

Chang Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

6,222
citations

31
h-index

65
g-index

65
ext. papers

7,363
ext. citations

9
avg, IF

5.14
L-index

#	Paper	IF	Citations
60	Common (D) Band Folding and Surface Reconstruction in FeAs-Based Superconductors. <i>Chinese Physics Letters</i> , 2021 , 38, 057404	1.8	3
59	Progress in Epitaxial Thin-Film Na Bi as a Topological Electronic Material. <i>Advanced Materials</i> , 2021 , 33, e2005897	24	10
58	Half-Magnetic Topological Insulator with Magnetization-Induced Dirac Gap at a Selected Surface. <i>Physical Review X</i> , 2021 , 11,	9.1	10
57	Realization of a tunable surface Dirac gap in Sb-doped MnBi ₂ Te ₄ . <i>Physical Review B</i> , 2021 , 103,	3.3	7
56	Magnetic-field-induced robust zero Hall plateau state in MnBiTe Chern insulator. <i>Nature Communications</i> , 2021 , 12, 4647	17.4	7
55	Pressure-Tuned Intralayer Exchange in Superlattice-Like MnBiTe/(BiTe) Topological Insulators. <i>Nano Letters</i> , 2021 , 21, 5874-5880	11.5	8
54	Observation of Spin-Momentum-Layer Locking in a Centrosymmetric Crystal. <i>Physical Review Letters</i> , 2021 , 127, 126402	7.4	3
53	Multiple Dirac nodal lines in an in-plane anisotropic semimetal TaNiTe ₅ . <i>Physical Review B</i> , 2021 , 104,	3.3	1
52	Analytical solution for the surface states of the antiferromagnetic topological insulator MnBi ₂ Te ₄ . <i>Physical Review B</i> , 2020 , 102,	3.3	6
51	Hybridization-induced gapped and gapless states on the surface of magnetic topological insulators. <i>Physical Review B</i> , 2020 , 102,	3.3	10
50	Robust axion insulator and Chern insulator phases in a two-dimensional antiferromagnetic topological insulator. <i>Nature Materials</i> , 2020 , 19, 522-527	27	235
49	Distinct Topological Surface States on the Two Terminations of MnBi ₄ Te ₇ . <i>Physical Review X</i> , 2020 , 10,	9.1	23
48	Quantum-confinement-induced periodic surface states in two-dimensional metal-organic frameworks. <i>Applied Physics Letters</i> , 2020 , 117, 191601	3.4	0
47	Te-Vacancy-Induced Surface Collapse and Reconstruction in Antiferromagnetic Topological Insulator MnBiTe. <i>ACS Nano</i> , 2020 , 14, 11262-11272	16.7	13
46	High thermoelectric performance in low-cost SnSse crystals. <i>Science</i> , 2019 , 365, 1418-1424	33.3	233
45	Angle resolved photoemission spectroscopy studies on three dimensional strong topological insulators and magnetic topological insulators. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019 , 68, 227901	0.6	0
44	Gapless Surface Dirac Cone in Antiferromagnetic Topological Insulator MnBi ₂ Te ₄ . <i>Physical Review X</i> , 2019 , 9,	9.1	111

43	Microscopic investigation of $\text{Bi}_{2-x}\text{SbxTe}_3\text{-ySey}$ systems: On the origin of a robust intrinsic topological insulator. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 128, 251-257	3.9	9
42	Remarkable electron and phonon band structures lead to a high thermoelectric performance $\text{ZT} > 1$ in earth-abundant and eco-friendly SnS crystals. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10048-10056	13	59
41	A novel artificial condensed matter lattice and a new platform for one-dimensional topological phases. <i>Science Advances</i> , 2017 , 3, e1501692	14.3	36
40	Topological surface electronic states in candidate nodal-line semimetal CaAgAs . <i>Physical Review B</i> , 2017 , 96,	3.3	36
39	Structural and magnetic phase transitions in $\text{Ca}_{0.73}\text{La}_{0.27}\text{FeAs}_2$ with electron-overdoped FeAs layers. <i>Physical Review B</i> , 2016 , 93,	3.3	31
38	Observation of metallic surface states in the strongly correlated Kitaev-Heisenberg candidate Na_2IrO_3 . <i>Physical Review B</i> , 2016 , 93,	3.3	12
37	Topological nodal-line fermions in spin-orbit metal PbTaSe_2 . <i>Nature Communications</i> , 2016 , 7, 10556	17.4	514
36	Experimental observation of two massless Dirac-fermion gases in graphene-topological insulator heterostructure. <i>2D Materials</i> , 2016 , 3, 021009	5.9	19
35	Unconventional transformation of spin Dirac phase across a topological quantum phase transition. <i>Nature Communications</i> , 2015 , 6, 6870	17.4	28
34	Observation of Fermi arc surface states in a topological metal. <i>Science</i> , 2015 , 347, 294-8	33.3	488
33	Electronic structure of Ce_2RhIn_8 : A two-dimensional heavy-fermion system studied by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2015 , 91,	3.3	9
32	Surface versus bulk Dirac state tuning in a three-dimensional topological Dirac semimetal. <i>Physical Review B</i> , 2015 , 91,	3.3	12
31	Lifshitz transition and Van Hove singularity in a three-dimensional topological Dirac semimetal. <i>Physical Review B</i> , 2015 , 92,	3.3	28
30	Tunable spin helical Dirac quasiparticles on the surface of three-dimensional HgTe . <i>Physical Review B</i> , 2015 , 92,	3.3	16
29	Gigantic surface lifetime of an intrinsic topological insulator. <i>Physical Review Letters</i> , 2015 , 115, 116801	7.4	63
28	Non-Kondo-like electronic structure in the correlated rare-earth hexaboride YbB_6 . <i>Physical Review Letters</i> , 2015 , 114, 016403	7.4	42
27	Observation of a three-dimensional topological Dirac semimetal phase in high-mobility Cd_3As_2 . <i>Nature Communications</i> , 2014 , 5, 3786	17.4	938
26	Observation of quantum-tunnelling-modulated spin texture in ultrathin topological insulator Bi_2Se_3 films. <i>Nature Communications</i> , 2014 , 5, 3841	17.4	99

25	Observation of topological surface state quantum Hall effect in an intrinsic three-dimensional topological insulator. <i>Nature Physics</i> , 2014 , 10, 956-963	16.2	271
24	Momentum-space imaging of Cooper pairing in a half-Dirac-gas topological superconductor. <i>Nature Physics</i> , 2014 , 10, 943-950	16.2	113
23	Fermi-level electronic structure of a topological-insulator/cuprate-superconductor based heterostructure in the superconducting proximity effect regime. <i>Physical Review B</i> , 2014 , 90,	3.3	29
22	Spin-correlated electronic state on the surface of a spin-orbit Mott system. <i>Physical Review B</i> , 2014 , 90,	3.3	11
21	Observation of monolayer valence band spin-orbit effect and induced quantum well states in MoX ₂ . <i>Nature Communications</i> , 2014 , 5, 4673	17.4	93
20	Electronic structure of the quantum spin Hall parent compound CdTe and related topological issues. <i>Physical Review B</i> , 2014 , 90,	3.3	11
19	Surface electronic structure of the topological Kondo-insulator candidate correlated electron system SmB ₆ . <i>Nature Communications</i> , 2013 , 4, 2991	17.4	267
18	Oscillatory surface dichroism of the insulating topological insulator Bi ₂ Te ₂ Se. <i>Physical Review B</i> , 2013 , 88,	3.3	33
17	Observation of a topological crystalline insulator phase and topological phase transition in Pb(1-x)Sn(x)Te. <i>Nature Communications</i> , 2012 , 3, 1192	17.4	481
16	Topological surface states and Dirac point tuning in ternary topological insulators. <i>Physical Review B</i> , 2012 , 85,	3.3	141
15	Hedgehog spin texture and Berry phase tuning in a magnetic topological insulator. <i>Nature Physics</i> , 2012 , 8, 616-622	16.2	308
14	Topological insulator Bi ₂ Te ₃ films synthesized by metal organic chemical vapor deposition. <i>Applied Physics Letters</i> , 2012 , 101, 162104	3.4	64
13	Fermi-surface topology and low-lying electronic structure of the iron-based superconductor Ca ₁₀ (Pt ₃ As ₈)(Fe ₂ As ₂) ₅ . <i>Physical Review B</i> , 2012 , 85,	3.3	30
12	Topological-metal to band-insulator transition in (Bi(1-x)In(x)) ₂ Se ₃ thin films. <i>Physical Review Letters</i> , 2012 , 109, 186403	7.4	158
11	Importance of the Fermi-surface topology to the superconducting state of the electron-doped pnictide Ba(Fe _{1-x} Cox) ₂ As ₂ . <i>Physical Review B</i> , 2011 , 84,	3.3	105
10	Metallic surface electronic state in half-Heusler compounds RPtBi (R= Lu, Dy, Gd). <i>Physical Review B</i> , 2011 , 83,	3.3	77
9	What controls the phase diagram and superconductivity in Ru-substituted BaFe ₂ As ₂ ?. <i>Physical Review Letters</i> , 2011 , 107, 267002	7.4	59
8	Evidence for a Lifshitz transition in electron-doped iron arsenic superconductors at the onset of superconductivity. <i>Nature Physics</i> , 2010 , 6, 419-423	16.2	205

7	Surface-driven electronic structure in LaFeAsO studied by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2010 , 82,	3-3	33
6	Hydrothermal Growth and Properties of KBe ₂ BO ₃ F ₂ (KBBF) and RbBe ₂ BO ₃ F ₂ (RBBF) Single Crystals 2010 ,		1
5	Unexpected Fermi-surface nesting in the pnictide parent compounds BaFe ₂ As ₂ and CaFe ₂ As ₂ revealed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2010 , 81,	3-3	73
4	Electronic properties of iron arsenic high temperature superconductors revealed by angle resolved photoemission spectroscopy (ARPES). <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 491-497 ^{1,3}		22
3	Three- to two-dimensional transition of the electronic structure in CaFe ₂ As ₂ : a parent compound for an iron arsenic high-temperature superconductor. <i>Physical Review Letters</i> , 2009 , 102, 167004	7-4	7 ¹
2	Momentum dependence of the superconducting gap in NdFeAsO _{0.9} F _{0.1} single crystals measured by angle resolved photoemission spectroscopy. <i>Physical Review Letters</i> , 2008 , 101, 147003	7-4	23 ⁰
1	K-doping dependence of the Fermi surface of the iron-arsenic Ba _{1-x} K _x Fe ₂ As ₂ superconductor using angle-resolved photoemission spectroscopy. <i>Physical Review Letters</i> , 2008 , 101, 177005	7-4	20 ³