

Jinyu Liu

List of Publications by Citations

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40
papers

1,129
citations

16
h-index

33
g-index

45
ext. papers

1,565
ext. citations

7.1
avg, IF

4.11
L-index

#	Paper	IF	Citations
40	Evidence of Topological Nodal-Line Fermions in ZrSiSe and ZrSiTe. <i>Physical Review Letters</i> , 2016 , 117, 016602	7.4	270
39	A van der Waals antiferromagnetic topological insulator with weak interlayer magnetic coupling. <i>Nature Communications</i> , 2020 , 11, 97	17.4	98
38	π Berry phase and Zeeman splitting of Weyl semimetal TaP. <i>Scientific Reports</i> , 2016 , 6, 18674	4.9	91
37	Nearly massless Dirac fermions and strong Zeeman splitting in the nodal-line semimetal ZrSiS probed by de Haas-van Alphen quantum oscillations. <i>Physical Review B</i> , 2017 , 96,	3.3	87
36	A magnetic topological semimetal SrMnSb (y, z) Nature Materials, 2017 , 16, 905-910	27	87
35	Thermal Transport in Quasi-1D van der Waals Crystal TaPdSe Nanowires: Size and Length Dependence. <i>ACS Nano</i> , 2018 , 12, 2634-2642	16.7	50
34	Realization of an intrinsic ferromagnetic topological state in MnBiTe. <i>Science Advances</i> , 2020 , 6, eaba4275	14.3	47
33	Nearly massless Dirac fermions hosted by Sb square net in BaMnSb ₂ . <i>Scientific Reports</i> , 2016 , 6, 30525	4.9	46
32	Quantum oscillation studies of the topological semimetal candidate ZrGeM (M=S, Se, Te). <i>Physical Review B</i> , 2017 , 95,	3.3	44
31	Enhanced electron coherence in atomically thin Nb ₃ SiTe ₆ . <i>Nature Physics</i> , 2015 , 11, 471-476	16.2	31
30	Competition between antiferromagnetism and ferromagnetism in Sr ₂ RuO ₄ probed by Mn and Co doping. <i>Scientific Reports</i> , 2013 , 3, 2950	4.9	28
29	Similar ultrafast dynamics of several dissimilar Dirac and Weyl semimetals. <i>Journal of Applied Physics</i> , 2017 , 122, 223102	2.5	27
28	Unusual interlayer quantum transport behavior caused by the zeroth Landau level in YbMnBi. <i>Nature Communications</i> , 2017 , 8, 646	17.4	26
27	Direct Fabrication of Functional Ultrathin Single-Crystal Nanowires from Quasi-One-Dimensional van der Waals Crystals. <i>Nano Letters</i> , 2016 , 16, 6188-6195	11.5	24
26	Distinct Signatures of Electron-Phonon Coupling Observed in the Lattice Thermal Conductivity of NbSe Nanowires. <i>Nano Letters</i> , 2019 , 19, 415-421	11.5	20
25	Signature of quantum Griffiths singularity state in a layered quasi-one-dimensional superconductor. <i>Nature Communications</i> , 2018 , 9, 4656	17.4	17
24	Charge modulation and structural transformation in TaTe ₂ studied by scanning tunneling microscopy/spectroscopy. <i>Applied Physics Letters</i> , 2016 , 109, 021901	3.4	16

23	Lithium ion intercalation in thin crystals of hexagonal TaSe ₂ gated by a polymer electrolyte. <i>Applied Physics Letters</i> , 2018 , 112, 023502	3.4	13
22	Néel-type antiferromagnetic order and magnetic field-temperature phase diagram in the spin-12 rare-earth honeycomb compound YbCl ₃ . <i>Physical Review B</i> , 2020 , 102,	3.3	13
21	Nontrivial topology in the layered Dirac nodal-line semimetal candidate SrZnSb ₂ with distorted Sb square nets. <i>Physical Review B</i> , 2019 , 100,	3.3	11
20	Dimensional reduction and ionic gating induced enhancement of superconductivity in atomically thin crystals of 2H-TaSe. <i>Nanotechnology</i> , 2019 , 30, 035702	3.4	11
19	High yield production of ultrathin fibroid semiconducting nanowire of Ta ₂ Pd ₃ Se ₈ . <i>Nano Research</i> , 2020 , 13, 1627-1635	10	8
18	Using coherent phonons for ultrafast control of the Dirac node of SrMnSb ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	8
17	Mott transition controlled by lattice-orbital coupling in 3d-metal-doped double-layer ruthenates. <i>Physical Review B</i> , 2017 , 96,	3.3	7
16	Spin-orbit coupling and weak antilocalization in the thermoelectric material Bi ₂ Se ₃ . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 095801	1.8	7
15	Magnetic phase separation in double layer ruthenates Ca ₃ (Ru(1-x)Ti(x)) ₂ O ₇ . <i>Scientific Reports</i> , 2016 , 6, 19462	4.9	7
14	Influence of magnetism on Dirac semimetallic behavior in nonstoichiometric Sr _{1-y} Mn _{1-z} Sb ₂ (y~0.07, z~0.02). <i>Physical Review B</i> , 2019 , 100,	3.3	5
13	Weak ferromagnetism of Cu _x Fe _{1+y} As and its evolution with Co doping. <i>Physical Review B</i> , 2015 , 91,	3.3	5
12	Quantum Transport of the 2D Surface State in a Nonsymmorphic Semimetal. <i>Nano Letters</i> , 2021 , 21, 4887-4893	11.5	5
11	Ion intercalation engineering of electronic properties of two-dimensional crystals of 2H-TaSe ₂ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
10	Spin-valley locking and bulk quantum Hall effect in a noncentrosymmetric Dirac semimetal BaMnSb. <i>Nature Communications</i> , 2021 , 12, 4062	17.4	4
9	Spin-flop phase transition in the orthorhombic antiferromagnetic topological semimetal Cu _{0.95} MnAs. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 469, 570-573	2.8	3
8	Band dependence of charge density wave in quasi-one-dimensional Ta ₂ NiSe ₇ probed by orbital magnetoresistance. <i>Applied Physics Letters</i> , 2017 , 111, 052405	3.4	2
7	Normal and inverse bulk spin valve effects in single-crystal ruthenates. <i>Applied Physics Letters</i> , 2016 , 108, 162402	3.4	2
6	Electron mass enhancement and magnetic phase separation near the Mott transition in double-layer ruthenates. <i>Frontiers of Physics</i> , 2018 , 13, 1	3.7	2

5	Nontrivial paired states in novel topological superconductors. <i>Journal of Alloys and Compounds</i> , 2020 , 848, 156498	5.7	1
4	Extremely large anisotropic transport caused by electronic phase separation in Ti-doped Ca ₃ Ru ₂ O ₇ . <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 245004	3	1
3	Angle-dependent magnetoresistance as a sensitive probe of the charge density wave in quasi-one-dimensional semimetal Ta ₂ NiSe ₇ . <i>Applied Physics Letters</i> , 2018 , 113, 192401	3.4	1
2	Magnetic-Field-Induced Re-entrance of Superconductivity in TaPdS Nanostrips. <i>Nano Letters</i> , 2021 , 21, 288-297	11.5	0
1	Thin-film growth and structural characterization of a novel layered iridate Ba ₇ Ir ₃ O ₁₃ +□ <i>Semiconductor Science and Technology</i> , 2019 , 34, 025002	1.8	