

Zhong-Kai Liu

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

10,310
citations

361296

20
h-index

377752

34
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38
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docs citations

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times ranked

11103
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observation of the spin-orbit coupling effect in magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . Npj Quantum Materials, 2022, 7, .	1.8	16
2	Observation of nontrivial topological electronic structure of orthorhombic SnSe. Physical Review Materials, 2022, 6, .	0.9	0
3	Observation of dimension-crossover of a tunable 1D Dirac fermion in topological semimetal Nb ₆ Sn ₆ Te ₂ . Npj Quantum Materials, 2022, 7, .	1.8	7
4	Measurement of electronic structure and surface reconstruction in the superionic Cu _{2-x} Te. Physical Review B, 2021, 103, .	1.1	2
5	Observation of topological Dirac fermions and surface states in superconducting Ba _{1-x} Bi _x Te. Physical Review B, 2021, 103, .		
6	Observation of topological superconductivity in a stoichiometric transition metal dichalcogenide 2H-NbSe ₂ . Nature Communications, 2021, 12, 2874.	5.8	43
7	Evidence of a topological edge state in a superconducting nonsymmorphic nodal-line semimetal. Physical Review B, 2021, 103, .	1.1	10
8	Measurement of Superconductivity and Edge States in Topological Superconductor Candidate TaSe ₃ . Chinese Physics Letters, 2021, 38, 077302.	1.3	4
9	Direct Visualization and Manipulation of Tunable Quantum Well State in Semiconducting Nb ₂ SiTe ₄ . ACS Nano, 2021, 15, 15850-15857.	7.3	2
10	Band-selective Holstein polaron in Luttinger liquid material A _{0.3} MoO ₃ (A = K, Rb). Nature Communications, 2021, 12, 6183.	5.8	13
11	Magnetism-induced topological transition in EuAs ₃ . Nature Communications, 2021, 12, 6970.	5.8	17
12	Observation of electronic structure and electron-boson coupling in the low-dimensional superconductor Ta ₄ . Physical Review B, 2021, 104, .	1.1	2
13	Observation of topological Dirac semimetal CaAl ₂ Si ₂ . Physical Review B, 2020, 102, .	1.1	9
14	Observation of Topological Electronic Structure in Quasi-1D Superconductor TaSe ₃ . Matter, 2020, 3, 2055-2065.	5.0	26
15	Topological Lifshitz transition of the intersurface Fermi-arc loop in NbIrTe ₄ . Physical Review B, 2020, 102, .		
16	Magnetic exchange induced Weyl state in a semimetal EuCd ₂ Sb ₂ . APL Materials, 2020, 8, .	2.2	37
17	Topological Lifshitz transitions and Fermi arc manipulation in Weyl semimetal NbAs. Nature Communications, 2019, 10, 3478.	5.8	41
18	Unveiling Electronic Correlation and the Ferromagnetic Superexchange Mechanism in the van der Waals Crystal CrSiTe ₃ . Physical Review Letters, 2019, 123, 047203.	2.9	52

#	ARTICLE	IF	CITATIONS
19	Magnetic Weyl semimetal phase in a KagomÃ© crystal. Science, 2019, 365, 1282-1285.	6.0	518
20	Folded superstructure and degeneracy-enhanced band gap in the weak-coupling charge density wave system <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mrow><mn>2</mn></mrow></math> Physical Review B, 2018, 97, .	1.1	27
21	Experimental observation of conductive edge states in weak topological insulator candidate HfTe5. APL Materials, 2018, 6, .	2.2	19
22	Signature of type-II Weyl semimetal phase in MoTe2. Nature Communications, 2017, 8, 13973.	5.8	358
23	Ubiquitous strong electron-phonon coupling at the interface of FeSe/SrTiO3. Nature Communications, 2017, 8, 14468.	5.8	51
24	Dirac line nodes and effect of spin-orbit coupling in the nonsymmorphic critical semimetals <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mrow><mi>M</mi><mi>Si</mi><mspace width="0.16em"/></mrow></math> Physical Review B, 2017, 96, .	1.1	131
25	Photoemission study of the electronic structure of valence band convergent SnSe. Physical Review B, 2017, 96, .	1.1	30
26	Observation of the topological surface state in the nonsymmorphic topological insulator KHgSb. Physical Review B, 2017, 96, .	1.1	21
27	Topological origin of the type-II Dirac fermions in <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mi>PtSe</mi><msub><mrow><mn>2</mn></mrow></msub></math>. Physical Review Materials, 2017, 1, .	0.9	44
28	Experimental observation of incoherent-coherent crossover and orbital-dependent band renormalization in iron chalcogenide superconductors. Physical Review B, 2015, 92, .	1.1	46
29	Weyl semimetal phase in the non-centrosymmetric compound TaAs. Nature Physics, 2015, 11, 728-732.	6.5	796
30	A stable three-dimensional topological Dirac semimetal Cd3As2. Nature Materials, 2014, 13, 677-681.	13.3	1,242
31	Direct observation of the transition from indirect to direct bandgap in atomically thin epitaxial MoSe2. Nature Nanotechnology, 2014, 9, 111-115.	15.6	1,129
32	Discovery of a Three-Dimensional Topological Dirac Semimetal, Na₃Bi. Science, 2014, 343, 864-867.	6.0	1,889
33	Interfacial mode coupling as the origin of the enhancement of Tc in FeSe films on SrTiO3. Nature, 2014, 515, 245-248.	13.7	567
34	Measurement of Coherent Polarons in the Strongly Coupled Antiferromagnetically Ordered Iron-Chalcogenide <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><msub><mi>Fe</mi><mn>1.02</mn></msub><mi>Te</mi></math> using Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2013, 110, 037003.	2.9	46
35	Experimental Realization of a Three-Dimensional Topological Insulator, Bi₂Te₃. Science, 2009, 325, 178-181.	6.0	3,095
36	Measurement of the electronic structure of a type-II topological Dirac semimetal candidate VAl3 using angle-resolved photoelectron spectroscopy. Tungsten, 0, , 1.	2.0	0