

# Axel F Hoffmann

## List of Publications by Year in descending order

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313  
papers

18,980  
citations

16451

64  
h-index

12597

132  
g-index

326  
all docs

326  
docs citations

326  
times ranked

13904  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin dynamics in permalloy nano-ellipses for honeycomb and square lattices. AIP Advances, 2022, 12, 035131.	1.3	1
2	Neuromorphic computing: Challenges from quantum materials to emergent connectivity. Applied Physics Letters, 2022, 120, .	3.3	9
3	Antiferromagnets for spintronics. Journal of Magnetism and Magnetic Materials, 2022, 553, 169216.	2.3	7
4	Structural and magnetic properties of Pt/Co/Mn-based multilayers. Physical Review Materials, 2022, 6, .	2.4	1
5	Multiple magnetic droplet solitons from exotic spin-orbit torques. Applied Physics Letters, 2022, 120, .	3.3	0
6	Unidirectional Magnetoresistance in Antiferromagnet/Heavy-Metal Bilayers. Physical Review X, 2022, 12, .	8.9	6
7	Detecting Phase-Resolved Magnetization Dynamics by Magneto-Optic Effects at 1550 nm Wavelength. IEEE Transactions on Magnetics, 2021, 57, 1-7.	2.1	3
8	Topological Hall Effect in a Topological Insulator Interfaced with a Magnetic Insulator. Nano Letters, 2021, 21, 84-90.	9.1	28
9	Distinguishing antiferromagnetic spin sublattices via the spin Seebeck effect. Physical Review B, 2021, 103, .	3.2	10
10	Direct Imaging of Resonant Phonon-Magnon Coupling. Physical Review Applied, 2021, 15, .	3.8	11
11	Quantum Engineering With Hybrid Magnonic Systems and Materials (Invited Paper). IEEE Transactions on Quantum Engineering, 2021, 2, 1-36.	4.9	69
12	Hidden polymorphism of FAPbI <sub>3</sub> discovered by Raman spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 9476-9482.	2.8	7
13	Temperature-dependent collective magnetization reversal in a network of ferromagnetic nanowires. AIP Advances, 2021, 11, .	1.3	4
14	Time Refraction of Spin Waves. Physical Review Letters, 2021, 126, 137201.	7.8	12
15	Nanoscale InN clusters and compositional inhomogeneities in InGaN epitaxial layers quantified by tip-enhanced Raman scattering. Applied Physics Letters, 2021, 118, .	3.3	1
16	Phase-resolved electrical detection of coherently coupled magnonic devices. Applied Physics Letters, 2021, 118, 202403.	3.3	3
17	Advances in coherent coupling between magnons and acoustic phonons. APL Materials, 2021, 9, .	5.1	42
18	Proximity-induced anisotropic magnetoresistance in magnetized topological insulators. Applied Physics Letters, 2021, 118, .	3.3	7

#	ARTICLE	IF	CITATIONS
19	Antiferromagnetic Oxide Thin Films for Spintronic Applications. <i>Coatings</i> , 2021, 11, 786.	2.6	7
20	Large spin-to-charge conversion in ultrathin gold-silicon multilayers. <i>Physical Review Materials</i> , 2021, 5, .	2.4	2
21	Roadmap of Spin-Orbit Torques. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-39.	2.1	225
22	Coherent control of asymmetric spintronic terahertz emission from two-dimensional hybrid metal halides. <i>Nature Communications</i> , 2021, 12, 5744.	12.8	24
23	Field-Tunable Interactions and Frustration in Underlayer-Mediated Artificial Spin Ice. <i>Physical Review Letters</i> , 2021, 127, 117203.	7.8	9
24	Electric field control of magnon spin currents in an antiferromagnetic insulator. <i>Science Advances</i> , 2021, 7, eabg1669.	10.3	12
25	Thermal and hybridized magnons. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 539, 168391.	2.3	1
26	Ferromagnetic resonance in single vertices and 2D lattices macro-dipoles of elongated nanoelements: measurements and simulations. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 065803.	1.8	2
27	Hybrid Magnon Modes. , 2021, , .		0
28	Hybrid magnonics: Physics, circuits, and applications for coherent information processing. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	141
29	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.	3.3	23
30	Influence of the Vertex Region on Spin Dynamics in Artificial Kagome Spin Ice. <i>Physical Review Applied</i> , 2020, 14, .	3.8	22
31	Metallic antiferromagnets. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	57
32	Dynamic excitations of chiral magnetic textures. <i>APL Materials</i> , 2020, 8, .	5.1	28
33	Coupled skyrmion breathing modes in synthetic ferri- and antiferromagnets. <i>Physical Review B</i> , 2020, 102, .	3.2	20
34	Intrinsic Mechanism for Anisotropic Magnetoresistance and Experimental Confirmation in $\text{Co}/\text{MgO}$ Single-Crystal Films. <i>Physical Review Letters</i> , 2020, 125, 097201.	7.8	38
35	Phonon Transport Controlled by Ferromagnetic Resonance. <i>Physical Review Applied</i> , 2020, 13, .	3.8	28
36	Control of spin dynamics in artificial honeycomb spin-ice-based nanodisks. <i>Physical Review B</i> , 2020, 101, .	3.2	10

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37	Coherent Spin Pumping in a Strongly Coupled Magnon-Magnon Hybrid System. Physical Review Letters, 2020, 124, 117202.	7.8	75
38	Temperature-dependent anisotropic magnetoresistance and spin-torque-driven vortex dynamics in a single microdisk. Journal of Applied Physics, 2020, 127, .	2.5	4
39	Vibrational dynamics in lead halide hybrid perovskites investigated by Raman spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 5604-5614.	2.8	61
40	Magnetic Damping Modulation in $\text{IrMn}$ via the Magnetic Spin Hall Effect. Physical Review Letters, 2020, 124, 087204.	3.1	4
41	Spin pumping gathers speed. Science, 2020, 368, 135-136.	12.6	4
42	Strong Near-Field Light-Matter Interaction in Plasmon-Resonant Tip-Enhanced Raman Scattering in Indium Nitride. Journal of Physical Chemistry C, 2020, 124, 28178-28185.	3.1	4
43	Direct observation of spin accumulation in Cu induced by spin pumping. Physical Review Research, 2020, 2, .	3.6	8
44	Experimental parameters, combined dynamics, and nonlinearity of a magnonic-opto-electronic oscillator (MOEO). Review of Scientific Instruments, 2020, 91, 125105.	1.3	6
45	Direct Detection of Multiple Backward Volume Modes in Yttrium Iron Garnet at Micron Scale Wavelengths. Proceedings (mdpi), 2019, 26, 48.	0.2	0
46	Magnetization switching using topological surface states. Science Advances, 2019, 5, eaaw3415.	10.3	65
47	Controlled interconversion of quantized spin wave modes via local magnetic fields. Physical Review B, 2019, 100, .	3.2	19
48	Strong Coupling between Magnons and Microwave Photons in On-Chip Ferromagnet-Superconductor Thin-Film Devices. Physical Review Letters, 2019, 123, 107701.	7.8	121
49	Direct detection of multiple backward volume modes in yttrium iron garnet at micron scale wavelengths. Physical Review B, 2019, 99, .	3.2	6
50	Angular-dependent spin dynamics of a triad of permalloy macrospins. Physical Review B, 2019, 99, .	3.2	19
51	Spin Seebeck effect in insulating $\text{SrFeO}_3$ films. Applied Physics Letters, 2019, 114, 242403.	3.3	9
52	Giant Anisotropy of Gilbert Damping in Epitaxial CoFe Films. Physical Review Letters, 2019, 122, 117203.	7.8	70
53	Simultaneous Optical and Electrical Spin-Torque Magnetometry with Phase-Sensitive Detection of Spin Precession. Physical Review Applied, 2019, 11, .	3.8	14
54	Optical Detection of Phase-Resolved Ferromagnetic Resonance in Epitaxial FeCo Thin Films. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	4

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55	Quantifying chiral exchange interaction for Néel-type skyrmions via Lorentz transmission electron microscopy. <i>Physical Review B</i> , 2019, 99, .	3.2	21
56	Study of Surface Character of Micrometer-Scale Dipole-Exchange Spin Waves in an Yttrium Iron Garnet Film. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-4.	2.1	2
57	Magnetostatic spin-waves in an yttrium iron garnet thin film: Comparison between theory and experiment for arbitrary field directions. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	1
58	Ferromagnetic resonance spectra of permalloy nano-ellipses as building blocks for complex magnonic lattices. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	16
59	Tuning edge-localized spin waves in magnetic microstrips by proximate magnetic structures. <i>Physical Review B</i> , 2019, 100, .	3.2	11
60	Generation and Hall effect of skyrmions enabled using nonmagnetic point contacts. <i>Physical Review B</i> , 2019, 100, .	3.2	14
61	Spin-wave frequency division multiplexing in an yttrium iron garnet microstripe magnetized by inhomogeneous field. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	16
62	Spin caloritronic Measurements: A Round Robin Comparison of the Longitudinal Spin Seebeck Effect. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 1765-1773.	4.7	19
63	Terahertz emission from magnetic thin film and patterned heterostructures. , 2019, , .		7
64	Coupled macrospins: Mode dynamics in symmetric and asymmetric vertices. <i>AIP Advances</i> , 2018, 8, 056020.	1.3	6
65	Spin transport and spin torque in antiferromagnetic devices. <i>Nature Physics</i> , 2018, 14, 220-228.	16.7	298
66	Perspectives of antiferromagnetic spintronics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 865-871.	2.1	209
67	A quantum optical study of thresholdless lasing features in high- $\hat{I}^2$ nitride nanobeam cavities. <i>Nature Communications</i> , 2018, 9, 564.	12.8	50
68	Excitation of the three principal spin waves in yttrium iron garnet using a wavelength-specific multi-element antenna. <i>AIP Advances</i> , 2018, 8, 056015.	1.3	4
69	Mutual influence between macrospin reversal order and spin-wave dynamics in isolated artificial spin-ice vertices. <i>Physical Review B</i> , 2018, 97, .	3.2	30
70	A new twist on phonons. <i>Nature Physics</i> , 2018, 14, 433-434.	16.7	3
71	Measurements of long-wavelength spin waves for the magnetic field in the Damon-Eshbach, backward-volume and forward-volume geometries of an yttrium iron garnet film. <i>Journal of Applied Physics</i> , 2018, 123, 123902.	2.5	1
72	Spin Caloritronic Measurements: A Round Robin Comparison of the Longitudinal Spin Seebeck Effect. , 2018, , .		1

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73	Thickness dependence of spin wave dynamics in three-fold nano-ellipse clusters. AIP Advances, 2018, 8, 101502.	1.3	1
74	Linear and nonlinear spin-wave dynamics in ultralow-damping microstructured Co <sub>2</sub> FeAl Heusler waveguide. Applied Physics Letters, 2018, 113, .	3.3	4
75	Fresnel diffraction of spin waves. Physical Review B, 2018, 98, .	3.2	15
76	Independence of spin-orbit torques from the exchange bias direction in $N_{i81}F_x$ Nontrivial Nature and Penetration Depth of Topological Surface States in $\text{IrMn}/\text{SmB}$ Thin Films. Physical Review Letters, 2018, 120, 207206.	3.2	35
77	Control of Terahertz Emission by Ultrafast Spin-Charge Current Conversion at Rashba Interfaces. Physical Review Letters, 2018, 120, 207207.	7.8	17
78	Size analysis of sub-resolution objects by Kerr microscopy. Applied Physics Letters, 2018, 112, .	3.3	14
79	Room temperature deposition of superconducting niobium nitride films by ion beam assisted sputtering. APL Materials, 2018, 6, 076107.	5.1	26
80	Imaging Magnetic Domains in Functional Nanoscale Heterostructures using Lorentz microscopy. Microscopy and Microanalysis, 2018, 24, 910-911.	0.4	0
81	Unidirectional response in spin-torque driven magnetization dynamics. , 2018, , .		0
82	Insulating Nanomagnets Driven by Spin Torque. Nano Letters, 2017, 17, 8-14.	9.1	29
83	Spin-Orbit Torques and Spin Dynamics. Springer Series in Solid-state Sciences, 2017, , 355-385.	0.3	3
84	Determination of spin relaxation times in heavy metals via second-harmonic spin injection magnetoresistance. Physical Review B, 2017, 96, .	3.2	14
85	Magnetic vortex nucleation/annihilation in artificial-ferrimagnet microdisks. Journal of Applied Physics, 2017, 122, 083903.	2.5	5
86	Skyrmions in magnetic multilayers. Physics Reports, 2017, 704, 1-49.	25.6	412
87	Magnetization reversal in Py/Gd heterostructures. Physical Review B, 2017, 96, .	3.2	18
88	Magneto-resistive detection of strongly pinned uncompensated magnetization in antiferromagnetic FeMn. Physical Review B, 2017, 95, .	3.2	8
89	Interface-induced phenomena in magnetism. Reviews of Modern Physics, 2017, 89, .	45.6	672

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91	Unidirectional spin-torque driven magnetization dynamics. <i>Physical Review B</i> , 2017, 95, .	3.2	24
92	Direct observation of the skyrmion Hall effect. <i>Nature Physics</i> , 2017, 13, 162-169.	16.7	858
93	High-Frequency Dynamics Modulated by Collective Magnetization Reversal in Artificial Spin Ice. <i>Physical Review Applied</i> , 2017, 8, .	3.8	29
94	Domain behavior in functional materials studied using Lorentz microscopy. <i>Microscopy and Microanalysis</i> , 2016, 22, 1680-1681.	0.4	0
95	Spin Vortex Resonance in Non-planar Ferromagnetic Dots. <i>Scientific Reports</i> , 2016, 6, 25196.	3.3	6
96	Gyrotropic frequency control in ferromagnetic dots using a nanoscale vortex barrier. <i>AIP Advances</i> , 2016, 6, .	1.3	3
97	Mobile Néel skyrmions at room temperature: status and future. <i>AIP Advances</i> , 2016, 6, .	1.3	38
98	The effect of illumination power density on carbon defect configuration in silicon doped GaN. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	17
99	Perspective: Interface generation of spin-orbit torques. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	42
100	Spin valve with non-collinear magnetization configuration imprinted by a static magnetic field. <i>AIP Advances</i> , 2016, 6, 056107.	1.3	2
101	Research Update: Spin transfer torques in permalloy on monolayer MoS <sub>2</sub> . <i>APL Materials</i> , 2016, 4, .	5.1	75
102	Spin Hall effects in metallic antiferromagnets – perspectives for future spin-orbitronics. <i>AIP Advances</i> , 2016, 6, .	1.3	21
103	Tailoring transport properties of phase-separated manganite films with ordered magnetic nanostructures. <i>Physical Review B</i> , 2016, 94, .	3.2	0
104	Dynamic response of an artificial square spin ice. <i>Physical Review B</i> , 2016, 93, .	3.2	71
105	Antiferromagnetic Spin Seebeck Effect. <i>Physical Review Letters</i> , 2016, 116, 097204.	7.8	248
106	Generation of magnetic skyrmion bubbles by inhomogeneous spin Hall currents. <i>Physical Review B</i> , 2016, 93, .	3.2	45
107	Interface-driven spin-torque ferromagnetic resonance by Rashba coupling at the interface between nonmagnetic materials. <i>Physical Review B</i> , 2016, 93, .	3.2	65
108	Large Spin-Wave Bullet in a Ferrimagnetic Insulator Driven by the Spin Hall Effect. <i>Physical Review Letters</i> , 2016, 116, 057601.	7.8	66

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109	Spin-orbit torque-assisted switching in magnetic insulator thin films with perpendicular magnetic anisotropy. Nature Communications, 2016, 7, 12688.	12.8	85
110	Spin transport through the metallic antiferromagnet FeMn. Physical Review B, 2016, 94, .	3.2	38
111	All-electrical detection of spin dynamics in magnetic antidot lattices by the inverse spin Hall effect. Applied Physics Letters, 2016, 108, 052403.	3.3	9
112	Epitaxial patterning of nanometer-thick $\text{Y}_3\text{Fe}_5\text{O}_{12}$ films with low magnetic damping. Nanoscale, 2016, 8, 388-394.	5.6	41
113	Driving magnetization dynamics with interfacial spin-orbit torques (Conference Presentation). , 2016, , .		0
114	Mesoscopic magnetism and superconductivity. MRS Bulletin, 2015, 40, 925-932.	3.5	7
115	All-electrical manipulation of magnetization dynamics in a ferromagnet by antiferromagnets with anisotropic spin Hall effects. Physical Review B, 2015, 92, .	3.2	95
116	Electric manipulation of skyrmions in metals and insulators. , 2015, , .		0
117	Desorption induced GaN quantum dots on (0001) AlN by MOVPE. Physica Status Solidi - Rapid Research Letters, 2015, 9, 526-529.	2.4	9
118	A Small Signal Amplifier Based on Ionic Liquid Gated Black Phosphorous Field Effect Transistor. IEEE Electron Device Letters, 2015, 36, 621-623.	3.9	13
119	Spin pumping and inverse spin Hall effects—Insights for future spin-orbitronics (invited). Journal of Applied Physics, 2015, 117, .	2.5	47
120	Blowing magnetic skyrmion bubbles. Science, 2015, 349, 283-286.	12.6	1,177
121	Reduced spin-Hall effects from magnetic proximity. Physical Review B, 2015, 91, .	3.2	74
122	Driving and detecting ferromagnetic resonance in insulators with the spin Hall effect. Physical Review B, 2015, 92, .	3.2	48
123	Opportunities at the Frontiers of Spintronics. Physical Review Applied, 2015, 4, .	3.8	287
124	A new reversal mode in exchange coupled antiferromagnetic/ferromagnetic disks: distorted viscous vortex. Nanoscale, 2015, 7, 9878-9885.	5.6	18
125	Spin Seebeck devices using local on-chip heating. Journal of Applied Physics, 2015, 117, .	2.5	28
126	Spin pumping and inverse Rashba-Edelstein effect in NiFe/Ag/Bi and NiFe/Ag/Sb. Journal of Applied Physics, 2015, 117, .	2.5	96



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127	Spin waves in micro-structured yttrium iron garnet nanometer-thick films. Journal of Applied Physics, 2015, 117, .	2.5	50
128	New Pathways Towards Efficient Metallic Spin Hall Spintronics. Spin, 2015, 05, 1530005.	1.3	13
129	Mesoscale magnetism. Current Opinion in Solid State and Materials Science, 2015, 19, 253-263.	11.5	20
130	Preface to Special Topic: Invited Papers of the 58th Annual Conference on Magnetism and Magnetic Materials, Denver, Colorado, USA, November 2013. Journal of Applied Physics, 2014, 115, 172501.	2.5	0
131	Preface: Proceedings of the 58th Annual Conference on Magnetism and Magnetic Materials, Denver, Colorado, USA, November 2013. Journal of Applied Physics, 2014, 115, 17A101.	2.5	1
132	Ferromagnetic resonance of sputtered yttrium iron garnet nanometer films. Journal of Applied Physics, 2014, 115, .	2.5	129
133	Realization of a spin-wave multiplexer. Nature Communications, 2014, 5, 3727.	12.8	314
134	Spin Hall Effects in Metallic Antiferromagnets. Physical Review Letters, 2014, 113, 196602.	7.8	313
135	Tunable Transport Gap in Phosphorene. Nano Letters, 2014, 14, 5733-5739.	9.1	657
136	Nanometer-Thick Yttrium Iron Garnet Films With Extremely Low Damping. IEEE Magnetics Letters, 2014, 5, 1-4.	1.1	254
137	Study of critical exponents in doped $\text{La}_{2/3}\text{Ca}_{1/3}\text{Mn}_{1-y}\text{Fe}_y\text{O}_3$ ( $y \approx 0, 0.03$ ) manganite films. Applied Physics A: Materials Science and Processing, 2014, 117, 937-943.	2.3	7
138	Observation of microwave-assisted magnetization reversal in perpendicular recording media. Applied Physics Letters, 2013, 103, 042413.	3.3	28
139	Damping in Yttrium Iron Garnet Nanoscale Films Capped by Platinum. Physical Review Letters, 2013, 111, 106601.	7.8	227
140	Dependence of spin-pumping spin Hall effect measurements on layer thicknesses and stacking order. Physical Review B, 2013, 88, .	3.2	111
141	Spin Hall Effects in Metals. IEEE Transactions on Magnetics, 2013, 49, 5172-5193.	2.1	927
142	Effects of strain on the valence band structure and exciton-polariton energies in ZnO. Physical Review B, 2013, 88, .	3.2	42
143	Universal Method for Separating Spin Pumping from Spin Rectification Voltage of Ferromagnetic Resonance. Physical Review Letters, 2013, 111, 217602.	7.8	117
144	Influence of the Thickness of the Ferro- and Antiferromagnetic Phases on Magnetic Properties in Epitaxial Heterostructures Based on Exchange Biased La-Ca-Mn-O System. IEEE Transactions on Magnetics, 2013, 49, 4576-4581.	2.1	2

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145	Static and dynamic properties of Fibonacci multilayers. Journal of Applied Physics, 2013, 113, 17C102.	2.5	10
146	Magnetization Dynamics Through Magnetoimpedance Effect in Isotropic Co <sub>2</sub> FeAl/Au/Co <sub>2</sub> FeAl Full-Heusler Alloy Trilayer Films. Applied Physics Express, 2013, 6, 093001.	2.4	6
147	Magnetic field dependence of non-local lateral spin-valve signals beyond the Hanle effect. Journal of Physics Condensed Matter, 2013, 25, 216007.	1.8	2
148	Determination of the Pt spin diffusion length by spin-pumping and spin Hall effect. Applied Physics Letters, 2013, 103, .	3.3	141
149	Make your Spins Spin. Physics Magazine, 2013, 6, .	0.1	4
150	Effect of Interface-Induced Exchange Fields on Cuprate-Manganite Spin Switches. Physical Review Letters, 2012, 108, 207205.	7.8	22
151	Thermoelectric Detection of Spin Waves. Physical Review Letters, 2012, 109, 237204.	7.8	27
152	Mapping microwave field distributions via the spin Hall effect. Applied Physics Letters, 2012, 101, .	3.3	14
153	Spin waves turning a corner. Applied Physics Letters, 2012, 101, 042410.	3.3	131
154	Superconducting Vortex Pinning with Magnetic Dots: Does Size and Magnetic Configuration Matter?. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2187-2191.	1.8	11
155	Cali Conference – 1st Centennial of Superconductivity: Trends in Nanoscale Superconductivity and Magnetism. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2117-2117.	1.8	0
156	Growth and ferromagnetic resonance properties of nanometer-thick yttrium iron garnet films. Applied Physics Letters, 2012, 101, .	3.3	210
157	Anomalous magnetoresistance in Fibonacci multilayers. Physical Review B, 2012, 85, .	3.2	9
158	Electric control of magnetization relaxation in thin film magnetic insulators. Applied Physics Letters, 2011, 99, .	3.3	47
159	Role of anisotropy configuration in exchange-biased systems. Journal of Applied Physics, 2011, 109, .	2.5	24
160	Temperature dependent photoluminescence of lateral polarity junctions of metal organic chemical vapor deposition grown GaN. Journal of Applied Physics, 2011, 110, .	2.5	45
161	Anti-phase domains in cubic GaN. Journal of Applied Physics, 2011, 110, .	2.5	26
162	Symmetrical interfacial reconstruction and magnetism in La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> /YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> heterostructures. Physical Review B, 2011, 84, .	3.2	29

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163	Magnetic-field enhancement of nonlocal spin signal in Ni80Fe20/Ag lateral spin valves. Physical Review B, 2011, 84, .	3.2	5
164	Suppression of spin-pumping by a MgO tunnel-barrier. Applied Physics Letters, 2010, 96, .	3.3	58
165	Broadband Mag-Noise of Patterned Permalloy Thin Films. IEEE Transactions on Magnetics, 2010, 46, 2442-2445.	2.1	6
166	Optical properties of InN grown on templates with controlled surface polarities. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2351-2354.	1.8	7
167	Clebsch-Gordan coefficients for scattering tensors in ZnO and other wurtzite semiconductors. Physica Status Solidi (B): Basic Research, 2010, 247, 1802-1806.	1.5	1
168	Addendum: "Sol-gel synthesized ferroelectric nanoparticles investigated by piezoresponse force microscopy" [Appl. Phys. Lett. 95, 202901 (2009)]. Applied Physics Letters, 2010, 96, 139901.	3.3	1
169	Quantifying Spin Hall Angles from Spin Pumping: Experiments and Theory. Physical Review Letters, 2010, 104, 046601.	7.8	603
170	Surface Spin Flip Probability of Mesoscopic Ag Wires. Physical Review Letters, 2010, 104, 237202.	7.8	55
171	Directionally controlled superconductivity in ferromagnet/superconductor/ferromagnet trilayers with biaxial easy axes. Physical Review B, 2010, 81, .	3.2	15
172	Polariton effects in the dielectric function of ZnO excitons obtained by ellipsometry. Applied Physics Letters, 2010, 96, .	3.3	20
173	Enhanced spin signals due to native oxide formation in Ni80Fe20/Ag lateral spin valves. Applied Physics Letters, 2010, 97, .	3.3	31
174	Low-voltage nanodomain writing in He-implanted lithium niobate crystals. Applied Physics Letters, 2010, 96, .	3.3	15
175	Magnetic memory based on La0.7Ca0.3MnO3/YBa2Cu3O7/La0.7Ca0.3MnO3 ferromagnet/superconductor hybrid structures. Applied Physics Letters, 2010, 97, 032501.	3.3	16
176	Temperature dependent nucleation and annihilation of individual magnetic vortices. Applied Physics Letters, 2010, 96, .	3.3	33
177	Lithium related deep and shallow acceptors in Li-doped ZnO nanocrystals. Journal of Applied Physics, 2010, 107, .	2.5	68
178	Detection and quantification of inverse spin Hall effect from spin pumping in permalloy/normal metal bilayers. Physical Review B, 2010, 82, .	3.2	439
179	Magnetic depth profile of a modulation-doped La1-xCaxMnO3 exchange-biased system. Physical Review B, 2009, 80, .	3.2	4
180	Direct-current effects on magnetization reversal properties of submicron-size Permalloy patterns for radio-frequency devices. Applied Physics Letters, 2009, 95, .	3.3	21

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181	Sol-gel derived ferroelectric nanoparticles investigated by piezoresponse force microscopy. Applied Physics Letters, 2009, 95, .	3.3	19
182	Emergence of noncollinear anisotropies from interfacial magnetic frustration in exchange-bias systems. Physical Review B, 2009, 80, .	3.2	111
183	Imaging of lateral spin valves with soft x-ray microscopy. Physical Review B, 2009, 80, .	3.2	9
184	Highly asymmetric magnetic behavior in exchange biased systems induced by noncollinear field cooling. Applied Physics Letters, 2009, 95, .	3.3	56
185	Micro-Hall position sensing of magnetic nanowires. Journal of Applied Physics, 2009, 106, .	2.5	5
186	Direct Current Effects on High-Frequency Properties of Patterned Permalloy Thin Films. IEEE Transactions on Magnetics, 2009, 45, 5296-5300.	2.1	17
187	Nitrogen incorporation in homoepitaxial ZnO CVD epilayers. Physica Status Solidi - Rapid Research Letters, 2009, 3, 16-18.	2.4	28
188	Negative Nonlocal Resistance in Mesoscopic Gold Hall Bars: Absence of the Giant Spin Hall Effect. Physical Review Letters, 2009, 103, 166601.	7.8	84
189	Tailoring High-Frequency Properties of Permalloy Films by Submicrometer Patterning. IEEE Transactions on Magnetics, 2009, 45, 71-74.	2.1	18
190	X-ray Magnetic Circular Dichroism and Small Angle Neutron Scattering Studies of Thiol Capped Gold Nanoparticles. Journal of Nanoscience and Nanotechnology, 2009, 9, 6434-6438.	0.9	24
191	Magneto-optic measurement of Brownian relaxation of magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2008, 320, 91-95.	2.3	24
192	Superconducting vortex pinning with artificial magnetic nanostructures. Journal of Magnetism and Magnetic Materials, 2008, 320, 2547-2562.	2.3	192
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