Gerrit Bauer

List of Publications by Year
in descending order

342	26,137	7551 77	6818 155
papers	citations	h-index	g-index

349	349	349	8824
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnonics vs. Ferronics. Journal of Magnetism and Magnetic Materials, 2022, 541, 168468.	1.0	12
2	Seebeck effect in nanomagnets. Journal of Physics Condensed Matter, 2022, 34, 085801.	0.7	0
3	Thermoelectric Polarization Transport in Ferroelectric Ballistic Point Contacts. Physical Review Letters, 2022, 128, 047601.	2.9	10
4	Advances in Magnetics Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetics, 2022, 58, 1-72.	1.2	179
5	Stochasticity of the magnon parametron. Physical Review B, 2022, 105, .	1.1	10
6	Bright and Dark States of Two Distant Macrospins Strongly Coupled by Phonons. Physical Review X, 2022, 12, .	2.8	15
7	Observation of magnetization surface textures of the van der Waals antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>FePS</mml:mi></mml:mrow><mml:mn>3</mml:mn> by spin Hall magnetoresistance. Physical Review B, 2022, 105, .	1.1	11
8	Magnetization dynamics affected by phonon pumping. Physical Review B, 2022, 106, .	1.1	13
9	Analog Quantum Control of Magnonic Cat States on a Chip by a Superconducting Qubit. Physical Review Letters, 2022, 129, .	2.9	24
10	Cavity magnonics. Physics Reports, 2022, 979, 1-61.	10.3	140
11	Anisotropic magnetoresistance: A 170-year-old puzzle solved. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	1
12	Chiral Coupling to Magnetodipolar Radiation. Topics in Applied Physics, 2021, , 1-23.	0.4	7
13	Equilibrium current vortices in simple metals doped with rare earths. Physical Review B, 2021, 103, .	1.1	2
14	Cryogenic spin Seebeck effect. Physical Review B, 2021, 103, .	1.1	6
15	Spin-Wave Doppler Shift by Magnon Drag in Magnetic Insulators. Physical Review Letters, 2021, 126, 137202.	2.9	7
16	Magnon dispersion in bilayers of two-dimensional ferromagnets. Physical Review B, 2021, 103, .	1.1	6
17	Magnetic order of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Dy</mml:mi></mml:mrow><mml:mrow><m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mrow><m moments in antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Dy</mml:mi><mml:m. Physical Review B,	1.1	15
18	Theory of Transport in Ferroelectric Capacitors. Physical Review Letters, 2021, 126, 187603.	2.9	17

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19	Electrically induced strong modulation of magnon transport in ultrathin magnetic insulator films. Physical Review B, 2021, 103, .	1.1	8
20	Dynamic magnetoelastic boundary conditions and the pumping of phonons. Physical Review B, 2021, 104, .	1.1	12
21	The 2021 Magnonics Roadmap. Journal of Physics Condensed Matter, 2021, 33, 413001.	0.7	287
22	Nonreciprocal coherent coupling of nanomagnets by exchange spin waves. Nano Research, 2021, 14, 2133-2138.	5.8	26
23	Imaging Spinâ€Wave Damping Underneath Metals Using Electron Spins in Diamond. Advanced Quantum Technologies, 2021, 4, 2100094.	1.8	13
24	Hopfield neural network in magnetic textures with intrinsic Hebbian learning. Physical Review B, 2021, 104, .	1.1	6
25	Non-reciprocal Pumping of Surface Acoustic Waves by Spin Wave Resonance. Journal of the Physical Society of Japan, 2020, 89, 113702.	0.7	14
26	Magnetic resonance imaging of spin-wave transport and interference in a magnetic insulator. Science Advances, 2020, 6, .	4.7	70
27	Unidirectional Pumping of Phonons by Magnetization Dynamics. Physical Review Letters, 2020, 125, 077203.	2.9	30
28	Circulating cavity magnon polaritons. Physical Review B, 2020, 102, .	1.1	19
29	Magnon trap by chiral spin pumping. Physical Review B, 2020, 102, .	1.1	18
30	Noncontact Spin Pumping by Microwave Evanescent Fields. Physical Review Letters, 2020, 124, 236801.	2.9	9
31	Voltage- and temperature-dependent rare-earth dopant contribution to the interfacial magnetic anisotropy. Journal of Physics Condensed Matter, 2020, 32, 404004.	0.7	1
32	Chiral coupling of magnons in waveguides. Physical Review B, 2020, 101, .	1.1	28
33	Magnon Accumulation in Chirally Coupled Magnets. Physical Review Letters, 2020, 124, 107202.	2.9	34
34	Observation of Magnon Polarization. Physical Review Letters, 2020, 125, 027201.	2.9	55
35	Coherent pumping of high-momentum magnons by light. Physical Review B, 2020, 101, .	1.1	9
36	Angular momentum conservation and phonon spin in magnetic insulators. Physical Review B, 2020, 101, .	1.1	28

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37	Resources of nonlinear cavity magnonics for quantum information. Physical Review B, 2020, 101, .	1.1	66
38	Coherent long-range transfer of angular momentum between magnon Kittel modes by phonons. Physical Review B, 2020, 101, .	1.1	94
39	Spin transport in insulators without exchange stiffness. Nature Communications, 2019, 10, 4740.	5.8	41
40	Excitation of unidirectional exchange spin waves by a nanoscale magnetic grating. Physical Review B, 2019, 100, .	1.1	111
41	Optimal mode matching in cavity optomagnonics. Physical Review B, 2019, 99, .	1.1	37
42	Magnon-phonon interactions in magnetic insulators. Physical Review B, 2019, 99, .	1.1	73
43	Surface dynamics of rough magnetic films. Physical Review B, 2019, 99, .	1.1	16
44	Chiral excitation of spin waves in ferromagnetic films by magnetic nanowire gratings. Physical Review B, 2019, 99, .	1.1	42
45	Special issue on spin caloritronics. Journal Physics D: Applied Physics, 2019, 52, 230301.	1.3	12
46	Topologically nontrivial magnonic solitons. Physical Review B, 2019, 99, .	1.1	14
47	Semiquantum thermodynamics of complex ferrimagnets. Physical Review B, 2019, 100, .	1.1	35
48	Chiral Pumping of Spin Waves. Physical Review Letters, 2019, 123, 247202.	2.9	43
49	Indirect coupling of magnons by cavity photons. Physical Review B, 2018, 97, .	1.1	51
50	Voltage Control of Rare-Earth Magnetic Moments at the Magnetic-Insulatorâ€“Metal Interface. Physical Review Letters, 2018, 120, 027201.	2.9	18
51	Magnons in Photonic Cavities and Resonators. , 2018, , .		0
52	Gate-controlled magnetoresistance of a paramagnetic-insulator|platinum interface. Physical Review B, 2018, 98, .	1.1	10
53	Strong Interlayer Magnon-Magnon Coupling in Magnetic Metal-Insulator Hybrid Nanostructures. Physical Review Letters, 2018, 120, 217202.	2.9	119
54	Damping of Magnetization Dynamics by Phonon Pumping. Physical Review Letters, 2018, 121, 027202.	2.9	61

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55	Theory of spin and lattice wave dynamics excited by focused laser pulses. Journal Physics D: Applied Physics, 2018, 51, 224008.	1.3	7
56	Optical Cooling of Magnons. Physical Review Letters, 2018, 121, 087205.	2.9	94
57	Selection rules for cavity-enhanced Brillouin light scattering from magnetostatic modes. Physical Review B, 2018, 97, .	1.1	51
58	Spin-Hall and anisotropic magnetoresistance in ferrimagnetic Co-Gd/Pt layers. Physical Review Materials, 2018, 2, .	0.9	22
59	Energy repartition in the nonequilibrium steady state. Physical Review B, 2017, 95, .	1.1	10
60	All-optical observation and reconstruction of spin wave dispersion. Nature Communications, 2017, 8, 15859.	5.8	80
61	Magnetic-proximity-induced magnetoresistance on topological insulators. Physical Review B, 2017, 95, .	1.1	49
62	Nonlocal magnon-polaron transport in yttrium iron garnet. Physical Review B, 2017, 96, .	1.1	63
63	Crystal field effects on spin pumping. Physical Review B, 2017, 96, .	1.1	27
64	Theory of the magnon-mediated tunnel magneto-Seebeck effect. Physical Review B, 2017, 96, .	1.1	6
65	Observation of the spin Nernst effect. Nature Materials, 2017, 16, 977-981.	13.3	137
66	Light scattering by magnons in whispering gallery mode cavities. Physical Review B, 2017, 96, .	1.1	85
67	Magnon-polaron transport in magnetic insulators. Physical Review B, 2017, 95, .	1.1	92
68	Thermal control of the magnon-photon coupling in a notch filter coupled to a yttrium iron garnet/platinum system. Physical Review B, 2017, 96, .	1.1	22
69	First-principles study of exchange interactions of yttrium iron garnet. Physical Review B, 2017, 95, .	1.1	66
70	Magnetomechanical coupling and ferromagnetic resonance in magnetic nanoparticles. Physical Review B, 2017, 95, .	1.1	25
71	Spin Caloritronics. , 2017, , .		0
72	Spin pumping and spin transfer. , 2017, , .		2

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73	Modelling of the Peltier effect in magnetic multilayers. Journal of Applied Physics, 2016, 119, .	1.1	4
74	Spin Hall magnetoresistance in a canted ferrimagnet. Physical Review B, 2016, 94, .	1.1	73
75	Spin pumping into two-dimensional electron systems. Physical Review B, 2016, 94, .	1.1	10
76	Thermal Spin Dynamics of Yttrium Iron Garnet. Physical Review Letters, 2016, 117, 217201.	2.9	118
77	Microscopic calculation of thermally induced spin-transfer torques. Physical Review B, 2016, 94, .	1.1	14
78	Magnon spin transport driven by the magnon chemical potential in a magnetic insulator. Physical Review B, 2016, 94, .	1.1	228
79	Magnon Polarons in the Spin Seebeck Effect. Physical Review Letters, 2016, 117, 207203.	2.9	151
80	Observation of temperature-gradient-induced magnetization. Nature Communications, 2016, 7, 12265.	5.8	13
81	Theory of spin Hall magnetoresistance (SMR) and related phenomena. Journal of Physics Condensed Matter, 2016, 28, 103004.	0.7	73
82	Origin of the spin Seebeck effect in compensated ferrimagnets. Nature Communications, 2016, 7, 10452.	5.8	154
83	Effective exchange fields in spin-torque resonance of magnetic insulators. Journal of Magnetism and Magnetic Materials, 2016, 400, 163-167.	1.0	1
84	Magnetic spheres in microwave cavities. Physical Review B, 2015, 91, .	1.1	64
85	Current-induced spin torque resonance of a magnetic insulator. Physical Review B, 2015, 92, .	1.1	55
86	Spin-Hall magnetoresistance and spin Seebeck effect in spin-spiral and paramagnetic phases of multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>CoCr</mml:mtext><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2015, 92, .	1.1	67
87	Laser-Induced Spatiotemporal Dynamics of Magnetic Films. Physical Review Letters, 2015, 115, 197201.	2.9	62
88	Magnetization damping in noncollinear spin valves with antiferromagnetic interlayer couplings. Physical Review B, 2015, 92, .	1.1	29
89	Coherent elastic excitation of spin waves. Physical Review B, 2015, 91, .	1.1	92
90	Size dependence of Peltier cooling in ferromagnet/Au nanopillars. Applied Physics Express, 2015, 8, 083002.	1.1	2

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91	Current-induced spin torque resonance of magnetic insulators affected by field-like spin-orbit torques and out-of-plane magnetizations. Journal of Applied Physics, 2015, 117, .	1.1	23
92	Exchange magnon-polaritons in microwave cavities. Physical Review B, 2015, 91, .	1.1	165
93	Spin Seebeck Power Conversion. IEEE Transactions on Magnetics, 2015, 51, 1-14.	1.2	50
94	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.	1.3	52
95	Thermoelectricity and disorder of FeCo/MgO/FeCo magnetic tunnel junctions. Physical Review B, 2014, 90, .	1.1	18
96	Spin Hall noise. Physical Review B, 2014, 90, .	1.1	20
97	Spin mechanics. Solid State Communications, 2014, 198, 1-2.	0.9	6
98	Acoustic parametric pumping of spin waves. Solid State Communications, 2014, 198, 30-34.	0.9	27
99	Spin Seebeck power generators. Applied Physics Letters, 2014, 104, 042402.	1.5	42
100	Actuation, propagation, and detection of transverse magnetoelastic waves in ferromagnets. Solid State Communications, 2014, 198, 35-39.	0.9	18
101	Intrinsic magnetoresistance in metal films on ferromagnetic insulators. Physical Review B, 2014, 90, .	1.1	54
102	Light-induced spin polarizations in quantum rings. Physical Review B, 2014, 90, .	1.1	26
103	Current-Induced Spin-Torque Resonance of Magnetic Insulators. Physical Review Applied, 2014, 2, .	1.5	54
104	Observation of the Spin Peltier Effect for Magnetic Insulators. Physical Review Letters, 2014, 113, 027601.	2.9	191
105	The 2014 Magnetism Roadmap. Journal Physics D: Applied Physics, 2014, 47, 333001.	1.3	329
106	Current-induced magnetization dynamics in two magnetic insulators separated by a normal metal. Physical Review B, 2014, 90, .	1.1	6
107	Exchange magnetic field torques in YIG/Pt bilayers observed by the spin-Hall magnetoresistance. Applied Physics Letters, 2013, 103, .	1.5	90
108	Field-free synthetic-ferromagnet spin torque oscillator. Physical Review B, 2013, 87, .	1.1	18

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109	Spin heat accumulation and spin-dependent temperatures in nanopillar spin valves. Nature Physics, 2013, 9, 636-639.	6.5	60
110	Manipulation of ferromagnets via the spin-selective optical Stark effect. Physical Review B, 2013, 88, .	1.1	24
111	Magnon, phonon, and electron temperature profiles and the spin Seebeck effect in magnetic insulator/normal metal hybrid structures. Physical Review B, 2013, 88, .	1.1	179
112	Spin-Wave Excitation in Magnetic Insulator Thin Films by Spin-Transfer Torque. Solid State Physics, 2013, 64, 29-51.	1.3	2
113	Experimental Test of the Spin Mixing Interface Conductivity Concept. Physical Review Letters, 2013, 111, 176601.	2.9	268
114	Current-induced spin-wave excitation in Pt/YIG bilayer. Physical Review B, 2013, 88, .	1.1	39
115	Magnon Mediated Domain Wall Heat Conductance in Ferromagnetic Wires. IEEE Transactions on Magnetics, 2013, 49, 3109-3112.	1.2	2
116	Spin transfer torque in magnetic nanostructures. , 2013, , .		0
117	Aharonov-Casher effect in quantum ring ensembles. Physical Review B, 2013, 88, .	1.1	8
118	Angular and linear momentum of excited ferromagnets. Physical Review B, 2013, 88, .	1.1	44
119	Theory of spin Hall magnetoresistance. Physical Review B, 2013, 87, .	1.1	615
120	Spin torque transistor revisited. Applied Physics Letters, 2013, 102, 192412.	1.5	5
121	Quantitative study of the spin Hall magnetoresistance in ferromagnetic insulator/normal metal hybrids. Physical Review B, 2013, 87, .	1.1	422
122	Spin Hall Magnetoresistance Induced by a Nonequilibrium Proximity Effect. Physical Review Letters, 2013, 110, 206601.	2.9	867
123	Spin Backflow and ac Voltage Generation by Spin Pumping and the Inverse Spin Hall Effect. Physical Review Letters, 2013, 110, 217602.	2.9	191
124	Thermally induced dynamics in ultrathin magnetic tunnel junctions. Physical Review B, 2013, 88, .	1.1	15
125	Shot noise in magnetic tunnel junctions from first principles. Physical Review B, 2012, 86, .	1.1	16
126	Domain Wall Propagation through Spin Wave Emission. Physical Review Letters, 2012, 109, 167209.	2.9	83

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127	Magnonic Domain Wall Heat Conductance in Ferromagnetic Wires. Physical Review Letters, 2012, 109, 087202.	2.9	34
128	Electron spins blow hot and cold. Nature Nanotechnology, 2012, 7, 145-147.	15.6	45
129	Spin-Wave Excitation in Magnetic Insulators by Spin-Transfer Torque. Physical Review Letters, 2012, 108, 217204.	2.9	72
130	Spin caloritronics. Nature Materials, 2012, 11, 391-399.	13.3	1,490
131	Thermal spin pumping and magnon-phonon-mediated spin-Seebeck effect. Journal of Applied Physics, 2012, 111, .	1.1	140
132	Macrospin Tunneling and Magnetopolaritons with Nanomechanical Interference. Physical Review Letters, 2011, 106, 147203.	2.9	41
133	Spin transfer torque on magnetic insulators. Europhysics Letters, 2011, 96, 17005.	0.7	193
134	Thermal Spin Transfer in Fe-MgO-Fe Tunnel Junctions. Physical Review Letters, 2011, 107, 176603.	2.9	93
135	Angular momentum transfer torques in spin valves with perpendicular magnetization. Physical Review B, 2011, 84, .	1.1	6
136	Feedback control of noise in spin valves by the spin-transfer torque. Applied Physics Letters, 2011, 98, 083110.	1.5	5
137	Focused crossed Andreev reflection. Europhysics Letters, 2011, 93, 67005.	0.7	3
138	Magnetization dissipation in ferromagnets from scattering theory. Physical Review B, 2011, 84, .	1.1	48
139	Thermoelectric spin diffusion in a ferromagnetic metal. Solid State Communications, 2010, 150, 480-484.	0.9	27
140	Electronâ€“electron interaction induced spin thermalization in quasi-low-dimensional spin valves. Solid State Communications, 2010, 150, 475-479.	0.9	6
141	Thermopower and thermally induced domain wall motion in (Ga, Mn)As. Solid State Communications, 2010, 150, 461-465.	0.9	20
142	Spin Seebeck insulator. Nature Materials, 2010, 9, 894-897.	13.3	1,088
143	Quantifying Spin Hall Angles from Spin Pumping: Experiments and Theory. Physical Review Letters, 2010, 104, 046601.	2.9	603
144	Nanoscale magnetic heat pumps and engines. Physical Review B, 2010, 81, .	1.1	64

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145	Theory of magnon-driven spin Seebeck effect. Physical Review B, 2010, 81, .	1.1	557
146	Unified First-Principles Study of Gilbert Damping, Spin-Flip Diffusion, and Resistivity in Transition Metal Alloys. Physical Review Letters, 2010, 105, 236601.	2.9	111
147	Spin-transfer dynamics in spin valves with out-of-plane magnetized CoNi free layers. Physical Review B, 2010, 81, .	1.1	155
148	Spin heat accumulation and its relaxation in spin valves. Physical Review B, 2010, 81, .	1.1	32
149	Detection and quantification of inverse spin Hall effect from spin pumping in permalloy/normal metal bilayers. Physical Review B, 2010, 82, .	1.1	439
150	Noise and dissipation in magnetoelectronic nanostructures. Physical Review B, 2009, 79, .	1.1	29
151	Charge pumping and the colored thermal voltage noise in spin valves. Physical Review B, 2009, 79, .	1.1	16
152	Spin Accumulation with Spin-Orbit Interaction. Physical Review Letters, 2009, 102, 097204.	2.9	15
153	Barnett effect in thin magnetic films and nanostructures. Applied Physics Letters, 2009, 95, .	1.5	18
154	Hall effects and related phenomena in disordered Rashba 2DEG. Semiconductor Science and Technology, 2009, 24, 064003.	1.0	10
155	Thermoelectric effects in magnetic nanostructures. Physical Review B, 2009, 79, .	1.1	160
156	EXCHANGE-STABILIZATION OF SPIN ACCUMULATION IN THE TWO-DIMENSIONAL ELECTRON GAS WITH RASHBA-TYPE OF SPIN-ORBIT INTERACTION. , 2009, , .		0
157	Calculating scattering matrices by wave function matching. Physica Status Solidi (B): Basic Research, 2008, 245, 623-640.	0.7	46
158	Theory of current-driven magnetization dynamics in inhomogeneous ferromagnets. Journal of Magnetism and Magnetic Materials, 2008, 320, 1282-1292.	1.0	128
159	Spin-transfer torque in magnetic tunnel junctions: Scattering theory. Physical Review B, 2008, 77, .	1.1	89
160	Scattering Theory of Gilbert Damping. Physical Review Letters, 2008, 101, 037207.	2.9	151
161	Proximity-effectâ€“assisted decay of spin currents in superconductors. Europhysics Letters, 2008, 84, 57008.	0.7	29
162	Piezospin Polarization of Currents in Nanostructures. Physical Review Letters, 2008, 101, 036401.	2.9	6

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163	Charge pumping in magnetic tunnel junctions: Scattering theory. Physical Review B, 2008, 77, .	1.1	20
164	Current-induced noise and damping in nonuniform ferromagnets. Physical Review B, 2008, 78, .	1.1	41
165	Extracting current-induced spins: spin boundary conditions at narrow Hall contacts. New Journal of Physics, 2007, 9, 382-382.	1.2	15
166	Magnetization damping in a local-density approximation. Physical Review B, 2007, 75, .	1.1	34
167	Charge and spin transport in spin valves with anisotropic spin relaxation. Physical Review B, 2007, 75, .	1.1	2
168	Resistance noise in spin valves. Physical Review B, 2007, 75, .	1.1	15
169	Current-driven ferromagnetic resonance, mechanical torques, and rotary motion in magnetic nanostructures. Physical Review B, 2007, 75, .	1.1	74
170	Chapter Two Magnetic Nanostructures: Currents and Dynamics. Handbook of Magnetic Materials, 2007, , 123-148.	0.6	0
171	Thermal Spin-Transfer Torque in Magnetoelectronic Devices. Physical Review Letters, 2007, 99, 066603.	2.9	261
172	Vertex Corrections to the Anomalous Hall Effect in Spin-Polarized Two-Dimensional Electron Gases with a Rashba Spin-Orbit Interaction. Physical Review Letters, 2006, 97, 046604.	2.9	97
173	Diffusion of monochromatic classical waves. Physical Review E, 2006, 73, 016618.	0.8	3
174	Magnetomechanical Torques in Small Magnetic Cantilevers. Japanese Journal of Applied Physics, 2006, 45, 3878-3888.	0.8	9
175	Current-Controlled Magnetization Dynamics in the Spin-Flip Transistor. Japanese Journal of Applied Physics, 2006, 45, 3863-3868.	0.8	5
176	Non-collinear magnetoelectronics. Physics Reports, 2006, 427, 157-255.	10.3	404
177	Current-induced macrospin versus spin-wave excitations in spin valves. Physical Review B, 2006, 73, .	1.1	23
178	Exchange effects on electron transport through single-electron spin-valve transistors. Physical Review B, 2006, 74, .	1.1	15
179	Perpendicular spin valves with ultrathin ferromagnetic layers: Magnetoelectronic circuit investigation of finite-size effects. Physical Review B, 2006, 73, .	1.1	28
180	Dynamics of thin-film spin-flip transistors with perpendicular source-drain magnetizations. Physical Review B, 2006, 73, .	1.1	16

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181	First-principles scattering matrices for spin transport. Physical Review B, 2006, 73, .	1.1	104
182	Detection of Current-Induced Spins by Ferromagnetic Contacts. Physical Review Letters, 2006, 97, 256601.	2.9	34
183	Voltage Generation by Ferromagnetic Resonance at a Nonmagnet to Ferromagnet Contact. Physical Review Letters, 2006, 97, 216602.	2.9	62
184	Efficient Magnetization Reversal with Noisy Currents. Physical Review Letters, 2006, 96, 127203.	2.9	17
185	Current-induced magnetization dynamics in disordered itinerant ferromagnets. Physical Review B, 2006, 74, .	1.1	133
186	Energy transport by classical waves through multilayers of diffusing slabs. , 2006, , .		0
187	Numerical simulation of diffusive conductivity in Rashba split two-dimensional gas. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 30, 120-125.	1.3	4
188	Noncollinear single-electron spin-valve transistors. Physical Review B, 2005, 72, .	1.1	34
189	Spin accumulation and decay in magnetic Schottky barriers. Physical Review B, 2005, 72, .	1.1	17
190	Magnetization Noise in Magnetoelectronic Nanostructures. Physical Review Letters, 2005, 95, 016601.	2.9	89
191	Nanomechanical Magnetization Reversal. Physical Review Letters, 2005, 94, 167201.	2.9	48
192	First-principles study of magnetization relaxation enhancement and spin transfer in thin magnetic films. Physical Review B, 2005, 71, .	1.1	197
193	Intrinsic Spin Hall Edges. Physical Review Letters, 2005, 95, 256602.	2.9	92
194	Nonlocal magnetization dynamics in ferromagnetic heterostructures. Reviews of Modern Physics, 2005, 77, 1375-1421.	16.4	1,176
195	Reducing the critical switching current in nanoscale spin valves. Applied Physics Letters, 2004, 85, 3250-3252.	1.5	34
196	Dynamic Ferromagnetic Proximity Effect in Photoexcited Semiconductors. Physical Review Letters, 2004, 92, 126601.	2.9	26
197	Nonmonotonic angular magnetoresistance in asymmetric spin valves. Physical Review B, 2004, 69, .	1.1	33
198	Suppression of the persistent spin Hall current by defect scattering. Physical Review B, 2004, 70, .	1.1	382

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199	Magnetovibrational magnetization dynamics. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1593-E1594.	1.0	0
200	Spin-pumping in ferromagnetâ€“normal metal systems. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1981-1982.	1.0	8
201	APPLIED PHYSICS: Mesmerizing Semiconductors. Science, 2004, 306, 1898-1899.	6.0	8
202	Spin Battery Operated by Ferromagnetic Resonance. ChemInform, 2003, 34, no.	0.1	1
203	Spin-injection through an Fe/InAs interface. Physica Status Solidi A, 2003, 196, 25-28.	1.7	2
204	Diffuse transport and spin accumulation in a Rashba two-dimensional electron gas. Physical Review B, 2003, 67, .	1.1	208
205	Dynamic stiffness of spin valves. Physical Review B, 2003, 67, .	1.1	87
206	Spin injection through an Fe/InAs interface. Physical Review B, 2003, 67, .	1.1	63
207	Magnetovibrational coupling in small cantilevers. Applied Physics Letters, 2003, 83, 1584-1586.	1.5	24
208	Universal angular magnetoresistance and spin torque in ferromagnetic/normal metal hybrids. Physical Review B, 2003, 67, .	1.1	84
209	Spin-torque transistor. Applied Physics Letters, 2003, 82, 3928-3930.	1.5	47
210	Dynamic Exchange Coupling in Magnetic Bilayers. Physical Review Letters, 2003, 90, 187601.	2.9	354
211	Magnetoelectronic Spin Echo. Physical Review Letters, 2003, 91, 166601.	2.9	16
212	Publisherâ€™s Note: Magnetoelectronic Spin Echo [Phys. Rev. Lett.PRLTAO0031-900791, 166601 (2003)]. Physical Review Letters, 2003, 91, .	2.9	0
213	Dynamic exchange coupling and Gilbert damping in magnetic multilayers (invited). Journal of Applied Physics, 2003, 93, 7534-7538.	1.1	23
214	Elementary magnetoelectronics. IEEE Potentials, 2002, 21, 6-10.	0.2	4
215	Spin-Dependent Transparency of Ferromagnet/Superconductor Interfaces. Physical Review Letters, 2002, 89, 166603.	2.9	63
216	Spin battery operated by ferromagnetic resonance. Physical Review B, 2002, 66, .	1.1	384

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217	Amplitude coda of classical waves in disordered media. Physical Review E, 2002, 65, 045604.	0.8	5
218	Scattering theory of interface resistance in magnetic multilayers. Journal Physics D: Applied Physics, 2002, 35, 2410-2414.	1.3	34
219	Spin transfer in diffusive ferromagnetâ€“normal metal systems with spin-flip scattering. Physical Review B, 2002, 66, .	1.1	99
220	Enhanced Gilbert Damping in Thin Ferromagnetic Films. Physical Review Letters, 2002, 88, 117601.	2.9	1,595
221	Spin pumping and magnetization dynamics in metallic multilayers. Physical Review B, 2002, 66, .	1.1	709
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