

Christian Back

List of Publications by Year in descending order

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209
papers

11,610
citations

28242

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217
all docs

217
docs citations

217
times ranked

8285
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable gigahertz dynamics of low-temperature skyrmion lattice in a chiral magnet. Journal of Physics Condensed Matter, 2022, 34, 095801.	0.7	4
2	Connections between spin-orbit torques and unidirectional magnetoresistance in ferromagnetic-metal/heavy-metal heterostructures. Physical Review B, 2022, 105, .	1.1	8
3	Mode selective excitation of spin waves. Applied Physics Letters, 2022, 120, .	1.5	5
4	Advances in Magnetics Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetics, 2022, 58, 1-72.	1.2	179
5	Transport properties of band engineered heterostructures of epitaxial		

#	ARTICLE	IF	CITATIONS
19	Transient quantum isolation and critical behavior in the magnetization dynamics of half-metallic manganites. <i>Physical Review B</i> , 2019, 100, .	1.1	10
20	Magnetic and electrical transport signatures of uncompensated moments in epitaxial thin films of the noncollinear antiferromagnet Mn ₃ Ir. <i>Applied Physics Letters</i> , 2019, 115, 062403.	1.5	12
21	Magnetization dynamics and related phenomena in semiconductors with ferromagnetism. <i>Journal of Semiconductors</i> , 2019, 40, 081502.	2.0	1
22	Ferromagnetic Resonance with Magnetic Phase Selectivity by Means of Resonant Elastic X-Ray Scattering on a Chiral Magnet. <i>Physical Review Letters</i> , 2019, 123, 167201.	2.9	15
23	Electrical detection of ferromagnetic resonances with an organic light-emitting diode. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 485108.	1.3	0
24	Eric Beaupreire a pioneer of ultrafast magnetism and organic spintronics passed away on April 24, 2018. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 478, 279-280.	1.0	0
25	Spin torque nano-oscillator driven by combined spin injection from tunneling and spin Hall current. <i>Communications Physics</i> , 2019, 2, .	2.0	38
26	Coherent Excitation of Heterosymmetric Spin Waves with Ultrashort Wavelengths. <i>Physical Review Letters</i> , 2019, 122, 117202.	2.9	69
27	Special issue on spin caloritronics. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 230301.	1.3	12
28	X-ray magnetic linear dichroism as a probe for non-collinear magnetic state in ferrimagnetic single layer exchange bias systems. <i>Scientific Reports</i> , 2019, 9, 18169.	1.6	14
29	Emergence of anisotropic Gilbert damping in ultrathin Fe layers on GaAs(001). <i>Nature Physics</i> , 2018, 14, 490-494.	6.5	75
30	Spin-wave wavelength down-conversion at thickness steps. <i>Applied Physics Express</i> , 2018, 11, 053002.	1.1	13
31	Origin and Manipulation of Stable Vortex Ground States in Permalloy Nanotubes. <i>Nano Letters</i> , 2018, 18, 2828-2834.	4.5	28
32	Observation of room-temperature magnetic skyrmions in Pt/Co/W structures with a large spin-orbit coupling. <i>Physical Review B</i> , 2018, 98, .	1.1	25
33	Observation of a Goos-Hänchen-like Phase Shift for Magnetostatic Spin Waves. <i>Physical Review Letters</i> , 2018, 121, 137201.	2.9	17
34	Magnon scattering in the transport coefficients of CoFe thin films. <i>Physical Review B</i> , 2018, 98, .	1.1	7
35	Layer specific observation of slow thermal equilibration in ultrathin metallic nanostructures by femtosecond X-ray diffraction. <i>Nature Communications</i> , 2018, 9, 3335.	5.8	38
36	Electric-field control of interfacial spin-orbit fields. <i>Nature Electronics</i> , 2018, 1, 350-355.	13.1	26

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37	A microcalorimeter for simultaneous measurement of the electric and thermal transport coefficients in ferromagnetic thin films. Journal Physics D: Applied Physics, 2018, 51, 294006.	1.3	3
38	Optical investigation of electrical spin injection into an inverted two-dimensional electron gas structure. Physical Review B, 2017, 95, .	1.1	5
39	Magnetic properties of spin waves in thin yttrium iron garnet films. Physical Review B, 2017, 95, .	1.1	26
40	Magnetic damping in poly-crystalline Co ₂₅ Fe ₇₅ : Ferromagnetic resonance vs. spin wave propagation experiments. Applied Physics Letters, 2017, 111, .	1.5	14
41	Domain-width model for perpendicularly magnetized systems with Dzyaloshinskii-Moriya interaction. Physical Review B, 2017, 96, .	1.1	26
42	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. Spin, 2017, 07, 1740010.	0.6	65
43	Excitation and tailoring of diffractive spin-wave beams in NiFe using nonuniform microwave antennas. Physical Review B, 2017, 96, .	1.1	17
44	Quantifying the critical thickness of electron hybridization in spintronics materials. Nature Communications, 2017, 8, 16051.	5.8	26
45	Magnetic properties in ultrathin transition-metal binary alloys. II. Experimental verification of quantitative theories of damping and spin pumping. Physical Review B, 2017, 95, .	1.1	49
46	Magnetic properties of ultrathin transition-metal binary alloys. I. Spin and orbital moments, anisotropy, and confirmation of Slater-Pauling behavior. Physical Review B, 2017, 95, .	1.1	47
47	Quantitative separation of the anisotropic magnetothermopower and planar Nernst effect by the rotation of an in-plane thermal gradient. Scientific Reports, 2017, 7, 40586.	1.6	20
48	Publisher's Note: Domain-width model for perpendicularly magnetized systems with Dzyaloshinskii-Moriya interaction [Phys. Rev. B 96, 144408 (2017)]. Physical Review B, 2017, 96, .	1.1	1
49	Entropy-limited topological protection of skyrmions. Science Advances, 2017, 3, e1701704.	4.7	116
50	Dynamical Defects in Rotating Magnetic Skyrmion Lattices. Physical Review Letters, 2017, 118, 207205.	2.9	40
51	Temperature-dependent transport properties of FeRh. Physical Review B, 2017, 95, .	1.1	22
52	Time Resolved Measurements of the Switching Trajectory of Pt/Co Elements Induced by Spin-Orbit Torques. Physical Review Letters, 2017, 118, 257201.	2.9	87
53	Switching probabilities of magnetic vortex core reversal studied by table top magneto optic Kerr microscopy. Applied Physics Letters, 2016, 108, .	1.5	3
54	Spin wave mediated unidirectional vortex core reversal by two orthogonal monopolar field pulses: The essential role of three-dimensional magnetization dynamics. Journal of Applied Physics, 2016, 119, .	1.1	9

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55	Robust spin-orbit torque and spin-galvanic effect at the Fe/GaAs (001) interface at room temperature. Nature Communications, 2016, 7, 13802.	5.8	48
56	Anisotropic Polar Magneto-Optic Kerr Effect of Ultrathin Fe/GaAs Heterostructures. Physical Review Letters, 2016, 117, 157202.	2.9	17
57	Spin-Orbit Interaction. Physical Review Letters, 2016, 117, 157202. Three-dimensional Character of the Magnetization Dynamics in Magnetic Vortex Structures: Hybridization of Flexure Cyromodes with Spin Waves. Physical Review Letters, 2016, 117, 037208.	2.9	17
58	Quantification of thermal fluctuations in stripe domain patterns. Physical Review B, 2016, 93, .	1.1	2
59	Snell's Law for Spin Waves. Physical Review Letters, 2016, 117, 037204.	2.9	87
60	Tuning Spin Hall Angles by Alloying. Physical Review Letters, 2016, 117, 167204.	2.9	94
61	Temperature and field dependent magnetization in a sub- $\lambda/4$ patterned Co/FeRh film studied by resonant x-ray scattering. Journal Physics D: Applied Physics, 2016, 49, 205003.	1.3	5
62	Epitaxial Growth of Room-Temperature Ferromagnetic MnAs Segments on GaAs Nanowires via Sequential Crystallization. Nano Letters, 2016, 16, 900-905.	4.5	18
63	The third dimension: Vortex core reversal by interaction with flexure modes. , 2015, , .		0
64	Dependence of transverse magnetothermoelectric effects on inhomogeneous magnetic fields. Physical Review B, 2015, 92, .	1.1	13
65	Spin pumping in YIG/Pt bilayers as a function of layer thickness. Physical Review B, 2015, 92, .	1.1	73
66	Non-linear radial spinwave modes in thin magnetic disks. Applied Physics Letters, 2015, 106, .	1.5	8
67	Spin Hall effects. Reviews of Modern Physics, 2015, 87, 1213-1260.	16.4	2,087
68	Interfacial Dzyaloshinskii-Moriya interaction studied by time-resolved scanning Kerr microscopy. Physical Review B, 2015, 92, .	1.1	21
69	Emergence of spin-orbit fields in magnetotransport of quasi-two-dimensional iron on gallium arsenide. Nature Communications, 2015, 6, 7374.	5.8	28
70	Real-time observation of domain fluctuations in a two-dimensional magnetic model system. Nature Communications, 2015, 6, 6832.	5.8	28
71	Magnetization dynamics in an exchange-coupled NiFe/CoFe bilayer studied by x-ray detected ferromagnetic resonance. New Journal of Physics, 2015, 17, 013019.	1.2	43
72	Electrical determination of vortex state in submicron magnetic elements. Physical Review B, 2015, 91, .	1.1	6

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73	Longitudinal spin Seebeck effect contribution in transverse spin Seebeck effect experiments in Pt/YIG and Pt/NFO. Nature Communications, 2015, 6, 8211.	5.8	87
74	Nonlinear spin-wave excitations at low magnetic bias fields. Nature Communications, 2015, 6, 8274.	5.8	49
75	Coupling of spinwave modes in wire structures. Applied Physics Letters, 2014, 104, 102404.	1.5	16
76	Unidirectional sub-100-ps magnetic vortex core reversal. Physical Review B, 2014, 90, .	1.1	24
77	Magnetic Damping: Domain Wall Dynamics versus Local Ferromagnetic Resonance. Physical Review Letters, 2014, 113, 237204.	2.9	48
78	Low-amplitude magnetic vortex core reversal by non-linear interaction between azimuthal spin waves and the vortex gyromode. Applied Physics Letters, 2014, 104, 012409.	1.5	16
79	Testing spin-flip scattering as a possible mechanism of ultrafast demagnetization in ordered magnetic alloys. Physical Review B, 2014, 90, .	1.1	29
80	Inverse spin Hall effect in $\text{Ni}_{81}\text{Fe}_{19}$ bilayers. Physical Review B, 2014, 89, .		
81	Spin Hall voltages from a.c. and d.c. spin currents. Nature Communications, 2014, 5, 3768.	5.8	99
82	Self-consistent determination of the key spin-transfer torque parameters from spin-wave Doppler experiments. Physical Review B, 2014, 89, .	1.1	25
83	Spatial constraints on the source of uniaxial anisotropy in (Ga,Mn)As films. Journal Physics D: Applied Physics, 2014, 47, 195001.	1.3	0
84	Vortex Core Reversal Due to Spin Wave Interference. Physical Review Letters, 2014, 112, 077201.	2.9	18
85	Properties of Ni/Co multilayers as a function of the number of multilayer repetitions. Journal Physics D: Applied Physics, 2013, 46, 175001.	1.3	33
86	Speed limit of the insulator-metal transition in magnetite. Nature Materials, 2013, 12, 882-886.	13.3	121
87	Identifying the Electronic Character and Role of the Mn States in the Valence Band of (Ga,Mn)As. Physical Review Letters, 2013, 111, 097201.	2.9	36
88	Dipolar-energy-activated magnetic domain pattern transformation driven by thermal fluctuations. Nature Communications, 2013, 4, 2054.	5.8	24
89	Magnetic phase transition in iron-rhodium thin films probed by ferromagnetic resonance. Journal Physics D: Applied Physics, 2013, 46, 245302.	1.3	33
90	Transverse Spin Seebeck Effect versus Anomalous and Planar Nernst Effects in Permalloy Thin Films. Physical Review Letters, 2013, 111, 187201.	2.9	127

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91	Influence of heat flow directions on Nernst effects in Py/Pt bilayers. Physical Review B, 2013, 88, .	1.1	55
92	Magnetic homogeneity of the dynamic properties of (Ga,Mn)As films from the submicrometer to millimeter length scale. Physical Review B, 2013, 87, .	1.1	7
93	Demonstration of the spin solar cell and spin photodiode effect. Nature Communications, 2013, 4, 2068.	5.8	63
94	Nonuniform current and spin accumulation in a $1\frac{1}{4}\mu\text{m}$ thick n-GaAs channel. Applied Physics Letters, 2012, 100, 092405.	1.5	2
95	Reorientation transition of the magnetic proximity polarization in Fe/(Ga,Mn)As bilayers. Physical Review B, 2012, 85, .	1.1	7
96	Fast spin-wave-mediated magnetic vortex core reversal. Physical Review B, 2012, 86, .	1.1	47
97	Antiferromagnetic coupling across silicon regulated by tunneling currents. Applied Physics Letters, 2012, 100, 022406.	1.5	2
98	Antiferromagnetic Coupling in Combined Fe/Si/MgO/Fe Structures with Controlled Interface Diffusion. Applied Physics Express, 2012, 5, 033003.	1.1	1
99	Growth of ultrathin epitaxial Fe/MgO spin injector on (0, 0, 1) (Ga, Mn)As. Nanotechnology, 2012, 23, 465202.	1.3	8
100	Structural and Magnetic Dynamics of a Laser Induced Phase Transition in FeRh. Physical Review Letters, 2012, 108, 087201.	2.9	91
101	Magnetic vortex core reversal by excitation of spin waves. Nature Communications, 2011, 2, 279.	5.8	202
102	Proximity Induced Enhancement of the Curie Temperature in Hybrid Spin Injection Devices. Physical Review Letters, 2011, 107, 056601.	2.9	49
103	Anomalous antiferromagnetic coupling in Fe/Si/Fe structures with Co δ -dusting. AIP Advances, 2011, 1, 042155.	0.6	2
104	Bias dependence of spin injection into GaAs from Fe, FeCo, and (Ga,Mn)As contacts. Journal of Applied Physics, 2011, 109, 07C505.	1.1	4
105	Tunable metamaterial response of a Ni δ -dusting in a Fe δ -dusting lattice for spin waves. Physical Review B, 2011, 84, .	1.1	45
106	Element-specific ferromagnetic resonance in epitaxial Heusler spin valve systems. Journal Physics D: Applied Physics, 2011, 44, 425004.	1.3	9
107	Identification of Different Electron Screening Behavior Between the Bulk and Surface of (Ga,Mn)As. Physical Review Letters, 2011, 107, 187203.	2.9	24
108	Ultrafast demagnetization dynamics of thin Fe/W(110) films: Comparison of time- and spin-resolved photoemission with time-resolved magneto-optic experiments. Physical Review B, 2011, 84, .	1.1	45

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109	Threshold photoemission magnetic circular dichroism of perpendicularly magnetized Ni films on Cu(001): Theory and experiment. <i>Physical Review B</i> , 2011, 83, .	1.1	12
110	Spin-orbit coupling effect in (Ga,Mn)As films: Anisotropic exchange interactions and magnetocrystalline anisotropy. <i>Physical Review B</i> , 2011, 84, .	1.1	21
111	Anisotropic Propagation and Damping of Spin Waves in a Nanopatterned Antidot Lattice. <i>Physical Review Letters</i> , 2010, 105, 067208.	2.9	122
112	Laser-induced generation and quenching of magnetization on FeRh studied with time-resolved x-ray magnetic circular dichroism. <i>Physical Review B</i> , 2010, 81, .	1.1	61
113	Anisotropy of the L _{2,3} -x-ray magnetic linear dichroism of Fe films on GaAs: Experiment and ab initio theory. <i>Physical Review B</i> , 2010, 82, .	1.1	16
114	Identifying the character of ferromagnetic Mn in epitaxial Fe/(Ga,Mn)As heterostructures. <i>Physical Review B</i> , 2010, 81, .	1.1	22
115	Conductivity of multiwall carbon nanotubes: Role of multiple shells and defects. <i>Physical Review B</i> , 2010, 82, .	1.1	13
116	Scaling of spin relaxation and angular momentum dissipation in permalloy nanowires. <i>Physical Review B</i> , 2009, 80, .	1.1	26
117	Mapping the magnetic anisotropy in (Ga,Mn)As nanostructures. <i>Physical Review B</i> , 2009, 80, .	1.1	17
118	Magnetization dynamics in the presence of pure spin currents in magnetic single and double layers in spin ballistic and diffusive regimes. <i>Physical Review B</i> , 2009, 79, .	1.1	53
119	Advanced photoelectric effect experiment beamline at Elettra: A surface science laboratory coupled with Synchrotron Radiation. <i>Review of Scientific Instruments</i> , 2009, 80, 043105.	0.6	126
120	<i>In situ</i> magnetoresistance measurements of ferromagnetic nanocontacts in the Lorentz transmission electron microscope. <i>Physical Review B</i> , 2009, 79, .	1.1	22
121	Vortex Core Switching by Coherent Excitation with Single In-Plane Magnetic Field Pulses. <i>Physical Review Letters</i> , 2009, 102, 077201.	2.9	90
122	Layer resolved magnetization dynamics in coupled magnetic films using time-resolved x-ray magnetic circular dichroism with continuous wave excitation. <i>Journal of Applied Physics</i> , 2009, 105, 07D310.	1.1	18
123	X-ray imaging of the dynamic magnetic vortex core deformation. <i>Nature Physics</i> , 2009, 5, 332-334.	6.5	117
124	Hot electron spin attenuation lengths of bcc Fe: Room temperature Magnetocurrent of 1200%. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3693-3697.	1.0	3
125	Laser-Induced Magnetization Dynamics of Lanthanide-Doped Permalloy Thin Films. <i>Physical Review Letters</i> , 2009, 102, 117201.	2.9	93
126	Ferromagnetic GaAs/GaMnAs Core-Shell Nanowires Grown by Molecular Beam Epitaxy. <i>Nano Letters</i> , 2009, 9, 3860-3866.	4.5	85

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127	Damping by Slow Relaxing Rare Earth Impurities in $\text{Ni}_{80}\text{Fe}_{20}$. Physical Review Letters, 2009, 102, 257602.	2.9	121
128	Antiferromagnetic-ferromagnetic phase transition in FeRh probed by x-ray magnetic circular dichroism. Physical Review B, 2008, 77, .	1.1	79
129	Polarization Selective Magnetic Vortex Dynamics and Core Reversal in Rotating Magnetic Fields. Physical Review Letters, 2008, 101, 197204.	2.9	133
130	Determination of the intershell conductance in a multiwall carbon nanotube. Applied Physics Letters, 2008, 93, .	1.5	23
131	Spin-wave excitations and low-temperature magnetization in the dilute magnetic semiconductor (Ga,Mn)As. Physical Review B, 2008, 77, .	1.1	13
132	Imaging magnetic excitations in confined magnetic structures. Journal Physics D: Applied Physics, 2008, 41, 164010.	1.3	9
133	Observation of the propagation and interference of spin waves in ferromagnetic thin films. Physical Review B, 2008, 77, .	1.1	59
134	Influence of domain wall pinning on the dynamic behavior of magnetic vortex structures: Time-resolved scanning x-ray transmission microscopy in NiFe thin film structures. Physical Review B, 2008, 77, .	1.1	22
135	Layer resolved magnetization dynamics in interlayer exchange coupled $\text{Ni}_{81}\text{Fe}_{19}\text{Ru}\text{Co}_{90}\text{Fe}_{10}$ by time resolved x-ray magnetic circular dichroism. Journal of Applied Physics, 2008, 103, .	1.1	27
136	Evidence for a Magnetic Proximity Effect up to Room Temperature at $\text{Fe}/\text{Ga}/\text{Mn}/\text{Tj}$ Tj ETQ0 0 0 fBT /Overl stretch="false"> (Ga/Mn) Tj ETQ0 0 0 fBT /Overl	2.9	87
137	Mode degeneracy due to vortex core removal in magnetic disks. Physical Review B, 2007, 76, .	1.1	47
138	Publisher's Note: Microwave Assisted Switching of Single Domain $\text{Ni}_{80}\text{Fe}_{20}$ Elements [Phys. Rev. Lett. 99, 227207 (2007)]. Physical Review Letters, 2007, 99, .	2.9	2
139	Vortex dynamics in Permalloy disks with artificial defects: Suppression of the gyrotropic mode. Applied Physics Letters, 2007, 90, 062506.	1.5	34
140	Magnetization Dynamics due to Pure Spin Currents in Magnetic Double Layers. Physical Review Letters, 2007, 99, 246603.	2.9	76
141	Ballistic electron magnetic microscopy on epitaxial spin valves. Physical Review B, 2007, 75, .	1.1	6
142	Hot-electron transport and magnetic anisotropy in epitaxial spin valves. Physical Review B, 2007, 76, .	1.1	3
143	Microwave Assisted Switching of Single Domain $\text{Ni}_{80}\text{Fe}_{20}$ Elements [Phys. Rev. Lett. 99, 227207 (2007)]. Physical Review Letters, 2007, 99, 227207.	2.9	125
144	Direct observation of the vortex core magnetization and its dynamics. Applied Physics Letters, 2007, 90, 202505.	1.5	49

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145	Surface treatments and magnetic properties of Ga _{1-x} Mn _x As thin films. Surface Science, 2007, 601, 4283-4287.	0.8	7
146	Cross-sectional imaging of spin injection into a semiconductor. Nature Physics, 2007, 3, 872-877.	6.5	51
147	Imaging excitations in magnetic thin film microstructures. Surface Science, 2007, 601, 5246-5253.	0.8	4
148	Magnetization dynamics of the ferrimagnet CoGd near the compensation of magnetization and angular momentum. Physical Review B, 2006, 74, .	1.1	124
149	Dynamic Aspects of Magnetism. , 2006, , 321-343.		0
150	Vortex dynamics in coupled ferromagnetic multilayer structures. Journal of Applied Physics, 2006, 99, 08F305.	1.1	53
151	Magnetic vortex core reversal by excitation with short bursts of an alternating field. Nature, 2006, 444, 461-464.	13.7	756
152	Comparison of frequency, field, and time domain ferromagnetic resonance methods. Journal of Magnetism and Magnetic Materials, 2006, 307, 148-156.	1.0	119
153	Micromagnetism in the ultrathin limit. Thin Solid Films, 2006, 505, 2-9.	0.8	6
154	Spatially Resolved Dynamic Eigenmode Spectrum of Co Rings. Physical Review Letters, 2006, 96, 057207.	2.9	67
155	Interaction of magnetostatic excitations with 90° domain walls in micrometer-sized permalloy squares. Physical Review B, 2006, 74, .	1.1	11
156	Influence of surface treatment on the magnetic properties of Ga _x Mn _{1-x} As thin films. Physical Review B, 2006, 74, .	1.1	9
157	In situ measurements of magnetoresistive effects in ferromagnetic microstructures by Lorentz microscopy. Applied Physics Letters, 2006, 88, 082506.	1.5	6
158	Modal spectrum of permalloy disks excited by in-plane magnetic fields. Physical Review B, 2006, 73, .	1.1	73
159	Spin-Wave Eigenmodes of Permalloy Squares with a Closure Domain Structure. Physical Review Letters, 2005, 94, 057202.	2.9	133
160	Layer-selective spectroscopy of Fe•GaAs(001): Influence of the interface on the magnetic properties. Physical Review B, 2005, 72, .	1.1	18
161	Magnetic domain walls in T-shaped permalloy microstructures. Applied Physics Letters, 2005, 86, 152503.	1.5	4
162	Time Resolved Magnetization Dynamics of Ultrathin Fe(001) Films: Spin-Pumping and Two-Magnon Scattering. Physical Review Letters, 2005, 95, 037401.	2.9	82

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163	Quantitative Analysis of Magnetic Excitations in Landau Flux-Closure Structures Using Synchrotron-Radiation Microscopy. <i>Physical Review Letters</i> , 2005, 94, 217204.	2.9	155
164	Interface magnetization profiling by x-ray magnetometry of marker impurities on Fe ²⁺ /GaAs(001)-(4Å–6). <i>Applied Physics Letters</i> , 2005, 87, 042506.	1.5	5
165	Excitations with negative dispersion in a spin vortex. <i>Physical Review B</i> , 2005, 71, .	1.1	86
166	Micromagnetic Dissipation, Dispersion, and Mode Conversion in Thin Permalloy Platelets. <i>Physical Review Letters</i> , 2005, 94, 127205.	2.9	51
167	Spatially resolved ferromagnetic resonance: Imaging of ferromagnetic eigenmodes. <i>Journal of Applied Physics</i> , 2005, 97, 10E704.	1.1	90
168	Spin dynamics of the antiferromagnetic-to-ferromagnetic phase transition in FeRh on a sub-picosecond time scale. <i>Applied Physics Letters</i> , 2004, 85, 2857-2859.	1.5	117
169	Publisher's Note: Fourier Transform Imaging of Spin Vortex Eigenmodes [Phys. Rev. Lett.93, 077207 (2004)]. <i>Physical Review Letters</i> , 2004, 93, .	2.9	0
170	Micromagnetoluminescence on ferromagnet/semiconductor hybrid nanostructures. <i>Journal of Applied Physics</i> , 2004, 95, 7411-7413.	1.1	6
171	High-resolution imaging of fast magnetization dynamics in magnetic nanostructures. <i>Applied Physics Letters</i> , 2004, 84, 3328-3330.	1.5	144
172	Imaging sub-ns spin dynamics in magnetic nanostructures with Magnetic Transmission X-ray microscopy. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	0
173	Speed limit ahead. <i>Nature</i> , 2004, 428, 808-809.	13.7	17
174	Magnetization profile at the Fe/GaAs(001)-4Å–6 interface. <i>Physica B: Condensed Matter</i> , 2004, 345, 177-180.	1.3	11
175	Phase-resolved pulsed precessional motion at a Schottky barrier. <i>Physical Review B</i> , 2004, 69, .	1.1	9
176	Fourier Transform Imaging of Spin Vortex Eigenmodes. <i>Physical Review Letters</i> , 2004, 93, 077207.	2.9	199
177	Pulsed precessional motion on the back of an envelope. <i>Journal of Physics Condensed Matter</i> , 2003, 15, R1093-R1100.	0.7	16
178	Circular photogalvanic effect at inter-band excitation in semiconductor quantum wells. <i>Solid State Communications</i> , 2003, 128, 283-286.	0.9	61
179	Magnetic field effect on tunnel ionization of deep impurities by terahertz radiation. <i>Physica B: Condensed Matter</i> , 2003, 340-342, 1155-1158.	1.3	1
180	Spin motion of electrons during reflection from a ferromagnetic surface. <i>Physical Review B</i> , 2002, 66, .	1.1	12

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181	Magnetic spatial non-uniformities on the picosecond timescale. Journal of Magnetism and Magnetic Materials, 2002, 239, 346-350.	1.0	10
182	Electron spin interferometry. , 2001, , .		0
183	Ultrafast generation of magnetic fields in a Schottky diode. Nature, 2001, 414, 51-54.	13.7	53
184	Bifurcation in precessional switching. Applied Physics Letters, 2001, 79, 2228-2230.	1.5	35
185	The Role of Damping in Ultrafast Magnetization Reversal. , 2001, , 393-399.		0
186	Spin-dependent electron interferometry. Journal of Applied Physics, 2000, 87, 7142-7143.	1.1	3
187	Side track erasure of stitched-pole magnetic recording heads. IEEE Transactions on Magnetics, 2000, 36, 2527-2529.	1.2	4
188	Imaging Precessional Motion of the Magnetization Vector. Science, 2000, 290, 492-495.	6.0	235
189	Nonlinear timing shift in high frequency magnetic recording determined with time resolved Kerr microscopy. Journal of Applied Physics, 1999, 86, 3377-3381.	1.1	8
190	A Spin Selective Electron Interferometer. Physical Review Letters, 1999, 83, 2833-2836.	2.9	24
191	A novel wire scanner for high-intensity pulsed beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 435, 318-325.	0.7	2
192	Ultrashort magnetic field pulses and the elementary process of magnetization reversal. Journal of Magnetism and Magnetic Materials, 1999, 200, 774-785.	1.0	20
193	Minimum Field Strength in Precessional Magnetization Reversal. Science, 1999, 285, 864-867.	6.0	272
194	Time resolved Kerr microscopy: Magnetization dynamics in thin film write heads. IEEE Transactions on Magnetics, 1999, 35, 637-642.	1.2	34
195	Magnetization Reversal in Ultrashort Magnetic Field Pulses. Physical Review Letters, 1998, 81, 3251-3254.	2.9	184
196	Direct observation of antiferromagnetic phase transition in fcc Fe films. Physical Review B, 1997, 55, 5643-5646.	1.1	13
197	Magnetic anisotropy oscillations (invited). Journal of Applied Physics, 1997, 81, 5054-5057.	1.1	10
198	Structural relaxation and magnetic anisotropy in Co/Cu(001) films. Physical Review B, 1996, 54, 4075-4079.	1.1	74

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199	Oscillatory Magnetic Anisotropy and Quantum Well States in Cu/Co/Cu(100) Films. Physical Review Letters, 1996, 76, 3424-3427.	2.9	98
200	Morphology-Induced Oscillations of the Magnetic Anisotropy in Ultrathin Co Films. Physical Review Letters, 1996, 76, 1940-1943.	2.9	152
201	Magnetic switching in cobalt films by adsorption of copper. Nature, 1995, 374, 788-790.	13.7	138
202	Experimental confirmation of universality for a phase transition in two dimensions. Nature, 1995, 378, 597-600.	13.7	74
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