

# Zhong Wang

## List of Publications by Year in descending order

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papers

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citations

147801

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44  
docs citations

44  
times ranked

3218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Hermitian Edge Burst. Physical Review Letters, 2022, 128, 120401.	7.8	44
2	Solving the Liouvillian Gap with Artificial Neural Networks. Physical Review Letters, 2021, 126, 160401.	7.8	13
3	Observation of Non-Bloch Parity-Time Symmetry and Exceptional Points. Physical Review Letters, 2021, 126, 230402.	7.8	100
4	Simple formulas of directional amplification from non-Bloch band theory. Physical Review B, 2021, 103, .	3.2	56
5	Generalized Brillouin zone and non-Hermitian band theory. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 230307.	0.5	4
6	Dirac-vortex topological cavities. Nature Nanotechnology, 2020, 15, 1012-1018.	31.5	95
7	Non-Hermitian bulk–boundary correspondence in quantum dynamics. Nature Physics, 2020, 16, 761-766.	16.7	491
8	Non-Hermitian Skin Effect and Chiral Damping in Open Quantum Systems. Physical Review Letters, 2019, 123, 170401.	7.8	328
9	Non-Hermitian Topological Invariants in Real Space. Physical Review Letters, 2019, 123, 246801.	7.8	274
10	Experimental discovery of nodal chains. Nature Physics, 2018, 14, 461-464.	16.7	141
11	Topological one-way fiber of second Chern number. Nature Communications, 2018, 9, 5384.	12.8	82
12	Non-Hermitian Chern Bands. Physical Review Letters, 2018, 121, 136802.	7.8	593
13	Majorana Corner Modes in a High-Temperature Platform. Physical Review Letters, 2018, 121, 096803.	7.8	210
14	Chiral Landau levels in Weyl semimetal NbAs with multiple topological carriers. Nature Communications, 2018, 9, 1854.	12.8	37
15	Edge States and Topological Invariants of Non-Hermitian Systems. Physical Review Letters, 2018, 121, 086803.	7.8	1,148
16	Floquet multi-Weyl points in crossing-nodal-line semimetals. Physical Review B, 2017, 96, .	3.2	48
17	Nodal-knot semimetals. Physical Review B, 2017, 96, .	3.2	158
18	Topological invariants of Floquet systems: General formulation, special properties, and Floquet topological defects. Physical Review B, 2017, 96, .	3.2	123

#	ARTICLE	IF	CITATIONS
19	Majorana Zero Modes Protected by a Hopf Invariant in Topologically Trivial Superconductors. Physical Review Letters, 2017, 118, 147003.	7.8	28
20	Nodal-link semimetals. Physical Review B, 2017, 96, .	3.2	232
21	Topological defects in Floquet systems: Anomalous chiral modes and topological invariant. Physical Review B, 2017, 95, .	3.2	10
22	Topological magnetoplasmon. Nature Communications, 2016, 7, 13486.	12.8	108
23	Tunable Weyl Points in Periodically Driven Nodal Line Semimetals. Physical Review Letters, 2016, 117, 087402.	7.8	180
24	Collective modes in nodal line semimetals. Physical Review B, 2016, 93, .	3.2	53
25	Zeeman splitting and dynamical mass generation in Dirac semimetal ZrTe5. Nature Communications, 2016, 7, 12516.	12.8	149
26	Signature of chiral fermion instability in the Weyl semimetal TaAs above the quantum limit. Physical Review B, 2016, 94, .	3.2	29
27	Unidirectional transport in electronic and photonic Weyl materials by Dirac mass engineering. Physical Review B, 2015, 92, .	3.2	26
28	Helical Spin Order from Topological Dirac and Weyl Semimetals. Physical Review Letters, 2015, 115, 076802.	7.8	29
29	Topological Superfluid and Majorana Zero Modes in Synthetic Dimension. Scientific Reports, 2015, 5, 15927.	3.3	16
30	Interaction of electrons, magnetic monopoles, and photons. Physical Review D, 2015, 91, .	4.7	3
31	Fractionalized (Weyl-)semi-metals and superconductors in three dimensions. Physica B: Condensed Matter, 2015, 475, 80-85.	2.7	4
32	Magnetic-order-driven topological transition in the Haldane-Hubbard model. Physical Review B, 2015, 91, .	3.2	36
33	Topological number and fermion Green's function for strongly interacting topological superconductors. Physical Review B, 2014, 90, .	3.2	21
34	Topological Invariants and Ground-State Wave functions of Topological Insulators on a Torus. Physical Review X, 2014, 4, .	8.9	20
35	Chiral anomaly, charge density waves, and axion strings from Weyl semimetals. Physical Review B, 2013, 87, .	3.2	184
36	Topological Hamiltonian as an exact tool for topological invariants. Journal of Physics Condensed Matter, 2013, 25, 155601.	1.8	62

#	ARTICLE	IF	CITATIONS
37	Simplified Topological Invariants for Interacting Insulators. <i>Physical Review X</i> , 2012, 2, .	8.9	187
38	Strongly correlated topological superconductors and topological phase transitions via Green's function. <i>Physical Review B</i> , 2012, 86, .	3.2	54
39	Topological invariants for interacting topological insulators with inversion symmetry. <i>Physical Review B</i> , 2012, 85, .	3.2	71
40	Topological field theory and thermal responses of interacting topological superconductors. <i>Physical Review B</i> , 2011, 84, .	3.2	98
41	Equivalent topological invariants of topological insulators. <i>New Journal of Physics</i> , 2010, 12, 065007.	2.9	81
42	Topological Order Parameters for Interacting Topological Insulators. <i>Physical Review Letters</i> , 2010, 105, 256803.	7.8	170
43	Formation and Photoresponsive Properties of Giant Microvesicles Assembled from Azobenzene-Containing Amphiphilic Diblock Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 955-963.	2.2	47