Yuxin Zhao

List of Publications by Year
in descending order

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		257450	265206
43	2,229	24	42
papers	citations	h-index	g-index

43	43	43	1721
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Second-Order Real Nodal-Line Semimetal in Three-Dimensional Graphdiyne. Physical Review Letters, 2022, 128, 026405.	7.8	34
2	Tensor theory for higher-dimensional Chern insulators with large Chern numbers. Physical Review B, 2022, 105, .	3.2	2
3	Phononic real Chern insulator with protected corner modes in graphynes. Physical Review B, 2022, 105, .	3.2	16
4	Projectively Enriched Symmetry and Topology in Acoustic Crystals. Physical Review Letters, 2022, 128, 116802.	7.8	39
5	Brillouin Klein bottle from artificial gauge fields. Nature Communications, 2022, 13, 2215.	12.8	14
6	Index Theorem on Chiral Landau Bands for Topological Fermions. Physical Review Letters, 2021, 126, 046401.	7.8	14
7	Switching Spinless and Spinful Topological Phases with Projective <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:mrow></mml:math> Symmetry. Physical Review Letters, 2021, 126, 196402.	7.8	30
8	Gauge-Field Extended <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>k</mml:mi><mml:mo>Â·</mml:mo><mml:mi>p</mml:mi></mml:mrow></mml:math> Method and Novel Topological Phases. Physical Review Letters, 2021, 127, 076401.	7.8	24
9	Graphyne as a second-order and real Chern topological insulator in two dimensions. Physical Review B, 2021, 104, .	3.2	30
10	Takagi topological insulator with odd PT pairs of corner states. Physical Review B, 2021, 104, .	3.2	4
11	Emergent Kondo Behavior from Gauge Fluctuations in Spin Liquids. Physical Review Letters, 2021, 127, 237202.	7.8	7
12	Colossal angular magnetoresistance in the antiferromagnetic semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>EuTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml Physical Review B, 2021, 104, .	3.2	15
13	Equivariant PT-symmetric real Chern insulators. Frontiers of Physics, 2020, 15, 1.	5.0	6
14	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="double-struck">Z</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> -projective translational symmetry protected topological phases. Physical Review B, 2020, 102, .	3.2	29
15	Boundary Criticality of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">PT</mml:mi></mml:mrow></mml:math> -Invariant Topology and Second-Order Nodal-Line Semimetals. Physical Review Letters, 2020, 125, 126403.	7.8	53
16	Higher-order Dirac fermions in three dimensions. Physical Review B, 2020, 101, .	3.2	56
17	4D spinless topological insulator in a periodic electric circuit. National Science Review, 2020, 7, 1288-1295.	9.5	69
18	Locking of symmetry breaking and topological phase in an interacting fermionic wire. Physical Review Research, 2020, 2, .	3.6	1

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19	Circumventing the no-go theorem: A single Weyl point without surface Fermi arcs. Physical Review B, 2019, 100, .	3.2	50
20	Topology and exceptional points of massive Dirac models with generic non-Hermitian perturbations. Physical Review B, 2019, 99, .	3.2	38
21	Quadratic and cubic nodal lines stabilized by crystalline symmetry. Physical Review B, 2019, 99, .	3.2	89
22	Two-Dimensional Second-Order Topological Insulator in Graphdiyne. Physical Review Letters, 2019, 123, 256402.	7.8	193
23	Simulation and Manipulation of Tunable Weyl-Semimetal Bands Using Superconducting Quantum Circuits. Physical Review Letters, 2019, 122, 010501.	7.8	28
24	Topological transport in Dirac nodal-line semimetals. Physical Review B, 2018, 97, .	3.2	66
25	Nodal surface semimetals: Theory and material realization. Physical Review B, 2018, 97, .	3.2	248
26	Topological quantum matter with cold atoms. Advances in Physics, 2018, 67, 253-402.	14.4	198
27	Effective long-range pairing and hopping in topological nanowires weakly coupled to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math> -wave superconductors. Physical Review B, 2018, 98, .	3.2	7
28	Quadratic contact point semimetal: Theory and material realization. Physical Review B, 2018, 98, .	3.2	57
29	Spin Direction-Controlled Electronic Band Structure in Two-Dimensional Ferromagnetic CrI₃. Nano Letters, 2018, 18, 3844-3849.	9.1	150
30	Nodal line fermions in magnetic oxides. Physical Review B, 2018, 97, .	3.2	24
31	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:math>-Symmetric Real Dirac Fermions and Semimetals. Physical Review Letters, 2017, 118, 056401.	7.8	85
32	Realizing universal quantum gates with topological bases in quantum-simulated superconducting chains. Npj Quantum Information, 2017, 3, .	6.7	3
33	Realizing and manipulating space-time inversion symmetric topological semimetal bands with superconducting quantum circuits. Npj Quantum Materials, 2017, 2, .	5.2	20
34	Quantum simulation of exotic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-invariant topological nodal loop bands with ultracold atoms in an optical lattice. Physical Review A, 2016, 93, .	2.5	50
35	Unified Theory of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math>Invariant Topological Metals and Nodal Superconductors. Physical Review Letters, 2016, 116, 156402.	7.8	127
36	NovelZ2Topological Metals and Semimetals. Physical Review Letters, 2016, 116, 016401.	7.8	19

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37	Nonsymmorphic symmetry-required band crossings in topological semimetals. Physical Review B, 2016, 94, .	3.2	84
38	General response theory of topologically stable Fermi points and its implications for disordered cases. Physical Review B, 2015, 92, .	3.2	3
39	Disordered Weyl Semimetals and Their Topological Family. Physical Review Letters, 2015, 114, 206602.	7.8	22
40	Topological connection between the stability of Fermi surfaces and topological insulators and superconductors. Physical Review B, 2014, 89, .	3.2	46
41	Exotic topological types of Majorana zero modes and their universal quantum manipulation. Physical Review B, 2014, 90, .	3.2	21
42	Topological Classification and Stability of Fermi Surfaces. Physical Review Letters, 2013, 110, 240404.	7.8	158
43	Takagi Topological Insulator on the Honeycomb Lattice. Frontiers in Physics, 0, 10, .	2.1	0