

Arne Brataas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7596601/publications.pdf>

Version: 2024-02-01

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	Terahertz Spin-Current Pulses from an Off-Resonant Antiferromagnet. <i>Physical Review Applied</i> , 2022, 17, .	1.5	3
2	Detection of Topological Spin Textures via Nonlinear Magnetic Responses. <i>Nano Letters</i> , 2022, 22, 14-21.	4.5	3
3	Magnetotransport Study of van der Waals CrPtPd/TjETQq1 1 0.784314 rg	1.1	13
4	Room-Temperature Anomalous Hall Effect. <i>Physical Review Applied</i> , 2022, 17, . Spin pumping between noncollinear ferromagnetic insulators through thin superconductors. <i>Physical Review B</i> , 2021, 103, .	1.1	13
5	Cross-sublattice spin pumping and magnon level attraction in van der Waals antiferromagnets. <i>Physical Review B</i> , 2021, 103, .	1.1	8
6	Electrically Controlled Crossed Andreev Reflection in Two-Dimensional Antiferromagnets. <i>Physical Review Letters</i> , 2021, 127, 017701.	2.9	11
7	Controlling the RKKY interaction and heat transport in a Kitaev spin liquid via Z2 flux walls. <i>Physical Review B</i> , 2021, 104, .	1.1	1
8	Magnon Spin Current Induced by Triplet Cooper Pair Supercurrents. <i>Physical Review Letters</i> , 2021, 127, 207001.	2.9	18
9	Propagation Length of Antiferromagnetic Magnons Governed by Domain Configurations. <i>Nano Letters</i> , 2020, 20, 306-313.	4.5	48
10	Spin insulatronics. <i>Physics Reports</i> , 2020, 885, 1-27.	10.3	83
11	Electrical and thermal transport in antiferromagnet-superconductor junctions. <i>Physical Review B</i> , 2020, 102, .	1.1	18
12	Observation of Magnon Polarons in a Uniaxial Antiferromagnetic Insulator. <i>Physical Review Letters</i> , 2020, 125, 217201.	2.9	35
13	Magnon-squeezing as a niche of quantum magnonics. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	34
14	Current fluctuations driven by ferromagnetic and antiferromagnetic resonance. <i>Physical Review B</i> , 2020, 102, .	1.1	1
15	Identifying the origin of the nonmonotonic thickness dependence of spin-orbit torque and interfacial Dzyaloshinskii-Moriya interaction in a ferrimagnetic insulator heterostructure. <i>Physical Review B</i> , 2020, 102, .	1.1	19
16	Theory of domain-wall magnetoresistance in metallic antiferromagnets. <i>Physical Review B</i> , 2020, 102, .	1.1	1
17	Bosonic Bott Index and Disorder-Induced Topological Transitions of Magnons. <i>Physical Review Letters</i> , 2020, 125, 217202.	2.9	26
18	Macroscale nonlocal transfer of superconducting signatures to a ferromagnet in a cavity. <i>Physical Review B</i> , 2020, 102, .	1.1	5

#	ARTICLE	IF	CITATIONS
19	Spin Hall effect in antiferromagnets. Physical Review B, 2020, 101, .	1.1	4
20	Magnon-mediated superconductivity on the surface of a topological insulator. Physical Review B, 2020, 101, .	1.1	15
21	Magnon decay theory of Gilbert damping in metallic antiferromagnets. Physical Review B, 2020, 101, .	1.1	13
22	Subterahertz spin pumping from an insulating antiferromagnet. Science, 2020, 368, 160-165.	6.0	175
23	Bose-Einstein condensation of nonequilibrium magnons in confined systems. New Journal of Physics, 2020, 22, 083080.	1.2	8
24	Spin transport in thick insulating antiferromagnetic films. Physical Review B, 2020, 101, .	1.1	17
25	Fingerprints of Universal Spin-Stiffness Jump in Two-Dimensional Ferromagnets. Physical Review Letters, 2020, 125, 237204.	2.9	4
26	Magnon-Mediated Indirect Exciton Condensation through Antiferromagnetic Insulators. Physical Review Letters, 2019, 123, 167203.	2.9	14
27	Current-Driven Dynamics of Magnetic Hopfions. Physical Review Letters, 2019, 123, 147203.	2.9	69
28	Antiferromagnetic magnons as highly squeezed Fock states underlying quantum correlations. Physical Review B, 2019, 100, .	1.1	56
29	Scattering theory of transport through disordered magnets. Physical Review B, 2019, 100, .	1.1	5
30	Ultrafast control of spin interactions in honeycomb antiferromagnetic insulators. Physical Review B, 2019, 100, .	1.1	19
31	Enhancement of superconductivity mediated by antiferromagnetic squeezed magnons. Physical Review B, 2019, 100, .	1.1	30
32	Superconductivity at metal-antiferromagnetic insulator interfaces. Physical Review B, 2019, 100, .	1.1	22
33	Current Control of Magnetism in Two-Dimensional Fe_3Si_2 . Physical Review Letters, 2019, 122, 217203.	2.9	82
34	Many-body theory of spin-current driven instabilities in magnetic insulators. Physical Review B, 2019, 99, .	1.1	4
35	Antiferromagnetic single-layer spin-orbit torque oscillators. Physical Review B, 2019, 99, .	1.1	17
36	Chiral Phonon Transport Induced by Topological Magnons. Physical Review Letters, 2019, 122, 107201.	2.9	47

#	ARTICLE	IF	CITATIONS
37	Universal Scaling Theory of the Boundary Geometric Tensor in Disordered Metals. Physical Review Letters, 2019, 122, 106601.	2.9	5
38	Anisotropic and Controllable Gilbert-Bloch Dissipation in Spin Valves. Physical Review Letters, 2019, 122, 147201.	2.9	6
39	Ultrafast generation and dynamics of isolated skyrmions in antiferromagnetic insulators. Physical Review B, 2019, 99, .	1.1	47
40	Magnon-polarons in cubic collinear antiferromagnets. Physical Review B, 2019, 99, .	1.1	20
41	Angle Resolved Relaxation of Spin Currents by Antiferromagnets in Spin Valves. Physical Review Letters, 2019, 123, 247201.	2.9	4
42	Spin-transfer antiferromagnetic resonance. Physical Review B, 2018, 97, .	1.1	12
43	Antiferromagnetic spin textures and dynamics. Nature Physics, 2018, 14, 213-216.	6.5	219
44	Superconductivity induced by interfacial coupling to magnons. Physical Review B, 2018, 97, .	1.1	23
45	Bulk and edge spin transport in topological magnon insulators. Physical Review B, 2018, 97, .	1.1	52
46	Spin transfer and spin pumping in disordered normal metal-antiferromagnetic insulator systems. Physical Review B, 2018, 97, .	1.1	8
47	Controlling chiral domain walls in antiferromagnets using spin-wave helicity. Physical Review B, 2018, 97, .	1.1	61
48	Quantum magnetization fluctuations via spin shot noise. Physical Review B, 2018, 98, .	1.1	8
49	Gilbert damping phenomenology for two-sublattice magnets. Physical Review B, 2018, 98, .	1.1	53
50	Tunable long-distance spin transport in a crystalline antiferromagnetic iron oxide. Nature, 2018, 561, 222-225.	13.7	364
51	Theory of the Interfacial Dzyaloshinskii-Moriya Interaction in Rashba Antiferromagnets. Physical Review Letters, 2018, 120, 197202.	2.9	32
52	Nonlocal Coupling between Antiferromagnets and Ferromagnets in Cavities. Physical Review Letters, 2018, 121, 087204.	2.9	34
53	Spin Hall effect and spin swapping in diffusive superconductors. Physical Review B, 2017, 95, .	1.1	18
54	Spin Superfluidity in Biaxial Antiferromagnetic Insulators. Physical Review Letters, 2017, 118, 137201.	2.9	63

#	ARTICLE	IF	CITATIONS
55	Optical conversion of pure spin currents in hybrid molecular devices. Nature Communications, 2017, 8, 926.	5.8	12
56	Enhanced Spin Conductance of a Thin-Film Insulating Antiferromagnet. Physical Review Letters, 2017, 119, 056804.	2.9	40
57	Equations of motion and frequency dependence of magnon-induced domain wall motion. Physical Review B, 2017, 96, .	1.1	10
58	Electrically driven Bose-Einstein condensation of magnons in antiferromagnets. Physical Review B, 2017, 95, .	1.1	20
59	Spin pumping and inverse spin Hall voltages from dynamical antiferromagnets. Physical Review B, 2017, 95, .	1.1	42
60	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
61	Backscattering in helical edge states from a magnetic impurity and Rashba disorder. Physical Review B, 2016, 93, .	1.1	33
62	Terahertz Antiferromagnetic Spin Hall Nano-Oscillator. Physical Review Letters, 2016, 116, 207603.	2.9	216
63	Intrinsic magnetization of antiferromagnetic textures. Physical Review B, 2016, 93, .	1.1	86
64	Phenomenology of current-induced skyrmion motion in antiferromagnets. New Journal of Physics, 2016, 18, 075016.	1.2	74
65	Anderson localization and quantum Hall effect: Numerical observation of two-parameter scaling. Physical Review B, 2015, 91, .	1.1	12
66	Electron-magnon scattering in magnetic heterostructures far out of equilibrium. Physical Review B, 2015, 92, .	1.1	49
67	Heat transport between antiferromagnetic insulators and normal metals. Physical Review B, 2015, 92, .	1.1	16
68	Spin Superfluidity and Long-Range Transport in Thin-Film Ferromagnets. Physical Review Letters, 2015, 115, 237201.	2.9	44
69	Spin-orbit torques for current parallel and perpendicular to a domain wall. Applied Physics Letters, 2015, 107, .	1.5	12
70	Spin-motive forces and current-induced torques in ferromagnets. Physical Review B, 2015, 91, .	1.1	34
71	Magnonic charge pumping via spin-orbit coupling. Nature Nanotechnology, 2015, 10, 50-54.	15.6	64
72	Gilbert Damping in Noncollinear Ferromagnets. Physical Review Letters, 2014, 113, 266603.	2.9	35

#	ARTICLE	IF	CITATIONS
73	Self-quenching of nuclear spin dynamics in the central spin problem. <i>Physical Review B</i> , 2014, 89, .	1.1	1
74	Spin-orbit torques in action. <i>Nature Nanotechnology</i> , 2014, 9, 86-88.	15.6	154
75	Spin-orbit torques and anisotropic magnetization damping in skyrmion crystals. <i>Physical Review B</i> , 2014, 89, .	1.1	29
76	Dynamic phase diagram of dc-pumped magnon condensates. <i>Physical Review B</i> , 2014, 90, .	1.1	51
77	Spin Pumping and Spin-Transfer Torques in Antiferromagnets. <i>Physical Review Letters</i> , 2014, 113, 057601.	2.9	305
78	Current-induced magnetization dynamics in two magnetic insulators separated by a normal metal. <i>Physical Review B</i> , 2014, 90, .	1.1	6
79	Spin waves in ferromagnetic insulators coupled via a normal metal. <i>Physical Review B</i> , 2014, 90, .	1.1	15
80	Antiferromagnetic Domain Wall Motion Induced by Spin Waves. <i>Physical Review Letters</i> , 2014, 112, 147204.	2.9	137
81	Chiral domain walls move faster. <i>Nature Nanotechnology</i> , 2013, 8, 485-486.	15.6	37
82	Spin Pumping and Enhanced Gilbert Damping in Thin Magnetic Insulator Films. <i>Physical Review Letters</i> , 2013, 111, 097602.	2.9	54
83	Manipulation of ferromagnets via the spin-selective optical Stark effect. <i>Physical Review B</i> , 2013, 88, .	1.1	24
84	Publisher's Note: Spin Pumping and Enhanced Gilbert Damping in Thin Magnetic Insulator Films [<i>Phys. Rev. Lett.</i> 111, 097602 (2013)]. <i>Physical Review Letters</i> , 2013, 111, .	2.9	2
85	Phenomenology of current-induced spin-orbit torques. <i>Physical Review B</i> , 2013, 88, .	1.1	56
86	Staggered Dynamics in Antiferromagnets by Collective Coordinates. <i>Physical Review Letters</i> , 2013, 110, 127208.	2.9	164
87	Magneto-Josephson effects in junctions with Majorana bound states. <i>Physical Review B</i> , 2013, 87, .	1.1	43
88	Spin-transfer torques in helimagnets. <i>Physical Review B</i> , 2013, 87, .	1.1	20
89	Nonlinear magneto-optical and magnetoelectric phenomena in topological insulator heterostructures. <i>Physical Review B</i> , 2013, 88, .	1.1	11
90	Intrinsic spin swapping. <i>Physical Review B</i> , 2012, 85, .	1.1	12

#	ARTICLE	IF	CITATIONS
91	Spin-Transfer and Exchange Torques in Ferromagnetic Superconductors. <i>Physical Review Letters</i> , 2012, 109, 237206.	2.9	20
92	Dynamical Self-Quenching of Spin Pumping into Double Quantum Dots. <i>Physical Review Letters</i> , 2012, 109, 236803.	2.9	6
93	Spin-Orbit-Coupling-Induced Domain-Wall Resistance in Diffusive Ferromagnets. <i>Physical Review Letters</i> , 2012, 109, 267201.	2.9	19
94	Triplet supercurrent in ferromagnetic Josephson junctions by spin injection. <i>Physical Review B</i> , 2012, 86, .	1.1	11
95	Current-induced torques in magnetic materials. <i>Nature Materials</i> , 2012, 11, 372-381.	13.3	969
96	Phenomenology of Current-Induced Dynamics in Antiferromagnets. <i>Physical Review Letters</i> , 2011, 106, 107206.	2.9	184
97	Feedback control of noise in spin valves by the spin-transfer torque. <i>Applied Physics Letters</i> , 2011, 98, 083110.	1.5	5
98	Transport properties of nonequilibrium systems under the application of light: Photoinduced quantum Hall insulators without Landau levels. <i>Physical Review B</i> , 2011, 84, .	1.1	820
99	Focused crossed Andreev reflection. <i>Europhysics Letters</i> , 2011, 93, 67005.	0.7	3
100	Ferromagnetic resonance and voltage-induced transport in normal metal-ferromagnet-superconductor trilayers. <i>Physical Review B</i> , 2011, 84, .	1.1	13
101	Magnetization dissipation in the ferromagnetic semiconductor (Ga,Mn)As. <i>Physical Review B</i> , 2011, 84, .	1.1	2
102	Magnetization dissipation in ferromagnets from scattering theory. <i>Physical Review B</i> , 2011, 84, .	1.1	48
103	Nuclear dynamics during Landau-Zener singlet-triplet transitions in double quantum dots. <i>Physical Review B</i> , 2011, 84, .	1.1	22
104	Laboratory Disease: Robert Koch's Medical Bacteriology. <i>Journal of the History of Medicine and Allied Sciences</i> , 2011, 66, 583-585.	0.1	0
105	Thermopower and thermally induced domain wall motion in (Ga, Mn)As. <i>Solid State Communications</i> , 2010, 150, 461-465.	0.9	20
106	Inverse spin Hall effect in superconductor/normal-metal/superconductor Josephson junctions. <i>Physical Review B</i> , 2010, 81, .	1.1	48
107	Microwave response of a magnetic single-electron transistor. <i>Physical Review B</i> , 2010, 82, .	1.1	5
108	Effective Magnetic Monopoles and Universal Conductance Fluctuations. <i>Physical Review Letters</i> , 2010, 105, 207204.	2.9	7

#	ARTICLE	IF	CITATIONS
109	Nanoscale magnetic heat pumps and engines. <i>Physical Review B</i> , 2010, 81, .	1.1	64
110	Proposal for quantum spin tomography in ferromagnet-normal conductors. <i>Physical Review B</i> , 2010, 81, .	1.1	1
111	Crossed Andreev reflection versus electron transfer in three-terminal graphene devices. <i>Physical Review B</i> , 2010, 81, .	1.1	13
112	ac Josephson effect induced by spin injection. <i>Physical Review B</i> , 2010, 82, .	1.1	2
113	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
114	Scattering theory of charge-current-induced magnetization dynamics. <i>Europhysics Letters</i> , 2010, 90, 47002.	0.7	59
115	Noise and dissipation in magnetoelectronic nanostructures. <i>Physical Review B</i> , 2009, 79, .	1.1	29
116	Intrinsic Coupling between Current and Domain Wall Motion in (Ga,Mn)As. <i>Physical Review Letters</i> , 2009, 102, 256601.	2.9	38
117	Charge pumping and the colored thermal voltage noise in spin valves. <i>Physical Review B</i> , 2009, 79, .	1.1	16
118	Hall effect in spinor condensates. <i>Physical Review B</i> , 2009, 80, .	1.1	4
119	Barnett effect in thin magnetic films and nanostructures. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	18
120	Spin-Orbit-Mediated Spin Relaxation in Graphene. <i>Physical Review Letters</i> , 2009, 103, 146801.	2.9	249
121	Theory of current-driven magnetization dynamics in inhomogeneous ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1282-1292.	1.0	128
122	Spin-transfer torque in magnetic tunnel junctions: Scattering theory. <i>Physical Review B</i> , 2008, 77, .	1.1	89
123	Scattering Theory of Gilbert Damping. <i>Physical Review Letters</i> , 2008, 101, 037207.	2.9	151
124	Spin surprise in carbon. <i>Nature</i> , 2008, 452, 419-420.	18.7	25
125	Spin transport in proximity-induced ferromagnetic graphene. <i>Physical Review B</i> , 2008, 77, .	1.1	449
126	Proximity-effect-assisted decay of spin currents in superconductors. <i>Europhysics Letters</i> , 2008, 84, 57008.	0.7	29

#	ARTICLE	IF	CITATIONS
127	Elementary charge transfer processes in a superconductor-ferromagnet entangler. Europhysics Letters, 2008, 81, 40002.	0.7	16
128	Spin Injection and Relaxation in a Mesoscopic Superconductor. Physical Review Letters, 2008, 100, 136601.	2.9	70
129	Full counting statistics of crossed Andreev reflection. Physical Review B, 2008, 78, .	1.1	31
130	External Control of a Metal-Insulator Transition in GaMnAs Wires. Physical Review Letters, 2008, 101, 016801.	2.9	6
131	Charge pumping in magnetic tunnel junctions: Scattering theory. Physical Review B, 2008, 77, .	1.1	20
132	Current-induced noise and damping in nonuniform ferromagnets. Physical Review B, 2008, 78, .	1.1	41
133	Spin injection in quantum wells with spatially dependent rashba interaction. New Journal of Physics, 2007, 9, 345-345.	1.2	12
134	Magnetization damping in a local-density approximation. Physical Review B, 2007, 75, .	1.1	34
135	Spin transport in mesoscopic rings with inhomogeneous spin-orbit coupling. Physical Review B, 2007, 76, .	1.1	20
136	Giant Current-Driven Domain Wall Mobility in (Ga,Mn)As. Physical Review Letters, 2007, 98, 146602.	2.9	45
137	Resistance noise in spin valves. Physical Review B, 2007, 75, .	1.1	15
138	Current-driven ferromagnetic resonance, mechanical torques, and rotary motion in magnetic nanostructures. Physical Review B, 2007, 75, .	1.1	74
139	Chapter Two Magnetic Nanostructures: Currents and Dynamics. Handbook of Magnetic Materials, 2007, , 123-148.	0.6	0
140	Boundary spin Hall effect in a two-dimensional semiconductor system with Rashba spin-orbit coupling. Physical Review B, 2007, 76, .	1.1	32
141	Circuit theory for crossed Andreev reflection and nonlocal conductance. Applied Physics A: Materials Science and Processing, 2007, 89, 609-612.	1.1	7
142	Spin-orbit coupling in curved graphene, fullerenes, nanotubes, and nanotube caps. Physical Review B, 2006, 74, .	1.1	891
143	Magnetomechanical Torques in Small Magnetic Cantilevers. Japanese Journal of Applied Physics, 2006, 45, 3878-3888.	0.8	9
144	Non-collinear magnetoelectronics. Physics Reports, 2006, 427, 157-255.	10.3	404

#	ARTICLE	IF	CITATIONS
145	Current-induced macrospin versus spin-wave excitations in spin valves. <i>Physical Review B</i> , 2006, 73, .	1.1	23
146	Perpendicular spin valves with ultrathin ferromagnetic layers: Magnetoelectronic circuit investigation of finite-size effects. <i>Physical Review B</i> , 2006, 73, .	1.1	28
147	Circuit theory of crossed Andreev reflection. <i>Physical Review B</i> , 2006, 74, .	1.1	65
148	Intrinsic Domain-Wall Resistance in Ferromagnetic Semiconductors. <i>Physical Review Letters</i> , 2006, 97, 136603.	2.9	28
149	Voltage Generation by Ferromagnetic Resonance at a Nonmagnet to Ferromagnet Contact. <i>Physical Review Letters</i> , 2006, 97, 216602.	2.9	62
150	Current-induced magnetization dynamics in disordered itinerant ferromagnets. <i>Physical Review B</i> , 2006, 74, .	1.1	133
151	Spontaneous-symmetry-breaking mechanism of adiabatic pumping. <i>Physical Review B</i> , 2005, 71, .	1.1	12
152	Spin Hall effect, Hall effect, and spin precession in diffusive normal metals. <i>Physical Review B</i> , 2005, 72, .	1.1	15
153	Spin transport and magnetoresistance in ferromagnet/superconductor/ferromagnet spin valves. <i>Physical Review B</i> , 2005, 72, .	1.1	34
154	Spin accumulation and decay in magnetic Schottky barriers. <i>Physical Review B</i> , 2005, 72, .	1.1	17
155	Scattering of spin current injected in Pd(001). <i>Journal of Applied Physics</i> , 2005, 97, 10A714.	1.1	97
156	Magnetization Noise in Magnetoelectronic Nanostructures. <i>Physical Review Letters</i> , 2005, 95, 016601.	2.9	89
157	Nanomechanical Magnetization Reversal. <i>Physical Review Letters</i> , 2005, 94, 167201.	2.9	48
158	Spin Hall effects in diffusive normal metals. <i>Physical Review B</i> , 2005, 71, .	1.1	53
159	First-principles study of magnetization relaxation enhancement and spin transfer in thin magnetic films. <i>Physical Review B</i> , 2005, 71, .	1.1	197
160	Nonlocal magnetization dynamics in ferromagnetic heterostructures. <i>Reviews of Modern Physics</i> , 2005, 77, 1375-1421.	16.4	1,176
161	Reducing the critical switching current in nanoscale spin valves. <i>Applied Physics Letters</i> , 2004, 85, 3250-3252.	1.5	34
162	Dynamic Ferromagnetic Proximity Effect in Photoexcited Semiconductors. <i>Physical Review Letters</i> , 2004, 92, 126601.	2.9	26

#	ARTICLE	IF	CITATIONS
163	Nonmonotonic angular magnetoresistance in asymmetric spin valves. <i>Physical Review B</i> , 2004, 69, .	1.1	33
164	Magnetization reversal induced by spin accumulation in ferromagnetic transition-metal dots. <i>Physical Review B</i> , 2004, 70, .	1.1	12
165	Giant Fluctuations of Superconducting Order Parameter in Ferromagnet-Superconductor Single-Electron Transistors. <i>Physical Review Letters</i> , 2004, 93, 216805.	2.9	13
166	Spin transport in diffusive superconductors. <i>Physical Review B</i> , 2004, 70, .	1.1	44
167	Spin detection in quantum dots by electric currents. <i>Physical Review B</i> , 2004, 69, .	1.1	8
168	Magnetovibrational magnetization dynamics. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E1593-E1594.	1.0	0
169	Spin-pumping in ferromagnet-normal metal systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1981-1982.	1.0	8
170	Spin and Charge Pumping by Ferromagnetic-Superconductor Order Parameters. <i>Physical Review Letters</i> , 2004, 93, 087201.	2.9	35
171	Spin Battery Operated by Ferromagnetic Resonance. <i>ChemInform</i> , 2003, 34, no.	0.1	1
172	Kondo effect and spin filtering in triangular artificial atoms. <i>Solid State Communications</i> , 2003, 126, 463-466.	0.9	43
173	Dynamic stiffness of spin valves. <i>Physical Review B</i> , 2003, 67, .	1.1	87
174	Magnetovibrational coupling in small cantilevers. <i>Applied Physics Letters</i> , 2003, 83, 1584-1586.	1.5	24
175	Universal angular magnetoresistance and spin torque in ferromagnetic/normal metal hybrids. <i>Physical Review B</i> , 2003, 67, .	1.1	84
176	Spin-torque transistor. <i>Applied Physics Letters</i> , 2003, 82, 3928-3930.	1.5	47
177	Dynamic Exchange Coupling in Magnetic Bilayers. <i>Physical Review Letters</i> , 2003, 90, 187601.	2.9	354
178	Magneto-electronic Spin Echo. <i>Physical Review Letters</i> , 2003, 91, 166601.	2.9	16
179	Publisher's Note: Magneto-electronic Spin Echo [Phys. Rev. Lett.PRLTAO0031-900791, 166601 (2003)]. <i>Physical Review Letters</i> , 2003, 91, .	2.9	0
180	Dynamic exchange coupling and Gilbert damping in magnetic multilayers (invited). <i>Journal of Applied Physics</i> , 2003, 93, 7534-7538.	1.1	23

#	ARTICLE	IF	CITATIONS
181	Current and spin torque in double tunnel barrier ferromagnet-superconductor-ferromagnet systems. <i>Physical Review B</i> , 2002, 65, .	1.1	32
182	Spin battery operated by ferromagnetic resonance. <i>Physical Review B</i> , 2002, 66, .	1.1	384
183	Spin transfer in diffusive ferromagnet-normal metal systems with spin-flip scattering. <i>Physical Review B</i> , 2002, 66, .	1.1	99
184	Enhanced Gilbert Damping in Thin Ferromagnetic Films. <i>Physical Review Letters</i> , 2002, 88, 117601.	2.9	1,595
185	Spin pumping and magnetization dynamics in metallic multilayers. <i>Physical Review B</i> , 2002, 66, .	1.1	709
186	Spin torques in ferromagnetic/normal-metal structures. <i>Physical Review B</i> , 2002, 65, .	1.1	224
187	Spin-transport in multi-terminal normal metal-ferromagnet systems with non-collinear magnetizations. <i>European Physical Journal B</i> , 2001, 22, 99-110.	0.6	238
188	Semiclassical concepts in magnetoelectronics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001, 84, 31-36.	1.7	11
189	Spin-flip transistor. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 11, 137-143.	1.3	5
190	Distributed spin transport in non-collinear perpendicular spin valves. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 747-749.	1.0	0
191	Spin Accumulation in a Quantum Cluster Resolved in Tunnel Junctions. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 2329-2335.	0.8	11
192	Shot noise in ferromagnet-normal metal systems. <i>Physical Review B</i> , 2001, 64, .	1.1	45
193	Linear-response conductance and magnetoresistance of ferromagnetic single-electron transistors. <i>Physical Review B</i> , 2001, 64, .	1.1	17
194	Conductance modulation by spin precession in noncollinear ferromagnet normal-metal ferromagnet systems. <i>Physical Review B</i> , 2000, 62, 5700-5712.	1.1	84
195	Spin accumulation and Andreev reflection in a mesoscopic ferromagnetic wire. <i>Physical Review B</i> , 2000, 62, 9726-9739.	1.1	53
196	Finite-Element Theory of Transport in Ferromagnet-Normal Metal Systems. <i>Physical Review Letters</i> , 2000, 84, 2481-2484.	2.9	453
197	Negative Domain Wall Resistance in Ferromagnets. <i>Physical Review Letters</i> , 1999, 83, 4401-4404.	2.9	101
198	Large Magnetoresistance Ratio in Ferromagnetic Single-Electron Transistors in the Strong Tunneling Regime. <i>Physical Review Letters</i> , 1999, 83, 5138-5141.	2.9	42

#	ARTICLE	IF	CITATIONS
199	Spin accumulation in small ferromagnetic double-barrier junctions. <i>Physical Review B</i> , 1999, 59, 93-96.	1.1	124
200	Ballistic electron transport through magnetic domain walls. <i>Physical Review B</i> , 1999, 59, 138-141.	1.1	95
201	Ballistic and diffuse transport through a ferromagnetic domain wall. <i>Physical Review B</i> , 1999, 60, 3406-3413.	1.1	72
202	Non-equilibrium spin accumulation in ferromagnetic single-electron transistors. <i>European Physical Journal B</i> , 1999, 9, 421-430.	0.6	44
203	Single-electron tunneling in magnetic systems. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 198-199, 176-178.	1.0	4
204	Temperature dependence of tunnel conductance in ferromagnetic double barrier junctions. <i>Surface Science</i> , 1999, 438, 336-340.	0.8	2
205	Collective intersubband spin-density excitations in a quantum wire in a magnetic field. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 4267-4279.	0.7	2
206	Domain wall resistivity in diffuse ferromagnets. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1998, 78, 545-548.	0.6	11
207	Transport through a quantum dot pillar. <i>Semiconductor Science and Technology</i> , 1997, 12, 825-834.	1.0	5
208	Absorption of electromagnetic waves in two-dimensional systems under a magnetic field and a periodic potential. <i>Journal of Physics Condensed Matter</i> , 1997, 9, L641-L646.	0.7	0
209	Spin-density and charge-density excitations in quantum wires. <i>Physical Review B</i> , 1997, 55, 13161-13172.	1.1	4
210	Collective spin-density excitations in a III-V semiconductor quantum well. <i>Physical Review B</i> , 1997, 56, R1684-R1687.	1.1	5
211	Light scattering from a periodically modulated two-dimensional electron gas with partially filled Landau levels. <i>Physical Review B</i> , 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. <i>Physica Scripta</i> , 1997, T69, 150-154.	1.2	1
213	Semiclassical scattering theory of parallel transport in metallic magnetic multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 156, 387-388.	1.0	1
214	Theory of charge-density and spin-density excitations for two electrons in a circular quantum dot. <i>Physical Review B</i> , 1996, 54, 10736-10741.	1.1	9
215	The evolution of Bernstein modes in quantum wires with increasing deviation from parabolic confinement. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 4797-4804.	0.7	4
216	Collective excitations in realistic quantum wires. <i>Journal of Physics Condensed Matter</i> , 1996, 8, L325-L330.	0.7	9

#	ARTICLE	IF	CITATIONS
217	Quantum effects in the Raman spectrum of a quantum dot. <i>Physical Review B</i> , 1995, 51, 7669-7678.	1.1	10
218	Bernstein modes in quantum wires and dots. <i>Physical Review B</i> , 1995, 51, 17744-17754.	1.1	78
219	Specular <i>vs.</i> Diffuse Interface Scattering in Perpendicular Transport. <i>Europhysics Letters</i> , 1994, 26, 117-122.	0.7	16
220	Scattering theory of perpendicular transport in metallic multilayers (invited). <i>Journal of Applied Physics</i> , 1994, 75, 6704-6708.	1.1	15
221	Semiclassical theory of perpendicular transport and giant magnetoresistance in disordered metallic multilayers. <i>Physical Review B</i> , 1994, 49, 14684-14699.	1.1	28
222	Perpendicular transport through rough interfaces in the metallic regime. <i>Solid-State Electronics</i> , 1994, 37, 1239-1242.	0.8	1
223	Raman scattering from a circular quantum dot. <i>Physica Scripta</i> , 1994, T54, 111-114.	1.2	3
224	Insulating Magnets Control Neighbors' Conduction. <i>Physics Magazine</i> , 0, 6, .	0.1	6