

Xiaofeng Xu

List of Publications by Year in descending order

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55
papers

1,464
citations

331670

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330143

37
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55
all docs

55
docs citations

55
times ranked

1970
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and transport properties of the quasi-one-dimensional telluride TaTe_2 . Physical Review B, 2022, 105, .	3.2	4
2	Coexistence of Ferroelectriclike Polarization and Dirac-like Surface State in TaNiTe_5 . Physical Review Letters, 2022, 128, 106802.	7.8	7
3	Time-reversal symmetry breaking superconductivity in three-dimensional Dirac semimetallic silicides. Physical Review Research, 2022, 4, .	3.6	7
4	Odd-Even Layer-Number Effect and Layer-Dependent Magnetic Phase Diagrams in MnBi_2Te_4 . Physical Review X, 2021, 11, .	8.9	69
5	Anisotropic transport and de Haas-van Alphen oscillations in quasi-one-dimensional TaPt_3Te_2 . Physical Review B, 2021, 103, .	3.2	3
6	Chiral singlet superconductivity in the weakly correlated metal LaPt_3P . Nature Communications, 2021, 12, 2504.	12.8	21
7	Magnetic phase transition, magnetoresistance, and anomalous Hall effect in Ga-substituted YMn_6Sn_6 with a ferromagnetic kagome lattice. Physical Review B, 2021, 104, .	3.2	9
8	Coupling between antiferromagnetic and spin-glass orders in the quasi-one-dimensional iron telluride $\text{TaFe}_{1+x}\text{Te}_3$ ($x=0.25$). Physical Review B, 2021, 104, .	3.2	6
9	Superconductivity in PtPb_4 with possible nontrivial band topology. Physical Review B, 2021, 104, .	3.2	3
10	Possible Evidence for Berezinskii-Kosterlitz-Thouless Transition in $\text{Ba}(\text{Fe}_{0.914}\text{Co}_{0.086})_2\text{As}_2$ Crystals. Materials, 2021, 14, 6294.	2.9	1
11	Nearly fully opened charge density wave gap in the quasi-two-dimensional conductor $\text{O}\hat{1}^3$: A comparative study with $\hat{1}^2$. Physical Review B, 2021, 104, .	3.2	1
12	Fully gapped superconductivity without sign reversal in the topological superconductor PbTaSe_2 . Physical Review B, 2020, 102, .	3.2	2
13	Topological Dirac states in a layered telluride TaPdTe_5 with quasi-one-dimensional PdTe_2 chains. Physical Review B, 2020, 102, .	3.2	15
14	Anisotropic Transport and Quantum Oscillations in the Quasi-One-Dimensional TaNiTe_5 : Evidence for the Nontrivial Band Topology. Journal of Physical Chemistry Letters, 2020, 11, 7782-7789.	4.6	21
15	Fermi-crossing Type-II Dirac fermions and topological surface states in NiTe_2 . Scientific Reports, 2020, 10, 12957.	3.3	29
16	Quantum oscillations and anomalous angle-dependent magnetoresistance in the topological candidate Ag_3Sn . Physical Review B, 2020, 101, .	3.2	5
17	Evidence for nematic superconductivity of topological surface states in PbTaSe_2 . Science Bulletin, 2020, 65, 1349-1355.	9.0	27
18	Pressure engineering of the Dirac fermions in quasi-one-dimensional TiMo_6Se_6 . Journal of Physics Condensed Matter, 2020, 32, 215402.	1.8	5

#	ARTICLE	IF	CITATIONS
19	Superconducting and Topological Properties in Centrosymmetric PbTaS ₂ Single Crystals. Journal of Physical Chemistry C, 2020, 124, 6349-6355.	3.1	16
20	Quantum oscillations and magnetic field induced Fermi surface reconstruction in the charge density wave state of $A_{0.9}O_{17}$		

#	ARTICLE	IF	CITATIONS
37	Absence of Andreev bound states in PtBi by point-contact Andreev reflection spectroscopy. <i>Physical Review B</i> , 2016, 94, .	1.8	15
38	Synthesis, physical properties, and band structure of the layered bismuthide PtBi . <i>Physical Review B</i> , 2016, 94, .	1.8	15
39	Upward Curvature of the Upper Critical Field and the V-Shaped Pressure Dependence of T_c in the Noncentrosymmetric Superconductor PbTaSe_2 . <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 3173-3178.	1.8	15
40	Coexistence of superconductivity and ferromagnetism in $\text{SrO}_{0.5}$. <i>Physical Review B</i> , 2015, 91, .	1.8	15
41	Thermal conductivity across the metal-insulator transition in the single-crystalline hyperkagome antiferromagnet Na_3O_8 . <i>Physical Review B</i> , 2015, 91, .	1.8	15
42	Quasi-linear magnetoresistance and the violation of Kohler's rule in the quasi-one-dimensional $\text{Ta}_4\text{Pd}_3\text{Te}_{16}$ superconductor. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 335701.	1.8	17
43	Nodeless superconductivity in quasi-one-dimensional Nb_2A . <i>Physical Review B</i> , 2015, 91, .	3.2	9
44	Controllable spin-orbit coupling and its influence on the upper critical field in the chemically doped quasi-one-dimensional Nb_2PdS_5 superconductor. <i>Physical Review B</i> , 2014, 89, .	3.2	23
45	Electronic anisotropy revealed by torque magnetometry in EuFe_2 . <i>Physical Review B</i> , 2014, 89, .	3.2	14
46	Effect of selenium doping on the superconductivity of Nb_2PdS_5 . <i>Physical Review B</i> , 2014, 89, .		

#	ARTICLE	IF	CITATIONS
55	Directional Field-Induced Metallization of Quasi-One-Dimensional $\text{Li}_{0.9}\text{MnO}_{17}$. Physical Review Letters, 2009, 102, 206602.	1.8	59