	30
157	Superconducting transition in Nb nanowires fabricated using focused ion beam. <i>Nanotechnology</i> , 2009, 20, 465302.	1.3	24
158	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
159	Surface influenced magnetostructural transition in FeRh films. <i>Applied Physics Letters</i> , 2009, 95, 222515.	1.5	26
160	Nonlinear Giant Magnetoresistance in Dual Spin Valves. <i>Physical Review Letters</i> , 2009, 103, 237203.	2.9	19
161	Vortex-antivortex 'molecular crystals' in hybrid ferromagnet/superconductor structures. <i>Journal of Physics: Conference Series</i> , 2009, 150, 052019.	0.3	0
162	Competing symmetries in superconducting vortex-antivortex 'molecular crystals'. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 518-522.	0.6	3

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163	Controlled domain wall nucleation and resulting magnetoresistance in Ni ₈₁ Fe ₁₉ nanoconstrictions. Journal of Applied Physics, 2008, 103, .	1.1	7
164	Bulk and near-surface magnetic properties of FeRh thin films. Journal of Applied Physics, 2008, 103, .	1.1	36
165	Structural and functional analysis of nanopillar spin electronic devices fabricated by 3D focused ion beam lithography. Nanotechnology, 2008, 19, 485305.	1.3	19
166	Interface Induced Uniaxial Magnetic Anisotropy in Amorphous CoFeB Films on AlGaAs(001). Physical Review Letters, 2008, 100, 117201.	2.9	54
167	Room temperature magnetic stabilization of buried cobalt nanoclusters within a ferromagnetic matrix studied by soft x-ray magnetic circular dichroism. Applied Physics Letters, 2008, 93, .	1.5	6
168	Structural and magnetic roughness in a Co ²⁺ /Ru multilayer patterned into a large scale hexagonal array. Journal of Applied Physics, 2008, 103, 07B513.	1.1	2
169	Spin-polarized tunneling with Au impurity layers. Journal of Applied Physics, 2008, 103, .	1.1	2
170	Controlled enhancement or suppression of exchange biasing using impurity \tilde{I} layers. Physical Review B, 2008, 77, .	1.1	36
171	Current-induced magnetization switching in a microscale ring-shaped magnetic tunnel junction. Physical Review B, 2008, 77, .	1.1	16
172	TEM characterization of a magnetic tunnel junction. Journal of Physics: Conference Series, 2008, 126, 012058.	0.3	2
173	Magnetism and superconductivity in the superconductor/quasimagnet/ferromagnet Nb ²⁺ /Pd ²⁺ /Fe system. Journal of Applied Physics, 2008, 103, 07C703.	1.1	1
174	Additional sub-gap conductance enhancement in nanoscale Andreev point contact junctions. Journal of Physics Condensed Matter, 2007, 19, 136211.	0.7	0
175	Layer-sequence dependence of transport and superconducting properties of Nb/Pd bilayers. Physical Review B, 2007, 76, .	1.1	7
176	Nucleation and propagation of domains walls in a Co ²⁺ /Pt multilayer wire. Journal of Applied Physics, 2007, 101, 09F508.	1.1	11
177	Element specific separation of bulk and interfacial magnetic hysteresis loops. Applied Physics Letters, 2007, 91, 132510.	1.5	3
178	Diffusive and ballistic current spin polarization in magnetron-sputtered epitaxial FePt. Physical Review B, 2007, 76, .	1.1	18
179	Competing Symmetries and Broken Bonds in Superconducting Vortex-Antivortex Molecular Crystals. Physical Review Letters, 2007, 99, 127001.	2.9	37
180	In-plane magnetic anisotropies of sputtered Co _{0.7} Fe _{0.3} films on AlGaAs(001) spin light emitting diode heterostructures. Journal of Applied Physics, 2007, 101, 09D106.	1.1	6

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181	Exchange Bias and Blocking Temperature in Co/FeMn/CuNi Trilayers. <i>Physical Review Letters</i> , 2007, 98, 217202.	2.9	48
182	Interface stability of magnetic tunnel barriers and electrodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 2778-2784.	0.8	5
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