Arne Brataas

List of Publications by Year in descending order

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224 papers	16,916 citations	28190 55 h-index	15218 126 g-index
228 all docs	228 docs citations	228 times ranked	8366 citing authors

#	Article	IF	Citations
1	Enhanced Gilbert Damping in Thin Ferromagnetic Films. Physical Review Letters, 2002, 88, 117601.	2.9	1,595
2	Nonlocal magnetization dynamics in ferromagnetic heterostructures. Reviews of Modern Physics, 2005, 77, 1375-1421.	16.4	1,176
3	Current-induced torques in magnetic materials. Nature Materials, 2012, 11, 372-381.	13.3	969
4	Spin-orbit coupling in curved graphene, fullerenes, nanotubes, and nanotube caps. Physical Review B, 2006, 74, .	1.1	891
5	Transport properties of nonequilibrium systems under the application of light: Photoinduced quantum Hall insulators without Landau levels. Physical Review B, 2011, 84, .	1.1	820
6	Spin pumping and magnetization dynamics in metallic multilayers. Physical Review B, 2002, 66, .	1.1	709
7	Finite-Element Theory of Transport in Ferromagnetâ€“Normal Metal Systems. Physical Review Letters, 2000, 84, 2481-2484.	2.9	453
8	Spin transport in proximity-induced ferromagnetic graphene. Physical Review B, 2008, 77, .	1.1	449
9	Non-collinear magnetoelectronics. Physics Reports, 2006, 427, 157-255.	10.3	404
10	Spin battery operated by ferromagnetic resonance. Physical Review B, 2002, 66, .	1.1	384
11	Tunable long-distance spin transport in a crystalline antiferromagnetic iron oxide. Nature, 2018, 561, 222-225.	13.7	364
12	Dynamic Exchange Coupling in Magnetic Bilayers. Physical Review Letters, 2003, 90, 187601.	2.9	354
13	Spin Pumping and Spin-Transfer Torques in Antiferromagnets. Physical Review Letters, 2014, 113, 057601.	2.9	305
14	Spin-Orbit-Mediated Spin Relaxation in Graphene. Physical Review Letters, 2009, 103, 146801.	2.9	249
15	Spin-transport in multi-terminal normal metal-ferromagnet systems with non-collinear magnetizations. European Physical Journal B, 2001, 22, 99-110.	0.6	238
16	Spin torques in ferromagnetic/normal-metal structures. Physical Review B, 2002, 65, .	1.1	224
17	Antiferromagnetic spin textures and dynamics. Nature Physics, 2018, 14, 213-216.	6.5	219
18	Terahertz Antiferromagnetic Spin Hall Nano-Oscillator. Physical Review Letters, 2016, 116, 207603.	2.9	216

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19	First-principles study of magnetization relaxation enhancement and spin transfer in thin magnetic films. Physical Review B, 2005, 71, .	1.1	197
20	Phenomenology of Current-Induced Dynamics in Antiferromagnets. Physical Review Letters, 2011, 106, 107206.	2.9	184
21	Subterahertz spin pumping from an insulating antiferromagnet. Science, 2020, 368, 160-165.	6.0	175
22	Staggered Dynamics in Antiferromagnets by Collective Coordinates. Physical Review Letters, 2013, 110, 127208.	2.9	164
23	Spinâ€“orbit torques in action. Nature Nanotechnology, 2014, 9, 86-88.	15.6	154
24	Scattering Theory of Gilbert Damping. Physical Review Letters, 2008, 101, 037207.	2.9	151
25	Antiferromagnetic Domain Wall Motion Induced by Spin Waves. Physical Review Letters, 2014, 112, 147204.	2.9	137
26	Current-induced magnetization dynamics in disordered itinerant ferromagnets. Physical Review B, 2006, 74, .	1.1	133
27	Theory of current-driven magnetization dynamics in inhomogeneous ferromagnets. Journal of Magnetism and Magnetic Materials, 2008, 320, 1282-1292.	1.0	128
28	Spin accumulation in small ferromagnetic double-barrier junctions. Physical Review B, 1999, 59, 93-96.	1.1	124
29	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
30	Negative Domain Wall Resistance in Ferromagnets. Physical Review Letters, 1999, 83, 4401-4404.	2.9	101
31	Spin transfer in diffusive ferromagnetâ€“normal metal systems with spin-flip scattering. Physical Review B, 2002, 66, .	1.1	99
32	Scattering of spin current injected in Pd(001). Journal of Applied Physics, 2005, 97, 10A714.	1.1	97
33	Ballistic electron transport through magnetic domain walls. Physical Review B, 1999, 59, 138-141.	1.1	95
34	Magnetization Noise in Magnetoelectronic Nanostructures. Physical Review Letters, 2005, 95, 016601.	2.9	89
35	Spin-transfer torque in magnetic tunnel junctions: Scattering theory. Physical Review B, 2008, 77, .	1.1	89
36	Dynamic stiffness of spin valves. Physical Review B, 2003, 67, .	1.1	87

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37	Intrinsic magnetization of antiferromagnetic textures. Physical Review B, 2016, 93, .	1.1	86
38	Conductance modulation by spin precession in noncollinear ferromagnet normal-metal ferromagnet systems. Physical Review B, 2000, 62, 5700-5712.	1.1	84
39	Universal angular magnetoresistance and spin torque in ferromagnetic/normal metal hybrids. Physical Review B, 2003, 67, .	1.1	84
40	Spin insulatronics. Physics Reports, 2020, 885, 1-27.	10.3	83
41	Current Control of Magnetism in Two-Dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ Physical Review Letters, 2019, 122, 217203.	2.9	82
42	Bernstein modes in quantum wires and dots. Physical Review B, 1995, 51, 17744-17754.	1.1	78
43	Current-driven ferromagnetic resonance, mechanical torques, and rotary motion in magnetic nanostructures. Physical Review B, 2007, 75, .	1.1	74
44	Phenomenology of current-induced skyrmion motion in antiferromagnets. New Journal of Physics, 2016, 18, 075016.	1.2	74
45	Ballistic and diffuse transport through a ferromagnetic domain wall. Physical Review B, 1999, 60, 3406-3413.	1.1	72
46	Spin Injection and Relaxation in a Mesoscopic Superconductor. Physical Review Letters, 2008, 100, 136601.	2.9	70
47	Current-Driven Dynamics of Magnetic Hopfions. Physical Review Letters, 2019, 123, 147203.	2.9	69
48	Circuit theory of crossed Andreev reflection. Physical Review B, 2006, 74, .	1.1	65
49	Nanoscale magnetic heat pumps and engines. Physical Review B, 2010, 81, .	1.1	64
50	Magnonic charge pumping via spinâ€“orbit coupling. Nature Nanotechnology, 2015, 10, 50-54.	15.6	64
51	Spin Superfluidity in Biaxial Antiferromagnetic Insulators. Physical Review Letters, 2017, 118, 137201.	2.9	63
52	Voltage Generation by Ferromagnetic Resonance at a Nonmagnet to Ferromagnet Contact. Physical Review Letters, 2006, 97, 216602.	2.9	62
53	Controlling chiral domain walls in antiferromagnets using spin-wave helicity. Physical Review B, 2018, 97, .	1.1	61
54	Scattering theory of charge-currentâ€“induced magnetization dynamics. Europhysics Letters, 2010, 90, 47002.	0.7	59

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55	Phenomenology of current-induced spin-orbit torques. Physical Review B, 2013, 88, .	1.1	56
56	Antiferromagnetic magnons as highly squeezed Fock states underlying quantum correlations. Physical Review B, 2019, 100, .	1.1	56
57	Spin Pumping and Enhanced Gilbert Damping in Thin Magnetic Insulator Films. Physical Review Letters, 2013, 111, 097602.	2.9	54
58	Spin accumulation and Andreev reflection in a mesoscopic ferromagnetic wire. Physical Review B, 2000, 62, 9726-9739.	1.1	53
59	Spin Hall effects in diffusive normal metals. Physical Review B, 2005, 71, .	1.1	53
60	Gilbert damping phenomenology for two-sublattice magnets. Physical Review B, 2018, 98, .	1.1	53
61	Bulk and edge spin transport in topological magnon insulators. Physical Review B, 2018, 97, .	1.1	52
62	Dynamic phase diagram of dc-pumped magnon condensates. Physical Review B, 2014, 90, .	1.1	51
63	Electron-magnon scattering in magnetic heterostructures far out of equilibrium. Physical Review B, 2015, 92, .	1.1	49
64	Nanomechanical Magnetization Reversal. Physical Review Letters, 2005, 94, 167201.	2.9	48
65	Inverse spin Hall effect in superconductor/normal-metal/superconductor Josephson junctions. Physical Review B, 2010, 81, .	1.1	48
66	Magnetization dissipation in ferromagnets from scattering theory. Physical Review B, 2011, 84, .	1.1	48
67	Propagation Length of Antiferromagnetic Magnons Governed by Domain Configurations. Nano Letters, 2020, 20, 306-313.	4.5	48
68	Spin-torque transistor. Applied Physics Letters, 2003, 82, 3928-3930.	1.5	47
69	Chiral Phonon Transport Induced by Topological Magnons. Physical Review Letters, 2019, 122, 107201.	2.9	47
70	Ultrafast generation and dynamics of isolated skyrmions in antiferromagnetic insulators. Physical Review B, 2019, 99, .	1.1	47
71	Shot noise in ferromagnetâ€“normal metal systems. Physical Review B, 2001, 64, .	1.1	45
72	Giant Current-Driven Domain Wall Mobility in (Ga,Mn)As. Physical Review Letters, 2007, 98, 146602.	2.9	45

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73	Non-equilibrium spin accumulation in ferromagnetic single-electron transistors. European Physical Journal B, 1999, 9, 421-430.	0.6	44
74	Spin transport in diffusive superconductors. Physical Review B, 2004, 70, .	1.1	44
75	Spin Superfluidity and Long-Range Transport in Thin-Film Ferromagnets. Physical Review Letters, 2015, 115, 237201.	2.9	44
76	Kondo effect and spin filtering in triangular artificial atoms. Solid State Communications, 2003, 126, 463-466.	0.9	43
77	Magneto-Josephson effects in junctions with Majorana bound states. Physical Review B, 2013, 87, .	1.1	43
78	Large Magnetoresistance Ratio in Ferromagnetic Single-Electron Transistors in the Strong Tunneling Regime. Physical Review Letters, 1999, 83, 5138-5141.	2.9	42
79	Spin pumping and inverse spin Hall voltages from dynamical antiferromagnets. Physical Review B, 2017, 95, .	1.1	42
80	Current-induced noise and damping in nonuniform ferromagnets. Physical Review B, 2008, 78, .	1.1	41
81	Enhanced Spin Conductance of a Thin-Film Insulating Antiferromagnet. Physical Review Letters, 2017, 119, 056804.	2.9	40
82	Intrinsic Coupling between Current and Domain Wall Motion in (Ga,Mn)As. Physical Review Letters, 2009, 102, 256601.	2.9	38
83	Chiral domain walls move faster. Nature Nanotechnology, 2013, 8, 485-486.	15.6	37
84	Spin and Charge Pumping by Ferromagnetic-Superconductor Order Parameters. Physical Review Letters, 2004, 93, 087201.	2.9	35
85	Gilbert Damping in Noncollinear Ferromagnets. Physical Review Letters, 2014, 113, 266603.	2.9	35
86	Observation of Magnon Polarons in a Uniaxial Antiferromagnetic Insulator. Physical Review Letters, 2020, 125, 217201.	2.9	35
87	Reducing the critical switching current in nanoscale spin valves. Applied Physics Letters, 2004, 85, 3250-3252.	1.5	34
88	Spin transport and magnetoresistance in ferromagnet/superconductor/ferromagnet spin valves. Physical Review B, 2005, 72, .	1.1	34
89	Magnetization damping in a local-density approximation. Physical Review B, 2007, 75, .	1.1	34
90	Spin-motive forces and current-induced torques in ferromagnets. Physical Review B, 2015, 91, .	1.1	34

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91	Nonlocal Coupling between Antiferromagnets and Ferromagnets in Cavities. Physical Review Letters, 2018, 121, 087204.	2.9	34
92	Magnon-squeezing as a niche of quantum magnonics. Applied Physics Letters, 2020, 117, .	1.5	34
93	Nonmonotonic angular magnetoresistance in asymmetric spin valves. Physical Review B, 2004, 69, .	1.1	33
94	Backscattering in helical edge states from a magnetic impurity and Rashba disorder. Physical Review B, 2016, 93, .	1.1	33
95	Current and spin torque in double tunnel barrier ferromagnet-superconductor- ferromagnet systems. Physical Review B, 2002, 65, .	1.1	32
96	Boundary spin Hall effect in a two-dimensional semiconductor system with Rashba spin-orbit coupling. Physical Review B, 2007, 76, .	1.1	32
97	Theory of the Interfacial Dzyaloshinskii-Moriya Interaction in Rashba Antiferromagnets. Physical Review Letters, 2018, 120, 197202.	2.9	32
98	Full counting statistics of crossed Andreev reflection. Physical Review B, 2008, 78, .	1.1	31
99	Enhancement of superconductivity mediated by antiferromagnetic squeezed magnons. Physical Review B, 2019, 100, .	1.1	30
100	Proximity-effectâ€“assisted decay of spin currents in superconductors. Europhysics Letters, 2008, 84, 57008.	0.7	29
101	Noise and dissipation in magnetoelectronic nanostructures. Physical Review B, 2009, 79, .	1.1	29
102	Spin-orbit torques and anisotropic magnetization damping in skyrmion crystals. Physical Review B, 2014, 89, .	1.1	29
103	Semiclassical theory of perpendicular transport and giant magnetoresistance in disordered metallic multilayers. Physical Review B, 1994, 49, 14684-14699.	1.1	28
104	Perpendicular spin valves with ultrathin ferromagnetic layers: Magnetoelectronic circuit investigation of finite-size effects. Physical Review B, 2006, 73, .	1.1	28
105	Intrinsic Domain-Wall Resistance in Ferromagnetic Semiconductors. Physical Review Letters, 2006, 97, 136603.	2.9	28
106	Dynamic Ferromagnetic Proximity Effect in Photoexcited Semiconductors. Physical Review Letters, 2004, 92, 126601.	2.9	26
107	Bosonic Bott Index and Disorder-Induced Topological Transitions of Magnons. Physical Review Letters, 2020, 125, 217202.	2.9	26
108	Spin surprise in carbon. Nature, 2008, 452, 419-420.	13.7	25

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109	Magnetovibrational coupling in small cantilevers. Applied Physics Letters, 2003, 83, 1584-1586.	1.5	24
110	Manipulation of ferromagnets via the spin-selective optical Stark effect. Physical Review B, 2013, 88, .	1.1	24
111	Dynamic exchange coupling and Gilbert damping in magnetic multilayers (invited). Journal of Applied Physics, 2003, 93, 7534-7538.	1.1	23
112	Current-induced macrospin versus spin-wave excitations in spin valves. Physical Review B, 2006, 73, .	1.1	23
113	Superconductivity induced by interfacial coupling to magnons. Physical Review B, 2018, 97, .	1.1	23
114	Nuclear dynamics during Landau-Zener singlet-triplet transitions in double quantum dots. Physical Review B, 2011, 84, .	1.1	22
115	Superconductivity at metal-antiferromagnetic insulator interfaces. Physical Review B, 2019, 100, .	1.1	22
116	Spin transport in mesoscopic rings with inhomogeneous spin-orbit coupling. Physical Review B, 2007, 76, .	1.1	20
117	Charge pumping in magnetic tunnel junctions: Scattering theory. Physical Review B, 2008, 77, .	1.1	20
118	Thermopower and thermally induced domain wall motion in (Ga, Mn)As. Solid State Communications, 2010, 150, 461-465.	0.9	20
119	Spin-Transfer and Exchange Torques in Ferromagnetic Superconductors. Physical Review Letters, 2012, 109, 237206.	2.9	20
120	Spin-transfer torques in helimagnets. Physical Review B, 2013, 87, .	1.1	20
121	Electrically driven Bose-Einstein condensation of magnons in antiferromagnets. Physical Review B, 2017, 95, .	1.1	20
122	Magnon-polarons in cubic collinear antiferromagnets. Physical Review B, 2019, 99, .	1.1	20
123	Spin-Orbit-Coupling-Induced Domain-Wall Resistance in Diffusive Ferromagnets. Physical Review Letters, 2012, 109, 267201.	2.9	19
124	Ultrafast control of spin interactions in honeycomb antiferromagnetic insulators. Physical Review B, 2019, 100, .	1.1	19
125	Identifying the origin of the nonmonotonic thickness dependence of spin-orbit torque and interfacial Dzyaloshinskii-Moriya interaction in a ferrimagnetic insulator heterostructure. Physical Review B, 2020, 102, .	1.1	19
126	Barnett effect in thin magnetic films and nanostructures. Applied Physics Letters, 2009, 95, .	1.5	18

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127	Spin Hall effect and spin swapping in diffusive superconductors. Physical Review B, 2017, 95, .	1.1	18
128	Electrical and thermal transport in antiferromagnet-superconductor junctions. Physical Review B, 2020, 102, .	1.1	18
129	Magnon Spin Current Induced by Triplet Cooper Pair Supercurrents. Physical Review Letters, 2021, 127, 207001.	2.9	18
130	Linear-response conductance and magnetoresistance of ferromagnetic single-electron transistors. Physical Review B, 2001, 64, .	1.1	17
131	Spin accumulation and decay in magnetic Schottky barriers. Physical Review B, 2005, 72, .	1.1	17
132	Antiferromagnetic single-layer spin-orbit torque oscillators. Physical Review B, 2019, 99, .	1.1	17
133	Spin transport in thick insulating antiferromagnetic films. Physical Review B, 2020, 101, .	1.1	17
134	Specular vs. Diffuse Interface Scattering in Perpendicular Transport. Europhysics Letters, 1994, 26, 117-122.	0.7	16
135	Magnetoelectronic Spin Echo. Physical Review Letters, 2003, 91, 166601.	2.9	16
136	Elementary charge transfer processes in a superconductor-ferromagnet entangler. Europhysics Letters, 2008, 81, 40002.	0.7	16
137	Charge pumping and the colored thermal voltage noise in spin valves. Physical Review B, 2009, 79, .	1.1	16
138	Heat transport between antiferromagnetic insulators and normal metals. Physical Review B, 2015, 92, .	1.1	16
139	Scattering theory of perpendicular transport in metallic multilayers (invited). Journal of Applied Physics, 1994, 75, 6704-6708.	1.1	15
140	Spin Hall effect, Hall effect, and spin precession in diffusive normal metals. Physical Review B, 2005, 72, .	1.1	15
141	Resistance noise in spin valves. Physical Review B, 2007, 75, .	1.1	15
142	Spin waves in ferromagnetic insulators coupled via a normal metal. Physical Review B, 2014, 90, .	1.1	15
143	Magnon-mediated superconductivity on the surface of a topological insulator. Physical Review B, 2020, 101, .	1.1	15
144	Magnon-Mediated Indirect Exciton Condensation through Antiferromagnetic Insulators. Physical Review Letters, 2019, 123, 167203.	2.9	14

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145	Giant Fluctuations of Superconducting Order Parameter in Ferromagnet-Superconductor Single-Electron Transistors. Physical Review Letters, 2004, 93, 216805.	2.9	13
146	Crossed Andreev reflection versus electron transfer in three-terminal graphene devices. Physical Review B, 2010, 81, .	1.1	13
147	Ferromagnetic resonance and voltage-induced transport in normal metal-ferromagnet-superconductor trilayers. Physical Review B, 2011, 84, .	1.1	13
148	Magnon decay theory of Gilbert damping in metallic antiferromagnets. Physical Review B, 2020, 101, .	1.1	13
149	Spin pumping between noncollinear ferromagnetic insulators through thin superconductors. Physical Review B, 2021, 103, .	1.1	13
150	Magnetization reversal induced by spin accumulation in ferromagnetic transition-metal dots. Physical Review B, 2004, 70, .	1.1	12
151	Spontaneous-symmetry-breaking mechanism of adiabatic pumping. Physical Review B, 2005, 71, .	1.1	12
152	Spin injection in quantum wells with spatially dependent rashba interaction. New Journal of Physics, 2007, 9, 345-345.	1.2	12
153	Intrinsic spin swapping. Physical Review B, 2012, 85, .	1.1	12
154	Anderson localization and quantum Hall effect: Numerical observation of two-parameter scaling. Physical Review B, 2015, 91, .	1.1	12
155	Spin-orbit torques for current parallel and perpendicular to a domain wall. Applied Physics Letters, 2015, 107, .	1.5	12
156	Optical conversion of pure spin currents in hybrid molecular devices. Nature Communications, 2017, 8, 926.	5.8	12
157	Spin-transfer antiferromagnetic resonance. Physical Review B, 2018, 97, .	1.1	12
158	Domain wall resistivity in diffuse ferromagnets. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 78, 545-548.	0.6	11
159	Semiclassical concepts in magnetoelectronics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 84, 31-36.	1.7	11
160	Spin Accumulation in a Quantum Cluster Resolved in Tunnel Junctions. Japanese Journal of Applied Physics, 2001, 40, 2329-2335.	0.8	11
161	Triplet supercurrent in ferromagnetic Josephson junctions by spin injection. Physical Review B, 2012, 86, .	1.1	11
162	Nonlinear magneto-optical and magnetoelectric phenomena in topological insulator heterostructures. Physical Review B, 2013, 88, .	1.1	11

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163	Electrically Controlled Crossed Andreev Reflection in Two-Dimensional Antiferromagnets. Physical Review Letters, 2021, 127, 017701.	2.9	11
164	Quantum effects in the Raman spectrum of a quantum dot. Physical Review B, 1995, 51, 7669-7678.	1.1	10
165	Equations of motion and frequency dependence of magnon-induced domain wall motion. Physical Review B, 2017, 96, .	1.1	10
166	Theory of charge-density and spin-density excitations for two electrons in a circular quantum dot. Physical Review B, 1996, 54, 10736-10741.	1.1	9
167	Collective excitations in realistic quantum wires. Journal of Physics Condensed Matter, 1996, 8, L325-L330.	0.7	9
168	Magnetomechanical Torques in Small Magnetic Cantilevers. Japanese Journal of Applied Physics, 2006, 45, 3878-3888.	0.8	9
169	Spin detection in quantum dots by electric currents. Physical Review B, 2004, 69, .	1.1	8
170	Spin-pumping in ferromagnetâ€“normal metal systems. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1981-1982.	1.0	8
171	Spin transfer and spin pumping in disordered normal metalâ€“antiferromagnetic insulator systems. Physical Review B, 2018, 97, .	1.1	8
172	Quantum magnetization fluctuations via spin shot noise. Physical Review B, 2018, 98, .	1.1	8
173	Cross-sublattice spin pumping and magnon level attraction in van der Waals antiferromagnets. Physical Review B, 2021, 103, .	1.1	8
174	Boseâ€“Einstein condensation of nonequilibrium magnons in confined systems. New Journal of Physics, 2020, 22, 083080.	1.2	8
175	Circuit theory for crossed Andreev reflection and nonlocal conductance. Applied Physics A: Materials Science and Processing, 2007, 89, 609-612.	1.1	7
176	Effective Magnetic Monopoles and Universal Conductance Fluctuations. Physical Review Letters, 2010, 105, 207204.	2.9	7
177	External Control of a Metal-Insulator Transition in GaMnAs Wires. Physical Review Letters, 2008, 101, 016801.	2.9	6
178	Dynamical Self-Quenching of Spin Pumping into Double Quantum Dots. Physical Review Letters, 2012, 109, 236803.	2.9	6
179	Insulating Magnets Control Neighborâ€™s Conduction. Physics Magazine, 0, 6, .	0.1	6
180	Current-induced magnetization dynamics in two magnetic insulators separated by a normal metal. Physical Review B, 2014, 90, .	1.1	6

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181	Anisotropic and Controllable Gilbert-Bloch Dissipation in Spin Valves. Physical Review Letters, 2019, 122, 147201.	2.9	6
182	Magnetotransport Study of van der Waals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Cr</mml:mi><mml:mi>PS</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml: stretchy="false">(</mml:mo><mml:mi>Pt</mml:mi><mml:mo>,</mml:mo><mml:mi>Pd</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlo	1.3	6
183	Room-Temperature Anomalous Hall Effect. Physical Review Applied, 2022, 17, . Transport through a quantum dot pillar. Semiconductor Science and Technology, 1997, 12, 825-834.	1.0	5
184	Collective spin-density excitations in a III-V semiconductor quantum well. Physical Review B, 1997, 56, R1684-R1687.	1.1	5
185	Spinâ€“flip transistor. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 11, 137-143.	1.3	5
186	Microwave response of a magnetic single-electron transistor. Physical Review B, 2010, 82, .	1.1	5
187	Feedback control of noise in spin valves by the spin-transfer torque. Applied Physics Letters, 2011, 98, 083110.	1.5	5
188	Scattering theory of transport through disordered magnets. Physical Review B, 2019, 100, .	1.1	5
189	Universal Scaling Theory of the Boundary Geometric Tensor in Disordered Metals. Physical Review Letters, 2019, 122, 106601.	2.9	5
190	Macroscale nonlocal transfer of superconducting signatures to a ferromagnet in a cavity. Physical Review B, 2020, 102, .	1.1	5
191	The evolution of Bernstein modes in quantum wires with increasing deviation from parabolic confinement. Journal of Physics Condensed Matter, 1996, 8, 4797-4804.	0.7	4
192	Spin-density and charge-density excitations in quantum wires. Physical Review B, 1997, 55, 13161-13172.	1.1	4
193	Single-electron tunneling in magnetic systems. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 176-178.	1.0	4
194	Hall effect in spinor condensates. Physical Review B, 2009, 80, .	1.1	4
195	Many-body theory of spin-current driven instabilities in magnetic insulators. Physical Review B, 2019, 99, .	1.1	4
196	Angle Resolved Relaxation of Spin Currents by Antiferromagnets in Spin Valves. Physical Review Letters, 2019, 123, 247201.	2.9	4
197	Spin Hall effect in antiferromagnets. Physical Review B, 2020, 101, .	1.1	4
198	Fingerprints of Universal Spin-Stiffness Jump in Two-Dimensional Ferromagnets. Physical Review Letters, 2020, 125, 237204.	2.9	4

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199	Raman scattering from a circular quantum dot. Physica Scripta, 1994, T54, 111-114.	1.2	3
200	Focused crossed Andreev reflection. Europhysics Letters, 2011, 93, 67005.	0.7	3
201	Terahertz Spin-Current Pulses from an Off-Resonant Antiferromagnet. Physical Review Applied, 2022, 17, .	1.5	3
202	Detection of Topological Spin Textures via Nonlinear Magnetic Responses. Nano Letters, 2022, 22, 14-21.	4.5	3
203	Collective intersubband spin-density excitations in a quantum wire in a magnetic field. Journal of Physics Condensed Matter, 1998, 10, 4267-4279.	0.7	2
204	Temperature dependence of tunnel conductance in ferromagnetic double barrier junctions. Surface Science, 1999, 438, 336-340.	0.8	2
205	ac Josephson effect induced by spin injection. Physical Review B, 2010, 82, .	1.1	2
206	Magnetization dissipation in the ferromagnetic semiconductor (Ga,Mn)As. Physical Review B, 2011, 84, .	1.1	2
207	Publisherâ€™s Note: Spin Pumping and Enhanced Gilbert Damping in Thin Magnetic Insulator Films [Phys. Rev. Lett.111, 097602 (2013)]. Physical Review Letters, 2013, 111, .	2.9	2
208	Spin pumping, dissipation, and direct and alternating inverse spin Hall effects in magnetic-insulator/normal-metal bilayers. Physical Review B, 2017, 95, .	1.1	2
209	Perpendicular transport through rough interfaces in the metallic regime. Solid-State Electronics, 1994, 37, 1239-1242.	0.8	1
210	Semiclassical scattering theory of parallel transport in metallic magnetic multilayers. Journal of Magnetism and Magnetic Materials, 1996, 156, 387-388.	1.0	1
211	Light scattering from a periodically modulated two-dimensional electron gaswith partially filled Landau levels. Physical Review B, 1997, 55, 15423-15426.	1.1	1
212	The effects of compressible and incompressible states on the FIR-absorption of quantum wires and dots in a magnetic field. Physica Scripta, 1997, T69, 150-154.	1.2	1
213	Spin Battery Operated by Ferromagnetic Resonance. ChemInform, 2003, 34, no.	0.1	1
214	Proposal for quantum spin tomography in ferromagnet-normal conductors. Physical Review B, 2010, 81, .	1.1	1
215	Self-quenching of nuclear spin dynamics in the central spin problem. Physical Review B, 2014, 89, .	1.1	1
216	Current fluctuations driven by ferromagnetic and antiferromagnetic resonance. Physical Review B, 2020, 102, .	1.1	1

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217	Theory of domain-wall magnetoresistance in metallic antiferromagnets. Physical Review B, 2020, 102, .	1.1	1
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