

Naoto Nagaosa

List of Publications by Year in descending order

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199
papers

29,914
citations

13068

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4535

171
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201
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201
docs citations

201
times ranked

16855
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous Hall effect. <i>Reviews of Modern Physics</i> , 2010, 82, 1539-1592.	16.4	3,276
2	Topological properties and dynamics of magnetic skyrmions. <i>Nature Nanotechnology</i> , 2013, 8, 899-911.	15.6	2,887
3	Real-space observation of a two-dimensional skyrmion crystal. <i>Nature</i> , 2010, 465, 901-904.	13.7	2,626
4	Orbital Physics in Transition-Metal Oxides. <i>Science</i> , 2000, 288, 462-468.	6.0	2,151
5	Dissipationless Quantum Spin Current at Room Temperature. <i>Science</i> , 2003, 301, 1348-1351.	6.0	1,754
6	The Anomalous Hall Effect and Magnetic Monopoles in Momentum Space. <i>Science</i> , 2003, 302, 92-95.	6.0	853
7	Spin Chirality, Berry Phase, and Anomalous Hall Effect in a Frustrated Ferromagnet. <i>Science</i> , 2001, 291, 2573-2576.	6.0	745
8	Multiferroics of spin origin. <i>Reports on Progress in Physics</i> , 2014, 77, 076501.	8.1	694
9	Classification of stable three-dimensional Dirac semimetals with nontrivial topology. <i>Nature Communications</i> , 2014, 5, 4898.	5.8	690
10	Current-induced skyrmion dynamics in constricted geometries. <i>Nature Nanotechnology</i> , 2013, 8, 742-747.	15.6	686
11	Universal current-velocity relation of skyrmion motion in chiral magnets. <i>Nature Communications</i> , 2013, 4, 1463.	5.8	557
12	Zeeman-type spin splitting controlled by an electric field. <i>Nature Physics</i> , 2013, 9, 563-569.	6.5	462
13	Symmetry and Topology in Superconductors â€œOdd-Frequency Pairing and Edge Statesâ€œ. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 011013.	0.7	453
14	Interface-driven topological Hall effect in SrRuO ₃ -SrIrO ₃ bilayer. <i>Science Advances</i> , 2016, 2, e1600304.	4.7	360
15	Topological nature of nonlinear optical effects in solids. <i>Science Advances</i> , 2016, 2, e1501524.	4.7	344
16	Nonreciprocal responses from non-centrosymmetric quantum materials. <i>Nature Communications</i> , 2018, 9, 3740.	5.8	339
17	Topological Nature of Anomalous Hall Effect in Ferromagnets. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 19-22.	0.7	329
18	Surface-Quantized Anomalous Hall Current and the Magnetoelectric Effect in Magnetically Disordered Topological Insulators. <i>Physical Review Letters</i> , 2011, 106, 166802.	2.9	315

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19	Quantum transport theory of anomalous electric, thermoelectric, and thermal Hall effects in ferromagnets. <i>Physical Review B</i> , 2008, 77, .	1.1	306
20	Microscopic theory of spin-polarization coupling in multiferroic transition metal oxides. <i>Physical Review B</i> , 2007, 76, .	1.1	279
21	Skyrmions and anomalous Hall effect in a Dzyaloshinskii-Moriya spiral magnet. <i>Physical Review B</i> , 2009, 80, .	1.1	278
22	Thermally driven ratchet motion of a skyrmion microcrystal and topological magnon Hall effect. <i>Nature Materials</i> , 2014, 13, 241-246.	13.3	268
23	Stability of U(1) spin liquids in two dimensions. <i>Physical Review B</i> , 2004, 70, .	1.1	246
24	Orbital Ferromagnetism and Anomalous Hall Effect in Antiferromagnets on the Distorted fcc Lattice. <i>Physical Review Letters</i> , 2001, 87, 116801.	2.9	234
25	Theory of topological spin current in noncentrosymmetric superconductors. <i>Physical Review B</i> , 2009, 79, .	1.1	200
26	Large anisotropic deformation of skyrmions in strained crystal. <i>Nature Nanotechnology</i> , 2015, 10, 589-592.	15.6	188
27	Anomalous magnetoresistance of a two-dimensional ferromagnet/ferromagnet junction on the surface of a topological insulator. <i>Physical Review B</i> , 2010, 81, .	1.1	184
28	Nonreciprocal charge transport in noncentrosymmetric superconductors. <i>Science Advances</i> , 2017, 3, e1602390.	4.7	180
29	Bond electronic polarization induced by spin. <i>Physical Review B</i> , 2006, 74, .	1.1	164
30	Skyrmion lattice in a two-dimensional chiral magnet. <i>Physical Review B</i> , 2010, 82, .	1.1	162
31	Quantum Hall effect on top and bottom surface states of topological insulator (Bi _{1-x} Sb _x) ₂ Te ₃ films. <i>Nature Communications</i> , 2015, 6, 6627.	5.8	154
32	Creation of skyrmions and antiskyrmions by local heating. <i>Nature Communications</i> , 2014, 5, 5148.	5.8	151
33	Bulk rectification effect in a polar semiconductor. <i>Nature Physics</i> , 2017, 13, 578-583.	6.5	151
34	Effect of lattice geometry on magnon Hall effect in ferromagnetic insulators. <i>Physical Review B</i> , 2012, 85, .	1.1	148
35	Theoretical study of the dynamics of magnetization on the topological surface. <i>Physical Review B</i> , 2010, 81, .	1.1	147
36	Geometric Hall effects in topological insulator heterostructures. <i>Nature Physics</i> , 2016, 12, 555-559.	6.5	146

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37	A review of electron-phonon coupling seen in the high-Tc superconductors by angle-resolved photoemission studies (ARPES). Physica Status Solidi (B): Basic Research, 2005, 242, 11-29.	0.7	142
38	Theory of magnon-skyrmion scattering in chiral magnets. Physical Review B, 2014, 89, .	1.1	141
39	Inertia, diffusion, and dynamics of a driven skyrmion. Physical Review B, 2014, 90, .	1.1	138
40	Tuning phase transition between quantum spin Hall and ordinary insulating phases. Physical Review B, 2007, 76, .	1.1	133
41	Quantum Hall states observed in thin films of Dirac semimetal Cd3As2. Nature Communications, 2017, 8, 2274.	5.8	130
42	Topological magnetoelectric effects in thin films of topological insulators. Physical Review B, 2015, 92, .	1.1	127
43	Scaling of the Anomalous Hall Effect in Sr $_{1-x}$ Ca $_x$ RuO $_3$. Physical Review Letters, 2004, 93, .	2.9	126
44	Quantized topological Hall effect in skyrmion crystal. Physical Review B, 2015, 92, .	1.1	126
45	Interplay between superconductivity and ferromagnetism on a topological insulator. Physical Review B, 2010, 81, .	1.1	123
46	Electric charging of magnetic textures on the surface of a topological insulator. Physical Review B, 2010, 82, .	1.1	121
47	Systematic study of electron-phonon coupling to oxygen modes across the cuprates. Physical Review B, 2010, 82, .	1.1	119
48	Majorana Bound States and Nonlocal Spin Correlations in a Quantum Wire on an Unconventional Superconductor. Physical Review Letters, 2013, 110, 117002.	2.9	110
49	Anomalous Hall Effect and Skyrmion Number in Real and Momentum Spaces. Journal of the Physical Society of Japan, 2004, 73, 2624-2627.	0.7	108
50	Emergent electromagnetism in solids. Physica Scripta, 2012, T146, 014020.	1.2	108
51	Colossal Spin Transfer Torque Effect on Skyrmion along the Edge. Nano Letters, 2014, 14, 4432-4437.	4.5	106
52	Theory of spin-phonon coupling in multiferroic manganese perovskites $\langle \text{MnO} \rangle$. Physical Review B, 2011, 84, .	1.1	105
53	Fermion fractionalization to Majorana fermions in a dimerized Kitaev superconductor. Physical Review B, 2014, 90, .	1.1	103
54	Electrically driven spin excitation in the ferroelectric magnet DyMnO_3 . Physical Review B, 2008, 78, .	1.1	99

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55	Rapid change of superconductivity and electron-phonon coupling through critical doping in Bi-2212. Science, 2018, 362, 62-65.	6.0	98
56	Critical phenomena of emergent magnetic monopoles in a chiral magnet. Nature Communications, 2016, 7, 11622.	5.8	97
57	Transport, magnetic and optical properties of Weyl materials. Nature Reviews Materials, 2020, 5, 621-636.	23.3	96
58	Photodrive of magnetic bubbles via magnetoelastic waves. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8977-8981.	3.3	87
59	Magnetic Field-Induced Insulator-Semimetal Transition in a Pyrochlore Nd_2O_7 . Physical Review Letters, 2014, 112, 246402.	2.9	79
60	Charge transport in p-n junctions of silicene. Physical Review B, 2013, 88, .	1.1	85
61	Anomalous Hall effect derived from multiple Weyl nodes in high-mobility EuTiO_3 films. Science Advances, 2018, 4, eaar7880.	4.7	83
62	Emergent Topological Phenomena in Thin Films of Pyrochlore Iridates. Physical Review Letters, 2014, 112, 246402.	2.9	79
63	Weyl fermions and spin dynamics of metallic ferromagnet SrRuO_3 . Nature Communications, 2016, 7, 11788.	5.8	79
64	Interference of topologically protected edge states in silicene nanoribbons. Physical Review B, 2013, 88, .	1.1	78
65	Spin chirality induced skew scattering and anomalous Hall effect in chiral magnets. Science Advances, 2018, 4, eaap9962.	4.7	77
66	Photogalvanic effect in Weyl semimetals from first principles. Physical Review B, 2018, 97, .	1.1	77
67	Nonreciprocal Current in Noncentrosymmetric Rashba Superconductors. Physical Review Letters, 2018, 121, 026601.	2.9	73
68	Nonreciprocal charge transport at topological insulator/superconductor interface. Nature Communications, 2019, 10, 2734.	5.8	72
69	Gauge fields in real and momentum spaces in magnets: monopoles and skyrmions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 5806-5819.	1.6	69
70	Role of the electron-phonon interaction in the strongly correlated cuprate superconductors. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 1349-1368.	0.6	68
71	Spin Hall effect of a conserved current: Conditions for a nonzero spin Hall current. Physical Review B, 2006, 73, .	1.1	68
72	Polaron coherence condensation as the mechanism for colossal magnetoresistance in layered manganites. Physical Review B, 2007, 76, .	1.1	63

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73	Correlation effects in (111) bilayers of perovskite transition-metal oxides. <i>Physical Review B</i> , 2014, 89, .	1.1	63
74	Theory of photoinduced Floquet Weyl semimetal phases. <i>Physical Review B</i> , 2016, 94, .	1.1	63
75	Emergent Non-Fermi-Liquid at the Quantum Critical Point of a Topological Phase Transition in Two Dimensions. <i>Physical Review Letters</i> , 2016, 116, 076803.	2.9	61
76	Phonon Magnetochiral Effect. <i>Physical Review Letters</i> , 2019, 122, 145901.	2.9	61
77	Emergent Electromagnetic Induction and Adiabatic Charge Pumping in Noncentrosymmetric Weyl Semimetals. <i>Physical Review Letters</i> , 2016, 117, 216601.	2.9	60
78	Emergent electromagnetic induction in a helical-spin magnet. <i>Nature</i> , 2020, 586, 232-236.	13.7	60
79	Spontaneous Hall effect in the Weyl semimetal candidate of all-in all-out pyrochlore iridate. <i>Nature Communications</i> , 2018, 9, 3032.	5.8	59
80	Witnessing the formation and relaxation of dressed quasi-particles in a strongly correlated electron system. <i>Nature Communications</i> , 2014, 5, 5112.	5.8	58
81	Riemannian geometry of resonant optical responses. <i>Nature Physics</i> , 2022, 18, 290-295.	6.5	58
82	Nonlinear spin current generation in noncentrosymmetric spin-orbit coupled systems. <i>Physical Review B</i> , 2017, 95, .	1.1	56
83	Nonmagnetic Impurities in Spin Gap Systems. <i>Journal of the Physical Society of Japan</i> , 1996, 65, 3724-3727.	0.7	55
84	Topological indices, defects, and Majorana fermions in chiral superconductors. <i>Physical Review B</i> , 2012, 86, .	1.1	55
85	Chiral Anomaly and Giant Magnetochiral Anisotropy in Noncentrosymmetric Weyl Semimetals. <i>Physical Review Letters</i> , 2016, 117, 146603.	2.9	55
86	Magnetic-field induced multiple topological phases in pyrochlore iridates with Mott criticality. <i>Nature Communications</i> , 2017, 8, 15515.	5.8	55
87	Spin Wave Theory of the Two-Dimensional Heisenberg Antiferromagnet Coupled with Localized Holes. <i>Journal of the Physical Society of Japan</i> , 1989, 58, 978-997.	0.7	54
88	Majorana fermions and multiple topological phase transition in Kitaev ladder topological superconductors. <i>Physical Review B</i> , 2014, 89, .	1.1	54
89	Role of the electron-phonon interaction in the strongly correlated cuprate superconductors. , 0, .		54
90	Theory of a quantum critical phenomenon in a topological insulator: (3+1)-dimensional quantum electrodynamics in solids. <i>Physical Review B</i> , 2012, 86, .	1.1	53

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91	Quantum Hall states stabilized in semi-magnetic bilayers of topological insulators. Nature Communications, 2015, 6, 8530.	5.8	53
92	Thermoelectric Power in Transition-Metal Monosilicides. Journal of the Physical Society of Japan, 2007, 76, 093601.	0.7	51
93	Anomalous Nernst and Hall effects in magnetized platinum and palladium. Physical Review B, 2014, 89, .	1.1	50
94	Coulomb Interaction Effect in Weyl Fermions with Tilted Energy Dispersion in Two Dimensions. Physical Review Letters, 2016, 116, 116803.	2.9	50
95	Concept of Quantum Geometry in Optoelectronic Processes in Solids: Application to Solar Cells. Advanced Materials, 2017, 29, 1603345.	11.1	50
96	Current-induced dynamics of skyrmion strings. Science Advances, 2018, 4, eaat1115.	4.7	49
97	Diagrammatic Monte-Carlo Method for Many-Polaron Problems. Physical Review Letters, 2014, 113, 166402.	2.9	47
98	Berry Curvature in Magnon-Phonon Hybrid Systems. Physical Review Letters, 2016, 117, 217205.	2.9	47
99	Quantum impurity spin in Majorana edge fermions. Physical Review B, 2010, 82, .	1.1	46
100	Experimental signature of the parity anomaly in a semi-magnetic topological insulator. Nature Physics, 2022, 18, 390-394.	6.5	45
101	Emergent inductor by spiral magnets. Japanese Journal of Applied Physics, 2019, 58, 120909.	0.8	44
102	Three-dimensional bulk band dispersion in polar BiTeI with giant Rashba-type spin splitting. Physical Review B, 2012, 86, .	1.1	43
103	Nonreciprocal superconducting NbSe ₂ antenna. Nature Communications, 2020, 11, 5634.	5.8	43
104	Terahertz Faraday rotation induced by an anomalous Hall effect in the itinerant ferromagnet SrRuO ₃ . Europhysics Letters, 2011, 95, 17002.	0.7	42
105	Domain wall of a ferromagnet on a three-dimensional topological insulator. Scientific Reports, 2015, 5, 13638.	1.6	42
106	Thermal Hall Effect, Spin Nernst Effect, and Spin Density Induced by a Thermal Gradient in Collinear Ferrimagnets from Magnon-Phonon Interaction. Nano Letters, 2020, 20, 2741-2746.	4.5	42
107	Spin Currents in Semiconductors, Metals, and Insulators. Journal of the Physical Society of Japan, 2008, 77, 031010.	0.7	40
108	Anomalous Hall Effect in Ferromagnetic Metals: Role of Phonons at Finite Temperature. Journal of the Physical Society of Japan, 2012, 81, 083704.	0.7	40

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109	Giant anomalous Hall effect from spin-chirality scattering in a chiral magnet. Nature Communications, 2021, 12, 317.	5.8	40
110	Multicritical Phenomena of Superconductivity and Antiferromagnetism in Organic Conductor ²⁺ -(BEDT-TTF) ₂ X. Journal of the Physical Society of Japan, 2000, 69, 2395-2398.	0.7	39
111	A New State of Quantum Matter. Science, 2007, 318, 758-759.	6.0	38
112	Magnetic Mechanism of Superconductivity in Coupled Spin-Fermion Systems. Journal of the Physical Society of Japan, 1988, 57, 2901-2904.	0.7	37
113	Theory of Non-Equilibrium States Driven by Constant Electromagnetic Fields. Progress of Theoretical Physics, 2006, 116, 61-86.	2.0	37
114	Motion tracking of 80-nm-size skyrmions upon directional current injections. Science Advances, 2020, 6, eaaz9744.	4.7	37
115	Superconductivity and Antiferromagnetism in High-Tc Cuprates. Science, 1997, 275, 1078-1079.	6.0	35
116	Chiral Anomaly and Spin Gap in One-Dimensional Interacting Fermions. Journal of the Physical Society of Japan, 1996, 65, 2241-2248.	0.7	34
117	Theory of the nonreciprocal Josephson effect. Physical Review B, 2021, 103, .	1.1	34
118	Photo-Induced Structure Changes. Journal of the Physical Society of Japan, 1987, 56, 2080-2088.	0.7	33
119	Theory of current-driven skyrmions in disordered magnets. Scientific Reports, 2018, 8, 6328.	1.6	33
120	Pairing of Fermions Coupled with Spin-1/2 Heisenberg System –“Exact Diagonalization Study for Mechanism of High-Tc Superconductivity”-. Journal of the Physical Society of Japan, 1989, 58, 1347-1371.	0.7	32
121	Monopole current and unconventional Hall response on a topological insulator. Physical Review B, 2010, 81, .	1.1	32
122	Current-Voltage Characteristic and Shot Noise of Shift Current Photovoltaics. Physical Review Letters, 2018, 121, 267401.	2.9	32
123	Spin Liquid State around a Doped Hole in Insulating Cuprates. Journal of the Physical Society of Japan, 2000, 69, 9-12.	0.7	31
124	Pressure variation of Rashba spin splitting toward topological transition in the polar semiconductor BiTeI. Physical Review B, 2014, 90, .	1.1	31
125	Berry Phase of Phonons and Thermal Hall Effect in Nonmagnetic Insulators. Physical Review Letters, 2019, 123, 255901.	2.9	31
126	Electric transport in three-dimensional skyrmion/monopole crystal. Physical Review B, 2016, 94, .	1.1	30

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127	Emergent electromagnetic induction beyond room temperature. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
128	Theory of the magnetic skyrmion glass. Physical Review B, 2018, 97, .	1.1	29
129	Calculation of overdamped c-axis charge dynamics and the coupling to polar phonons in cuprate superconductors. Physical Review B, 2006, 74, .	1.1	27
130	Anomalous electrical magnetochiral effect by chiral spin-cluster scattering. Nature Communications, 2020, 11, 2986.	5.8	27
131	Renormalization group study of electromagnetic interaction in multi-Dirac-node systems. Physical Review B, 2013, 87, .	1.1	26
132	Transport signatures of superconducting hybrids with mixed singlet and chiral triplet states. Physical Review B, 2014, 90, .	1.1	26
133	Dynamic transition of current-driven single-skyrmion motion in a room-temperature chiral-lattice magnet. Nature Communications, 2021, 12, 6797.	5.8	26
134	Nonreciprocal Landau-Zener tunneling. Communications Physics, 2020, 3, .	2.0	25
135	Conductance through a Magnetic Domain Wall in Double Exchange System. Journal of the Physical Society of Japan, 1996, 65, 3088-3089.	0.7	24
136	Large non-reciprocal charge transport mediated by quantum anomalous Hall edge states. Nature Nanotechnology, 2020, 15, 831-835.	15.6	20
137	Electromagnetic response in spiral magnets and emergent inductance. Communications Physics, 2021, 4, .	2.0	20
138	Gigantic enhancement of magnetochiral effect in photonic crystals. Applied Physics Letters, 2005, 87, 042503.	1.5	19
139	Tunneling through Barrier in Coulomb Gas Confined in Quantum Wire. Journal of the Physical Society of Japan, 1994, 63, 413-415.	0.7	19
140	Anomalous Hall effect and spin fluctuations in ionic liquid gated SrCoO_3 thin films. Physical Review B, 2018, 97, .	1.1	18
141	Platform of chiral Majorana edge modes and its quantum transport phenomena. Communications Physics, 2019, 2, .	2.0	18
142	Voltage dependence of Landau-Lifshitz-Gilbert damping of spin in a current-driven tunnel junction. Physical Review B, 2006, 73, .	1.1	17
143	Spin Hall effect of excitons. Physical Review B, 2008, 78, .	1.1	16
144	Quantum Dots Formed in Three-dimensional Dirac Semimetal CdAs_2 Nanowires. Nano Letters, 2018, 18, 1863-1868.	4.5	16

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145	Noncommutative quantum mechanics and skew scattering in ferromagnetic metals. Physical Review B, 2017, 96, .	1.1	15
146	Robustness of anomaly-related magnetoresistance in doped Weyl semimetals. Physical Review B, 2019, 99, .	1.1	14
147	Combing the helical phase of chiral magnets with electric currents. Physical Review B, 2020, 102, .	1.1	14
148	Magneto-optical effect induced by spin chirality of the itinerant ferromagnet Nd ₂ Mo ₂ O ₇ . Physical Review B, 2005, 72, .	1.1	13
149	Tomonaga-Luttinger liquid and localization in Weyl semimetals. Physical Review B, 2017, 95, .	1.1	13
150	NUMERICAL ANALYSIS OF COUPLED SPIN-FERMION MODEL " PAIRING MECHANISM THROUGH EXTENDED KONDO SINGLET. International Journal of Modern Physics B, 1988, 02, 959-973.	1.0	12
151	Threshold Features in Transport through a 1D Constriction. Physical Review Letters, 1997, 79, 1714-1717.	2.9	12
152	Left-Handed Spin Wave Excitation in Ferromagnet. Journal of the Physical Society of Japan, 2008, 77, 013702.	0.7	12
153	Large anomalous Hall effect and spin Hall effect by spin-cluster scattering in the strong-coupling limit. Physical Review B, 2021, 103, .	1.1	12
154	Lattice Instability in the Spin Ladder System under Magnetic Field. Journal of the Physical Society of Japan, 1998, 67, 1876-1878.	0.7	12
155	Gauge Covariant Formulation of the Wigner Representation through Deformation Quantization: Application to Keldysh Formalism with an Electromagnetic Field. Progress of Theoretical Physics, 2007, 117, 415-429.	2.0	11
156	Shift current from electromagnon excitations in multiferroics. Physical Review B, 2019, 100, .	1.1	11
157	Scaling laws for nonlinear electromagnetic responses of Dirac fermion. Physical Review B, 2016, 93, .	1.1	10
158	Critical Spin Fluctuation Mechanism for the Spin Hall Effect. Physical Review Letters, 2019, 123, 196603.	2.9	10
159	Superconductivity vs. Charge Density Wave in One-Dimensional Bipolaron System with Random Potentials "S=1/2 XXZ-Chain with Random Fields". Journal of the Physical Society of Japan, 1987, 56, 2460-2470.	0.7	10
160	Theory of excitonic states in CaB ₆ . Physical Review B, 2002, 66, .	1.1	9
161	Skyrmionic magnetization configurations at chiral magnet/ferromagnet heterostructures. Physical Review B, 2016, 93, .	1.1	9
162	Superconductivity-induced spectral weight transfer due to quantum geometry. Physical Review B, 2021, 104, .	1.1	9

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163	Generalized Hund's rule for two-atom systems. <i>Physical Review B</i> , 2014, 90, .	1.1	8
164	Theory of bulk photovoltaic effect in Anderson insulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
165	Manipulation of two spin qubits in a double quantum dot using an electric field. <i>Physical Review B</i> , 2010, 82, .	1.1	7
166	Gauge Field and the Confinement-Deconfinement Transition in Hydrogen-Bonded Ferroelectrics. <i>Physical Review Letters</i> , 2014, 112, 247602.	2.9	7
167	Spin Transport and Accumulation in a 2D Weyl Fermion System. <i>Physical Review Letters</i> , 2018, 121, 066603.	2.9	7
168	Photovoltaic effect by soft phonon excitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2122313119.	3.3	7
169	Berry curvature and orbital angular momentum of electrons in angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2015, 91, .	1.1	6
170	Momentum-space electromagnetic induction in Weyl semimetals. <i>Physical Review B</i> , 2017, 95, .	1.1	6
171	Diffusive real-time dynamics of a particle with Berry curvature. <i>Physical Review B</i> , 2018, 97, .	1.1	6
172	Real-Space Observation of a Transformation from Antiskyrmion to Skyrmion by Lorentz TEM. <i>Microscopy and Microanalysis</i> , 2019, 25, 1840-1841.	0.2	6
173	Scaling theory of a quantum ratchet. <i>Physical Review B</i> , 2019, 99, .	1.1	6
174	Above-ordering-temperature large anomalous Hall effect in a triangular-lattice magnetic semiconductor. <i>Science Advances</i> , 2021, 7, eabl5381.	4.7	6
175	Optical Spectra in the Ferromagnetic States near the Charge Ordering. <i>Journal of the Physical Society of Japan</i> , 1997, 66, 3678-3682.	0.7	5
176	Orbital-dependent Kondo effect for Fe in Au : Combined approach of density functional theory and quantum Monte Carlo method. <i>Journal of Physics: Conference Series</i> , 2010, 200, 062007.	0.3	5
177	Giant spin Hall effect of Au films with Pt impurities: Surface-assisted skew scattering. <i>Journal of Applied Physics</i> , 2011, 109, 07C502.	1.1	5
178	Current response of nonequilibrium steady states in the Landau-Zener problem: Nonequilibrium Green's function approach. <i>Physical Review B</i> , 2020, 102, .	1.1	4
179	Anisotropic Three-Dimensional Quantum Hall Effect and Magnetotransport in Mesoscopic Weyl Semimetals. <i>Nano Letters</i> , 2022, 22, 3033-3039.	4.5	4
180	Nonreciprocal transport of a super-Ohmic quantum ratchet. <i>Physical Review B</i> , 2019, 100, .	1.1	3

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181	Photocurrent of exciton polaritons. Physical Review B, 2020, 102, .	1.1	3
182	Capture and chaotic scattering of a charged particle by a magnetic monopole under a uniform electric field. Physical Review E, 2018, 98, .	0.8	2
183	Tilting dependence and anisotropy of anomaly-related magnetoconductance in type-II Weyl semimetals. Scientific Reports, 2019, 9, 16149.	1.6	2
184	Enhanced electrical magnetochiral effect by spin-hedgehog lattice structural transition. Physical Review B, 2021, 103, .	1.1	2
185	Ultrafast excitation and topological soliton formation in incommensurate charge density wave states. Physical Review B, 2021, 104, .	1.1	2
186	Geometrical Aspects of Gigantic Magneto-Electric Effect and Quantum Pump. Journal of the Physical Society of Japan, 2005, 74, 2361-2373.	0.7	2
187	Generalized equation of motion for orbital dynamics in the presence of current. Physical Review B, 2006, 73, .	1.1	1
188	Spontaneous Symmetry Breaking of Domain Walls in Phase-Competing Regions. Journal of the Physical Society of Japan, 2018, 87, 053601.	0.7	1
189	Nonlinear Conduction in Quasi-1D Organic Systems. Molecular Crystals and Liquid Crystals, 1992, 218, 263-268.	0.3	0
190	Theory for Slightly Doped Antiferromagnetic Mott Insulators. Journal of Low Temperature Physics, 2003, 131, 169-179.	0.6	0
191	Antiferromagnetism and singlet formation in underdoped high-Tccuprates: Implications for superconducting pairing. Physical Review B, 2006, 73, .	1.1	0
192	Suppression of superfluidity by dissipation: An application to failed superconductors. Physical Review B, 2020, 102, .	1.1	0
193	Right and Left in Quantum Dynamics of Solids. , 2021, , 103-124.		0
194	Quasi-degenerate self-trapping and its application to anthracene-PMDA: phenomenon, optical absorption and luminescence time-resolved spectroscopy. , 2001, , .		0
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