

# Leon Balents

## List of Publications by Year in descending order

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193  
papers

32,344  
citations

8159

76  
h-index

3714

179  
g-index

194  
all docs

194  
docs citations

194  
times ranked

16066  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin liquids in frustrated magnets. Nature, 2010, 464, 199-208.	13.7	3,171
2	Topological invariants of time-reversal-invariant band structures. Physical Review B, 2007, 75, .	1.1	1,975
3	Weyl Semimetal in a Topological Insulator Multilayer. Physical Review Letters, 2011, 107, 127205.	2.9	1,881
4	Carbon nanotube intramolecular junctions. Nature, 1999, 402, 273-276.	13.7	1,639
5	Luttinger-liquid behaviour in carbon nanotubes. Nature, 1999, 397, 598-601.	13.7	1,396
6	Topological nodal semimetals. Physical Review B, 2011, 84, .	1.1	1,323
7	Quantum spin liquids: a review. Reports on Progress in Physics, 2017, 80, 016502.	8.1	1,259
8	Deconfined Quantum Critical Points. Science, 2004, 303, 1490-1494.	6.0	1,068
9	Correlated Quantum Phenomena in the Strong Spin-Orbit Regime. Annual Review of Condensed Matter Physics, 2014, 5, 57-82.	5.2	1,020
10	Mott physics and band topology in materials with strong spin-orbit interaction. Nature Physics, 2010, 6, 376-381.	6.5	892
11	Intrinsic quantized anomalous Hall effect in a moiré heterostructure. Science, 2020, 367, 900-903.	6.0	844
12	Quantum criticality beyond the Landau-Ginzburg-Wilson paradigm. Physical Review B, 2004, 70, .	1.1	621
13	Coulomb Interactions and Mesoscopic Effects in Carbon Nanotubes. Physical Review Letters, 1997, 79, 5086-5089.	2.9	556
14	Pyrochlore photons: The $U(1)$ spin liquid in a $S=12$ three-dimensional frustrated magnet. Physical Review B, 2004, 69, .	1.1	478
15	Identifying topological order by entanglement entropy. Nature Physics, 2012, 8, 902-905.	6.5	474
16	$\langle \mathbf{V} \rangle = A \langle \mathbf{Z} \rangle^2$ . Physical Review Letters, 2020, 125, 247002.	2.9	468
17	Superconductivity and strong correlations in moiré flat bands. Nature Physics, 2020, 16, 725-733.	6.5	448
18	Topological Superconductivity in Twisted Multilayer Graphene. Physical Review Letters, 2018, 121, 087001.	2.9	353

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19	Quantum Excitations in Quantum Spin Ice. Physical Review X, 2011, 1, .	2.8	343
20	Time-reversal invariant realization of the Weyl semimetal phase. Physical Review B, 2012, 85, .	1.1	330
21	Weak-coupling phase diagram of the two-chain Hubbard model. Physical Review B, 1996, 53, 12133-12141.	1.1	318
22	Fractionalization in an easy-axis Kagome antiferromagnet. Physical Review B, 2002, 65, .	1.1	274
23	Spin liquid ground state of the spin- $\frac{1}{2}$ Heisenberg antiferromagnet on a Kagome lattice. Physical Review B, 2011, 83, 040408.	1.1	271
24	Band touching from real-space topology in frustrated hopping models. Physical Review B, 2008, 78, .	1.1	251
25	Cascade of correlated electron states in the kagome superconductor CsV3Sb5. Nature, 2021, 599, 216-221.	13.7	251
26	Coulombic Quantum Liquids in Spin- $1$ Pyrochlores. Physical Review Letters, 2012, 108, 037202.	2.9	232
27	Supersolid Order from Disorder: Hard-Core Bosons on the Triangular Lattice. Physical Review Letters, 2005, 95, 127207.	2.9	216
28	Weyl superconductors. Physical Review B, 2012, 86, .	1.1	209
29	Communication Through a Diffusive Medium: Coherence and Capacity. Science, 2000, 287, 287-290.	6.0	208
30	Non-Fermi-Liquid and Topological States with Strong Spin-Orbit Coupling. Physical Review Letters, 2013, 111, 206401.	2.9	205
31	Order-by-disorder and spiral spin-liquid in frustrated diamond-lattice antiferromagnets. Nature Physics, 2007, 3, 487-491.	6.5	202
32	Nonequilibrium steady states of driven periodic media. Physical Review B, 1998, 57, 7705-7739.	1.1	192
33	Exotic phases induced by strong spin-orbit coupling in ordered double perovskites. Physical Review B, 2010, 82, .	1.1	192
34	Low-dimensional Mott material: Transport in ultrathin epitaxial LaNiO3 films. Applied Physics Letters, 2010, 96, .	1.5	189
35	Strongly Correlated Metal Built from Sachdev-Ye-Kitaev Models. Physical Review Letters, 2017, 119, 216601.	2.9	178
36	Order by Quantum Disorder in $\text{Er}_2\text{Ti}_7\text{O}_{16}$ . Physical Review Letters, 2012, 109, 167201.	2.9	169

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37	Exact SO(8) symmetry in the weakly-interacting two-leg ladder. Physical Review B, 1998, 58, 1794-1825.	1.1	168
38	Generic quantum spin ice. Physical Review B, 2012, 86, .	1.1	168
39	Weyl magnons in breathing pyrochlore antiferromagnets. Nature Communications, 2016, 7, 12691.	5.8	168
40	Nodal Liquid Theory of the Pseudo-Gap Phase of High-Tc Superconductors. International Journal of Modern Physics B, 1998, 12, 1033-1068.	1.0	165
41	Impurity-bound states and Green's function zeros as local signatures of topology. Physical Review B, 2015, 92, .	1.1	165
42	Dual order parameter for the nodal liquid. Physical Review B, 1999, 60, 1654-1667.	1.1	149
43	N-chain Hubbard model in weak coupling. Physical Review B, 1997, 56, 6569-6593.	1.1	148
44	Spinons and triplons in spatially anisotropic frustrated antiferromagnets. Nature Physics, 2007, 3, 790-795.	6.5	145
45	Quadratic Fermi node in a 3D strongly correlated semimetal. Nature Communications, 2015, 6, 10042.	5.8	145
46	Electronic instabilities of kagome metals: Saddle points and Landau theory. Physical Review B, 2021, 104, .	1.1	142
47	Field-tunable quantum disordered ground state in the triangular-lattice antiferromagnet NaYbO <sub>2</sub> . Nature Physics, 2019, 15, 1058-1064.	6.5	138
48	Quasiparticle Transport and Localization in High-Tc Superconductors. Physical Review Letters, 1998, 81, 4704-4707.	2.9	133
49	Ring exchange, the exciton Bose liquid, and bosonization in two dimensions. Physical Review B, 2002, 66, .	1.1	133
50	Putting competing orders in their place near the Mott transition. Physical Review B, 2005, 71, .	1.1	132
51	Chiral Surface States in the Bulk Quantum Hall Effect. Physical Review Letters, 1996, 76, 2782-2785.	2.9	125
52	Anomalous Hall Effect and Topological Defects in Antiferromagnetic Weyl Semimetals: $Mn^3$	2.9	125
53	Spin-orbit effects in Na A hyper-kagome lattice antiferromagnet. Physical Review B, 2008, 78, .	1.1	121
54	Ordering in Spatially Anisotropic Triangular Antiferromagnets. Physical Review Letters, 2007, 98, 077205.	2.9	119

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55	Dimerized Phase and Transitions in a Spatially Anisotropic Square Lattice Antiferromagnet. Physical Review Letters, 2004, 93, 127202.	2.9	116
56	Gapless Spin Liquids on the Three-Dimensional Hyperkagome Lattice of $\text{Na}_4\text{O}_8$ . Physical Review Letters, 2008, 101, 197202.	2.9	115
57	Quantum criticality and deconfinement in phase transitions between valence bond solids. Physical Review B, 2004, 69, .	1.1	112
58	Extreme sensitivity of a frustrated quantum magnet: $\text{Cs}_2\text{CuCl}_4$ . Physical Review B, 2010, 82, .	1.1	110
59	Global phase diagram of competing ordered and quantum spin-liquid phases on the kagome lattice. Physical Review B, 2015, 91, .	1.1	109
60	Field-induced quantum metal-insulator transition in the pyrochlore iridate $\text{Nd}_2\text{Ir}_2\text{O}_7$ . Nature Physics, 2016, 12, 134-138.	6.5	109
61	Delocalization transition via supersymmetry in one dimension. Physical Review B, 1997, 56, 12970-12991.	1.1	107
62	Multiple topological transitions in twisted bilayer graphene near the first magic angle. Physical Review B, 2019, 99, .	1.1	104
63	Ground State Phases of the Half-Filled One-Dimensional Extended Hubbard Model. Physical Review Letters, 2004, 92, 236401.	2.9	102
64	Rotation symmetry breaking in the normal state of a kagome superconductor $\text{KV}_3\text{Sb}_5$ . Nature Physics, 2022, 18, 265-270.	6.5	102
65	Quantum smectic and supersolid order in helium films and vortex arrays. Physical Review B, 1995, 52, 12951-12968.	1.1	101
66	Low-Energy Spin Dynamics of the Honeycomb Spin Liquid Beyond the Kitaev Limit. Physical Review Letters, 2016, 117, 037209.	2.9	93
67	Noncollinear phases in moiré magnets. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10721-10726.	3.3	91
68	Interlayer Tunneling in Double-Layer Quantum Hall Pseudoferrromagnets. Physical Review Letters, 2001, 86, 1825-1828.	2.9	89
69	Disorder-Induced Quantum Spin Liquid in Spin Ice Pyrochlores. Physical Review Letters, 2017, 118, 087203.	2.9	89
70	Spin-Orbital Singlet and Quantum Critical Point on the Diamond Lattice: $\text{FeSc}_2\text{S}_4$ . Physical Review Letters, 2009, 102, 096406.	2.9	88
71	Quantization of the Thermal Hall Conductivity at Small Hall Angles. Physical Review Letters, 2018, 121, 147201.	2.9	88
72	Classical discrete time crystals. Nature Physics, 2020, 16, 438-447.	6.5	85

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73	Ferromagnetism in Doped Excitonic Insulators. Physical Review Letters, 2000, 84, 1264-1267.	2.9	84
74	Quadrupolar correlations and spin freezing in $S=1$ triangular lattice antiferromagnets. Physical Review B, 2009, 79, .	1.1	83
75	New Type of Quantum Criticality in the Pyrochlore Iridates. Physical Review X, 2014, 4, .	2.8	77
76	Fractional Topological Phases from Strongly Coupled Spin Chains. Physical Review Letters, 2017, 119, 257202.	2.9	77
77	Green's Function for Magnetically Incoherent Interacting Electrons in One Dimension. Physical Review Letters, 2004, 93, 226401.	2.9	75
78	Slater to Mott Crossover in the Metal to Insulator Transition of $NdO_7$ . Physical Review Letters, 2016, 117, 056403.	2.9	72
79	Fluctuations and Intrinsic Pinning in Layered Superconductors. Physical Review Letters, 1994, 73, 2618-2621.	2.9	70
80	Phase Diagram for Quantum Hall Bilayers at $\nu=1$ . Physical Review Letters, 2003, 91, 116802.	2.9	70
81	Comment on "Moving Glass Phase of Driven Lattices". Physical Review Letters, 1997, 78, 751-751.	2.9	69
82	Singular angular magnetoresistance in a magnetic nodal semimetal. Science, 2019, 365, 377-381.	6.0	69
83	Spin Transport in Interacting Quantum Wires and Carbon Nanotubes. Physical Review Letters, 2000, 85, 3464-3467.	2.9	66
84	Anisotropic pyrochlores and the global phase diagram of the checkerboard antiferromagnet. Physical Review B, 2005, 72, .	1.1	66
85	Models of degeneracy breaking in pyrochlore antiferromagnets. Physical Review B, 2006, 74, .	1.1	65
86	Quantum entanglement of the Sachdev-Ye-Kitaev models. Physical Review B, 2018, 97, .	1.1	65
87	Odd-Integer Quantum Hall Effect in Graphene: Interaction and Disorder Effects. Physical Review Letters, 2007, 99, 196802.	2.9	64
88	Disorder-induced unbinding of a flux line from an extended defect. Physical Review B, 1994, 49, 13030-13048.	1.1	60
89	Emergence of $U(1)$ Symmetry in the 3D $XY$ Model with Anisotropy. Physical Review Letters, 2007, 99, 207203.	2.9	58
90	Chiral domain walls of $Mn_3Sn$ and their memory. Nature Communications, 2019, 10, 3021.	5.8	58

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91	Interplay of quantum criticality and geometric frustration in columbite. Nature Physics, 2010, 6, 702-706.	6.5	57
92	Excitations and quasi-one-dimensionality in field-induced nematic and spin density wave states. Physical Review B, 2014, 89, .	1.1	55
93	Optical conductivity of $\text{LaNiO}_3$ . Coherent transport and correlation driven mass enhancement. Physical Review B, 2010, 82, .	1.1	54
94	Spin liquid regimes at nonzero temperature in quantum spin ice. Physical Review B, 2013, 87, .	1.1	54
95	Coulomb drag between two spin-incoherent Luttinger liquids. Physical Review B, 2006, 73, .	1.1	53
96	Spin-dependent transport in a Luttinger liquid. Physical Review B, 2001, 64, .	1.1	51
97	Time-reversal symmetry breaking superconducting ground state in the doped Mott insulator on the honeycomb lattice. Physical Review B, 2013, 88, .	1.1	51
98	Spin Liquid Phases for Spin-1 Systems on the Triangular Lattice. Physical Review Letters, 2012, 108, 087204.	2.9	49
99	Ground states of spin- $\frac{1}{2}$ antiferromagnets in a magnetic field. Physical Review B, 2013, 87, .	1.1	49
100	Spin-Orbit Dimers and Noncollinear Phases in $\text{CdMn}_2\text{P}_2\text{O}_{14}$ Cubic Double Perovskites. Physical Review Letters, 2017, 118, 217202.	2.9	49
101	Critical behavior of the supersolid transition in Bose-Hubbard models. Physical Review B, 1997, 55, 1050-1067.	1.1	47
102	X-ray-edge singularities in nanotubes and quantum wires with multiple subbands. Physical Review B, 2000, 61, 4429-4432.	1.1	47
103	Deconfined Criticality Critically Defined. Journal of the Physical Society of Japan, 2005, 74, 1-9.	0.7	47
104	Putting competing orders in their place near the Mott transition. II. The doped quantum dimer model. Physical Review B, 2005, 71, .	1.1	46
105	Hybrid Wannier Chern bands in magic angle twisted bilayer graphene and the quantized anomalous Hall effect. Physical Review Research, 2021, 3, .	1.3	46
106	Ferromagnetism in Itinerant Two-Dimensional $\text{MgTi}_2\text{O}_7$ . Physical Review Letters, 2013, 110, 206401.	2.9	45
107	Landau levels in twisted bilayer graphene and semiclassical orbits. Physical Review B, 2019, 100, .	1.1	45
108	Spatially anisotropic Heisenberg kagome antiferromagnet. Physical Review B, 2008, 78, .	1.1	44

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109	Spirals and Skyrmions in Two Dimensional Oxide Heterostructures. Physical Review Letters, 2014, 112, 067202.	2.9	44
110	Ordering in a frustrated pyrochlore antiferromagnet proximate to a spin liquid. Physical Review B, 2006, 73, .	1.1	43
111	Spin Liquid versus Spin Orbit Coupling on the Triangular Lattice. SciPost Physics, 2018, 4, .	1.5	43
112	Dual vortex theory of strongly interacting electrons: A non-Fermi liquid with a twist. Physical Review B, 2000, 61, 6307-6319.	1.1	42
113	Numerical Evidences of Fractionalization in an Easy-Axis Two-Spin Heisenberg Antiferromagnet. Physical Review Letters, 2005, 94, 146805.	2.9	41
114	Probing the metal-insulator transition of NdNiO <sub>3</sub> by electrostatic doping. Applied Physics Letters, 2011, 99, .	1.5	39
115	Dimer Mott insulator in an oxide heterostructure. Physical Review B, 2013, 87, .	1.1	38
116	Correlation between metal-insulator transitions and structural distortions in high-electron-density SrTiO <sub>3</sub> quantum wells. Physical Review B, 2014, 89, .	1.1	38
117	Giant modulation of optical nonlinearity by Floquet engineering. Nature, 2021, 600, 235-239.	13.7	38
118	Excitonic order at strong coupling: Pseudospin, doping, and ferromagnetism. Physical Review B, 2000, 62, 2346-2357.	1.1	36
119	Localization of Elastic Layers by Correlated Disorder. Europhysics Letters, 1993, 24, 489-494.	0.7	35
120	Quantum phase transitions around the staggered valence-bond solid. Physical Review B, 2011, 84, .	1.1	35
121	Spin excitations in the frustrated triangular lattice antiferromagnet $\text{NaYbO}_2$ . Physical Review B, 2020, 101, .	1.1	34
122	General continuum model for twisted bilayer graphene and arbitrary smooth deformations. SciPost Physics, 2019, 7, .	1.5	34
123	Quantum oscillations from a two-dimensional electron gas at a Mott/band insulator interface. Applied Physics Letters, 2012, 101, .	1.5	33
124	Carrier density independent scattering rate in SrTiO <sub>3</sub> -based electron liquids. Scientific Reports, 2016, 6, 20865.	1.6	32
125	Quantum Lifshitz Field Theory of a Frustrated Ferromagnet. Physical Review Letters, 2016, 116, 177201.	2.9	32
126	Finite-temperature behavior of a classical spin-orbit-coupled model for $\text{YbMgGaO}_4$ with and without bond disorder. Physical Review B, 2018, 97, .	1.1	32



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127	Supersolid order of frustrated hard-core bosons in a triangular lattice system. <i>Physical Review B</i> , 2009, 79, .	1.1	31
128	Floquet Engineering of Multiorbital Mott Insulators: Applications to Orthorhombic Titanates. <i>Physical Review Letters</i> , 2018, 121, 107201.	2.9	31
129	Gaps and pseudogaps in perovskite rare earth nickelates. <i>APL Materials</i> , 2015, 3, 062503.	2.2	30
130	Thermal fluctuations in pinned elastic systems: field theory of rare events and droplets. <i>Annals of Physics</i> , 2005, 315, 213-303.	1.0	29
131	Transport in a spin-incoherent Luttinger liquid. <i>Physical Review B</i> , 2005, 72, .	1.1	29
132	Bismuth in strong magnetic fields: Unconventional Zeeman coupling and correlation effects. <i>Physical Review B</i> , 2009, 79, .	1.1	29
133	Directed paths on percolation clusters. <i>Journal of Statistical Physics</i> , 1992, 67, 1-11.	0.5	27
134	Spatially ordered fractional quantum Hall states. <i>Europhysics Letters</i> , 1996, 33, 291-296.	0.7	26
135	Momentum-resolved tunneling between Luttinger liquids. <i>Physical Review B</i> , 2002, 66, .	1.1	26
136	Field theory of statics and dynamics of glasses: Rare events and barrier distributions. <i>Europhysics Letters</i> , 2004, 65, 685-691.	0.7	26
137	Quantum skyrmions in two-dimensional chiral magnets. <i>Physical Review B</i> , 2016, 94, .	1.1	26
138	Degenerate perturbation theory of quantum fluctuations in a pyrochlore antiferromagnet. <i>Physical Review B</i> , 2007, 75, .	1.1	25
139	Bulk Topological Proximity Effect. <i>Physical Review Letters</i> , 2016, 116, 086802.	2.9	24
140	Quantum criticality among entangled spin chains. <i>Nature Physics</i> , 2018, 14, 273-276.	6.5	24
141	Delocalization of Flux Lines from Extended Defects by Bulk Randomness. <i>Europhysics Letters</i> , 1993, 23, 503-509.	0.7	22
142	Broad relaxation spectrum and the field theory of glassy dynamics for pinned elastic systems. <i>Physical Review E</i> , 2004, 69, 061107.	0.8	22
143	Spin-orbital and quantum criticality in $S=2$ $\text{FeSc}_2$ . <i>Physical Review B</i> , 2015, 91, .	1.1	22
144	Dynamical transition in sliding charge-density waves with quenched disorder. <i>Physical Review B</i> , 1996, 54, 12798-12806.	1.1	21

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145	Floquet spin and spin-orbital Hamiltonians and doublon-holon generations in periodically driven Mott insulators. <i>Physical Review B</i> , 2019, 99, .	1.1	21
146	XY ring-exchange model on the triangular lattice. <i>Physical Review B</i> , 2003, 67, .	1.1	20
147	Artificial Electric Field in Fermi Liquids. <i>Physical Review Letters</i> , 2006, 97, 216601.	2.9	20
148	Dual vortex theory of doped Mott insulators. <i>Annals of Physics</i> , 2007, 322, 2635-2664.	1.0	20
149	Spin liquid and quantum phase transition without symmetry breaking in a frustrated three-dimensional Ising model. <i>Physical Review B</i> , 2016, 94, .	1.1	20
150	Dimensional crossover in a layered ferromagnet detected by spin correlation driven distortions. <i>Nature Communications</i> , 2019, 10, 1654.	5.8	20
151	Roughening of anisotropically reconstructed surfaces and the Hubbard model. <i>Physical Review B</i> , 1992, 46, 16031-16044.	1.1	19
152	Competing Orders and Non-Landau-Ginzburg-Wilson Criticality in (Bose) Mott Transitions. <i>Progress of Theoretical Physics Supplement</i> , 2005, 160, 314-336.	0.2	19
153	Heterobilayer moiré magnets: Moiré skyrmions and commensurate-incommensurate transitions. <i>Physical Review B</i> , 2021, 104, .	1.1	19
154	Emergent quasi-one-dimensionality in a kagome magnet: A simple route to complexity. <i>Physical Review B</i> , 2016, 94, .	1.1	18
155	Strong spin frustration from isolated triangular Cu( $\text{OH}$ ) <sub>3</sub> Cl with a novel cuprate layer. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8170-8178.	2.7	17
156	Dynamical Signatures of Quasiparticle Interactions in Quantum Spin Chains. <i>Physical Review Letters</i> , 2020, 125, 187201.	2.9	17
157	Frustrated Heisenberg model within the stretched diamond lattice of $\text{LiYbO}$ . <i>Physical Review B</i> , 2021, 103, .	1.1	17
158	Transport of surface states in the bulk quantum Hall effect. <i>Physical Review B</i> , 1997, 56, 15814-15821.	1.1	16
159	Current switching of valley polarization in twisted bilayer graphene. <i>Physical Review B</i> , 2021, 103, .	1.1	16
160	Continuous 3D Freezing Transition in Layered Superconductors. <i>Physical Review Letters</i> , 1996, 76, 3416-3419.	2.9	15
161	Seebeck coefficient of a quantum confined, high-electron-density electron gas in SrTiO <sub>3</sub> . <i>Applied Physics Letters</i> , 2012, 100, 161601.	1.5	15
162	Competing orders in pyrochlore magnets from a Z <sub>2</sub> spin liquid perspective. <i>Physical Review B</i> , 2019, 100, .	1.1	15

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163	Measuring Fractional Charge in Carbon Nanotubes. Journal of Statistical Physics, 2001, 103, 429-440.	0.5	14
164	Realization of quantum dipoles in triangular lattice crystal Physical Review B, 2021, 104, .	1.1	14
165	Commensurability effects in large Josephson junctions. Physical Review B, 1995, 51, 6515-6525.	1.1	13
166	Andreev current in finite-size carbon nanotubes. Physical Review B, 2002, 66, .	1.1	13
167	Incommensurate spin density wave at a ferromagnetic quantum critical point in a three-dimensional parabolic semimetal. Physical Review B, 2015, 92, .	1.1	13
168	Blayer Graphene as a Platform for Bosonic Symmetry-Protected Topological States. Physical Review Letters, 2017, 118, 126801.	2.9	13
169	Amplitude mode in the planar triangular antiferromagnet Na <sub>0.9</sub> MnO <sub>2</sub> . Nature Communications, 2018, 9, 2188.	5.8	13
170	Roton Fermi liquid: A metallic phase of two-dimensional electrons. Physical Review B, 2005, 71, .	1.1	12
171	Field-induced quantum criticality application to magnetic cooling. Physica Status Solidi (B): Basic Research, 2013, 250, 457-463.	0.7	12
172	Three-Magnon Bound State in the Quasi-One-Dimensional Antiferromagnet $\text{NaMnO}_2$ Physical Review Letters, 2020, 124, 197203.	2.9	11
173	Symmetric U(1) and Z <sub>2</sub> spin liquids on the pyrochlore lattice. Physical Review B, 2021, 104, .	1.1	11
174	Detecting the quantum zero-point motion of vortices in the cuprate superconductors. Annals of Physics, 2006, 321, 1528-1546.	1.0	10
175	Accuracy of Topological Entanglement Entropy on Finite Cylinders. Physical Review Letters, 2013, 111, 107205.	2.9	10
176	Observation by resonant angle-resolved photoemission of a critical thickness for 2-dimensional electron gas formation in SrTiO <sub>3</sub> embedded in GdTiO <sub>3</sub> . Applied Physics Letters, 2015, 107, 231602.	1.5	9
177	Semiclassical analysis of a magnetization plateau in a two-dimensional frustrated ferrimagnet. Physical Review B, 2017, 95, .	1.1	9
178	Collective spinon spin wave in a magnetized U(1) spin liquid. Physical Review B, 2020, 101, .	1.1	9
179	Dimer description of the SU(4) antiferromagnet on the triangular lattice. SciPost Physics, 2020, 8, .	1.5	8
180	Quantum mechanics in a spin. Nature, 2016, 540, 534-535.	13.7	7

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181	Ultrafast optical excitation of magnetic dynamics in van der Waals magnets: Coherent magnons and BKT dynamics in $\text{NiPS}_3$ . Physical Review B, 2022, 105, .	1.1	7
182	Effective Hamiltonians for some highly frustrated magnets. Journal of Physics Condensed Matter, 2007, 19, 145204.	0.7	6
183	Many-body effects in topological Kondo insulators. Physical Review B, 2015, 91, .	1.1	6
184	The Impact of Ionic Frustration on Electronic Order. Science, 2012, 336, 547-548.	6.0	5
185	Finite-size effects in the $\mathbb{Z}_2$ spin liquid on the kagome lattice. Physical Review B, 2013, 87, .	1.1	5
186	Optical excitation of magnons in an easy-plane antiferromagnet: Application to $\text{Sr}_2\text{IrO}_4$ . Physical Review B, 2019, 100, .	1.1	5
187	Kinetic magnetism at the interface between Mott and band insulators. Physical Review B, 2016, 93, .	1.1	3
188	Ordering and criticality in an underscreened Kondo chain. Physical Review B, 2013, 87, .	1.1	2
189	On the isotropic-nematic transition for polymers in liquid crystals. Journal De Physique, I, 1992, 2, 263-272.	1.2	2
190	Deconfined Quantum Critical Points. , 2010, , 333-343.		2
191	Problems with the vortex-boson mapping in 1+1 dimensions. Physical Review B, 1995, 51, 15610-15612.	1.1	1
192	Reaching for the stars. Nature Materials, 2010, 9, 963-964.	13.3	0
193	Deconfined Quantum Critical Points. , 2016, , 469-479.		0