

Gerrit Bauer

List of Publications by Year in descending order

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349
docs citations

349
times ranked

8824
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Gilbert Damping in Thin Ferromagnetic Films. Physical Review Letters, 2002, 88, 117601.	2.9	1,595
2	Spin caloritronics. Nature Materials, 2012, 11, 391-399.	13.3	1,490
3	Nonlocal magnetization dynamics in ferromagnetic heterostructures. Reviews of Modern Physics, 2005, 77, 1375-1421.	16.4	1,176
4	Spin Seebeck insulator. Nature Materials, 2010, 9, 894-897.	13.3	1,088
5	Spin Hall Magnetoresistance Induced by a Nonequilibrium Proximity Effect. Physical Review Letters, 2013, 110, 206601.	2.9	867
6	Spin pumping and magnetization dynamics in metallic multilayers. Physical Review B, 2002, 66, .	1.1	709
7	Theory of spin Hall magnetoresistance. Physical Review B, 2013, 87, .	1.1	615
8	Quantifying Spin Hall Angles from Spin Pumping: Experiments and Theory. Physical Review Letters, 2010, 104, 046601.	2.9	603
9	Theory of magnon-driven spin Seebeck effect. Physical Review B, 2010, 81, .	1.1	557
10	Finite-Element Theory of Transport in Ferromagnet/Normal Metal Systems. Physical Review Letters, 2000, 84, 2481-2484.	2.9	453
11	Detection and quantification of inverse spin Hall effect from spin pumping in permalloy/normal metal bilayers. Physical Review B, 2010, 82, .	1.1	439
12	Quantitative study of the spin Hall magnetoresistance in ferromagnetic insulator/normal metal hybrids. Physical Review B, 2013, 87, .	1.1	422
13	Non-collinear magnetoelectronics. Physics Reports, 2006, 427, 157-255.	10.3	404
14	Spin battery operated by ferromagnetic resonance. Physical Review B, 2002, 66, .	1.1	384
15	Suppression of the persistent spin Hall current by defect scattering. Physical Review B, 2004, 70, .	1.1	382
16	Dynamic Exchange Coupling in Magnetic Bilayers. Physical Review Letters, 2003, 90, 187601.	2.9	354
17	The 2014 Magnetism Roadmap. Journal Physics D: Applied Physics, 2014, 47, 333001.	1.3	329
18	Perpendicular giant magnetoresistance of magnetic multilayers. Advances in Physics, 1997, 46, 285-445.	35.9	292

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19	The 2021 Magnonics Roadmap. Journal of Physics Condensed Matter, 2021, 33, 413001.	0.7	287
20	Experimental Test of the Spin Mixing Interface Conductivity Concept. Physical Review Letters, 2013, 111, 176601.	2.9	268
21	Thermal Spin-Transfer Torque in Magnetoelectronic Devices. Physical Review Letters, 2007, 99, 066603.	2.9	261
22	Spin-transport in multi-terminal normal metal-ferromagnet systems with non-collinear magnetizations. European Physical Journal B, 2001, 22, 99-110.	0.6	238
23	Exciton mixing in quantum wells. Physical Review B, 1988, 38, 6015-6030.	1.1	229
24	Magnon spin transport driven by the magnon chemical potential in a magnetic insulator. Physical Review B, 2016, 94, .	1.1	228
25	Spin torques in ferromagnetic/normal-metal structures. Physical Review B, 2002, 65, .	1.1	224
26	Diffuse transport and spin accumulation in a Rashba two-dimensional electron gas. Physical Review B, 2003, 67, .	1.1	208
27	First-principles study of magnetization relaxation enhancement and spin transfer in thin magnetic films. Physical Review B, 2005, 71, .	1.1	197
28	Spin transfer torque on magnetic insulators. Europhysics Letters, 2011, 96, 17005.	0.7	193
29	Spin Backflow and ac Voltage Generation by Spin Pumping and the Inverse Spin Hall Effect. Physical Review Letters, 2013, 110, 217602.	2.9	191
30	Observation of the Spin Peltier Effect for Magnetic Insulators. Physical Review Letters, 2014, 113, 027601.	2.9	191
31	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
32	Advances in Magnetism Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetics, 2022, 58, 1-72.	1.2	179
33	Rashba Hamiltonian and electron transport. Physical Review B, 2001, 64, .	1.1	173
34	Giant Magnetoresistance without Defect Scattering. Physical Review Letters, 1995, 74, 586-589.	2.9	168
35	Terahertz Dynamics of Excitons in GaAs/AlGaAs Quantum Wells. Physical Review Letters, 1996, 77, 1131-1134.	2.9	167
36	Exchange magnon-polaritons in microwave cavities. Physical Review B, 2015, 91, .	1.1	165

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37	Thermoelectric effects in magnetic nanostructures. <i>Physical Review B</i> , 2009, 79, .	1.1	160
38	Spin-transfer dynamics in spin valves with out-of-plane magnetized CoNi free layers. <i>Physical Review B</i> , 2010, 81, .	1.1	155
39	Origin of the spin Seebeck effect in compensated ferrimagnets. <i>Nature Communications</i> , 2016, 7, 10452.	5.8	154
40	Scattering Theory of Gilbert Damping. <i>Physical Review Letters</i> , 2008, 101, 037207.	2.9	151
41	Magnon Polarons in the Spin Seebeck Effect. <i>Physical Review Letters</i> , 2016, 117, 207203.	2.9	151
42	Thermal spin pumping and magnon-phonon-mediated spin-Seebeck effect. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	140
43	Cavity magnonics. <i>Physics Reports</i> , 2022, 979, 1-61.	10.3	140
44	Observation of the spin Nernst effect. <i>Nature Materials</i> , 2017, 16, 977-981.	13.3	137
45	Current-induced magnetization dynamics in disordered itinerant ferromagnets. <i>Physical Review B</i> , 2006, 74, .	1.1	133
46	Theory of current-driven magnetization dynamics in inhomogeneous ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1282-1292.	1.0	128
47	Spin accumulation in small ferromagnetic double-barrier junctions. <i>Physical Review B</i> , 1999, 59, 93-96.	1.1	124
48	Strong Interlayer Magnon-Magnon Coupling in Magnetic Metal-Insulator Hybrid Nanostructures. <i>Physical Review Letters</i> , 2018, 120, 217202.	2.9	119
49	Thermal Spin Dynamics of Yttrium Iron Garnet. <i>Physical Review Letters</i> , 2016, 117, 217201.	2.9	118
50	Theory of magnetoexcitons in quantum wells. <i>Physical Review B</i> , 1988, 37, 3130-3133.	1.1	112
51	Unified First-Principles Study of Gilbert Damping, Spin-Flip Diffusion, and Resistivity in Transition Metal Alloys. <i>Physical Review Letters</i> , 2010, 105, 236601.	2.9	111
52	Excitation of unidirectional exchange spin waves by a nanoscale magnetic grating. <i>Physical Review B</i> , 2019, 100, .	1.1	111
53	Interface resistance of disordered magnetic multilayers. <i>Physical Review B</i> , 2001, 63, .	1.1	107
54	First-principles scattering matrices for spin transport. <i>Physical Review B</i> , 2006, 73, .	1.1	104

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55	Negative Domain Wall Resistance in Ferromagnets. Physical Review Letters, 1999, 83, 4401-4404.	2.9	101
56	Perpendicular transport through magnetic multilayers. Physical Review Letters, 1992, 69, 1676-1679.	2.9	99
57	Spin transfer in diffusive ferromagnet-normal metal systems with spin-flip scattering. Physical Review B, 2002, 66, .	1.1	99
58	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
59	Ballistic electron transport through magnetic domain walls. Physical Review B, 1999, 59, 138-141.	1.1	95
60	Interface resistances of magnetic multilayers. Physical Review B, 1997, 56, 10805-10808.	1.1	94
61	Optical Cooling of Magnons. Physical Review Letters, 2018, 121, 087205.	2.9	94
62	Coherent long-range transfer of angular momentum between magnon Kittel modes by phonons. Physical Review B, 2020, 101, .	1.1	94
63	Thermal Spin Transfer in Fe-MgO-Fe Tunnel Junctions. Physical Review Letters, 2011, 107, 176603.	2.9	93
64	Intrinsic Spin Hall Edges. Physical Review Letters, 2005, 95, 256602.	2.9	92
65	Coherent elastic excitation of spin waves. Physical Review B, 2015, 91, .	1.1	92
66	Magnon-polaron transport in magnetic insulators. Physical Review B, 2017, 95, .	1.1	92
67	Exchange magnetic field torques in YIG/Pt bilayers observed by the spin-Hall magnetoresistance. Applied Physics Letters, 2013, 103, .	1.5	90
68	Magnetization Noise in Magnetoelectronic Nanostructures. Physical Review Letters, 2005, 95, 016601.	2.9	89
69	Spin-transfer torque in magnetic tunnel junctions: Scattering theory. Physical Review B, 2008, 77, .	1.1	89
70	Dynamic stiffness of spin valves. Physical Review B, 2003, 67, .	1.1	87
71	Light scattering by magnons in whispering gallery mode cavities. Physical Review B, 2017, 96, .	1.1	85
72	Conductance modulation by spin precession in noncollinear ferromagnet normal-metal ferromagnet systems. Physical Review B, 2000, 62, 5700-5712.	1.1	84

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73	Universal angular magnetoresistance and spin torque in ferromagnetic/normal metal hybrids. Physical Review B, 2003, 67, .	1.1	84
74	Ballistic transport and electronic structure. Physical Review B, 1998, 57, 8907-8926.	1.1	83
75	Domain Wall Propagation through Spin Wave Emission. Physical Review Letters, 2012, 109, 167209.	2.9	83
76	All-optical observation and reconstruction of spin wave dispersion. Nature Communications, 2017, 8, 15859.	5.8	80
77	General operator ground-state expectation values in the Hohenberg-Kohn-Sham density-functional formalism. Physical Review B, 1983, 27, 5912-5918.	1.1	75
78	Current-driven ferromagnetic resonance, mechanical torques, and rotary motion in magnetic nanostructures. Physical Review B, 2007, 75, .	1.1	74
79	Spin Hall magnetoresistance in a canted ferrimagnet. Physical Review B, 2016, 94, .	1.1	73
80	Theory of spin Hall magnetoresistance (SMR) and related phenomena. Journal of Physics Condensed Matter, 2016, 28, 103004.	0.7	73
81	Magnon-phonon interactions in magnetic insulators. Physical Review B, 2019, 99, .	1.1	73
82	Ballistic and diffuse transport through a ferromagnetic domain wall. Physical Review B, 1999, 60, 3406-3413.	1.1	72
83	Spin-Wave Excitation in Magnetic Insulators by Spin-Transfer Torque. Physical Review Letters, 2012, 108, 217204.	2.9	72
84	Many-body effects on the luminescence spectrum of modulation-doped quantum wells. Physical Review B, 1985, 31, 8321-8324.	1.1	71
85	Magnetic resonance imaging of spin-wave transport and interference in a magnetic insulator. Science Advances, 2020, 6, .	4.7	70
86	Spin-Hall magnetoresistance and spin Seebeck effect in spin-spiral and paramagnetic phases of multiferroic CoCr_2 . Physical Review B, 2015, 92, .	1.1	67
87	First-principles study of exchange interactions of yttrium iron garnet. Physical Review B, 2017, 95, .	1.1	66
88	Resources of nonlinear cavity magnonics for quantum information. Physical Review B, 2020, 101, .	1.1	66
89	Nanoscale magnetic heat pumps and engines. Physical Review B, 2010, 81, .	1.1	64
90	Magnetic spheres in microwave cavities. Physical Review B, 2015, 91, .	1.1	64

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91	Spin-Dependent Transparency of Ferromagnet/Superconductor Interfaces. Physical Review Letters, 2002, 89, 166603.	2.9	63
92	Spin injection through an Fe/InAs interface. Physical Review B, 2003, 67, .	1.1	63
93	Nonlocal magnon-polaron transport in yttrium iron garnet. Physical Review B, 2017, 96, .	1.1	63
94	Voltage Generation by Ferromagnetic Resonance at a Nonmagnet to Ferromagnet Contact. Physical Review Letters, 2006, 97, 216602.	2.9	62
95	Laser-Induced Spatiotemporal Dynamics of Magnetic Films. Physical Review Letters, 2015, 115, 197201.	2.9	62
96	Damping of Magnetization Dynamics by Phonon Pumping. Physical Review Letters, 2018, 121, 027202.	2.9	61
97	Spin heat accumulation and spin-dependent temperatures in nanopillar spin valves. Nature Physics, 2013, 9, 636-639.	6.5	60
98	Universality of Transport through Dirty Interfaces. Physical Review Letters, 1997, 78, 3015-3018.	2.9	59
99	Excitons in the quasi-two-dimensional electron gas. Physical Review B, 1992, 45, 9153-9162.	1.1	56
100	Current-induced spin torque resonance of a magnetic insulator. Physical Review B, 2015, 92, .	1.1	55
101	Observation of Magnon Polarization. Physical Review Letters, 2020, 125, 027201.	2.9	55
102	Exciton binding energy in (Al,Ga)As quantum wells: Effects of crystal orientation and envelope-function symmetry. Physical Review B, 1988, 38, 6147-6150.	1.1	54
103	Intrinsic magnetoresistance in metal films on ferromagnetic insulators. Physical Review B, 2014, 90, .	1.1	54
104	Current-Induced Spin-Torque Resonance of Magnetic Insulators. Physical Review Applied, 2014, 2, .	1.5	54
105	Spin accumulation and Andreev reflection in a mesoscopic ferromagnetic wire. Physical Review B, 2000, 62, 9726-9739.	1.1	53
106	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
107	Indirect coupling of magnons by cavity photons. Physical Review B, 2018, 97, .	1.1	51
108	Selection rules for cavity-enhanced Brillouin light scattering from magnetostatic modes. Physical Review B, 2018, 97, .	1.1	51

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109	Spin Seebeck Power Conversion. IEEE Transactions on Magnetics, 2015, 51, 1-14.	1.2	50
110	Mesoscopic charge-density-wave junctions. Physical Review B, 1996, 54, 2798-2805.	1.1	49
111	Magnetic-proximity-induced magnetoresistance on topological insulators. Physical Review B, 2017, 95, .	1.1	49
112	Electron-hole magnetoplasmas in quantum wells. Physical Review Letters, 1990, 64, 60-63.	2.9	48
113	Nanomechanical Magnetization Reversal. Physical Review Letters, 2005, 94, 167201.	2.9	48
114	Magnetization dissipation in ferromagnets from scattering theory. Physical Review B, 2011, 84, .	1.1	48
115	Spin-torque transistor. Applied Physics Letters, 2003, 82, 3928-3930.	1.5	47
116	Exchange interaction in type-II quantum wells. Physical Review B, 1989, 39, 1970-1972.	1.1	46
117	Calculating scattering matrices by wave function matching. Physica Status Solidi (B): Basic Research, 2008, 245, 623-640.	0.7	46
118	Electron correlation effect in the momentum density of copper metal. Physical Review B, 1985, 31, 681-692.	1.1	45
119	Electron spins blow hot and cold. Nature Nanotechnology, 2012, 7, 145-147.	15.6	45
120	Non-equilibrium spin accumulation in ferromagnetic single-electron transistors. European Physical Journal B, 1999, 9, 421-430.	0.6	44
121	Angular and linear momentum of excited ferromagnets. Physical Review B, 2013, 88, .	1.1	44
122	Chiral Pumping of Spin Waves. Physical Review Letters, 2019, 123, 247202.	2.9	43
123	Spin Seebeck power generators. Applied Physics Letters, 2014, 104, 042402.	1.5	42
124	Chiral excitation of spin waves in ferromagnetic films by magnetic nanowire gratings. Physical Review B, 2019, 99, .	1.1	42
125	Theory of band gap renormalisation in modulation-doped quantum wells. Journal of Physics C: Solid State Physics, 1986, 19, 1537-1551.	1.5	41
126	Current-induced noise and damping in nonuniform ferromagnets. Physical Review B, 2008, 78, .	1.1	41

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127	Macrospin Tunneling and Magnetopolaritons with Nanomechanical Interference. Physical Review Letters, 2011, 106, 147203.	2.9	41
128	Spin transport in insulators without exchange stiffness. Nature Communications, 2019, 10, 4740.	5.8	41
129	Current-induced spin-wave excitation in Pt/YIG bilayer. Physical Review B, 2013, 88, .	1.1	39
130	Term spectrum of magnetoexcitons in quasi-two-dimensional systems. Physical Review B, 1990, 41, 10767-10771.	1.1	38
131	Optimal mode matching in cavity optomagnonics. Physical Review B, 2019, 99, .	1.1	37
132	Nonlocal Exchange-Correlation Effects in the Total Compton Profile of Copper Metal. Physical Review Letters, 1984, 52, 2061-2064.	2.9	36
133	Semiquantum thermodynamics of complex ferrimagnets. Physical Review B, 2019, 100, .	1.1	35
134	Electronic structure of free carriers in quantum wells calculated by density-functional theory. Physical Review B, 1986, 34, 1300-1303.	1.1	34
135	Carrier-induced shift and broadening of optical spectra in an $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ quantum well with a gate electrode. Physical Review B, 1988, 38, 10791-10797.	1.1	34
136	Magnetoexcitons in narrow $\text{GaAs}/\text{Ga}_{1-x}\text{Al}_x\text{As}$ quantum wells. Physical Review B, 1991, 43, 14707-14710.	1.1	34
137	Scattering theory of interface resistance in magnetic multilayers. Journal Physics D: Applied Physics, 2002, 35, 2410-2414.	1.3	34
138	Reducing the critical switching current in nanoscale spin valves. Applied Physics Letters, 2004, 85, 3250-3252.	1.5	34
139	Noncollinear single-electron spin-valve transistors. Physical Review B, 2005, 72, .	1.1	34
140	Detection of Current-Induced Spins by Ferromagnetic Contacts. Physical Review Letters, 2006, 97, 256601.	2.9	34
141	Magnetization damping in a local-density approximation. Physical Review B, 2007, 75, .	1.1	34
142	Magnonic Domain Wall Heat Conductance in Ferromagnetic Wires. Physical Review Letters, 2012, 109, 087202.	2.9	34
143	Magnon Accumulation in Chirally Coupled Magnets. Physical Review Letters, 2020, 124, 107202.	2.9	34
144	Nonmonotonic angular magnetoresistance in asymmetric spin valves. Physical Review B, 2004, 69, .	1.1	33

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145	Density-functional theory of the Compton profile anisotropy of copper metal. <i>European Physical Journal B</i> , 1983, 54, 17-24.	0.6	32
146	Excitons in dense two-dimensional electron-hole magnetoplasmas. <i>Physical Review B</i> , 1992, 46, 12765-12768.	1.1	32
147	Spin heat accumulation and its relaxation in spin valves. <i>Physical Review B</i> , 2010, 81, .	1.1	32
148	Unidirectional Pumping of Phonons by Magnetization Dynamics. <i>Physical Review Letters</i> , 2020, 125, 077203.	2.9	30
149	Proximity-effect-assisted decay of spin currents in superconductors. <i>Europhysics Letters</i> , 2008, 84, 57008.	0.7	29
150	Noise and dissipation in magnetoelectronic nanostructures. <i>Physical Review B</i> , 2009, 79, .	1.1	29
151	Magnetization damping in noncollinear spin valves with antiferromagnetic interlayer couplings. <i>Physical Review B</i> , 2015, 92, .	1.1	29
152	Semiclassical theory of perpendicular transport and giant magnetoresistance in disordered metallic multilayers. <i>Physical Review B</i> , 1994, 49, 14684-14699.	1.1	28
153	Perpendicular spin valves with ultrathin ferromagnetic layers: Magnetoelectronic circuit investigation of finite-size effects. <i>Physical Review B</i> , 2006, 73, .	1.1	28
154	Chiral coupling of magnons in waveguides. <i>Physical Review B</i> , 2020, 101, .	1.1	28
155	Angular momentum conservation and phonon spin in magnetic insulators. <i>Physical Review B</i> , 2020, 101, .	1.1	28
156	Collective transport through charge-density-wave heterostructures. <i>Physical Review B</i> , 1996, 54, 8487-8490.	1.1	27
157	Thermoelectric spin diffusion in a ferromagnetic metal. <i>Solid State Communications</i> , 2010, 150, 480-484.	0.9	27
158	Acoustic parametric pumping of spin waves. <i>Solid State Communications</i> , 2014, 198, 30-34.	0.9	27
159	Crystal field effects on spin pumping. <i>Physical Review B</i> , 2017, 96, .	1.1	27
160	Density-functional theory of quantum wires and dots in a strong magnetic field. <i>Physical Review B</i> , 1995, 52, 12143-12152.	1.1	26
161	Dynamic Ferromagnetic Proximity Effect in Photoexcited Semiconductors. <i>Physical Review Letters</i> , 2004, 92, 126601.	2.9	26
162	Light-induced spin polarizations in quantum rings. <i>Physical Review B</i> , 2014, 90, .	1.1	26

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163	Nonreciprocal coherent coupling of nanomagnets by exchange spin waves. Nano Research, 2021, 14, 2133-2138.	5.8	26
164	Magnetomechanical coupling and ferromagnetic resonance in magnetic nanoparticles. Physical Review B, 2017, 95, .	1.1	25
165	Low-temperature transport of excitons in type-II GaAs/AlAs quantum wells. Physical Review B, 1995, 51, 14524-14531.	1.1	24
166	Magnetovibrational coupling in small cantilevers. Applied Physics Letters, 2003, 83, 1584-1586.	1.5	24
167	Manipulation of ferromagnets via the spin-selective optical Stark effect. Physical Review B, 2013, 88, .	1.1	24
168	Analog Quantum Control of Magnonic Cat States on a Chip by a Superconducting Qubit. Physical Review Letters, 2022, 129, .	2.9	24
169	Dynamic exchange coupling and Gilbert damping in magnetic multilayers (invited). Journal of Applied Physics, 2003, 93, 7534-7538.	1.1	23
170	Current-induced macrospin versus spin-wave excitations in spin valves. Physical Review B, 2006, 73, .	1.1	23
171	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
172	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
173	Spin-Hall and anisotropic magnetoresistance in ferrimagnetic Co-Gd/Pt layers. Physical Review Materials, 2018, 2, .	0.9	22
174	Parameterization of site-site potentials in the spherical expansion formalism A point charge model for the electrostatic interaction of the aza-benzene molecules. Molecular Physics, 1982, 47, 565-583.	0.8	21
175	Transport through dirty interfaces. Physical Review B, 1997, 56, 15860-15872.	1.1	21
176	Correlation effects on the optical properties of confined plasmas. Surface Science, 1990, 229, 374-379.	0.8	20
177	Charge pumping in magnetic tunnel junctions: Scattering theory. Physical Review B, 2008, 77, .	1.1	20
178	Thermopower and thermally induced domain wall motion in (Ga, Mn)As. Solid State Communications, 2010, 150, 461-465.	0.9	20
179	Spin Hall noise. Physical Review B, 2014, 90, .	1.1	20
180	Density-functional theory of the compton profiles of beryllium metal. Solid State Communications, 1983, 47, 673-676.	0.9	19

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181	Magnetoexcitons in quantum wires with an anisotropic parabolic potential. <i>Physical Review B</i> , 1994, 50, 7719-7723.	1.1	19
182	Ab initio magnetoresistance in magnetic domain walls. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 188-192.	1.0	19
183	Circulating cavity magnon polaritons. <i>Physical Review B</i> , 2020, 102, .	1.1	19
184	High angular-momentum excitons in GaAs/Ga λ xAlxAs quantum wells. <i>Physical Review B</i> , 1988, 38, 10154-10157.	1.1	18
185	Exciton mixing in a wide GaAs/AlAs quantum well in weak and intermediate magnetic fields. <i>Physical Review B</i> , 1990, 42, 1478-1481.	1.1	18
186	Barnett effect in thin magnetic films and nanostructures. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	18
187	Field-free synthetic-ferromagnet spin torque oscillator. <i>Physical Review B</i> , 2013, 87, .	1.1	18
188	Thermoelectricity and disorder of FeCo/MgO/FeCo magnetic tunnel junctions. <i>Physical Review B</i> , 2014, 90, .	1.1	18
189	Actuation, propagation, and detection of transverse magnetoelastic waves in ferromagnets. <i>Solid State Communications</i> , 2014, 198, 35-39.	0.9	18
190	Voltage Control of Rare-Earth Magnetic Moments at the Magnetic-Insulator-Metal Interface. <i>Physical Review Letters</i> , 2018, 120, 027201.	2.9	18
191	Magnon trap by chiral spin pumping. <i>Physical Review B</i> , 2020, 102, .	1.1	18
192	Spin accumulation and decay in magnetic Schottky barriers. <i>Physical Review B</i> , 2005, 72, .	1.1	17
193	Efficient Magnetization Reversal with Noisy Currents. <i>Physical Review Letters</i> , 2006, 96, 127203.	2.9	17
194	Theory of Transport in Ferroelectric Capacitors. <i>Physical Review Letters</i> , 2021, 126, 187603.	2.9	17
195	Polarization anisotropies in quantum wells. <i>Surface Science</i> , 1992, 267, 442-444.	0.8	16
196	Specular vs. Diffuse Interface Scattering in Perpendicular Transport. <i>Europhysics Letters</i> , 1994, 26, 117-122.	0.7	16
197	Hysteresis and defects of spin-polarized edge states in the integer quantum Hall regime. <i>Physical Review B</i> , 1994, 50, 8629-8635.	1.1	16
198	Magneto-electronic Spin Echo. <i>Physical Review Letters</i> , 2003, 91, 166601.	2.9	16

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199	Dynamics of thin-film spin-flip transistors with perpendicular source-drain magnetizations. Physical Review B, 2006, 73, .	1.1	16
200	Charge pumping and the colored thermal voltage noise in spin valves. Physical Review B, 2009, 79, .	1.1	16
201	Shot noise in magnetic tunnel junctions from first principles. Physical Review B, 2012, 86, .	1.1	16
202	Surface dynamics of rough magnetic films. Physical Review B, 2019, 99, .	1.1	16
203	Scattering theory of perpendicular transport in metallic multilayers (invited). Journal of Applied Physics, 1994, 75, 6704-6708.	1.1	15
204	Persistent currents in a Peierls insulator. Europhysics Letters, 1996, 36, 613-618.	0.7	15
205	Exchange effects on electron transport through single-electron spin-valve transistors. Physical Review B, 2006, 74, .	1.1	15
206	Extracting current-induced spins: spin boundary conditions at narrow Hall contacts. New Journal of Physics, 2007, 9, 382-382.	1.2	15
207	Resistance noise in spin valves. Physical Review B, 2007, 75, .	1.1	15
208	Spin Accumulation with Spin-Orbit Interaction. Physical Review Letters, 2009, 102, 097204.	2.9	15
209	Spin-magnon transmutation. Physics Magazine, 0, 4, .	0.1	15
210	Thermally induced dynamics in ultrathin magnetic tunnel junctions. Physical Review B, 2013, 88, .	1.1	15
211	Magnetic order of $\langle \mathbf{m}_i \cdot \mathbf{m}_j \rangle$ and $\langle \mathbf{m}_i \cdot \mathbf{m}_j \rangle$ moments in antiferromagnetic $\langle \mathbf{m}_i \cdot \mathbf{m}_j \rangle$. Physical Review B, 2013, 88, .	1.1	15
212	Bright and Dark States of Two Distant Macrospins Strongly Coupled by Phonons. Physical Review X, 2022, 12, .	2.8	15
213	Polarization spectra of quantum wells with imperfect-grid insertions. Physical Review B, 1991, 44, 5562-5567.	1.1	14
214	Tunneling spectroscopy of mesoscopic charge density wave systems. Solid State Communications, 1996, 100, 37-41.	0.9	14
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