

Yaroslav Tserkovnyak

List of Publications by Year in descending order

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193
papers

17,147
citations

26567

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14156

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194
docs citations

194
times ranked

10039
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Gilbert Damping in Thin Ferromagnetic Films. <i>Physical Review Letters</i> , 2002, 88, 117601.	2.9	1,595
2	Antiferromagnetic spintronics. <i>Reviews of Modern Physics</i> , 2018, 90, .	16.4	1,536
3	Blowing magnetic skyrmion bubbles. <i>Science</i> , 2015, 349, 283-286.	6.0	1,177
4	Nonlocal magnetization dynamics in ferromagnetic heterostructures. <i>Reviews of Modern Physics</i> , 2005, 77, 1375-1421.	16.4	1,176
5	Magnetization switching through giant spin-orbit torque in a magnetically doped topological insulator heterostructure. <i>Nature Materials</i> , 2014, 13, 699-704.	13.3	773
6	Switching of perpendicular magnetization by spin-orbit torques in the absence of external magnetic fields. <i>Nature Nanotechnology</i> , 2014, 9, 548-554.	15.6	753
7	Interface-induced phenomena in magnetism. <i>Reviews of Modern Physics</i> , 2017, 89, .	16.4	672
8	Spin battery operated by ferromagnetic resonance. <i>Physical Review B</i> , 2002, 66, .	1.1	384
9	Dynamic Exchange Coupling in Magnetic Bilayers. <i>Physical Review Letters</i> , 2003, 90, 187601.	2.9	354
10	Spin-Charge Separation and Localization in One Dimension. <i>Science</i> , 2005, 308, 88-92.	6.0	343
11	Fast domain wall motion in the vicinity of the angular momentum compensation temperature of $\text{A}^{\text{ferrimagnets}}$. <i>Nature Materials</i> , 2017, 16, 1187-1192.	13.3	321
12	Room-Temperature Creation and Spin-orbit Torque Manipulation of Skyrmions in Thin Films with Engineered Asymmetry. <i>Nano Letters</i> , 2016, 16, 1981-1988.	4.5	275
13	Antidamping-Torque-Induced Switching in Biaxial Antiferromagnetic Insulators. <i>Physical Review Letters</i> , 2018, 120, 207204.	2.9	246
14	Antiferromagnetic spin textures and dynamics. <i>Nature Physics</i> , 2018, 14, 213-216.	6.5	219
15	Electric-field control of spin-orbit torque in a magnetically doped topological insulator. <i>Nature Nanotechnology</i> , 2016, 11, 352-359.	15.6	212
16	First-principles study of magnetization relaxation enhancement and spin transfer in thin magnetic films. <i>Physical Review B</i> , 2005, 71, .	1.1	197
17	Control and local measurement of the spin chemical potential in a magnetic insulator. <i>Science</i> , 2017, 357, 195-198.	6.0	192
18	Phenomenology of Current-Induced Dynamics in Antiferromagnets. <i>Physical Review Letters</i> , 2011, 106, 107206.	2.9	184

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19	Realization of the Haldane-Kane-Mele Model in a System of Localized Spins. <i>Physical Review Letters</i> , 2016, 117, 227201.	2.9	162
20	Superfluid spin transport through antiferromagnetic insulators. <i>Physical Review B</i> , 2014, 90, .	1.1	155
21	Spin-current probe for phase transition in an insulator. <i>Nature Communications</i> , 2016, 7, 12670.	5.8	148
22	Superfluid Spin Transport Through Easy-Plane Ferromagnetic Insulators. <i>Physical Review Letters</i> , 2014, 112, 227201.	2.9	138
23	Vanishing skyrmion Hall effect at the angular momentum compensation temperature of a ferrimagnet. <i>Nature Nanotechnology</i> , 2019, 14, 232-236.	15.6	137
24	Current-induced magnetization dynamics in disordered itinerant ferromagnets. <i>Physical Review B</i> , 2006, 74, .	1.1	133
25	Electron transport driven by nonequilibrium magnetic textures. <i>Physical Review B</i> , 2008, 77, .	1.1	133
26	Theory of current-driven magnetization dynamics in inhomogeneous ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1282-1292.	1.0	128
27	Direct Imaging of Thermally Driven Domain Wall Motion in Magnetic Insulators. <i>Physical Review Letters</i> , 2013, 110, 177202.	2.9	124
28	Topological Hall effect at above room temperature in heterostructures composed of a magnetic insulator and a heavy metal. <i>Nature Electronics</i> , 2019, 2, 182-186.	13.1	117
29	Anti-damping spin transfer torque through epitaxial nickel oxide. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	116
30	Propulsion of a domain wall in an antiferromagnet by magnons. <i>Physical Review B</i> , 2014, 90, .	1.1	115
31	Thin-Film Magnetization Dynamics on the Surface of a Topological Insulator. <i>Physical Review Letters</i> , 2012, 108, 187201.	2.9	112
32	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
33	Electronic Pumping of Quasiequilibrium Bose-Einstein-Condensed Magnons. <i>Physical Review Letters</i> , 2012, 108, 246601.	2.9	111
34	Magnon-drag thermopower and Nernst coefficient in Fe, Co, and Ni. <i>Physical Review B</i> , 2016, 94, .	1.1	107
35	Spin caloritronic nano-oscillator. <i>Nature Communications</i> , 2017, 8, 117.	5.8	96
36	Thermomagnonic spin transfer and Peltier effects in insulating magnets. <i>Europhysics Letters</i> , 2012, 97, 67002.	0.7	94

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37	Dynamic stiffness of spin valves. <i>Physical Review B</i> , 2003, 67, .	1.1	87
38	Can one hear the shape of a saturation patch?. <i>Geophysical Research Letters</i> , 2002, 29, 12-1.	1.5	86
39	Magnetic texture-induced thermal Hall effects. <i>Physical Review B</i> , 2013, 87, .	1.1	86
40	Universal angular magnetoresistance and spin torque in ferromagnetic/normal metal hybrids. <i>Physical Review B</i> , 2003, 67, .	1.1	84
41	Role of dimensional crossover on spin-orbit torque efficiency in magnetic insulator thin films. <i>Nature Communications</i> , 2018, 9, 3612.	5.8	84
42	Deep subnanosecond spin torque switching in magnetic tunnel junctions with combined in-plane and perpendicular polarizers. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	82
43	Self-focusing skyrmion racetracks in ferrimagnets. <i>Physical Review B</i> , 2017, 95, .	1.1	79
44	Mean-field magnetization relaxation in conducting ferromagnets. <i>Applied Physics Letters</i> , 2004, 84, 5234-5236.	1.5	71
45	Localization transition in a ballistic quantum wire. <i>Physical Review B</i> , 2006, 73, .	1.1	70
46	Two-Fluid Theory for Spin Superfluidity in Magnetic Insulators. <i>Physical Review Letters</i> , 2016, 116, 117201.	2.9	69
47	Creating zero-field skyrmions in exchange-biased multilayers through X-ray illumination. <i>Nature Communications</i> , 2020, 11, 949.	5.8	67
48	Nanoscale magnetic heat pumps and engines. <i>Physical Review B</i> , 2010, 81, .	1.1	64
49	Interfacial spin and heat transfer between metals and magnetic insulators. <i>Physical Review B</i> , 2015, 91, .	1.1	64
50	Magnonic charge pumping via spin-orbit coupling. <i>Nature Nanotechnology</i> , 2015, 10, 50-54.	15.6	64
51	Resonantly Tunable Majorana Polariton in a Microwave Cavity. <i>Physical Review Letters</i> , 2012, 109, 257002.	2.9	63
52	Quantum spin Hall effect in strip of stripes model. <i>Physical Review B</i> , 2014, 90, .	1.1	63
53	Voltage Generation by Ferromagnetic Resonance at a Nonmagnet to Ferromagnet Contact. <i>Physical Review Letters</i> , 2006, 97, 216602.	2.9	62
54	Monte Carlo Evaluation of Non-Abelian Statistics. <i>Physical Review Letters</i> , 2003, 90, 016802.	2.9	60

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55	Low Magnetic Damping of Ferrimagnetic GdFeCo Alloys. <i>Physical Review Letters</i> , 2019, 122, 127203.	2.9	60
56	Scattering theory of charge-current-induced magnetization dynamics. <i>Europhysics Letters</i> , 2010, 90, 47002.	0.7	59
57	Tunable Magnonic Thermal Hall Effect in Skyrmion Crystal Phases of Ferrimagnets. <i>Physical Review Letters</i> , 2019, 122, 057204.	2.9	56
58	Transport theory for disordered multiple-band systems: Anomalous Hall effect and anisotropic magnetoresistance. <i>Physical Review B</i> , 2009, 79, .	1.1	55
59	Spin-transfer torques for domain wall motion in antiferromagnetically coupled ferrimagnets. <i>Nature Electronics</i> , 2019, 2, 389-393.	13.1	55
60	Finite-Size Effects in Tunneling between Parallel Quantum Wires. <i>Physical Review Letters</i> , 2002, 89, 136805.	2.9	54
61	Transverse spin diffusion in ferromagnets. <i>Physical Review B</i> , 2009, 79, .	1.1	54
62	Evidence for the role of the magnon energy relaxation length in the spin Seebeck effect. <i>Physical Review B</i> , 2018, 97, .	1.1	54
63	Shot Noise in Magnetic Tunnel Junctions: Evidence for Sequential Tunneling. <i>Physical Review Letters</i> , 2006, 97, 266602.	2.9	51
64	Dynamic phase diagram of dc-pumped magnon condensates. <i>Physical Review B</i> , 2014, 90, .	1.1	51
65	Spin Hall phenomenology of magnetic dynamics. <i>Physical Review B</i> , 2014, 90, .	1.1	50
66	Coherent terahertz spin-wave emission associated with ferrimagnetic domain wall dynamics. <i>Physical Review B</i> , 2017, 96, .	1.1	50
67	Antiferromagnet-mediated spin transfer between a metal and a ferromagnet. <i>Physical Review B</i> , 2015, 92, .	1.1	49
68	Spin-torque transistor. <i>Applied Physics Letters</i> , 2003, 82, 3928-3930.	1.5	47
69	Inhomogeneous Gilbert damping from impurities and electron-electron interactions. <i>Physical Review B</i> , 2008, 78, .	1.1	46
70	Capillary forces in the acoustics of patchy-saturated porous media. <i>Journal of the Acoustical Society of America</i> , 2003, 114, 2596.	0.5	45
71	Cooper-Pair Injection into Quantum Spin Hall Insulators. <i>Physical Review Letters</i> , 2010, 105, 226401.	2.9	45
72	Quantum-Impurity Relaxometry of Magnetization Dynamics. <i>Physical Review Letters</i> , 2018, 121, 187204.	2.9	45

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73	Theory of momentum resolved tunneling into a short quantum wire. Physical Review B, 2005, 72, .	1.1	43
74	Integer and fractional quantum anomalous Hall effect in a strip of stripes model. Physical Review B, 2015, 91, .	1.1	42
75	Current-induced noise and damping in nonuniform ferromagnets. Physical Review B, 2008, 78, .	1.1	41
76	Thermoelectric spin transfer in textured magnets. Physical Review B, 2009, 80, .	1.1	41
77	Macrospin Tunneling and Magnetopolaritons with Nanomechanical Interference. Physical Review Letters, 2011, 106, 147203.	2.9	41
78	Thermophoresis of an antiferromagnetic soliton. Physical Review B, 2015, 92, .	1.1	40
79	Spin and orbital magnetic response on the surface of a topological insulator. Physical Review B, 2015, 91, .	1.1	38
80	Mobile Néel skyrmions at room temperature: status and future. AIP Advances, 2016, 6, .	0.6	38
81	Spin Superfluidity in the $\nu = \frac{1}{2}$ Quantum Hall State of Graphene. Physical Review Letters, 2016, 116, 216801.	2.9	38
82	Theory of spin magnetohydrodynamics. Physical Review B, 2009, 79, .	1.1	36
83	Hydrodynamic theory of coupled current and magnetization dynamics in spin-textured ferromagnets. Physical Review B, 2009, 80, .	1.1	35
84	Spin-transfer mechanism for magnon-drag thermopower. Applied Physics Letters, 2011, 99, .	1.5	35
85	Landau-Lifshitz theory of thermomagnonic torque. Physical Review B, 2015, 92, .	1.1	35
86	Observation of Magnon Polarons in a Uniaxial Antiferromagnetic Insulator. Physical Review Letters, 2020, 125, 217201.	2.9	35
87	Magnetization damping in a local-density approximation. Physical Review B, 2007, 75, .	1.1	34
88	Tuning entanglement by squeezing magnons in anisotropic magnets. Physical Review B, 2020, 101, .	1.1	32
89	Conditions for extreme sensitivity of protein diffusion in membranes to cell environments. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15002-15007.	3.3	31
90	Tuning odd triplet superconductivity by spin pumping. Physical Review B, 2009, 80, .	1.1	31

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91	Thermally activated phase slips in superfluid spin transport in magnetic wires. <i>Physical Review B</i> , 2016, 93, .	1.1	30
92	Control of Spin-Wave Damping in YIG Using Spin Currents from Topological Insulators. <i>Physical Review Applied</i> , 2019, 11, .	1.5	30
93	Tunnel-barrier-enhanced dc voltage signals induced by magnetization dynamics in magnetic tunnel junctions. <i>Physical Review B</i> , 2008, 78, .	1.1	29
94	Proximity-effect-assisted decay of spin currents in superconductors. <i>Europhysics Letters</i> , 2008, 84, 57008.	0.7	29
95	Chiral Edge Mode in the Coupled Dynamics of Magnetic Solitons in a Honeycomb Lattice. <i>Physical Review Letters</i> , 2017, 119, 077204.	2.9	29
96	Nonlocal Magnetoresistance Mediated by Spin Superfluidity. <i>Physical Review Letters</i> , 2015, 115, 156604.	2.9	28
97	Spin Seebeck effect near the antiferromagnetic spin-flop transition. <i>Physical Review B</i> , 2020, 102, .	1.1	28
98	Antiferromagnetic switching driven by the collective dynamics of a coexisting spin glass. <i>Science Advances</i> , 2021, 7, .	4.7	27
99	Dynamic Ferromagnetic Proximity Effect in Photoexcited Semiconductors. <i>Physical Review Letters</i> , 2004, 92, 126601.	2.9	26
100	Emergent Gauge Fields from Curvature in Single Layers of Transition-Metal Dichalcogenides. <i>Physical Review Letters</i> , 2017, 118, 026801.	2.9	25
101	Antiferromagnetic textures and dynamics on the surface of a heavy metal. <i>Physical Review B</i> , 2017, 95, .	1.1	25
102	Spin hydrodynamics in amorphous magnets. <i>Physical Review B</i> , 2018, 98, .	1.1	25
103	Dynamic exchange coupling and Gilbert damping in magnetic multilayers (invited). <i>Journal of Applied Physics</i> , 2003, 93, 7534-7538.	1.1	23
104	Current-induced macrospin versus spin-wave excitations in spin valves. <i>Physical Review B</i> , 2006, 73, .	1.1	23
105	Magnetocaloritronic nanomachines. <i>Solid State Communications</i> , 2010, 150, 500-504.	0.9	23
106	Spin diffusion and magnetoresistance in ferromagnet/topological-insulator junctions. <i>Physical Review B</i> , 2014, 89, .	1.1	23
107	Magnetic Domain Walls as Hosts of Spin Superfluids and Generators of Skyrmions. <i>Physical Review Letters</i> , 2017, 119, 047202.	2.9	23
108	Topological spin transport by Brownian diffusion of domain walls. <i>Physical Review B</i> , 2015, 92, .	1.1	22

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109	Bose-Einstein condensation of magnons pumped by the bulk spin Seebeck effect. <i>Physical Review B</i> , 2016, 93, .	1.1	22
110	Chiral charge pumping in graphene deposited on a magnetic insulator. <i>Physical Review B</i> , 2017, 95, .	1.1	22
111	Generalized boundary conditions for spin transfer. <i>Physical Review B</i> , 2017, 96, .	1.1	22
112	Gilbert damping and spin Coulomb drag in a magnetized electron liquid with spin-orbit interaction. <i>Physical Review B</i> , 2007, 75, .	1.1	21
113	Quantum skyrmionics. <i>International Journal of Modern Physics B</i> , 2019, 33, 1930005.	1.0	21
114	Spin transport in mesoscopic rings with inhomogeneous spin-orbit coupling. <i>Physical Review B</i> , 2007, 76, .	1.1	20
115	Landau-Lifshitz theory of the magnon-drag thermopower. <i>Europhysics Letters</i> , 2016, 115, 57004.	0.7	20
116	Observation of nuclear-spin Seebeck effect. <i>Nature Communications</i> , 2021, 12, 4356.	5.8	20
117	Universal quantum computation with ordered spin-chain networks. <i>Physical Review A</i> , 2011, 84, .	1.0	19
118	Barnett effect in thin magnetic films and nanostructures. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	18
119	Control and braiding of Majorana fermions bound to magnetic domain walls. <i>Physical Review B</i> , 2015, 92, .	1.1	18
120	Topological Effects on Quantum Phase Slips in Superfluid Spin Transport. <i>Physical Review Letters</i> , 2016, 116, 127201.	2.9	18
121	Energy Storage via Topological Spin Textures. <i>Physical Review Letters</i> , 2018, 121, 127701.	2.9	18
122	Interfacial spin Seebeck effect in noncollinear magnetic systems. <i>Physical Review B</i> , 2019, 99, .	1.1	18
123	Enhanced antiferromagnetic resonance linewidth in NiO/Pt and NiO/Pd. <i>Physical Review B</i> , 2020, 101, .	1.1	18
124	Spin accumulation and decay in magnetic Schottky barriers. <i>Physical Review B</i> , 2005, 72, .	1.1	17
125	Perspective: (Beyond) spin transport in insulators. <i>Journal of Applied Physics</i> , 2018, 124, 190901.	1.1	17
126	Spin-Torque-Biased Magnetic Strip: Nonequilibrium Phase Diagram and Relation to Long Josephson Junctions. <i>Physical Review Letters</i> , 2018, 121, 037202.	2.9	17

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127	Spin-torque oscillation in a magnetic insulator probed by a single-spin sensor. <i>Physical Review B</i> , 2020, 102, .	1.1	17
128	Magneto-electronic Spin Echo. <i>Physical Review Letters</i> , 2003, 91, 166601.	2.9	16
129	Topological spin-transfer drag driven by skyrmion diffusion. <i>Physical Review B</i> , 2016, 94, .	1.1	16
130	Proposal for dynamic imaging of antiferromagnetic domain wall via quantum-impurity relaxometry. <i>Physical Review B</i> , 2018, 98, .	1.1	16
131	Evolution of the quantum Hall bulk spectrum into chiral edge states. <i>Nature Communications</i> , 2018, 9, 3692.	5.8	16
132	Nonlocal Spin Transport Mediated by a Vortex Liquid in Superconductors. <i>Physical Review Letters</i> , 2018, 121, 187203.	2.9	16
133	Topological Transport of Deconfined Hedgehogs in Magnets. <i>Physical Review Letters</i> , 2020, 125, 267201.	2.9	16
134	Resistance noise in spin valves. <i>Physical Review B</i> , 2007, 75, .	1.1	15
135	Dissipative dynamics of magnetic solitons in metals. <i>Physical Review B</i> , 2010, 81, .	1.1	15
136	Spin-magnon transmutation. <i>Physics Magazine</i> , 0, 4, .	0.1	15
137	Crossed Andreev reflection in quantum wires with strong spin-orbit interaction. <i>Physical Review B</i> , 2012, 85, .	1.1	15
138	Local thermomagnonic torques in two-fluid spin dynamics. <i>Physical Review B</i> , 2016, 94, .	1.1	15
139	Fast vortex oscillations in a ferrimagnetic disk near the angular momentum compensation point. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	15
140	Exploiting Coherence in Nonlinear Spin-Superfluid Transport. <i>Physical Review Letters</i> , 2017, 119, 187705.	2.9	15
141	Noninvasive measurements of spin transport properties of an antiferromagnetic insulator. <i>Science Advances</i> , 2022, 8, eabg8562.	4.7	15
142	Topological transport of vorticity in Heisenberg magnets. <i>Physical Review B</i> , 2019, 99, .	1.1	14
143	Driving a magnetized domain wall in an antiferromagnet by magnons. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	13
144	Spontaneous-symmetry-breaking mechanism of adiabatic pumping. <i>Physical Review B</i> , 2005, 71, .	1.1	12

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145	Spin injection in quantum wells with spatially dependent rashba interaction. <i>New Journal of Physics</i> , 2007, 9, 345-345.	1.2	12
146	Cooper-Pair Spin Current in a Strontium Ruthenate Heterostructure. <i>Physical Review Letters</i> , 2018, 121, 167001.	2.9	12
147	Hydrodynamics of three-dimensional skyrmions in frustrated magnets. <i>Physical Review B</i> , 2019, 100, .	1.1	12
148	Quantum Imaging of Magnetic Phase Transitions and Spin Fluctuations in Intrinsic Magnetic Topological Nanoflakes. <i>Nano Letters</i> , 2022, 22, 5810-5817.	4.5	11
149	An insulator-based transistor. <i>Nature Nanotechnology</i> , 2013, 8, 706-707.	15.6	10
150	Mechanical Actuation of Magnetic Domain-Wall Motion. <i>Physical Review Letters</i> , 2016, 117, 237201.	2.9	10
151	Quantum-kinetic theory of spin-transfer torque and magnon-assisted transport in nanoscale magnetic junctions. <i>Physical Review B</i> , 2019, 99, .	1.1	10
152	Quantum hydrodynamics of vorticity. <i>Physical Review Research</i> , 2019, 1, .	1.3	10
153	Nonlinear dynamics in a magnetic Josephson junction. <i>Physical Review B</i> , 2012, 86, .	1.1	9
154	Theory of electromechanical coupling in dynamical graphene. <i>Physical Review B</i> , 2013, 88, .	1.1	9
155	Spin superfluid Josephson quantum devices. <i>Physical Review B</i> , 2017, 95, .	1.1	9
156	Magnon-induced non-Markovian friction of a domain wall in a ferromagnet. <i>Physical Review B</i> , 2018, 97, .	1.1	9
157	Stabilization of the skyrmion crystal phase and transport in thin-film antiferromagnets. <i>Physical Review B</i> , 2019, 100, .	1.1	9
158	Self-stabilizing exchange-mediated spin transport. <i>Physical Review B</i> , 2021, 103, .	1.1	9
159	A three-dimensional calculation of atmospheric neutrino fluxes. <i>Astroparticle Physics</i> , 2003, 18, 449-461.	1.9	8
160	Spin detection in quantum dots by electric currents. <i>Physical Review B</i> , 2004, 69, .	1.1	8
161	Magnetic Domain Wall Floating on a Spin Superfluid. <i>Physical Review Letters</i> , 2017, 118, 097201.	2.9	8
162	Magnons versus electrons in thermal spin transport through metallic interfaces. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 394002.	1.3	8

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181	Electron-hole entanglement in a quantum spin Hall insulator. Physical Review B, 2014, 89, .	1.1	4
182	Coupled spin-charge dynamics in magnetic van der Waals heterostructures. Physical Review B, 2020, 102, .	1.1	4
183	Dynamically stabilized spin superfluidity in frustrated magnets. Physical Review B, 2021, 103, .	1.1	4
184	Self-induced spin-orbit torques in metallic ferromagnets. Journal of Magnetism and Magnetic Materials, 2021, 538, 168262.	1.0	4
185	Spin-Polarized Transport and Dynamics in Magnetic Tunneling Structures. IEEE Transactions on Magnetics, 2009, 45, 3434-3440.	1.2	3
186	Edge-State Wave Functions from Momentum-Conserving Tunneling Spectroscopy. Physical Review Letters, 2020, 125, 087701.	2.9	3
187	Generalized model of magnon kinetics and subgap magnetic noise. Physical Review B, 2022, 105, .	1.1	3
188	Nonlinear tube waves in permeable formations: Difference frequency generation. Journal of the Acoustical Society of America, 2004, 116, 209-216.	0.5	2
189	Tunneling spectroscopy of quantum wires: Spin-charge separation and localization. Physica Status Solidi (B): Basic Research, 2006, 243, 3593-3603.	0.7	2
190	Biasing topological charge injection in topological matter. Physical Review B, 2021, 104, .	1.1	2
191	Ultrafast spin torque memory based on magnetic tunnel junctions with combined in-plane and perpendicular polarizers. , 2012, , .		1
192	Electrical manipulation of spin pumping signal through nonlocal thermal magnon transport. Applied Physics Letters, 2019, 115, .	1.5	1
193	Collective spin dynamics under dissipative spin Hall torque. Applied Physics Letters, 2021, 118, 032406.	1.5	1