

# John E Pearson

## List of Publications by Year in descending order

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252  
papers

14,470  
citations

26610

56  
h-index

21521

114  
g-index

253  
all docs

253  
docs citations

253  
times ranked

12090  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blowing magnetic skyrmion bubbles. <i>Science</i> , 2015, 349, 283-286.	6.0	1,177
2	Direct observation of the skyrmion Hall effect. <i>Nature Physics</i> , 2017, 13, 162-169.	6.5	858
3	Quantifying Spin Hall Angles from Spin Pumping: Experiments and Theory. <i>Physical Review Letters</i> , 2010, 104, 046601.	2.9	603
4	Design and Synthesis of Bimetallic Electrocatalyst with Multilayered Pt-Skin Surfaces. <i>Journal of the American Chemical Society</i> , 2011, 133, 14396-14403.	6.6	541
5	Subwavelength Focusing and Guiding of Surface Plasmons. <i>Nano Letters</i> , 2005, 5, 1399-1402.	4.5	513
6	Detection and quantification of inverse spin Hall effect from spin pumping in permalloy/normal metal bilayers. <i>Physical Review B</i> , 2010, 82, .	1.1	439
7	Multimetallic Au/FePt <sub>3</sub> Nanoparticles as Highly Durable Electrocatalyst. <i>Nano Letters</i> , 2011, 11, 919-926.	4.5	435
8	Asymmetry of the spin reorientation transition in ultrathin Fe films and wedges grown on Ag(100). <i>Physical Review Letters</i> , 1993, 70, 1006-1009.	2.9	338
9	Magnetic phases of ultrathin Fe grown on Cu(100) as epitaxial wedges. <i>Physical Review Letters</i> , 1994, 72, 3112-3115.	2.9	325
10	Realization of a spin-wave multiplexer. <i>Nature Communications</i> , 2014, 5, 3727.	5.8	314
11	Spin Hall Effects in Metallic Antiferromagnets. <i>Physical Review Letters</i> , 2014, 113, 196602.	2.9	313
12	Magnetization-Orientation Dependence of the Superconducting Transition Temperature in the Ferromagnet-Superconductor-Ferromagnet System:CuNi/Nb/CuNi. <i>Physical Review Letters</i> , 2002, 89, 267001.	2.9	306
13	Surface plasmons at single nanoholes in Au films. <i>Applied Physics Letters</i> , 2004, 85, 467-469.	1.5	250
14	SPT-3G: a next-generation cosmic microwave background polarization experiment on the South Pole telescope. <i>Proceedings of SPIE</i> , 2014, , .	0.8	249
15	Antiferromagnetic Spin Seebeck Effect. <i>Physical Review Letters</i> , 2016, 116, 097204.	2.9	248
16	Solid-State Amorphization ofZr3Al: Evidence of an Elastic Instability and First-Order Phase Transformation. <i>Physical Review Letters</i> , 1987, 59, 2987-2990.	2.9	162
17	Oscillatory interlayer magnetic coupling of wedged Co/Cu/Co sandwiches grown on Cu(100) by molecular beam epitaxy. <i>Physical Review B</i> , 1992, 46, 8659-8662.	1.1	150
18	Determination of the Pt spin diffusion length by spin-pumping and spin Hall effect. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	141

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19	Two-dimensional superconductivity and anisotropic transport at KTaO <sub>3</sub> (111) interfaces. <i>Science</i> , 2021, 371, 716-721.	6.0	136
20	Brillouin scattering and transmission electron microscopy studies of radiation-induced elastic softening, disordering and amorphization of intermetallic compounds. <i>Journal of the Less Common Metals</i> , 1988, 140, 231-244.	0.9	131
21	Spin waves turning a corner. <i>Applied Physics Letters</i> , 2012, 101, 042410.	1.5	131
22	Rational Development of Ternary Alloy Electrocatalysts. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1668-1673.	2.1	130
23	Rewritable artificial magnetic charge ice. <i>Science</i> , 2016, 352, 962-966.	6.0	122
24	Strong Coupling between Magnons and Microwave Photons in On-Chip Ferromagnet-Superconductor Thin-Film Devices. <i>Physical Review Letters</i> , 2019, 123, 107701.	2.9	121
25	Improving exchange-spring nanocomposite permanent magnets. <i>Applied Physics Letters</i> , 2004, 85, 5293-5295.	1.5	119
26	Universal Method for Separating Spin Pumping from Spin Rectification Voltage of Ferromagnetic Resonance. <i>Physical Review Letters</i> , 2013, 111, 217602.	2.9	117
27	Structure and magnetic properties of exchange-spring Sm-Co superlattices. <i>Applied Physics Letters</i> , 1998, 72, 380-382.	1.5	115
28	Paramagnetic Spin Seebeck Effect. <i>Physical Review Letters</i> , 2015, 114, 186602.	2.9	114
29	Control of Terahertz Emission by Ultrafast Spin-Charge Current Conversion at Rashba Interfaces. <i>Physical Review Letters</i> , 2018, 120, 207207.	2.9	114
30	Interfacial roughness of sputtered multilayers: Nb/Si. <i>Physical Review B</i> , 1993, 48, 17432-17444.	1.1	112
31	Dependence of spin-pumping spin Hall effect measurements on layer thicknesses and stacking order. <i>Physical Review B</i> , 2013, 88, .	1.1	111
32	Short-period oscillations in the interlayer magnetic coupling of wedged Fe(100)/Mo(100)/Fe(100) grown on Mo(100) by molecular-beam epitaxy. <i>Physical Review Letters</i> , 1992, 68, 1398-1401.	2.9	107
33	Magnetic phase transition of ultrathin Fe films on Ag(111). <i>Physical Review Letters</i> , 1991, 67, 1646-1649.	2.9	105
34	Absence of spin transport in the organic semiconductor Alq <sub>3</sub> . <i>Physical Review B</i> , 2008, 77, .	1.1	101
35	Spin pumping and inverse Rashba-Edelstein effect in NiFe/Ag/Bi and NiFe/Ag/Sb. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	96
36	All-electrical manipulation of magnetization dynamics in a ferromagnet by antiferromagnets with anisotropic spin Hall effects. <i>Physical Review B</i> , 2015, 92, .	1.1	95

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37	Networks of Ultrasmall Pd/Cr Nanowires as High Performance Hydrogen Sensors. ACS Nano, 2011, 5, 7443-7452.	7.3	93
38	Negative Nonlocal Resistance in Mesoscopic Gold Hall Bars: Absence of the Giant Spin Hall Effect. Physical Review Letters, 2009, 103, 166601.	2.9	84
39	Enhanced spin injection polarization in Co <sup>2+</sup> /Cu <sup>2+</sup> /Co nonlocal lateral spin valves. Applied Physics Letters, 2006, 88, 052509.	1.5	79
40	A new approach for improving exchange-spring magnets. Journal of Applied Physics, 2005, 97, 10K311.	1.1	78
41	Tailoring the exchange bias via shape anisotropy in ferromagnetic/antiferromagnetic exchange-coupled systems. Physical Review B, 2003, 67, .	1.1	76
42	Research Update: Spin transfer torques in permalloy on monolayer MoS <sub>2</sub> . APL Materials, 2016, 4, .	2.2	75
43	Coherent Spin Pumping in a Strongly Coupled Magnon-Magnon Hybrid System. Physical Review Letters, 2020, 124, 117202.	2.9	75
44	Exchange-coupled Sm <sup>2+</sup> /Co/Nd <sup>2+</sup> /Co nanomagnets: correlation between soft phase anisotropy and exchange field. Applied Physics Letters, 2002, 81, 2029-2031.	1.5	74
45	Reduced spin-Hall effects from magnetic proximity. Physical Review B, 2015, 91, .	1.1	74
46	Experimental Observation of Disorder-Driven Hysteresis-Loop Criticality. Physical Review Letters, 2000, 85, 4176-4179.	2.9	73
47	Dynamic response of an artificial square spin ice. Physical Review B, 2016, 93, .	1.1	71
48	Giant Anisotropy of Gilbert Damping in Epitaxial CoFe Films. Physical Review Letters, 2019, 122, 117203.	2.9	70
49	Role of diffused Co atoms in improving effective exchange coupling in Sm <sup>2+</sup> /Co <sup>2+</sup> /Fe spring magnets. Physical Review B, 2007, 75, .	1.1	67
50	Large Spin-Wave Bullet in a Ferrimagnetic Insulator Driven by the Spin Hall Effect. Physical Review Letters, 2016, 116, 057601.	2.9	66
51	A general approach to the epitaxial growth of rare-earth transition-metal films. Applied Physics Letters, 1996, 69, 2438-2440.	1.5	65
52	Interface-driven spin-torque ferromagnetic resonance by Rashba coupling at the interface between nonmagnetic materials. Physical Review B, 2016, 93, .	1.1	65
53	Shape effect on magnetization reversal in chains of interacting ferromagnetic elements. Applied Physics Letters, 2003, 82, 3716-3718.	1.5	63
54	Superconducting diode effect via conformal-mapped nanoholes. Nature Communications, 2021, 12, 2703.	5.8	61

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55	Suppression of spin-pumping by a MgO tunnel-barrier. Applied Physics Letters, 2010, 96, .	1.5	58
56	From chaos to selective ordering of vortex cores in interacting mesomagnets. Nature Communications, 2012, 3, 1330.	5.8	58
57	Substrate dependence of magnetic properties of La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> films. Journal of Magnetism and Magnetic Materials, 2001, 237, 61-68.	1.0	57
58	Origin of recoil hysteresis loops in Sm <sup>2+</sup> /Co <sup>2+</sup> /Fe exchange-spring magnets. Applied Physics Letters, 2007, 91, .	1.5	57
59	Surface Spin Flip Probability of Mesoscopic Ag Wires. Physical Review Letters, 2010, 104, 237202.	2.9	55
60	Two-dimensional Ising transition of epitaxial Fe films grown on Ag(100). Physical Review B, 1994, 49, 8797-8801.	1.1	54
61	Spin-polarized photoemission studies of the exchange splitting of the Gd 5d electrons near the Curie temperature. Physical Review B, 1995, 51, 13895-13898.	1.1	53
62	Controlled interface profile in Sm <sup>2+</sup> /Co <sup>2+</sup> /Fe exchange-spring magnets. Applied Physics Letters, 2007, 91, .	1.5	52
63	High-coercivity, c-axis oriented Nd <sub>2</sub> Fe <sub>14</sub> B films grown by molecular beam epitaxy. Journal of Applied Physics, 1997, 81, 4441-4443.	1.1	51
64	Spin waves in micro-structured yttrium iron garnet nanometer-thick films. Journal of Applied Physics, 2015, 117, .	1.1	50
65	Switchable geometric frustration in an artificial-spin-ice <sup>2+</sup> /superconductor heterosystem. Nature Nanotechnology, 2018, 13, 560-565.	15.6	50
66	Magnetic and structural instabilities of ferromagnetic and antiferromagnetic Fe/Cu(100). Journal of Applied Physics, 1994, 76, 6425-6427.	1.1	49
67	Ferromagnetic microdisks as carriers for biomedical applications. Journal of Applied Physics, 2009, 105, .	1.1	49
68	Origin of the extremely large magnetoresistance in the semimetal YSb. Physical Review B, 2017, 96, .	1.1	49
69	Curie Temperature Enhancement and Induced Pd Magnetic Moments for Ultrathin Fe Films Grown on Stepped Pd(001). Physical Review Letters, 1999, 82, 1947-1950.	2.9	48
70	Driving and detecting ferromagnetic resonance in insulators with the spin Hall effect. Physical Review B, 2015, 92, .	1.1	48
71	k-Space Origin of the Long-Period Oscillation in Fe/Cr Multilayers: A Photoemission Study of Epitaxial Cr Grown on an Fe(100) Whisker. Physical Review Letters, 1997, 78, 1154-1157.	2.9	47
72	Electric control of magnetization relaxation in thin film magnetic insulators. Applied Physics Letters, 2011, 99, .	1.5	47

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73	Spin pumping and inverse spin Hall effects—Insights for future spin-orbitronics (invited). Journal of Applied Physics, 2015, 117, .	1.1	47
74	Elastic properties of Si during amorphization. Physical Review B, 1988, 38, 12656-12659.	1.1	46
75	Critical exponents of inhomogeneous ferromagnets. Journal of Applied Physics, 2002, 91, 8393.	1.1	46
76	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
77	Origin of the matching effect in a superconducting film with a hole array. Physical Review B, 2007, 76, .	1.1	45
78	Additivity of the magneto-optic Kerr signal in ultrathin Fe(110)/Ag(111) superlattices. Physical Review B, 1992, 45, 7211-7216.	1.1	44
79	Matching effect and dynamic phases of vortex matter in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> nanoribbon with a periodic array of holes. Applied Physics Letters, 2010, 97, .	1.5	44
80	Magnetic Damping Modulation in $\text{IrMn}$ via the Magnetic Spin Hall Effect. Physical Review Letters, 2020, 124, 087204.	2.9	44
81	Coherent Coupling of Two Remote Magnonic Resonators Mediated by Superconducting Circuits. Physical Review Letters, 2022, 128, 047701.	2.9	44
82	Hybridization and the effective mass of quantum-well states in magnetic multilayers. Physical Review B, 1994, 50, 8954-8956.	1.1	43
83	Magnetic anisotropy of epitaxial Fe films grown on curved W(001) with a graded step density. Physical Review B, 1998, 57, R12713-R12716.	1.1	43
84	Non-local spin injection in lateral spin valves. Journal Physics D: Applied Physics, 2007, 40, 1280-1284.	1.3	42
85	Perspective: Interface generation of spin-orbit torques. Journal of Applied Physics, 2016, 120, .	1.1	42
86	Epitaxial patterning of nanometer-thick Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> films with low magnetic damping. Nanoscale, 2016, 8, 388-394.	2.8	41
87	Magneto-optic Kerr ellipticity of epitaxial Co/Cu overlayers and superlattices. Physical Review B, 1992, 46, 8195-8200.	1.1	40
88	Title is missing!. Oxidation of Metals, 2000, 54, 73-85.	1.0	40
89	Magnetism of step-decorated Fe on Pd(110). Physical Review B, 2001, 64, .	1.1	40
90	Mobile Néel skyrmions at room temperature: status and future. AIP Advances, 2016, 6, .	0.6	38

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91	Spin transport through the metallic antiferromagnet FeMn. Physical Review B, 2016, 94, .	1.1	38
92	Insights into Structural Evolution of Lithium Peroxides with Reduced Charge Overpotential in $\text{Li}^{2+}\text{O}$ System. Advanced Energy Materials, 2019, 9, 1900662.	10.2	38
93	Cu <sub>2</sub> O Island Shape Transition during Cu-Au Alloy Oxidation. Physical Review Letters, 2006, 96, 226108.	2.9	37
94	Enhanced Raman scattering from focused surface plasmons. Applied Physics Letters, 2007, 91, 081104.	1.5	37
95	Superconductor/ferromagnet bilayers: Influence of magnetic domain structure on vortex dynamics. Physical Review B, 2008, 77, .	1.1	37
96	Step-decorated Ferromagnetic Fe Nanostripes on Pt(997). Physical Review B, 2005, 72, .	1.1	35
97	Independence of spin-orbit torques from the exchange bias direction in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle N \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle i \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 81 \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle F \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 19 \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle / \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{IrMn} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle$	1.1	35
98	Tunable transport in magnetically coupled MoGe/Permalloy hybrids. Applied Physics Letters, 2008, 93, .	1.5	33
99	Temperature dependent nucleation and annihilation of individual magnetic vortices. Applied Physics Letters, 2010, 96, .	1.5	33
100	Enhanced spin signals due to native oxide formation in Ni <sub>80</sub> Fe <sub>20</sub> /Ag lateral spin valves. Applied Physics Letters, 2010, 97, .	1.5	31
101	Composition effects on the early-stage oxidation kinetics of (001) Cu-Au alloys. Journal of Applied Physics, 2007, 101, 033521.	1.1	29
102	Mechanoresponsive system based on sub-micron chitosan-functionalized ferromagnetic disks. Journal of Materials Chemistry, 2011, 21, 8422.	6.7	29
103	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
104	Insulating Nanomagnets Driven by Spin Torque. Nano Letters, 2017, 17, 8-14.	4.5	29
105	High-Frequency Dynamics Modulated by Collective Magnetization Reversal in Artificial Spin Ice. Physical Review Applied, 2017, 8, .	1.5	29
106	Year two instrument status of the SPT-3G cosmic microwave background receiver. , 2018, , .		29
107	Visualizing domain wall and reverse domain superconductivity. Nature Communications, 2014, 5, 4766.	5.8	28
108	Phonon Transport Controlled by Ferromagnetic Resonance. Physical Review Applied, 2020, 13, .	1.5	28

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109	Thermoelectric Detection of Spin Waves. <i>Physical Review Letters</i> , 2012, 109, 237204.	2.9	27
110	Magnetic coupling of Fe/Mo/Fe and Co/Cu/Co sandwiches across wedged spacer layers (invited). <i>Journal of Applied Physics</i> , 1993, 73, 5765-5770.	1.1	26
111	Surface Functionalized Biocompatible Magnetic Nanospheres for Cancer Hyperthermia. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 2462-2464.	1.2	26
112	Enhanced pinning of superconducting vortices by magnetic vortices. <i>Physical Review B</i> , 2008, 77, .	1.1	26
113	Direct Determination of Energy Level Alignment and Charge Transport at $\text{Metal}/\text{Metal}/\text{Metal}$ Interfaces via Ballistic Electron Emission Spectroscopy. <i>Physical Review Letters</i> , 2011, 106, 156807.	2.9	26
114	Room temperature deposition of superconducting niobium nitride films by ion beam assisted sputtering. <i>APL Materials</i> , 2018, 6, 076107.	2.2	26
115	Self-assembled metallic dots and antidots: Epitaxial Co on Ru(0001). <i>Applied Physics Letters</i> , 2001, 78, 1228-1230.	1.5	25
116	Alignment of self-assembled magnetic nanostructures: Co dot chains and stripes on grooved Ru(0001). <i>Applied Physics Letters</i> , 2001, 79, 3848-3850.	1.5	25
117	Photoemission study of quantum confinement by a finite barrier: Cu/Co(wedge)/Cu(100). <i>Physical Review B</i> , 1995, 51, 7195-7199.	1.1	24
118	Oxygen Induced Suppression of the Surface Magnetization of Gd(0001). <i>Physical Review Letters</i> , 1996, 76, 2802-2805.	2.9	24
119	Unidirectional spin-torque driven magnetization dynamics. <i>Physical Review B</i> , 2017, 95, .	1.1	24
120	Soft magnetic lithography and giant magnetoresistance in superconducting/ferromagnetic hybrids. <i>Physical Review B</i> , 2008, 78, .	1.1	23
121	Probing magnon-magnon coupling in exchange coupled $\text{Y}_3\text{Fe}_5\text{O}_{12}$ /Permalloy bilayers with magneto-optical effects. <i>Scientific Reports</i> , 2020, 10, 12548.	1.6	23
122	Magnetic properties of c-axis textured Nd <sub>2</sub> /Fe <sub>14</sub> B thin films. <i>IEEE Transactions on Magnetics</i> , 1996, 32, 4440-4442.	1.2	22
123	In-situ studies of stress- and magnetic-field-induced phase transformation in a polymer-bonded Ni-Co-Mn-In composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 3561-3571.	2.6	22
124	Unanticipated Proximity Behavior in Ferromagnet-Superconductor Heterostructures with Controlled Magnetic Noncollinearity. <i>Physical Review Letters</i> , 2013, 110, 177001.	2.9	22
125	Structure and magnetism of epitaxial rare-earth transition-metal films. <i>Journal of Applied Physics</i> , 1997, 81, 5637-5639.	1.1	21
126	Multiplexing surface plasmon polaritons on nanowires. <i>Applied Physics Letters</i> , 2007, 91, 083115.	1.5	21

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127	Spin Hall effects in metallic antiferromagnets – perspectives for future spin-orbitronics. AIP Advances, 2016, 6, .	0.6	21
128	Quantifying chiral exchange interaction for Néel-type skyrmions via Lorentz transmission electron microscopy. Physical Review B, 2019, 99, .	1.1	21
129	Magnetic Instability Regions in Patterned Structures: Influence of Element Shape on Magnetization Reversal Dynamics. Physical Review Letters, 2007, 98, 147202.	2.9	20
130	Asymmetric ferromagnet-superconductor-ferromagnet switch. Physical Review B, 2008, 77, .	1.1	20
131	Enhancing superconducting critical current by randomness. Physical Review B, 2016, 93, .	1.1	20
132	Electron-beam tip/sample heating device for a scanning tunneling microscopy. Review of Scientific Instruments, 2005, 76, 123703.	0.6	19
133	Permalloy thin films exchange coupled to arrays of cobalt islands. Applied Physics Letters, 2006, 89, 142508.	1.5	19
134	Coupled vortex oscillations in mesoscale ferromagnetic double-disk structures. Physical Review B, 2012, 86, .	1.1	19
135	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
136	Controlled interconversion of quantized spin wave modes via local magnetic fields. Physical Review B, 2019, 100, .	1.1	19
137	Evidence of vortex jamming in Abrikosov vortex flux flow regime. Physical Review B, 2012, 86, .	1.1	18
138	Magnetization reversal in Py/Gd heterostructures. Physical Review B, 2017, 96, .	1.1	18
139	Vortex dynamics and frequency splitting in vertically coupled nanomagnets. Scientific Reports, 2017, 7, 1127.	1.6	17
140	Orbital-flop Induced Magnetoresistance Anisotropy in Rare Earth Monopnictide CeSb. Nature Communications, 2019, 10, 2875.	5.8	17
141	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
142	Spin-wave frequency division multiplexing in an yttrium iron garnet microstripe magnetized by inhomogeneous field. Applied Physics Letters, 2019, 115, .	1.5	16
143	Observation of an antiferromagnetic quantum critical point in high-purity LaNiO <sub>3</sub> . Nature Communications, 2020, 11, 1402.	5.8	16
144	Magnetic properties of ultrathin Fe films grown on stepped W(001) and Pd(001) substrates. Journal of Applied Physics, 1999, 85, 4958-4960.	1.1	15

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145	Hard-axis magnetization behavior and the surface spin-flop transition in antiferromagnetic Fe <sup>2+</sup> Cr(100) superlattices. <i>Physical Review B</i> , 2006, 73, .	1.1	15
146	Integrated performance of a frequency domain multiplexing readout in the SPT-3G receiver. <i>Proceedings of SPIE</i> , 2016, , .	0.8	15
147	Large anomalous Nernst and inverse spin-Hall effects in epitaxial thin films of kagome semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> <i>Physical Review Materials</i> , 2020, 4, .	0.9	15
148	Disorder-tuning of hysteresis-loop properties in Co/CoO-film structures. <i>Physica B: Condensed Matter</i> , 2001, 306, 235-239.	1.3	14
149	Mapping microwave field distributions via the spin Hall effect. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	14
150	Simultaneous Optical and Electrical Spin-Torque Magnetometry with Phase-Sensitive Detection of Spin Precession. <i>Physical Review Applied</i> , 2019, 11, .	1.5	14
151	Structural and magnetic studies of fcc Fe films with self-organized lateral modulation on striped Cu(110)â€“O(2Å–1) substrates. <i>Journal of Applied Physics</i> , 1999, 85, 5285-5287.	1.1	13
152	Molecular beam epitaxy of the magnetic Kagome metal FeSn on LaAlO <sub>3</sub> (111). <i>AIP Advances</i> , 2020, 10, .	0.6	13
153	Solidâ€“state reactions in highâ€“temperature superconductorâ€“ceramic interfaces; Yâ€“Baâ€“Cuâ€“O on Al <sub>2</sub> O <sub>3</sub> versus yttriaâ€“stabilized ZrO <sub>2</sub> , and MgO. <i>Journal of Applied Physics</i> , 1990, 67, 2524-2527.	1.1	12
154	Magnetoresistance Anisotropy of a One-Dimensional Superconducting Niobium Strip. <i>Physical Review Letters</i> , 2008, 101, 077003.	2.9	12
155	Tailoring the magnetization reversal of elliptical dots using exchange bias (invited). <i>Journal of Applied Physics</i> , 2008, 103, 07C109.	1.1	12
156	Time Refraction of Spin Waves. <i>Physical Review Letters</i> , 2021, 126, 137201.	2.9	12
157	Electric field control of magnon spin currents in an antiferromagnetic insulator. <i>Science Advances</i> , 2021, 7, eabg1669.	4.7	12
158	Dissociative nitrogen chemisorption and bonding on Gd(0001). <i>Surface Science</i> , 1995, 341, L1072-L1077.	0.8	11
159	Spin polarization of the conduction bands and secondary electrons of Gd(0001). <i>Journal of Applied Physics</i> , 1996, 79, 5838.	1.1	11
160	Coexistence of magnetism and superconductivity in epitaxial GdN/W/NbN/W (100) and related NbN/W (100) multilayers. <i>Journal of Applied Physics</i> , 1998, 84, 940-944.	1.1	11
161	Direct Imaging of Resonant Phonon-Magnon Coupling. <i>Physical Review Applied</i> , 2021, 15, .	1.5	11
162	Magnetic stability of novel exchange coupled systems. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000, 18, 1269-1272.	0.9	10

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163	Self-assembled one-dimensional magnetic Ising chains: $\epsilon$ -Co/Ru(0001). <i>Physical Review B</i> , 2002, 66, .	1.1	10
164	Magnetic domains and magnetostatic interactions of self-assembled Co dots. <i>Journal of Applied Physics</i> , 2002, 91, 6955.	1.1	10
165	Selective growth of Co nanoislands on an oxygen-patterned Ru(0001) surface. <i>Physical Review B</i> , 2005, 72, .	1.1	10
166	A broadband imaging system for research applications. <i>Review of Scientific Instruments</i> , 2009, 80, 056104.	0.6	10
167	Static and dynamic properties of Fibonacci multilayers. <i>Journal of Applied Physics</i> , 2013, 113, 17C102.	1.1	10
168	Distinguishing antiferromagnetic spin sublattices via the spin Seebeck effect. <i>Physical Review B</i> , 2021, 103, .	1.1	10
169	Growth and magnetic properties of ultrathin Fe on Pd(110). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001, 19, 1182-1185.	0.9	9
170	Element-specific recoil loops in $\text{Sm}^{\text{Co}}\text{Fe}$ exchange-spring magnets. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	9
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