

Burkard Hillebrands

List of Publications by Year in descending order

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462
papers

25,403
citations

9428

76
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10679

143
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471
all docs

471
docs citations

471
times ranked

10294
citing authors

#	ARTICLE	IF	CITATIONS
1	Wavevector-dependent magnon accumulation in parametrically populated magnon-phonon spectrum. Journal of Magnetism and Magnetic Materials, 2022, 545, 168628.	1.0	2
2	Fast long-wavelength exchange spin waves in partially compensated Ga:YIG. Applied Physics Letters, 2022, 120, .	1.5	11
3	Accumulation of magnetoelastic bosons in yttrium iron garnet: Kinetic theory and wave-vector-resolved Brillouin light scattering. Physical Review B, 2022, 105, .	1.1	1
4	THz emission from Fe/Pt spintronic emitters with L10-FePt alloyed interface. IScience, 2022, 25, 104319.	1.9	5
5	Fully resonant magneto-elastic spin-wave excitation by surface acoustic waves under conservation of energy and linear momentum. Applied Physics Letters, 2022, 120, .	1.5	11
6	Stimulated-Raman-adiabatic-passage mechanism in a magnonic environment. Applied Physics Letters, 2021, 118, .	1.5	6
7	Local heat emission due to unidirectional spin-wave heat conveyer effect observed by lock-in thermography. Applied Physics Letters, 2021, 118, .	1.5	5
8	Heisenberg Exchange and Dzyaloshinskii-Moriya Interaction in Ultrathin Pt(W)/CoFeB Single and Multilayers. IEEE Transactions on Magnetics, 2021, 57, 1-7.	1.2	9
9	Advances in coherent magnonics. Nature Reviews Materials, 2021, 6, 1114-1135.	23.3	170
10	Double accumulation and anisotropic transport of magnetoelastic bosons in yttrium iron garnet films. Physical Review B, 2021, 104, .	1.1	8
11	The 2021 Magnonics Roadmap. Journal of Physics Condensed Matter, 2021, 33, 413001.	0.7	287
12	Evolution of room-temperature magnon gas: Toward a coherent Bose-Einstein condensate. Physical Review B, 2021, 104, .	1.1	12
13	Experimental observation of Josephson oscillations in a room-temperature Bose-Einstein magnon condensate. Physical Review B, 2021, 104, .	1.1	8
14	Stabilization of a nonlinear magnonic bullet coexisting with a Bose-Einstein condensate in a rapidly cooled magnonic system driven by spin-orbit torque. Physical Review B, 2021, 104, .	1.1	6
15	Control of the Bose-Einstein Condensation of Magnons by the Spin Hall Effect. Physical Review Letters, 2021, 127, 237203.	2.9	11
16	Interference of co-propagating Rayleigh and Sezawa waves observed with micro-focused Brillouin light scattering spectroscopy. Applied Physics Letters, 2020, 117, 213501.	1.5	5
17	Controlling the propagation of dipole-exchange spin waves using local inhomogeneity of the anisotropy. Physical Review B, 2020, 102, .	1.1	5
18	Spin-Wave Relaxation by Eddy Currents in $\text{Y}_3\text{Fe}_5\text{O}_{12}/\text{Pt}$ Bilayers and a Way to Suppress It. Physical Review Applied, 2020, 14, .	1.5	12

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19	Review on spintronics: Principles and device applications. Journal of Magnetism and Magnetic Materials, 2020, 509, 166711.	1.0	711
20	Near-field mechanism of the enhanced broadband magneto-optical activity of hybrid Au loaded Bi:YIG. Nanoscale, 2020, 12, 7309-7314.	2.8	10
21	Optical elements for anisotropic spin-wave propagation. Applied Physics Letters, 2020, 116, .	1.5	18
22	Propagating Magnetic Droplet Solitons as Moveable Nanoscale Spin-Wave Sources with Tunable Direction of Emission. Physical Review Applied, 2020, 13, .	1.5	7
23	Reflection-less width-modulated magnonic crystal. Communications Physics, 2020, 3, .	2.0	32
24	Parametric Generation of Propagating Spin Waves in Ultrathin Yttrium Iron Garnet Waveguides. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000011.	1.2	7
25	Experimental Realization of a Passive Gigahertz Frequencyâ€Division Demultiplexer for Magnonic Logic Networks. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900695.	1.2	33
26	Boseâ€Einstein condensation of quasiparticles by rapid cooling. Nature Nanotechnology, 2020, 15, 457-461.	15.6	52
27	A nonlinear magnonic nano-ring resonator. Npj Computational Materials, 2020, 6, .	3.5	29
28	Boseâ€Einstein condensation of nonequilibrium magnons in confined systems. New Journal of Physics, 2020, 22, 083080.	1.2	8
29	Unconventional spin currents in magnetic films. Physical Review Research, 2020, 2, .	1.3	13
30	Tunable space-time crystal in room-temperature magnetodielectrics. Physical Review B, 2019, 100, .	1.1	25
31	Roadmap on STIRAP applications. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 202001.	0.6	108
32	Low damping magnetic properties and perpendicular magnetic anisotropy in the Heusler alloy Fe _{1.5} CoGe. AIP Advances, 2019, 9, .	0.6	8
33	Nanoscale spin-wave wake-up receiver. Applied Physics Letters, 2019, 115, .	1.5	9
34	Microstructure Design for Fast Lifetime Measurements of Magnetic Tunneling Junctions. Sensors, 2019, 19, 583.	2.1	1
35	Bogoliubov waves and distant transport of magnon condensate at room temperature. Nature Communications, 2019, 10, 2460.	5.8	42
36	Backscattering Immunity of Dipole-Exchange Magnetostatic Surface Spin Waves. Physical Review Letters, 2019, 122, 197201.	2.9	43

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37	Enhancement of the Spin Pumping Effect by Magnon Confluence Process in YIG/Pt Bilayers. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900121.	0.7	11
38	Magnon-fluxon interaction in a ferromagnet/superconductor heterostructure. <i>Nature Physics</i> , 2019, 15, 477-482.	6.5	83
39	Room temperature and low-field resonant enhancement of spin Seebeck effect in partially compensated magnets. <i>Nature Communications</i> , 2019, 10, 5162.	5.8	25
40	Dynamic electromagnonic crystal based on artificial multiferroic heterostructure. <i>Communications Physics</i> , 2019, 2, .	2.0	27
41	Magnon Bose-Einstein Condensate and Supercurrents Over a Wide Temperature Range. <i>Ukrainian Journal of Physics</i> , 2019, 64, 927.	0.1	5
42	Determination of the spin Hall angle in single-crystalline Pt films from spin pumping experiments. <i>New Journal of Physics</i> , 2018, 20, 053002.	1.2	33
43	Realization of a Spin-Wave Switch Based on the Spin-Transfer-Torque Effect. <i>IEEE Magnetics Letters</i> , 2018, 9, 1-5.	0.6	3
44	Reconfigurable nanoscale spin-wave directional coupler. <i>Science Advances</i> , 2018, 4, e1701517.	4.7	150
45	Characterization of spin-transfer-torque effect induced magnetization dynamics driven by short current pulses. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	3
46	Evolution of the interfacial perpendicular magnetic anisotropy constant of the Co ₂ FeAl/MgO interface upon annealing. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 165303.	1.3	17
47	Temporal evolution of the spin-wave intensity and phase in a local parametric amplifier. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 450, 60-64.	1.0	3
48	Separation of the two-magnon scattering contribution to damping for the determination of the spin mixing conductance. <i>Physical Review B</i> , 2018, 98, .	1.1	27
49	Direct observation of spin diffusion enhanced nonadiabatic spin torque effects in rare-earth-doped permalloy. <i>Physical Review B</i> , 2018, 98, .	1.1	3
50	Frequency-Division Multiplexing in Magnonic Logic Networks Based on Caustic-Like Spin-Wave Beams. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800409.	1.2	31
51	Optical determination of the exchange stiffness constant in an iron garnet. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 070308.	0.8	5
52	Spin-wave propagation through a magnonic crystal in a thermal gradient. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 344002.	1.3	15
53	From Kinetic Instability to Bose-Einstein Condensation and Magnon Supercurrents. <i>Physical Review Letters</i> , 2018, 121, 077203.	2.9	28
54	Control of Spin-Wave Propagation using Magnetisation Gradients. <i>Scientific Reports</i> , 2018, 8, 11099.	1.6	51

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55	Spin Seebeck effect and ballistic transport of quasi-acoustic magnons in room-temperature yttrium iron garnet films. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 234003.	1.3	14
56	Temperature-dependent relaxation of dipole-exchange magnons in yttrium iron garnet films. <i>Physical Review B</i> , 2018, 97, .	1.1	32
57	Experimental prototype of a spin-wave majority gate. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	158
58	Temporal Evolution of Auto-Oscillations in an Yttrium-Iron-Garnet/Platinum Microdisk Driven by Pulsed Spin Hall Effect-Induced Spin-Transfer Torque. <i>IEEE Magnetics Letters</i> , 2017, 8, 1-4.	0.6	10
59	All-optical observation and reconstruction of spin wave dispersion. <i>Nature Communications</i> , 2017, 8, 15859.	5.8	80
60	Magnonic crystals for data processing. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 244001.	1.3	309
61	CoFeAlB alloy with low damping and low magnetization as a candidate for spin transfer torque switching. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	4
62	The 2017 Magnetism Roadmap. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 363001.	1.3	279
63	A switchable spin-wave signal splitter for magnonic networks. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	32
64	Parallel pumping for magnon spintronics: Amplification and manipulation of magnon spin currents on the micron-scale. <i>Physics Reports</i> , 2017, 699, 1-34.	10.3	78
65	Relative weight of the inverse spin-Hall and spin-rectification effects for metallic polycrystalline Py/Pt, epitaxial Fe/Pt, and insulating YIG/Pt bilayers: Angular dependent spin pumping measurements. <i>Physical Review B</i> , 2017, 96, .	1.1	31
66	Bottleneck Accumulation of Hybrid Magnetoelastic Bosons. <i>Physical Review Letters</i> , 2017, 118, 237201.	2.9	60
67	Spin-electromagnetic waves in planar multiferroic multilayers. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	12
68	Spin waves for interconnect applications. , 2017, , .		2
69	Spin-pumping through a varying-thickness MgO interlayer in Fe/Pt system. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	23
70	Voltage-controlled nanoscale reconfigurable magnonic crystal. <i>Physical Review B</i> , 2017, 95, .	1.1	62
71	Damping of parametrically excited magnons in the presence of the longitudinal spin Seebeck effect. <i>Physical Review B</i> , 2017, 95, .	1.1	6
72	Lack of correlation between the spin-mixing conductance and the inverse spin Hall effect generated voltages in CoFeB/Pt and CoFeB/Ta bilayers. <i>Physical Review B</i> , 2017, 95, .	1.1	62

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73	Experimental Investigation of the Temperature-Dependent Magnon Density and Its Influence on Studies of Spin-Transfer-Torque-Driven Systems. IEEE Magnetics Letters, 2017, 8, 1-5.	0.6	4
74	Phase-to-intensity conversion of magnonic spin currents and application to the design of a majority gate. Scientific Reports, 2016, 6, 38235.	1.6	29
75	Spin-transfer torque based damping control of parametrically excited spin waves in a magnetic insulator. Applied Physics Letters, 2016, 108, .	1.5	36
76	Supercurrent in a room-temperature Bose-Einstein magnon condensate. Nature Physics, 2016, 12, 1057-1062.	6.5	125
77	Study of fully epitaxial Fe/Pt bilayers for spin pumping by ferromagnetic resonance spectroscopy. Physical Review B, 2016, 93, .	1.1	55
78	Spin Seebeck effect at microwave frequencies. Physical Review B, 2016, 93, .	1.1	28
79	Splitting of standing spin-wave modes in circular submicron ferromagnetic dot under axial symmetry violation. Scientific Reports, 2016, 5, 18480.	1.6	10
80	Influence of the MgO barrier thickness on the lifetime characteristics of magnetic tunnelling junctions for sensors. Journal Physics D: Applied Physics, 2016, 49, 225001.	1.3	2
81	Magnon Spintronics. , 2016, , 1505-1549.		5
82	Co ₂ Mn _{0.6} Fe _{0.4} Si: A Heusler Compound Opening New Perspectives in Magnon Spintronics. Springer Series in Materials Science, 2016, , 321-340.	0.4	0
83	Stimulated thermalization of a parametrically driven magnon gas as a prerequisite for Bose-Einstein magnon condensation. Physical Review B, 2015, 91, .	1.1	27
84	Detection of Spin Waves in Permalloy Using Planar Hall Effect. Physical Review Applied, 2015, 4, .	1.5	26
85	Formation of Bose-Einstein magnon condensate via dipolar and exchange thermalization channels. Low Temperature Physics, 2015, 41, 801-805.	0.2	15
86	Width-modulated magnonic crystal and its application for spin-wave logic. , 2015, , .		0
87	Magnetische Materialien nach Maß für die Spintronik. Physik in Unserer Zeit, 2015, 46, 217-218.	0.0	0
88	Magnonen für den Computer von morgen. Physik in Unserer Zeit, 2015, 46, 34-38.	0.0	1
89	Micro-focused Brillouin light scattering: imaging spin waves at the nanoscale. Frontiers in Physics, 2015, 3, .	1.0	215
90	Optically reconfigurable magnetic materials. Nature Physics, 2015, 11, 487-491.	6.5	149

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91	Magnon spintronics. Nature Physics, 2015, 11, 453-461.	6.5	1,804
92	Thickness and power dependence of the spin-pumping effect in $Y_3Fe_5O_{12}/Pt$ heterostructures measured by the inverse spin Hall effect. Physical Review B, 2015, 91, .	1.5	104
93	A spin-wave logic gate based on a width-modulated dynamic magnonic crystal. Applied Physics Letters, 2015, 106, .	2.9	163
94	Length Scale of the Spin Seebeck Effect. Physical Review Letters, 2015, 115, 096602.		0
95	Width-modulated magnonic crystal and its application for spin-wave logic. , 2015, , .		1
96	Magnon Spintronics. , 2015, , 1-38.	1.5	95
97	Spin-wave logic devices based on isotropic forward volume magnetostatic waves. Applied Physics Letters, 2015, 106, .	1.3	15
98	All-optical characterisation of the spintronic Heusler compound $Co_{0.6}Mn_{0.4}Si$. Journal Physics D: Applied Physics, 2015, 48, 164015.	1.1	65
99	The role of the non-magnetic material in spin pumping and magnetization dynamics in NiFe and CoFeB multilayer systems. Journal of Applied Physics, 2015, 117, 163901.	1.5	22
100	Experimental observation of the interaction of propagating spin waves with Néel domain walls in a Landau domain structure. Applied Physics Letters, 2015, 106, .	1.3	123
101	Measurements of the exchange stiffness of YIG films using broadband ferromagnetic resonance techniques. Journal Physics D: Applied Physics, 2015, 48, 015001.	1.3	52
102	Sign of inverse spin Hall voltages generated by ferromagnetic resonance and temperature gradients in yttrium iron garnet platinum bilayers. Journal Physics D: Applied Physics, 2015, 48, 025001.	1.2	15
103	Ultrafast magnetization dynamics in Co-based Heusler compounds with tuned chemical ordering. New Journal of Physics, 2014, 16, 063068.	0.5	6
104	Magneto-Optical Enhancement in Co/Au Patterned Nanostructures. Journal of Surfaces and Interfaces of Materials, 2014, 2, 40-45.	1.5	25
105	Time- and power-dependent operation of a parametric spin-wave amplifier. Applied Physics Letters, 2014, 105, .	1.5	69
106	Annealing influence on the Gilbert damping parameter and the exchange constant of CoFeB thin films. Applied Physics Letters, 2014, 104, .	1.5	15
107	Localized parallel parametric generation of spin waves in a $Ni_{81}Fe_{19}$ waveguide by spatial variation of the pumping field. Applied Physics Letters, 2014, 104, 092418.	1.1	34
108	Magnetization reversal of in-plane uniaxial Co films and its dependence on epitaxial alignment. Journal of Applied Physics, 2014, 115, .		

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109	Non-Gilbert-damping Mechanism in a Ferromagnetic Heusler Compound Probed by Nonlinear Spin Dynamics. <i>Physical Review Letters</i> , 2014, 113, 227601.	2.9	19
110	Microwave-induced spin currents in ferromagnetic-insulator normal-metal bilayer system. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	27
111	Pulsed laser deposition of epitaxial yttrium iron garnet films with low Gilbert damping and bulk-like magnetization. <i>APL Materials</i> , 2014, 2, .	2.2	183
112	Bose-Einstein condensation in an ultra-hot gas of pumped magnons. <i>Nature Communications</i> , 2014, 5, 3452.	5.8	101
113	Spin-wave excitation and propagation in microstructured waveguides of yttrium iron garnet/Pt bilayers. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	147
114	Realization of a spin-wave multiplexer. <i>Nature Communications</i> , 2014, 5, 3727.	5.8	314
115	Magnetoelastic modes and lifetime of magnons in thin yttrium iron garnet films. <i>Physical Review B</i> , 2014, 89, .	1.1	99
116	Magnon transistor for all-magnon data processing. <i>Nature Communications</i> , 2014, 5, 4700.	5.8	632
117	Design of a spin-wave majority gate employing mode selection. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	143
118	Improvement of the yttrium iron garnet/platinum interface for spin pumping-based applications. , 2014, , .		1
119	Parallel parametric amplification of coherently excited propagating spin waves in a microscopic Ni ₈₁ Fe ₁₉ waveguide. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	13
120	Role of bulk-magnon transport in the temporal evolution of the longitudinal spin-Seebeck effect. <i>Physical Review B</i> , 2014, 89, .	1.1	62
121	The 2014 Magnetism Roadmap. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 333001.	1.3	329
122	Improvement of the yttrium iron garnet/platinum interface for spin pumping-based applications. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	109
123	Direct Measurement of Magnon Temperature: New Insight into Magnon-Phonon Coupling in Magnetic Insulators. <i>Physical Review Letters</i> , 2013, 111, 107204.	2.9	109
124	Magnonic band gaps in waveguides with a periodic variation of the saturation magnetization. <i>Physical Review B</i> , 2013, 88, .	1.1	35
125	Explosive Electromagnetic Radiation by the Relaxation of a Multimode Magnon System. <i>Physical Review Letters</i> , 2013, 111, 187206.	2.9	4
126	Localized parametric generation of spin waves in a longitudinally magnetized Ni ₈₁ Fe ₁₉ waveguide. <i>Applied Physics Letters</i> , 2013, 103, 142415.	1.5	16

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127	Optimizing the spin-pumping induced inverse spin Hall voltage by crystal growth in Fe/Pt bilayers. Applied Physics Letters, 2013, 103, 162401.	1.5	33
128	Magneto-optical characterization of single crystalline $\text{Co}_{2-x}\text{FeAl}_{0.4-x}\text{Si}_{0.6-x}$ thin films on $\text{MgO}(1\hat{\text{a}}\%0\hat{\text{a}}\%0)$ substrates with Cr and MgO seed layers. Journal Physics D: Applied Physics, 2013, 46, 475001.	1.3	4
129	Nonlinear Emission of Spin-Wave Caustics from an Edge Mode of a Microstructured $\text{Co}_{2-x}\text{Mn}_x$ Thin Films. Physical Review Letters, 2013, 110, 067201.	2.9	68
130	Heat-induced damping modification in yttrium iron garnet/platinum hetero-structures. Applied Physics Letters, 2013, 102, .	1.5	46
131	The Dynamic Magnonic Crystal: New Horizons in Artificial Crystal Based Signal Processing. Topics in Applied Physics, 2013, , 243-257.	0.4	5
132	Unidirectional spin-wave heat conveyer. Nature Materials, 2013, 12, 549-553.	13.3	125
133	Generation of propagating backward volume spin waves by phase-sensitive mode conversion in two-dimensional microstructures. Applied Physics Letters, 2013, 102, .	1.5	40
134	Magneto-Optical Investigations and Ion Beam-Induced Modification of Heusler Compounds. , 2013, , 285-302.		0
135	Low spin-wave damping in amorphous $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}$ thin films. Journal of Applied Physics, 2013, 113, .	1.1	77
136	A micro-structured ion-implanted magnonic crystal. Applied Physics Letters, 2013, 102, .	1.5	75
137	Microscopic magnetic structuring of a spin-wave waveguide by ion implantation in a $\text{Ni}_{81}\text{Fe}_{19}$ layer. Applied Physics Letters, 2013, 102, .	1.5	16
138	Low-damping spin-wave propagation in a micro-structured $\text{Co}_{2-x}\text{Mn}_x\text{Fe}_{0.4-x}\text{Si}$ Heusler waveguide. Applied Physics Letters, 2012, 100, 112402.	1.5	80
139	Acoustic spin pumping: Direct generation of spin currents from sound waves in $\text{Pt}/\text{Y}_3\text{Fe}_5\text{O}_{12}$ hybrid structures. Journal of Applied Physics, 2012, 111, .	1.1	30
140	Atom probe tomography of ion-irradiated ultra-thin Fe/Cr/Fe trilayers with sub-nm spatial resolution. Journal Physics D: Applied Physics, 2012, 45, 505303.	1.3	4
141	Spin-wave propagation and transformation in a thermal gradient. Applied Physics Letters, 2012, 101, 192406.	1.5	37
142	Spin waves turning a corner. Applied Physics Letters, 2012, 101, 042410.	1.5	131
143	Magnonic band gap design by the edge modulation of micro-sized waveguides. Journal Physics D: Applied Physics, 2012, 45, 255002.	1.3	39
144	Direct detection of magnon spin transport by the inverse spin Hall effect. Applied Physics Letters, 2012, 100, .	1.5	121

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145	Oscillatory Energy Exchange between Waves Coupled by a Dynamic Artificial Crystal. Physical Review Letters, 2012, 108, 015505.	2.9	48
146	Fabricating high-density magnetic storage elements by low-dose ion beam irradiation. Applied Physics Letters, 2012, 101, .	1.5	4
147	Probing dynamical magnetization pinning in circular dots as a function of the external magnetic field orientation. Physical Review B, 2012, 86, .	1.1	18
148	Brillouin light scattering spectroscopy of parametrically excited dipole-exchange magnons. Physical Review B, 2012, 86, .	1.1	63
149	Direct observation of nonlinear four-magnon scattering in spin-wave microconduits. Physical Review B, 2012, 86, .	1.1	46
150	Storage-Recovery Phenomenon in Magnonic Crystal. Physical Review Letters, 2012, 108, 257207.	2.9	74
151	Mode conversion by symmetry breaking of propagating spin waves. Applied Physics Letters, 2011, 99, .	1.5	59
152	Long-range spin Seebeck effect and acoustic spin pumping. Nature Materials, 2011, 10, 737-741.	13.3	235
153	Spin Pumping by Parametrically Excited Exchange Magnons. Physical Review Letters, 2011, 106, 216601.	2.9	256
154	Quadratic magneto-optical Kerr effect in Co ₂ MnSi. Journal of Applied Physics, 2011, 110, 043904.	1.1	18
155	Spin information transfer and transport in hybrid spinmechatronic structures. Journal of Physics: Conference Series, 2011, 303, 012018.	0.3	2
156	Interference of coherent spin waves in micron-sized ferromagnetic waveguides. Physica Status Solidi (B): Basic Research, 2011, 248, 2404-2408.	0.7	55
157	Effect of annealing on Co ₂ FeAl. http://www.w3.org/1998/Math/MathML display="inline">$FeAl$ http://www.w3.org/1998/Math/MathML display="inline">0	1.1	46
158	Radiation of Caustic Beams from a Collapsing Bullet. Physical Review Letters, 2011, 106, 134101.	2.9	20
159	Mechanisms of nonlinear spin-wave emission from a microwave-driven nanocontact. Physical Review B, 2011, 84, .	1.1	6
160	Slow magnetization dynamics and energy barriers near vortex state nucleation in circular permalloy dots. Applied Physics Letters, 2011, 99, .	1.5	13
161	Temporal evolution of inverse spin Hall effect voltage in a magnetic insulator-nonmagnetic metal structure. Applied Physics Letters, 2011, 99, .	1.5	47
162	Magneto-optical investigation of the shape anisotropy of individual micron-sized magnetic elements. Journal of Applied Physics, 2011, 110, 083909.	1.1	4

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163	Optical Detection of Spin Transport in Nonmagnetic Metals. Physical Review Letters, 2011, 106, 226601.	2.9	15
164	Magneto-optical observation of four-wave scattering in a 15-nm Ni $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 81 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{Fe} \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 19 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ film during large-angle magnetization precession. Physical Review B, 2011, 84, .	1.1	11
165	Mode selective parametric excitation of spin waves in a Ni $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 81 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ Fe $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 19 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ microstripe. Applied Physics Letters, 2011, 99, .	1.5	31
166	Interplay of energy dissipation, ion-induced mixing, and crystal structure recovery, and surface effects in ion-irradiated magnetic Fe/Cr/Fe trilayers. Physical Review B, 2011, 84, .	1.1	7
167	Optical detection of vortex spin-wave eigenmodes in microstructured ferromagnetic disks. Physical Review B, 2011, 84, .	1.1	28
168	Variable damping and coherence in a high-density magnon gas. Physical Review B, 2011, 83, .	1.1	10
169	Employing magnonic crystals to dictate the characteristics of auto-oscillatory spin-wave systems. Journal of Physics: Conference Series, 2011, 303, 012007.	0.3	6
170	Spin-wave tunnelling through a mechanical gap. Europhysics Letters, 2010, 90, 27003.	0.7	28
171	Magnonic crystal based forced dominant wavenumber selection in a spin-wave active ring. Applied Physics Letters, 2010, 96, .	1.5	36
172	Wide-range wavevector selectivity of magnon gases in Brillouin light scattering spectroscopy. Review of Scientific Instruments, 2010, 81, 073902.	0.6	52
173	Enhancement of the spin pumping efficiency by spin wave mode selection. Applied Physics Letters, 2010, 97, .	1.5	131
174	Reverse Doppler effect of magnons with negative group velocity scattered from a moving Bragg grating. Physical Review B, 2010, 81, .	1.1	49
175	Magnetic anisotropy, exchange and damping in cobalt-based full-Heusler compounds: an experimental review. Journal Physics D: Applied Physics, 2010, 43, 193001.	1.3	215
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