

John E Pearson

List of Publications by Year in descending order

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papers

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253
docs citations

253
times ranked

12090
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent Coupling of Two Remote Magnonic Resonators Mediated by Superconducting Circuits. Physical Review Letters, 2022, 128, 047701.	2.9	44
2	Superconducting properties of the spin Hall candidate $\text{Ta}_{1-x}\text{Nb}_x\text{Sn}$ with eightfold degeneracy. Physical Review B, 2022, 105, .	1.3	5
3	Detecting Phase-Resolved Magnetization Dynamics by Magneto-Optic Effects at 1550 nm Wavelength. IEEE Transactions on Magnetics, 2021, 57, 1-7.	1.2	3
4	Distinguishing antiferromagnetic spin sublattices via the spin Seebeck effect. Physical Review B, 2021, 103, .	1.1	10
5	Direct Imaging of Resonant Phonon-Magnon Coupling. Physical Review Applied, 2021, 15, .	1.5	11
6	Temperature-dependent collective magnetization reversal in a network of ferromagnetic nanowires. AIP Advances, 2021, 11, .	0.6	4
7	Two-dimensional superconductivity and anisotropic transport at KTaO_3 (111) interfaces. Science, 2021, 371, 716-721.	6.0	136
8	Time Refraction of Spin Waves. Physical Review Letters, 2021, 126, 137201.	2.9	12
9	Phase-resolved electrical detection of coherently coupled magnonic devices. Applied Physics Letters, 2021, 118, 202403.	1.5	3
10	Superconducting diode effect via conformal-mapped nanoholes. Nature Communications, 2021, 12, 2703.	5.8	61
11	Antiferromagnetic Oxide Thin Films for Spintronic Applications. Coatings, 2021, 11, 786.	1.2	7
12	Electric field control of magnon spin currents in an antiferromagnetic insulator. Science Advances, 2021, 7, eabg1669.	4.7	12
13	Reconfigurable Pinwheel Artificial-Spin-Ice and Superconductor Hybrid Device. Nano Letters, 2020, 20, 8933-8939.	4.5	5
14	Probing magnon-magnon coupling in exchange coupled $\text{Y}_3\text{Fe}_5\text{O}_{12}$ /Permalloy bilayers with magneto-optical effects. Scientific Reports, 2020, 10, 12548.	1.6	23
15	Molecular beam epitaxy of the magnetic Kagome metal FeSn on LaAlO_3 (111). AIP Advances, 2020, 10, .	0.6	13
16	Phonon Transport Controlled by Ferromagnetic Resonance. Physical Review Applied, 2020, 13, .	1.5	28
17	Observation of an antiferromagnetic quantum critical point in high-purity LaNiO_3 . Nature Communications, 2020, 11, 1402.	5.8	16
18	Coherent Spin Pumping in a Strongly Coupled Magnon-Magnon Hybrid System. Physical Review Letters, 2020, 124, 117202.	2.9	75

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19	Temperature-dependent anisotropic magnetoresistance and spin-torque-driven vortex dynamics in a single microdisk. Journal of Applied Physics, 2020, 127, .	1.1	4
20	Magnetic Damping Modulation in IrMn via the Magnetic Spin Hall Effect. Physical Review Letters, 2020, 124, 087204.	2.9	11
21	Large anomalous Nernst and inverse spin-Hall effects in epitaxial thin films of kagome semimetal Mn . Physical Review Materials, 2020, 4, .	0.9	15
22	Direct observation of spin accumulation in Cu induced by spin pumping. Physical Review Research, 2020, 2, .	1.3	8
23	Orbital-flop Induced Magnetoresistance Anisotropy in Rare Earth Monopnictide CeSb. Nature Communications, 2019, 10, 2875.	5.8	17
24	Controlled interconversion of quantized spin wave modes via local magnetic fields. Physical Review B, 2019, 100, .	1.1	19
25	Strong Coupling between Magnons and Microwave Photons in On-Chip Ferromagnet-Superconductor Thin-Film Devices. Physical Review Letters, 2019, 123, 107701.	2.9	121
26	Counter-thermal flow of holes in high-mobility LaNiO_3 thin films. Physical Review B, 2019, 99, .	1.1	11
27	Spin Seebeck effect in insulating SrFeO_3 films. Applied Physics Letters, 2019, 114, 242403.	1.5	9
28	Insights into Structural Evolution of Lithium Peroxides with Reduced Charge Overpotential in Li_2O System. Advanced Energy Materials, 2019, 9, 1900662.	10.2	38
29	Giant Anisotropy of Gilbert Damping in Epitaxial CoFe Films. Physical Review Letters, 2019, 122, 117203.	2.9	70
30	Simultaneous Optical and Electrical Spin-Torque Magnetometry with Phase-Sensitive Detection of Spin Precession. Physical Review Applied, 2019, 11, .	1.5	14
31	Optical Detection of Phase-Resolved Ferromagnetic Resonance in Epitaxial FeCo Thin Films. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	4
32	Quantifying chiral exchange interaction for Néel-type skyrmions via Lorentz transmission electron microscopy. Physical Review B, 2019, 99, .	1.1	21
33	Spin-wave frequency division multiplexing in an yttrium iron garnet microstripe magnetized by inhomogeneous field. Applied Physics Letters, 2019, 115, .	1.5	16
34	Terahertz emission from magnetic thin film and patterned heterostructures. , 2019, , .		7
35	Design of Conductive Microwire Systems for Manipulation of Biological Cells. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	9
36	Thick $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ films grown by liquid-phase epitaxy for Josephson THz applications. Superconductor Science and Technology, 2018, 31, 015009.	1.8	7

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37	Linear and nonlinear spin-wave dynamics in ultralow-damping microstructured Co ₂ FeAl Heusler waveguide. Applied Physics Letters, 2018, 113, .	1.5	4
38	Impact of Electrical Contacts Design and Materials on the Stability of Ti Superconducting Transition Shape. Journal of Low Temperature Physics, 2018, 193, 732-738.	0.6	4
39	Independence of spin-orbit torques from the exchange bias direction in $Ni_{81}Fe_{19}/IrMn$ multilayers. Physical Review B, 2018, 98, .	1.1	35
40	Probing short-range magnetic order in a geometrically frustrated magnet by means of the spin Seebeck effect. Physical Review B, 2018, 98, .	1.1	19
41	Control of Terahertz Emission by Ultrafast Spin-Charge Current Conversion at Rashba Interfaces. Physical Review Letters, 2018, 120, 207207.	2.9	114
42	Room temperature deposition of superconducting niobium nitride films by ion beam assisted sputtering. APL Materials, 2018, 6, 076107.	2.2	26
43	Switchable geometric frustration in an artificial-spin-ice "superconductor heterosystem. Nature Nanotechnology, 2018, 13, 560-565.	15.6	50
44	Year two instrument status of the SPT-3G cosmic microwave background receiver. , 2018, , .		29
45	Optimization of Transition Edge Sensor Arrays for Cosmic Microwave Background Observations With the South Pole Telescope. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	16
46	Modeling Iridium-Based Trilayer and Bilayer Transition-Edge Sensors. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	7
47	Insulating Nanomagnets Driven by Spin Torque. Nano Letters, 2017, 17, 8-14.	4.5	29
48	Magnetic vortex nucleation/annihilation in artificial-ferrimagnet microdisks. Journal of Applied Physics, 2017, 122, 083903.	1.1	5
49	Origin of the extremely large magnetoresistance in the semimetal YSb. Physical Review B, 2017, 96, .	1.1	49
50	Vortex dynamics and frequency splitting in vertically coupled nanomagnets. Scientific Reports, 2017, 7, 1127.	1.6	17
51	Magnetization reversal in Py/Gd heterostructures. Physical Review B, 2017, 96, .	1.1	18
52	Magnetoresistive detection of strongly pinned uncompensated magnetization in antiferromagnetic FeMn. Physical Review B, 2017, 95, .	1.1	8
53	Unidirectional spin-torque driven magnetization dynamics. Physical Review B, 2017, 95, .	1.1	24
54	Direct observation of the skyrmion Hall effect. Nature Physics, 2017, 13, 162-169.	6.5	858

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55	High-Frequency Dynamics Modulated by Collective Magnetization Reversal in Artificial Spin Ice. <i>Physical Review Applied</i> , 2017, 8, .	1.5	29
56	Epitaxial growth of high quality SrFeO ₃ films on (001) oriented (LaAlO ₃) _{0.3} (Sr ₂ TaAlO ₆) _{0.7} . <i>Applied Physics Letters</i> , 2017, 111, .	1.5	9
57	Terahertz emission from ultrafast spin and charge currents at a Rashba interface. , 2017, , .		0
58	Spin Vortex Resonance in Non-planar Ferromagnetic Dots. <i>Scientific Reports</i> , 2016, 6, 25196.	1.6	6
59	Cytotropic frequency control in ferromagnetic dots using a nanoscale vortex barrier. <i>AIP Advances</i> , 2016, 6, .	0.6	3
60	Doppler-scanning tunneling microscopy current imaging in superconductor-ferromagnet hybrids. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	5
61	Mobile Néel skyrmions at room temperature: status and future. <i>AIP Advances</i> , 2016, 6, .	0.6	38
62	Large arrays of dual-polarized multichroic TES detectors for CMB measurements with the SPT-3G receiver. , 2016, , .		9
63	Perspective: Interface generation of spin-orbit torques. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	42
64	Spin valve with non-collinear magnetization configuration imprinted by a static magnetic field. <i>AIP Advances</i> , 2016, 6, 056107.	0.6	2
65	Research Update: Spin transfer torques in permalloy on monolayer MoS ₂ . <i>APL Materials</i> , 2016, 4, .	2.2	75
66	Spin Hall effects in metallic antiferromagnets – perspectives for future spin-orbitronics. <i>AIP Advances</i> , 2016, 6, .	0.6	21
67	Rewritable artificial magnetic charge ice. <i>Science</i> , 2016, 352, 962-966.	6.0	122
68	Dynamic response of an artificial square spin ice. <i>Physical Review B</i> , 2016, 93, .	1.1	71
69	Antiferromagnetic Spin Seebeck Effect. <i>Physical Review Letters</i> , 2016, 116, 097204.	2.9	248
70	Enhancing superconducting critical current by randomness. <i>Physical Review B</i> , 2016, 93, .	1.1	20
71	Interface-driven spin-torque ferromagnetic resonance by Rashba coupling at the interface between nonmagnetic materials. <i>Physical Review B</i> , 2016, 93, .	1.1	65
72	Large Spin-Wave Bullet in a Ferrimagnetic Insulator Driven by the Spin Hall Effect. <i>Physical Review Letters</i> , 2016, 116, 057601.	2.9	66

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73	Spin transport through the metallic antiferromagnet FeMn. Physical Review B, 2016, 94, .	1.1	38
74	Integrated performance of a frequency domain multiplexing readout in the SPT-3G receiver. Proceedings of SPIE, 2016, , .	0.8	15
75	All-electrical detection of spin dynamics in magnetic antidot lattices by the inverse spin Hall effect. Applied Physics Letters, 2016, 108, 052403.	1.5	9
76	Epitaxial patterning of nanometer-thick $\text{Y}_{3-x}\text{Fe}_x\text{O}_{12}$ films with low magnetic damping. Nanoscale, 2016, 8, 388-394.	2.8	41
77	Driving magnetization dynamics with interfacial spin-orbit torques (Conference Presentation). , 2016, , .		0
78	All-electrical manipulation of magnetization dynamics in a ferromagnet by antiferromagnets with anisotropic spin Hall effects. Physical Review B, 2015, 92, .	1.1	95
79	Electric manipulation of skyrmions in metals and insulators. , 2015, , .		0
80	Spin pumping and inverse spin Hall effectsâ€™ Insights for future spin-orbitronics (invited). Journal of Applied Physics, 2015, 117, .	1.1	47
81	Blowing magnetic skyrmion bubbles. Science, 2015, 349, 283-286.	6.0	1,177
82	Reduced spin-Hall effects from magnetic proximity. Physical Review B, 2015, 91, .	1.1	74
83	Driving and detecting ferromagnetic resonance in insulators with the spin Hall effect. Physical Review B, 2015, 92, .	1.1	48
84	Low Loss Superconducting Microstrip Development at Argonne National Lab. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	8
85	Self-healing patterns in ferromagnetic-superconducting hybrids. Superconductor Science and Technology, 2015, 28, 035006.	1.8	4
86	Mo/Au Bilayer TES Resistive Transition Engineering. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	4
87	Influence of Domain Width on Vortex Nucleation in Superconductor/Ferromagnet Hybrid Structures. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1107-1110.	0.8	6
88	Paramagnetic Spin Seebeck Effect. Physical Review Letters, 2015, 114, 186602.	2.9	114
89	Dynamic control of metastable remanent states in mesoscale magnetic elements. Journal of Applied Physics, 2015, 117, 17A707.	1.1	2
90	Spin pumping and inverse Rashba-Edelstein effect in NiFe/Ag/Bi and NiFe/Ag/Sb. Journal of Applied Physics, 2015, 117, .	1.1	96

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91	Spin waves in micro-structured yttrium iron garnet nanometer-thick films. Journal of Applied Physics, 2015, 117, .	1.1	50
92	Fabrication of large dual-polarized multichroic TES bolometer arrays for CMB measurements with the SPT-3G camera. Superconductor Science and Technology, 2015, 28, 094002.	1.8	29
93	SPT-3G: a next-generation cosmic microwave background polarization experiment on the South Pole telescope. Proceedings of SPIE, 2014, , .	0.8	249
94	Unambiguous separation of the inverse spin Hall and anomalous Nernst effects within a ferromagnetic metal using the spin Seebeck effect. Applied Physics Letters, 2014, 105, .	1.5	46
95	A Mo/Au Bilayer Transition Edge Sensor Modified with Normal Metal Structures. Journal of Low Temperature Physics, 2014, 176, 337-343.	0.6	1
96	Dynamics of coupled vortices in perpendicular field. Applied Physics Letters, 2014, 104, 082409.	1.5	8
97	Realization of a spin-wave multiplexer. Nature Communications, 2014, 5, 3727.	5.8	314
98	Spin Hall Effects in Metallic Antiferromagnets. Physical Review Letters, 2014, 113, 196602.	2.9	313
99	Dynamic decay of a single vortex into vortex-antivortex pairs. Journal of Applied Physics, 2014, 115, 17D121.	1.1	5
100	Visualizing domain wall and reverse domain superconductivity. Nature Communications, 2014, 5, 4766.	5.8	28
101	Dependence of spin-pumping spin Hall effect measurements on layer thicknesses and stacking order. Physical Review B, 2013, 88, .	1.1	111
102	Control and Manipulation of the Dynamic Response of Interacting Spin Vortices. IEEE Transactions on Magnetics, 2013, 49, 3081-3088.	1.2	0
103	Universal Method for Separating Spin Pumping from Spin Rectification Voltage of Ferromagnetic Resonance. Physical Review Letters, 2013, 111, 217602.	2.9	117
104	Mo/Au Bilayer Superconducting Transition Edge Sensor Tuning With Surface Modification Structures. IEEE Transactions on Applied Superconductivity, 2013, 23, 2101605-2101605.	1.1	6
105	Reconfigurable ground states in connected double-dot system. Applied Physics Letters, 2013, 102, 052401.	1.5	3
106	Unanticipated Proximity Behavior in Ferromagnet-Superconductor Heterostructures with Controlled Magnetic Noncollinearity. Physical Review Letters, 2013, 110, 177001.	2.9	22
107	Static and dynamic properties of Fibonacci multilayers. Journal of Applied Physics, 2013, 113, 17C102.	1.1	10
108	Magnetization Dynamics Through Magnetoimpedance Effect in Isotropic $\text{Co}_{2-x}\text{FeAl}_x/\text{Au}/\text{Co}_{2-x}\text{FeAl}_x$ Full-Heusler Alloy Trilayer Films. Applied Physics Express, 2013, 6, 093001.	1.1	6

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109	Determination of the Pt spin diffusion length by spin-pumping and spin Hall effect. Applied Physics Letters, 2013, 103, .	1.5	141
110	Phase slippage driven dissipation and high-field Little-Parks effect in superconducting MoGe nanowire networks formed on nanoporous substrates. Physical Review B, 2012, 85, .	1.1	7
111	From chaos to selective ordering of vortex cores in interacting mesomagnets. Nature Communications, 2012, 3, 1330.	5.8	58
112	Thermoelectric Detection of Spin Waves. Physical Review Letters, 2012, 109, 237204.	2.9	27
113	Mapping microwave field distributions via the spin Hall effect. Applied Physics Letters, 2012, 101, .	1.5	14
114	Coupled vortex oscillations in mesoscale ferromagnetic double-disk structures. Physical Review B, 2012, 86, .	1.1	19
115	Spin waves turning a corner. Applied Physics Letters, 2012, 101, 042410.	1.5	131
116	Optical transmission modulation by disk-shaped ferromagnetic particles. Journal of Applied Physics, 2012, 111, 07A945.	1.1	8
117	An Absorber-coupled TES Bolometer for Measuring CMB Polarization. Physics Procedia, 2012, 37, 1349-1354.	1.2	2
118	Rational Development of Ternary Alloy Electrocatalysts. Journal of Physical Chemistry Letters, 2012, 3, 1668-1673.	2.1	130
119	Evidence of vortex jamming in Abrikosov vortex flux flow regime. Physical Review B, 2012, 86, .	1.1	18
120	Anomalous magnetoresistance in Fibonacci multilayers. Physical Review B, 2012, 85, .	1.1	9
121	Mechanoresponsive system based on sub-micron chitosan-functionalized ferromagnetic disks. Journal of Materials Chemistry, 2011, 21, 8422.	6.7	29
122	Multimetallic Au/FePt ₃ Nanoparticles as Highly Durable Electrocatalyst. Nano Letters, 2011, 11, 919-926.	4.5	435
123	Networks of Ultrasmall Pd/Cr Nanowires as High Performance Hydrogen Sensors. ACS Nano, 2011, 5, 7443-7452.	7.3	93
124	Electric control of magnetization relaxation in thin film magnetic insulators. Applied Physics Letters, 2011, 99, .	1.5	47
125	Design and Synthesis of Bimetallic Electrocatalyst with Multilayered Pt-Skin Surfaces. Journal of the American Chemical Society, 2011, 133, 14396-14403.	6.6	541
126	Thermal Properties of Silicon Nitride Beams Below One Kelvin. IEEE Transactions on Applied Superconductivity, 2011, 21, 232-235.	1.1	9

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127	Structural Transitions and Magnetic Properties of Ni ₅₀ Mn _{36.7} In _{13.3} Particles with Amorphous-Like Phase. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 3062-3070.	1.1	6
128	Progress on ANL/KICP Bolometers for SPTpol. IEEE Transactions on Applied Superconductivity, 2011, 21, 184-187.	1.1	6
129	Direct Determination of Energy Level Alignment and Charge Transport at $\text{Metal}/\text{Alq}_3/\text{Interface}$ via Ballistic Electron Emission Spectroscopy. Physical Review Letters, 2011, 106, 156807.	2.9	26
130	Magnetic-field enhancement of nonlocal spin signal in Ni ₈₀ Fe ₂₀ /Ag lateral spin valves. Physical Review B, 2011, 84, .	1.1	5
131	Dimensionality crossover in vortex dynamics of magnetically coupled F ₀ /F hybrids. Superconductor Science and Technology, 2011, 24, 024012.	1.8	0
132	Suppression of spin-pumping by a MgO tunnel-barrier. Applied Physics Letters, 2010, 96, .	1.5	58
133	In-situ studies of stress- and magnetic-field-induced phase transformation in a polymer-bonded Ni ₄₅ Co ₄₅ Mn ₁₀ In composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 3561-3571.	2.6	22
134	Quantifying Spin Hall Angles from Spin Pumping: Experiments and Theory. Physical Review Letters, 2010, 104, 046601.	2.9	603
135	Surface Spin Flip Probability of Mesoscopic Ag Wires. Physical Review Letters, 2010, 104, 237202.	2.9	55
136	Giant conductance anisotropy in magnetically coupled Ferromagnet-Superconductor-Ferromagnet structures. Applied Physics Letters, 2010, 96, 092513.	1.5	7
137	Enhanced spin signals due to native oxide formation in Ni ₈₀ Fe ₂₀ /Ag lateral spin valves. Applied Physics Letters, 2010, 97, .	1.5	31
138	Matching effect and dynamic phases of vortex matter in Bi ₂ Sr ₂ CaCu ₂ O ₈ nanoribbon with a periodic array of holes. Applied Physics Letters, 2010, 97, .	1.5	44
139	THERMAL PROPERTIES OF SILICON NITRIDE BEAMS BELOW 1 KELVIN. AIP Conference Proceedings, 2010, , .	0.3	1
140	Temperature dependent nucleation and annihilation of individual magnetic vortices. Applied Physics Letters, 2010, 96, .	1.5	33
141	Detection and quantification of inverse spin Hall effect from spin pumping in permalloy/normal metal bilayers. Physical Review B, 2010, 82, .	1.1	439
142	Adjustable Superconducting Anisotropy in Superconductor-Ferromagnet Bilayers. IEEE Transactions on Applied Superconductivity, 2009, 19, 3471-3474.	1.1	5
143	Control of Membrane Thermal Transport Supporting Superconducting Detector Development. IEEE Transactions on Applied Superconductivity, 2009, 19, 489-492.	1.1	3
144	Imaging of lateral spin valves with soft x-ray microscopy. Physical Review B, 2009, 80, .	1.1	9

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145	Low temperature thermal transport in partially perforated silicon nitride membranes. Applied Physics Letters, 2009, 94, .	1.5	4
146	Negative Nonlocal Resistance in Mesoscopic Gold Hall Bars: Absence of the Giant Spin Hall Effect. Physical Review Letters, 2009, 103, 166601.	2.9	84
147	TES Development for a Frequency Selective Bolometer Camera. IEEE Transactions on Applied Superconductivity, 2009, 19, 548-552.	1.1	0
148	A broadband imaging system for research applications. Review of Scientific Instruments, 2009, 80, 056104.	0.6	10
149	Ferromagnetic microdisks as carriers for biomedical applications. Journal of Applied Physics, 2009, 105, .	1.1	49
150	Development of Absorber Coupled TES Polarimeter at Millimeter Wavelengths. IEEE Transactions on Applied Superconductivity, 2009, 19, 544-547.	1.1	1
151	Adjustable superconducting anisotropy in MoGe-Permalloy hybrids. Journal of Physics: Conference Series, 2009, 150, 052095.	0.3	3
152	Design and Fabrication of Argonneâ•KICP Detectors for CMB Polarization. , 2009, , .		3
153	Thermal Modeling of Absorber-Coupled TES Polarimeter. , 2009, , .		3
154	Optical Properties of Argonneâ•KICP TES Bolometers for CMB Polarimetry. , 2009, , .		0
155	Optical design of Argonneâ•KICP detectors for CMB polarization. , 2009, , .		3
156	Asymmetric ferromagnet-superconductor-ferromagnet switch. Physical Review B, 2008, 77, .	1.1	20
157	Element-specific recoil loops in Smâ•Coâ•Fe exchange-spring magnets. Journal of Applied Physics, 2008, 103, .	1.1	9
158	Scanning tunneling microscope design with a confocal small field permanent magnet. Measurement Science and Technology, 2008, 19, 115802.	1.4	5
159	Enhanced pinning of superconducting vortices by magnetic vortices. Physical Review B, 2008, 77, .	1.1	26
160	Magnetoresistance Anisotropy of a One-Dimensional Superconducting Niobium Strip. Physical Review Letters, 2008, 101, 077003.	2.9	12
161	Superconductor/ferromagnet bilayers: Influence of magnetic domain structure on vortex dynamics. Physical Review B, 2008, 77, .	1.1	37
162	Tunable transport in magnetically coupled MoGe/Permalloy hybrids. Applied Physics Letters, 2008, 93, .	1.5	33

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163	Soft magnetic lithography and giant magnetoresistance in superconducting/ferromagnetic hybrids. Physical Review B, 2008, 78, .	1.1	23
164	Absence of spin transport in the organic semiconductorAlq3. Physical Review B, 2008, 77, .	1.1	101
165	Tailoring the magnetization reversal of elliptical dots using exchange bias (invited). Journal of Applied Physics, 2008, 103, 07C109.	1.1	12
166	Plasmon scanner and multiplexer. , 2008, , .		1
167	Frequency selective bolometer development at Argonne National Laboratory. , 2008, , .		1
168	Emerging Measurement Techniques For Studies Of Mesoscopic Superconductors. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 117-126.	0.2	0
169	Non-local spin injection in lateral spin valves. Journal Physics D: Applied Physics, 2007, 40, 1280-1284.	1.3	42
170	Composition effects on the early-stage oxidation kinetics of (001) CuAu alloys. Journal of Applied Physics, 2007, 101, 033521.	1.1	29
171	Origin of recoil hysteresis loops in SmCoFe exchange-spring magnets. Applied Physics Letters, 2007, 91, .	1.5	57
172	Controlled interface profile in SmCoFe exchange-spring magnets. Applied Physics Letters, 2007, 91, .	1.5	52
173	Magnetic Instability Regions in Patterned Structures: Influence of Element Shape on Magnetization Reversal Dynamics. Physical Review Letters, 2007, 98, 147202.	2.9	20
174	Origin of the matching effect in a superconducting film with a hole array. Physical Review B, 2007, 76, .	1.1	45
175	Role of diffused Co atoms in improving effective exchange coupling inSmCoFespring magnets. Physical Review B, 2007, 75, .	1.1	67
176	Enhanced Raman scattering from focused surface plasmons. Applied Physics Letters, 2007, 91, 081104.	1.5	37
177	Multiplexing surface plasmon polaritons on nanowires. Applied Physics Letters, 2007, 91, 083115.	1.5	21
178	Surface Functionalized Biocompatible Magnetic Nanospheres for Cancer Hyperthermia. IEEE Transactions on Magnetics, 2007, 43, 2462-2464.	1.2	26
179	Cu2OIsland Shape Transition during Cu-Au Alloy Oxidation. Physical Review Letters, 2006, 96, 226108.	2.9	37
180	Strong anisotropy in single atomic layer of Co and Fe on Pt(997). Journal of Applied Physics, 2006, 100, 073911.	1.1	4

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181	Hard-axis magnetization behavior and the surface spin-flop transition in antiferromagnetic Fe ²⁺ /Cr(100) superlattices. <i>Physical Review B</i> , 2006, 73, .	1.1	15
182	Spectroscopy of surface plasmons in metal films with nanostructures. <i>Applied Physics Letters</i> , 2006, 88, 173112.	1.5	5
183	Permalloy thin films exchange coupled to arrays of cobalt islands. <i>Applied Physics Letters</i> , 2006, 89, 142508.	1.5	19
184	Enhanced spin injection polarization in Co ²⁺ /Cu ²⁺ /Co nonlocal lateral spin valves. <i>Applied Physics Letters</i> , 2006, 88, 052509.	1.5	79
185	Guided self-assembly growth of epitaxial Co dots on lithographically patterned Ru single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 286, 14-17.	1.0	1
186	Electron-beam tip/sample heating device for a scanning tunneling microscopy. <i>Review of Scientific Instruments</i> , 2005, 76, 123703.	0.6	19
187	Selective growth of Co nanoislands on an oxygen-patterned Ru(0001) surface. <i>Physical Review B</i> , 2005, 72, .	1.1	10
188	Step-decorated Ferromagnetic Fe Nanostripes on Pt(997). <i>Physical Review B</i> , 2005, 72, .	1.1	35
189	Subwavelength Focusing and Guiding of Surface Plasmons. <i>Nano Letters</i> , 2005, 5, 1399-1402.	4.5	513
190	A new approach for improving exchange-spring magnets. <i>Journal of Applied Physics</i> , 2005, 97, 10K311.	1.1	78
191	Self-assembled epitaxial magnetic lateral structures on Ru: Controlling the shape and placement. <i>Physical Review B</i> , 2004, 69, .	1.1	7
192	Placement of epitaxial magnetic Co dots on Ru(0001) via substrate modifications. <i>Journal of Applied Physics</i> , 2004, 95, 6663-6665.	1.1	1
193	Improving exchange-spring nanocomposite permanent magnets. <i>Applied Physics Letters</i> , 2004, 85, 5293-5295.	1.5	119
194	Surface plasmons at single nanoholes in Au films. <i>Applied Physics Letters</i> , 2004, 85, 467-469.	1.5	250
195	Shape effect on magnetization reversal in chains of interacting ferromagnetic elements. <i>Applied Physics Letters</i> , 2003, 82, 3716-3718.	1.5	63
196	Tailoring the exchange bias via shape anisotropy in ferromagnetic/antiferromagnetic exchange-coupled systems. <i>Physical Review B</i> , 2003, 67, .	1.1	76
197	Remagnetization processes in SmCo/NdCo exchange springs. <i>Journal of Applied Physics</i> , 2003, 93, 6486-6488.	1.1	3
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