

# Ashvin Vishwanath

## List of Publications by Year in descending order

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170  
papers

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8159

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173  
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times ranked

13950  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological semimetal and Fermi-arc surface states in the electronic structure of pyrochlore iridates. <i>Physical Review B</i> , 2011, 83, .	1.1	3,845
2	Deconfined Quantum Critical Points. <i>Science</i> , 2004, 303, 1490-1494.	6.0	1,068
3	Hydrodynamic Focusing on a Silicon Chip: Mixing Nanoliters in Microseconds. <i>Physical Review Letters</i> , 1998, 80, 3863-3866.	2.9	790
4	Observation of a discrete time crystal. <i>Nature</i> , 2017, 543, 217-220.	13.7	764
5	Observation of polar vortices in oxide superlattices. <i>Nature</i> , 2016, 530, 198-201.	13.7	682
6	Quantum criticality beyond the Landau-Ginzburg-Wilson paradigm. <i>Physical Review B</i> , 2004, 70, .	1.1	621
7	Symmetry-based indicators of band topology in the 230 space groups. <i>Nature Communications</i> , 2017, 8, 50.	5.8	524
8	Comprehensive search for topological materials using symmetry indicators. <i>Nature</i> , 2019, 566, 486-489.	13.7	518
9	Dirac Fermions in Solids: From High-T <sub>c</sub> Cuprates and Graphene to Topological Insulators and Weyl Semimetals. <i>Annual Review of Condensed Matter Physics</i> , 2014, 5, 83-112.	5.2	495
10	Origin of Magic Angles in Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2019, 122, 106405.	2.9	464
11	Quantum oscillations from surface Fermi arcs in Weyl and Dirac semimetals. <i>Nature Communications</i> , 2014, 5, 5161.	5.8	448
12	Origin of Mott Insulating Behavior and Superconductivity in Twisted Bilayer Graphene. <i>Physical Review X</i> , 2018, 8, .	2.8	428
13	Landau quantization and quasiparticle interference in the three-dimensional Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> . <i>Nature Materials</i> , 2014, 13, 851-856.	13.3	421
14	Tunable spin-polarized correlated states in twisted double bilayer graphene. <i>Nature</i> , 2020, 583, 221-225.	13.7	385
15	One-dimensional topologically protected modes in topological insulators with lattice dislocations. <i>Nature Physics</i> , 2009, 5, 298-303.	6.5	337
16	Probing the Chiral Anomaly with Nonlocal Transport in Three-Dimensional Topological Semimetals. <i>Physical Review X</i> , 2014, 4, .	2.8	308
17	Probing topological spin liquids on a programmable quantum simulator. <i>Science</i> , 2021, 374, 1242-1247.	6.0	293
18	Transport evidence for Fermi-arc-mediated chirality transfer in the Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> . <i>Nature</i> , 2016, 535, 266-270.	13.7	292

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19	Operator Spreading and the Emergence of Dissipative Hydrodynamics under Unitary Evolution with Conservation Laws. <i>Physical Review X</i> , 2018, 8, .	2.8	280
20	Faithful tight-binding models and fragile topology of magic-angle bilayer graphene. <i>Physical Review B</i> , 2019, 99, .	1.1	278
21	Electric field-tunable superconductivity in alternating-twist magic-angle trilayer graphene. <i>Science</i> , 2021, 371, 1133-1138.	6.0	261
22	Quasiparticle statistics and braiding from ground-state entanglement. <i>Physical Review B</i> , 2012, 85, .	1.1	260
23	Band structure of twisted bilayer graphene: Emergent symmetries, commensurate approximants, and Wannier obstructions. <i>Physical Review B</i> , 2018, 98, .	1.1	254
24	Modulation Instability of Incoherent Beams in Noninstantaneous Nonlinear Media. <i>Physical Review Letters</i> , 2000, 84, 467-470.	2.9	236
25	Fragile Topology and Wannier Obstructions. <i>Physical Review Letters</i> , 2018, 121, 126402.	2.9	236
26	Realization of a three-dimensional spin-anisotropic harmonic honeycomb iridate. <i>Nature Communications</i> , 2014, 5, 4203.	5.8	230
27	Emergent Space-Time Supersymmetry at the Boundary of a Topological Phase. <i>Science</i> , 2014, 344, 280-283.	6.0	224
28	Supersolid Order from Disorder: Hard-Core Bosons on the Triangular Lattice. <i>Physical Review Letters</i> , 2005, 95, 127207.	2.9	216
29	Quantized response and topology of magnetic insulators with inversion symmetry. <i>Physical Review B</i> , 2012, 85, .	1.1	215
30	Emergent photons and transitions in the $O(3)$ sigma model with hedgehog suppression. <i>Physical Review B</i> , 2004, 70, .	1.1	213
31	Spin-liquid states on the triangular and Kagomé lattices: A projective-symmetry-group analysis of Schwinger boson states. <i>Physical Review B</i> , 2006, 74, .	1.1	203
32	Non-Abelian Topological Order on the Surface of a 3D Topological Superconductor from an Exactly Solved Model. <i>Physical Review X</i> , 2013, 3, .	2.8	201
33	Entanglement and inversion symmetry in topological insulators. <i>Physical Review B</i> , 2010, 82, .	1.1	197
34	Structure and topology of band structures in the 1651 magnetic space groups. <i>Science Advances</i> , 2018, 4, eaat8685.	4.7	194
35	Theory of the Helical Spin Crystal: A Candidate for the Partially Ordered State of MnSi. <i>Physical Review Letters</i> , 2006, 96, 207202.	2.9	186
36	Ground State and Hidden Symmetry of Magic-Angle Graphene at Even Integer Filling. <i>Physical Review X</i> , 2020, 10, .	2.8	184

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37	Symmetry Indicators and Anomalous Surface States of Topological Crystalline Insulators. Physical Review X, 2018, 8, .	2.8	183
38	Classification of Interacting Topological Floquet Phases in One Dimension. Physical Review X, 2016, 6, .	2.8	181
39	Localization and topology protected quantum coherence at the edge of hot matter. Nature Communications, 2015, 6, 7341.	5.8	171
40	Theory of correlated insulating behaviour and spin-triplet superconductivity in twisted double bilayer graphene. Nature Communications, 2019, 10, 5333.	5.8	171
41	Particle-vortex duality of two-dimensional Dirac fermion from electric-magnetic duality of three-dimensional topological insulators. Physical Review B, 2016, 93, .	1.1	160
42	Fractional Chern insulators in magic-angle twisted bilayer graphene. Nature, 2021, 600, 439-443.	13.7	158
43	Magic angle hierarchy in twisted graphene multilayers. Physical Review B, 2019, 100, .	1.1	156
44	Topological order and absence of band insulators at integer filling in non-symmorphic crystals. Nature Physics, 2013, 9, 299-303.	6.5	148
45	Anomalous Aharonov-Bohm Conductance Oscillations from Topological Insulator Surface States. Physical Review Letters, 2010, 105, 206601.	2.9	146
46	Symmetry-protected topological phases from decorated domain walls. Nature Communications, 2014, 5, 3507.	5.8	142
47	Efficient topological materials discovery using symmetry indicators. Nature Physics, 2019, 15, 470-476.	6.5	142
48	Filling constraints for spin-orbit coupled insulators in symmorphic and nonsymmorphic crystals. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14551-14556.	3.3	136
49	Topological insulators in three dimensions from spontaneous symmetry breaking. Physical Review B, 2009, 79, .	1.1	133
50	Superconductivity from valley fluctuations and approximate SO(4) symmetry in a weak coupling theory of twisted bilayer graphene. Npj Quantum Materials, 2019, 4, .	1.8	133
51	Noncoplanar and Counterrotating Incommensurate Magnetic Order Stabilized by Kitaev Interactions in $\text{LiFePO}_4$ . Physical Review Letters, 2014, 113, 197209.	2.9	132
52	Doping a spin-orbit Mott insulator: Topological superconductivity from the Kitaev-Heisenberg model and possible application to $\text{Na}_2\text{IrO}_4$ . Physical Review Letters, 2014, 113, 197209.	1.1	131
53	Symmetry enforced non-Abelian topological order at the surface of a topological insulator. Physical Review B, 2014, 89, .	1.1	130
54	Kitaev-Heisenberg models for iridates on the triangular, hyperkagome, kagome, fcc, and pyrochlore lattices. Physical Review B, 2014, 89, .	1.1	129

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55	Two-Dimensional Anisotropic Non-Fermi-Liquid Phase of Coupled Luttinger Liquids. Physical Review Letters, 2001, 86, 676-679.	2.9	126
56	Inhomogeneous Weyl and Dirac Semimetals: Transport in Axial Magnetic Fields and Fermi Arc Surface States from Pseudo-Landau Levels. Physical Review X, 2016, 6, .	2.8	125
57	Chiral topological insulators, superconductors, and other competing orders in three dimensions. Physical Review B, 2010, 81, .	1.1	122
58	Fractional Chern insulator states in twisted bilayer graphene: An analytical approach. Physical Review Research, 2020, 2, .	1.3	120
59	Translational Symmetry and Microscopic Constraints on Symmetry-Enriched Topological Phases: A View from the Surface. Physical Review X, 2016, 6, .	2.8	119
60	Computational Design of Axion Insulators Based on $\langle \mathbf{d} \cdot \mathbf{L} \rangle$ Spinel Compounds. Physical Review Letters, 2012, 108, 146601.	2.9	115
61	Filling-Enforced Gaplessness in Band Structures of the 230 Space Groups. Physical Review Letters, 2016, 117, 096404.	2.9	115
62	Topological Correspondence between Hermitian and Non-Hermitian Systems: Anomalous Dynamics. Physical Review Letters, 2019, 123, 206404.	2.9	113
63	Quantum criticality and deconfinement in phase transitions between valence bond solids. Physical Review B, 2004, 69, .	1.1	112
64	Chiral Floquet Phases of Many-Body Localized Bosons. Physical Review X, 2016, 6, .	2.8	111
65	The half-filled Landau level: The case for Dirac composite fermions. Science, 2016, 352, 197-201.	6.0	111
66	Three-dimensional quantum spin liquids in models of harmonic-honeycomb iridates and phase diagram in an infinite- $D$ approximation. Physical Review B, 2014, 90, .	1.1	110
67	Charged skyrmions and topological origin of superconductivity in magic-angle graphene. Science Advances, 2021, 7, .	4.7	109
68	Exactly soluble model of a three-dimensional symmetry-protected topological phase of bosons with surface topological order. Physical Review B, 2014, 90, .	1.1	101
69	Self-organized error correction in random unitary circuits with measurement. Physical Review B, 2021, 103, .	1.1	99
70	Floquet Symmetry-Protected Topological Phases in Cold-Atom Systems. Physical Review Letters, 2017, 119, 123601.	2.9	94
71	Nematic topological semimetal and insulator in magic-angle bilayer graphene at charge neutrality. Physical Review Research, 2021, 3, .	1.3	93
72	Fractional Topological Phases and Broken Time-Reversal Symmetry in Strained Graphene. Physical Review Letters, 2012, 108, 266801.	2.9	90

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73	Anomalous Symmetry Fractionalization and Surface Topological Order. Physical Review X, 2015, 5, .	2.8	90
74	Topological Spin Liquid on the Hyperkagome Lattice of $\text{Na}_4\text{O}_8$ . Physical Review Letters, 2008, 100, 227201.	1.3	86
75	Chirality induced anomalous-Hall effect in helical spin crystals. Physica B: Condensed Matter, 2008, 403, 1336-1340.	6.0	82
76	Revealing hidden spin-momentum locking in a high-temperature cuprate superconductor. Science, 2018, 362, 1271-1275.	6.5	78
77	Unconventional sequence of correlated Chern insulators in magic-angle twisted bilayer graphene. Nature Physics, 2021, 17, 1210-1215.	2.8	77
78	Prediction of Toric Code Topological Order from Rydberg Blockade. Physical Review X, 2021, 11, .	6.5	74
79	Emergent Dirac fermions and broken symmetries in confined and deconfined phases of Z2 gauge theories. Nature Physics, 2017, 13, 484-490.	1.1	72
80	Extending Luttinger's theorem to Z2 fractionalized phases of matter. Physical Review B, 2004, 70, .	2.9	71
81	Nematic Order by Disorder in Spin-2 Bose-Einstein Condensates. Physical Review Letters, 2007, 98, 190404.	1.1	70
82	Epitaxy-distorted spin-orbit Mott insulator in Sr $\text{IrO}_4$ thin films. Physical Review B, 2013, 87, .	1.1	70
83	and $\text{Li}_2\text{IrO}_3$ . Physical Review Letters, 2007, 99, 117004.	1.1	70
84	Nernst Effect and Diamagnetism in Phase Fluctuating Superconductors. Physical Review Letters, 2007, 99, 117004.	2.9	68
85	Quantum oscillations from generic surface Fermi arcs and bulk chiral modes in Weyl semimetals. Scientific Reports, 2016, 6, 23741.	1.6	68
86	Strain-induced nonsymmorphic symmetry breaking and removal of Dirac semimetallic nodal line in an orthoperovskite iridate. Physical Review B, 2016, 93, .	1.1	67
87	Dynamical signature of fractionalization at a deconfined quantum critical point. Physical Review B, 2018, 98, .	1.1	65
88	Floquet topological phases protected by time glide symmetry. Physical Review B, 2017, 95, .	1.1	64
89	Confinement transition of $\hat{a}_2$ gauge theories coupled to massless fermions: Emergent quantum chromodynamics and $\text{SO}(5)$ symmetry. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6987-E6995.	3.3	64
90	Intrinsic axion insulating behavior in antiferromagnetic $\text{MnBi}$ . Physical Review B, 2020, 102, .	1.1	63

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91	A quantum dipolar spin liquid. Nature Physics, 2018, 14, 405-410.	6.5	62
92	Dynamic Projection on Feshbach Molecules: A Probe of Pairing and Phase Fluctuations. Physical Review Letters, 2005, 95, 110404.	2.9	61
93	Quantum phase transition between integer quantum Hall states of bosons. Physical Review B, 2013, 87, .	1.1	61
94	Radical chiral Floquet phases in a periodically driven Kitaev model and beyond. Physical Review B, 2017, 96, .	1.1	58
95	Riemannian geometry of resonant optical responses. Nature Physics, 2022, 18, 290-295.	6.5	58
96	Shift Insulators: Rotation-Protected Two-Dimensional Topological Crystalline Insulators. Physical Review X, 2019, 9, .	2.8	56
97	Dirac metal to topological metal transition at a structural phase change in $\text{Au}_2\text{Pb}$ and prediction of topology	1.1	55
98	Unifying description of competing orders in two-dimensional quantum magnets. Nature Communications, 2019, 10, 4254.	5.8	54
99	Andreev Bound States as a Phase-Sensitive Probe of the Pairing Symmetry of the Iron Pnictide Superconductors. Physical Review Letters, 2009, 102, 157002.	2.9	50
100	Derivation of Wannier orbitals and minimal-basis tight-binding Hamiltonians for twisted bilayer graphene: First-principles approach. Physical Review Research, 2019, 1, .	1.3	49
101	Deconfined Criticality Critically Defined. Journal of the Physical Society of Japan, 2005, 74, 1-9.	0.7	47
102	Constraints on Topological Order in Mott Insulators. Physical Review Letters, 2015, 114, 077201.	2.9	47
103	Duality and bosonization of $2+1$ -dimensional Majorana fermions. Physical Review B, 2017, 95, .	4.8	47
104	Interacting invariants for Floquet phases of fermions in two dimensions. Physical Review B, 2019, 99, .	1.1	45
105	Topological materials discovery by large-order symmetry indicators. Science Advances, 2019, 5, eaau8725.	4.7	43
106	Criterion for stability of Goldstone modes and Fermi liquid behavior in a metal with broken symmetry. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16314-16318.	3.3	42
107	Symmetric Fermion Mass Generation as Deconfined Quantum Criticality. Physical Review X, 2018, 8, .	2.8	42
108	Topological materials discovery using electron filling constraints. Nature Physics, 2018, 14, 55-61.	6.5	39

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109	SU(4) Chiral Spin Liquid, Exciton Supersolid, and Electric Detection in Moiré Bilayers. Physical Review Letters, 2021, 127, 247701.	2.9	39
110	Noise correlations in low-dimensional systems of ultracold atoms. Physical Review A, 2009, 79, .	1.0	37
111	Featureless and nonfractionalized Mott insulators on the honeycomb lattice at 1/2 site filling. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16378-16383.	3.3	37
112	Thermoelectric Transport Signatures of Dirac Composite Fermions in the Half-Filled Landau Level. Physical Review X, 2016, 6, .	2.8	37
113	Filling-enforced quantum band insulators in spin-orbit coupled crystals. Science Advances, 2016, 2, e1501782.	4.7	36
114	From bosonic topological transition to symmetric fermion mass generation. Physical Review B, 2018, 97, .	1.1	36
115	Time-Resolved Optical Reflectivity of the Electron-Doped $\text{Nd}_2\text{CuO}_4$ Superconductor: Evidence for an Interplay between Competing Orders. Physical Review Letters, 2013, 110, 217002.	2.9	36
116	Entanglement Negativity Spectrum of Random Mixed States: A Diagrammatic Approach. PRX Quantum, 2021, 2, .	3.5	35
117	Flat band in twisted bilayer Bravais lattices. Physical Review Research, 2019, 1, .	1.3	34
118	Topological charge density waves at half-integer filling of a moiré superlattice. Nature Physics, 2022, 18, 42-47.	6.5	34
119	Quantized Thermal Hall Effect in the Mixed State of d-Wave Superconductors. Physical Review Letters, 2001, 87, 217004.	2.9	33
120	Finite-temperature properties of quantum Lifshitz transitions between valence-bond solid phases: An example of local quantum criticality. Physical Review B, 2005, 72, .	1.1	32
121	Superconductivity and nematic fluctuations in a model of doped FeSe monolayers: Determinant quantum Monte Carlo study. Physical Review B, 2016, 94, .	1.1	32
122	From Spinon Band Topology to the Symmetry Quantum Numbers of Monopoles in Dirac Spin Liquids. Physical Review X, 2020, 10, .	2.8	32
123	Intrinsically gapless topological phases. Physical Review B, 2021, 104, .	1.1	32
124	Signatures of a Deconfined Phase Transition on the Shastry-Sutherland Lattice: Applications to Quantum Critical $\text{SrCu}_2\text{BO}_3$ . Physical Review Letters, 2018, 121, 077201.	2.8	32
125	Fermionic Monte Carlo Study of a Realistic Model of Twisted Bilayer Graphene. Physical Review X, 2022, 12, .	2.8	31
126	Family of Ideal Chern Flatbands with Arbitrary Chern Number in Chiral Twisted Graphene Multilayers. Physical Review Letters, 2022, 128, 176404.	2.9	31



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127	Noise Correlations in One-Dimensional Systems of Ultracold Fermions. Physical Review Letters, 2008, 100, 240401.	2.9	30
128	Spectroscopy of a tunable moiré system with a correlated and topological flat band. Nature Communications, 2021, 12, 2732.	5.8	30
129	Kohn-Luttinger superconductivity and intervalley coherence in rhombohedral trilayer graphene. Physical Review B, 2022, 105, .	1.1	30
130	Two-dimensional topological materials discovery by symmetry-indicator method. Physical Review B, 2019, 100, .	1.1	29
131	Phase transitions of $S=1$ spinor condensates in an optical lattice. Physical Review B, 2009, 80, .	1.1	28
132	Wannier Permanent Wave Functions for Featureless Bosonic Mott Insulators on the $\langle \mathbb{Z}^3 \rangle$ -Filled Kagome Lattice. Physical Review Letters, 2013, 110, 125301.	2.9	27
133	Strong coupling theory of magic-angle graphene: A pedagogical introduction. Annals of Physics, 2021, 435, 168646.	1.0	27
134	Emergent Multi-Flavor $\langle \mathbb{Z}^3 \rangle$ at the Plateau Transition between Fractional Chern Insulators: Applications to Graphene Heterostructures. Physical Review X, 2018, 8, .	2.8	25
135	Emergent Spatial Structure and Entanglement Localization in Floquet Conformal Field Theory. Physical Review X, 2020, 10, .	2.8	24
136	Measuring space-group symmetry fractionalization in $\langle \mathbb{Z}^2 \rangle$ spin liquids. Physical Review B, 2017, 96, .	1.1	23
137	Realizing topological surface states in a lower-dimensional flat band. Physical Review B, 2017, 96, .	1.1	22
138	Electric polarization as a nonquantized topological response and boundary Luttinger theorem. Physical Review Research, 2021, 3, .	1.3	22
139	Doped Mott insulators in the triangular-lattice Hubbard model. Physical Review B, 2022, 105, .	1.1	22
140	Vortex-dynamics approach to the Nernst effect in extreme type-II superconductors dominated by phase fluctuations. Physical Review B, 2008, 78, .	1.1	21
141	Periodically, quasiperiodically, and randomly driven conformal field theories. Physical Review Research, 2021, 3, .	1.3	20
142	Observation of Coherent Helimagnons and Gilbert Damping in an Itinerant Magnet. Physical Review Letters, 2012, 109, 247204.	2.9	19
143	Dyonic Lieb-Schultz-Mattis theorem and symmetry protected topological phases in decorated dimer models. Physical Review B, 2018, 98, .	1.1	19
144	Current Noise in the Vicinity of the 2D Superconductor-Insulator Quantum Critical Point. Physical Review Letters, 2006, 97, 227003.	2.9	18

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145	Thermoelectric transport near pair breaking quantum phase transition out of d-wave superconductivity. Physical Review B, 2007, 75, .	1.1	18
146	Anomalous Fermi-liquid phase in metallic skyrmion crystals. Physical Review B, 2014, 90, .	1.1	18
147	Towards Gauging Time-Reversal Symmetry: A Tensor Network Approach. Physical Review X, 2015, 5, .	2.8	18
148	Unification of bosonic and fermionic theories of spin liquids on the kagome lattice. Physical Review B, 2017, 96, .	1.1	17
149	Ordering near the percolation threshold in models of two-dimensional interacting bosons with quenched dilution. Physical Review B, 2006, 73, .	1.1	16
150	Magnetic impurities at quantum critical points: Large- $N$ expansion and connections to symmetry-protected topological states. Physical Review B, 2021, 104, .	1.1	16
151	Weak-Field Thermal Hall Conductivity in the Mixed State of d-Wave Superconductors. Physical Review Letters, 2003, 90, 187002.	2.9	15
152	Screening and dissipation at the superconductor-insulator transition induced by a metallic ground plane. Physical Review B, 2004, 69, .	1.1	15
153	Fermionic Hopf solitons and Berry phase in topological surface superconductors. Physical Review B, 2011, 84, .	1.1	15
154	Equality of Bulk Wave Functions and Edge Correlations in Some Topological Superconductors: A Spacetime Derivation. Physical Review Letters, 2011, 107, 106803.	2.9	15
155	Space Group Symmetry Fractionalization in a Chiral Kagome Heisenberg Antiferromagnet. Physical Review Letters, 2016, 116, 197203.	2.9	15
156	Unusual magnetotransport in twisted bilayer graphene. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118482119.	3.3	13
157	Mean-Field Scaling of the Superfluid to Mott Insulator Transition in a 2D Optical Superlattice. Physical Review Letters, 2017, 119, 100402.	2.9	12
158	Infinite family of three-dimensional Floquet topological paramagnets. Physical Review B, 2018, 97, .	1.1	12
159	Breaking through to the other side. Nature Physics, 2010, 6, 566-567.	6.5	10
160	Possible scale invariant linear magnetoresistance in pyrochlore iridates $\text{Bi}_2\text{O}_7$ . New Journal of Physics, 2019, 21, 113041.	1.2	8
161	Symmetry constraints on superconductivity in twisted bilayer graphene: Fractional vortices, condensates, or nonunitary pairing. Physical Review B, 2022, 105, .	1.1	8
162	$\text{XFe}_4\text{Ge}_2$ ( $\text{X}=\text{Y}, \text{Lu}$ ) and $\text{Mn}_3\text{Pt}$ : Filling-enforced magnetic topological metals. Physical Review B, 2020, 101, .	1.1	5

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163	Time reversal invariant gapped boundaries of the double semion state. Physical Review B, 2016, 93, .	1.1	4
164	Electric Field-Induced Skyrmion Crystals via Charged Monopoles in Insulating Helimagnets. Journal of the Physical Society of Japan, 2016, 85, 064707.	0.7	3
165	Building symmetry-enriched topological phases from a bipartite lattice construction and anyon condensation. Physical Review B, 2018, 98, .	1.1	3
166	Theoretical proposal predicting anomalous magnetoresistance and quadratic Hall effect in the partially ordered state of MnSi. Journal of Magnetism and Magnetic Materials, 2007, 310, 1062-1064.	1.0	2
167	Deconfined Quantum Critical Points. , 2010, , 333-343.		2
168	Topological descendants of a multicritical Dirac semimetal with magnetism and strain. Physical Review B, 2021, 104, .	1.1	2
169	Deconfined Quantum Critical Points. , 2016, , 469-479.		0
170	Topological invariants of a filling-enforced quantum band insulator. Physical Review B, 2021, 104, .	1.1	0