Wei Chen

List of Publications by Year
in descending order

35 papers	550 citations	840776 11 h-index	642732 23 g-index
35 all docs	35 docs citations	35 times ranked	662 citing authors

#	Article	IF	Citations
1	Quantum transport in topological nodal-line semimetals. Advances in Physics: X, 2022, 7, .	4.1	5
2	Anomalous Andreev reflection on a torus-shaped Fermi surface. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	8
3	Andreev reflection in Fermi-arc surface states of Weyl semimetals. Physical Review B, 2021, 104, .	3.2	7
4	Aharonov-Bohm effect in three-dimensional higher-order topological insulators. Physical Review B, 2021, 104, .	3.2	7
5	Sign reversal of magnetoresistivity in massive nodal-line semimetals due to the Lifshitz transition of the Fermi surface. Physical Review B, 2021, 104, .	3.2	4
6	Conductance oscillation in surface junctions of Weyl semimetals. Physical Review B, 2021, 104, .	3.2	2
7	Theoretical study of the three-dimensional quantum Hall effect in a periodic electron system. Physical Review B, 2021, 104, .	3.2	3
8	Random-Gate-Voltage Induced Alâ€™tshulerâ€“Aronovâ€“Spivak Effect in Topological Edge States. Chinese Physics Letters, 2021, 38, 110302.	3.3	2
9	Detection of Fermi arcs in Weyl semimetals through surface negative refraction. Physical Review B, 2020, 101, .	3.2	7
10	Field-effect transistor based on surface negative refraction in Weyl nanowire. APL Materials, 2020, 8, .	5.1	6
11	Electron-Hole Interference in an Inverted-Band Semiconductor Bilayer. Physical Review X, 2020, 10, .	8.9	10
12	Weak Localization and Antilocalization in Nodal-Line Semimetals: Dimensionality and Topological Effects. Physical Review Letters, 2019, 122, 196603.	7.8	48
13	Engineering chiral edge states in two-dimensional topological insulator/ferromagnetic insulator heterostructures. Physical Review B, 2019, 99, .	3.2	6
14	Impurity-induced resonant states in topological nodal-line semimetals. Physical Review B, 2019, 100, .	3.2	5
15	Interaction-Driven Surface Chern Insulator in Nodal Line Semimetals. Physical Review Letters, 2019, 122, 016803.	7.8	21
16	Hidden antiunitary symmetry behind â€œaccidentalâ€•degeneracy and its protection of degeneracy. Frontiers of Physics, 2018, 13, 1.	5.0	10
17	Proposal for Detecting Nodal-Line Semimetal Surface States with Resonant Spin-Flipped Reflection. Physical Review Letters, 2018, 121, 166802.	7.8	37
18	Hidden symmetry-protected Z2 topological insulator in a cubic lattice. Physical Review B, 2017, 96, .	3.2	4

#	Article	IF	Citations
19	Topological semimetals with a double-helix nodal link. Physical Review B, 2017, 96, .	3.2	157
20	Probing the valley filtering effect by Andreev reflection in a zigzag graphene nanoribbon with a ballistic point contact. Physical Review B, 2017, 96, .	3.2	9
21	Weyl semimetals in optical lattices: moving and merging of Weyl points, and hidden symmetry at Weyl points. Scientific Reports, 2016, 6, 33512.	3.3	11
22	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Ï€</mml:mi></mml:mrow></mml:math>Spin Berry Phase in a Quantum-Spin-Hall-Insulator-Based Interferometer: Evidence for the Helical Spin Texture of the Edge States. Physical Review Letters, 2016, 117, 076802.	7.8	13
23	Hidden-symmetry-protected quantum pseudoâ€“spin Hall effect in optical lattices. Physical Review A, 2016, 93, .	2.5	4
24	Universal anyons at the irradiated surface of topological insulator. Scientific Reports, 2016, 6, 20075.	3.3	1
25	Fractional fermions induced by spatially varying Zeeman fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 783-788.	2.1	0
26	Hidden symmetry and protection of Dirac points on the honeycomb lattice. Scientific Reports, 2015, 5, 17571.	3.3	15
27	Long-range Cooper pair splitter with high entanglement production rate. Scientific Reports, 2015, 5, 7607.	3.3	14
28	Detecting Fuldeâ€“Ferrell superconductors by an Andreev interferometer. New Journal of Physics, 2014, 16, 083024.	2.9	5
29	All-electrically reading out and initializing topological qubits with quantum dots. Chinese Physics B, 2014, 23, 030309.	1.4	5
30	Quantum computing through electron propagation in edge states of quantum spin Hall systems. European Physical Journal B, 2014, 87, 1.	1.5	2
31	Probing spin entanglement by gate-voltage-controlled interference of current correlation in quantum spin Hall insulators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1893-1896.	2.1	3
32	Quantitatively probing two-electron entanglement with a spintronic quantum eraser. Physical Review B, 2013, 87, .	3.2	7
33	Specular Andreev reflection in inversion-symmetric Weyl semimetals. Europhysics Letters, 2013, 103, 27006.	2.0	52
34	Electron Entanglement Detected by Quantum Spin Hall Systems. Physical Review Letters, 2012, 109, 036802.	7.8	30
35	Resonant nonlocal Andreev reflection in a narrow quantum spin Hall system. Physical Review B, 2011, 84, .	3.2	30