Yanglin Zhu

List of Publications by Year in Descending Order

34 papers	1,015 citations	13 h-index	31 g-index
46 ext. papers	1,500 ext. citations	6.8 avg, IF	4.23 L-index

#	Paper	IF	Citations
34	Mid-wave to near-IR optoelectronic properties and epsilon-near-zero behavior in indium-doped cadmium oxide. *Physical Review Materials*, **2021**, 5,	3.2	8
33	Cold sintering of magnetic BaFe12O19 and other ferrites at 300 °C. *Journal of Materials Science*, **2021**, 56, 11229-11236	4.3	6
32	Observation of superdiffusive phonon transport in aligned atomic chains. *Nature Nanotechnology*, **2021**, 16, 764-768	28.7	15
31	Quantum Transport of the 2D Surface State in a Nonsymmorphic Semimetal. *Nano Letters*, **2021**, 21, 4887-4893	11.5	5
30	Ultrafast optical melting of trimer superstructure in layered 1T?-TaTe2. *Communications Physics*, **2021**, 4,	5.4	2
29	Tunneling Effects in Crossed Ta2Pt3Se8 Ta2Pd3Se8 Nanowire Junctions: Implications for Anisotropic Photodetectors. *ACS Applied Nano Materials*, **2021**, 4, 1817-1824	5.6	4
28	Spin-valley locking and bulk quantum Hall effect in a noncentrosymmetric Dirac semimetal BaMnSb. *Nature Communications*, **2021**, 12, 4062	17.4	4
27	Evidence for a Magnetic-Field-Induced Ideal Type-II Weyl State in Antiferromagnetic Topological Insulator Mn(Bi1 Sbx)2Te4. *Physical Review X*, **2021**, 11,	9.1	4
26	Emergence of a competing stripe phase near the Mott transition in Ti-doped bilayer calcium ruthenates. *Physical Review B*, **2020**, 101,	3.3	4
25	Electronic correlations in nodal-line semimetals. *Nature Physics*, **2020**, 16, 636-641	16.2	31
24	Giant room temperature anomalous Hall effect and tunable topology in a ferromagnetic topological semimetal CoMnAl. *Nature Communications*, **2020**, 11, 3476	17.4	42
23	Indications for Lifshitz transitions in the nodal-line semimetal ZrSiTe induced by interlayer interaction. *Physical Review B*, **2020**, 101,	3.3	8
22	Evidence from transport measurements for YRh6Ge4 being a triply degenerate nodal semimetal. *Physical Review B*, **2020**, 101,	3.3	1
21	Exceptionally large anomalous Hall effect due to anticrossing of spin-split bands in the antiferromagnetic half-Heusler compound TbPtBi. *Physical Review B*, **2020**, 101,	3.3	8
20	Ferromagnetism in van der Waals compound MnSb1.8Bi0.2Te4. *Physical Review Materials*, **2020**, 4,	3.2	7
19	Distinct magneto-Raman signatures of spin-flip phase transitions in CrI. *Nature Communications*, **2020**, 11, 3879	17.4	31
18	Subtle metastability of the layered magnetic topological insulator MnBi2Te4 from weak interactions. *Npj Computational Materials*, **2020**, 6,	10.9	5

17	Field-induced magnetic phase transitions and the resultant giant anomalous Hall effect in the antiferromagnetic half-Heusler compound DyPtBi. *Physical Review B*, **2020**, 102,	3.3	1
16	Surface Instability and Chemical Reactivity of ZrSiS and ZrSiSe Nodal-Line Semimetals. *Advanced Functional Materials*, **2019**, 29, 1900438	15.6	5
15	Raman detection of hidden phonons assisted by atomic point defects in a two-dimensional semimetal. *Npj 2D Materials and Applications*, **2019**, 3,	8.8	7
14	Chemical pressure effect on the optical conductivity of the nodal-line semimetals ZrSiY(Y=S,Se,Te) and ZrGeY(Y=S,Te). *Physical Review B*, **2019**, 99,	3.3	16
13	Emergence of intrinsic superconductivity below 1.178 K in the topologically non-trivial semimetal state of CaSn. *Journal of Physics Condensed Matter*, **2019**, 31, 245703	1.8	4
12	Infrared spectroscopy study of the nodal-line semimetal candidate ZrSiTe under pressure: Hints for pressure-induced phase transitions. *Physical Review B*, **2019**, 99,	3.3	10
11	Influence of magnetism on Dirac semimetallic behavior in nonstoichiometric Sr1−yMn1−zSb2(y~0.07,z~0.02). *Physical Review B*, **2019**, 100,	3.3	5
10	Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator MnBi2Te4. *Physical Review Research*, **2019**, 1,	3.9	114
9	Quantum oscillation evidence for a topological semimetal phase in ZrSnTe. *Physical Review B*, **2018**, 97,	3.3	12
8	Raman Spectroscopy, Photocatalytic Degradation, and Stabilization of Atomically Thin Chromium Tri-iodide. *Nano Letters*, **2018**, 18, 4214-4219	11.5	79
7	Superconductivity in the half-Heusler compound TbPdBi. *Physical Review B*, **2018**, 97,	3.3	27
6	Evidence for unconventional superconductivity in half-Heusler YPdBi and TbPdBi compounds revealed by London penetration depth measurements. *Physical Review B*, **2018**, 98,	3.3	12
5	Nearly massless Dirac fermions and strong Zeeman splitting in the nodal-line semimetal ZrSiS probed by de Haas−van Alphen quantum oscillations. *Physical Review B*, **2017**, 96,	3.3	87
4	A magnetic topological semimetal SrMnSb (y, z Nature Materials, **2017**, 16, 905-910	27	87
3	Quantum oscillation studies of the topological semimetal candidate ZrGeM(M=S,Se,Te). *Physical Review B*, **2017**, 95,	3.3	44
2	Evidence of Topological Nodal-Line Fermions in ZrSiSe and ZrSiTe. *Physical Review Letters*, **2016**, 117, 016602	7.4	270
1	Nearly massless Dirac fermions hosted by Sb square net in BaMnSb2. *Scientific Reports*, **2016**, 6, 30525	4.9	46