

Xiaofeng Xu

List of Publications by Year in descending order

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55
papers

1,464
citations

331670

21
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330143

37
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all docs

55
docs citations

55
times ranked

1970
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity induced by La doping in Sr _{1-x} La _x BiS ₂ . Physical Review B, 2013, 87, .	3.2	153
2	Gross violation of the Wiedemann-Franz law in a quasi-one-dimensional conductor. Nature Communications, 2011, 2, 396.	12.8	105
3	Topological Type-II Dirac Fermions Approaching the Fermi Level in a Transition Metal Dichalcogenide NiTe ₂ . Chemistry of Materials, 2018, 30, 4823-4830.	6.7	101
4	Resistivity plateau and negative magnetoresistance in the topological semimetal TaS ₂ . Physical Review B, 2016, 94, .	8.2	68
5	Upper Critical Magnetic Field far above the Paramagnetic Pair-Breaking Limit of Superconducting One-Dimensional Li _{0.9} O ₁₇ Single Crystals. Physical Review Letters, 2019, 123, 167002.	7.1	71
6	Odd-Even Layer-Number Effect and Layer-Dependent Magnetic Phase Diagrams in MnBi ₂ . Physical Review X, 2021, 11, .	8.9	69
7	Giant anomalous Nernst effect in the magnetic Weyl semimetal SrCo ₃ S ₂ . Physical Review Materials, 2020, 4, .	2.4	68
8	Directional Field-Induced Metallization of Quasi-One-Dimensional Li _{0.9} O ₁₇ . Physical Review Letters, 2009, 102, 206602.	7.6	59
9	Domain Meissner state and spontaneous vortex-antivortex generation in the ferromagnetic superconductor EuFe ₂ (As _{0.79} P _{0.21}) ₂ . Science Advances, 2018, 4, eaat1061.	10.3	54
10	Coexistence of superconductivity and ferromagnetism in Sr _{1-x} La _x BiS ₂ . Physical Review B, 2015, 91, .	9.2	38
11	Two-band and pauli-limiting effects on the upper critical field of 112-type iron pnictide superconductors. Scientific Reports, 2017, 7, 45943.	3.3	37
12	Effect of selenium doping on the superconductivity of Nb ₂ S ₅ .		

#	ARTICLE	IF	CITATIONS
19	Synthesis, physical properties, and band structure of the layered bismuthide PtBi_2 . Physical Review B, 2016, 94, .	3.2	21
20	Visualization of the magnetic flux structure in phosphorus-doped EuFe_2As_2 single crystals. JETP Letters, 2017, 105, 98-102.	1.4	21
21	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
22	Chiral singlet superconductivity in the weakly correlated metal LaPt_3P . Nature Communications, 2021, 12, 2504.	12.8	21
23	Absence of Andreev bound states in PtBi_2 by point-contact Andreev reflection spectroscopy. Physical Review B, 2016, 94, .	3.2	21
24	Evidence of s-wave superconductivity in the noncentrosymmetric La_7Ir_3 . Scientific Reports, 2018, 8, 651.	3.3	19
25	Nonsaturating Magnetoresistance and Nontrivial Band Topology of Type-II Weyl Semimetal NbIrTe_4 . Advanced Electronic Materials, 2019, 5, 1900250.	5.1	19
26	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. Journal of Physics Condensed Matter, 2015, 27, 335701.	1.8	17
27	Extreme magnetoresistance and pressure-induced superconductivity in the topological semimetal candidate YBi . Physical Review B, 2019, 99, .	3.2	17
28	Two-gap superconductivity and topological surface states in TaOsSi . Physical Review B, 2019, 100, .	3.2	16
29	Superconducting and Topological Properties in Centrosymmetric PbTaS_2 Single Crystals. Journal of Physical Chemistry C, 2020, 124, 6349-6355.	3.1	16
30	Upward Curvature of the Upper Critical Field and the V-Shaped Pressure Dependence of T_c in the Noncentrosymmetric Superconductor PbTaSe_2 . Journal of Superconductivity and Novel Magnetism, 2015, 28, 3173-3178.	1.8	15
31	Topological Dirac states in a layered telluride TaPdTe_5 with quasi-one-dimensional PdTe_2 . Physical Review B, 2017, 95, 080401.	3.2	15
32	Electronic nematicity revealed by torque magnetometry in EuFe_2 . Physical Review B, 2014, 89, .	3.2	14
33	Intrinsic thermal conductivity across the metal-insulator transition in the single-crystalline hyperkagome antiferromagnet Na_3VO_8 . Physical Review B, 2015, 91, .	3.2	14
34	Topological phase transition under pressure in the topological nodal-line superconductor PbTaSe_2 . Physical Review B, 2017, 96, .	3.2	14
35	Dimensionality-driven spin-flop transition in quasi-one-dimensional PrBa_2 . Physical Review B, 2010, 81, .	3.2	13
36	Large linear magnetoresistance in a transition-metal stannide RhSn_4 . Applied Physics Letters, 2016, 109, .	3.3	13

#	ARTICLE	IF	CITATIONS
37	Emergence of a real-space symmetry axis in the magnetoresistance of the one-dimensional conductor $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$. Science Advances, 2019, 5, eaar8027.	3.2	11
38	Emergence of a real-space symmetry axis in the magnetoresistance of the one-dimensional conductor $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$. Science Advances, 2019, 5, eaar8027.	10.3	11
39	Anisotropic transport and de Haas-van Alphen oscillations in quasi-one-dimensional TaPt_3Co . Physical Review B, 2021, 104, 080401.	3.2	9
40	Magnetic phase diagram in the Co-rich side of the LCo nodesless superconductor in quasi-one-dimensional LFe . Physical Review B, 2021, 104, 080401.	3.2	9
41	Nodesless superconductor in quasi-one-dimensional LFe . Physical Review B, 2021, 104, 080401.	3.2	9
42	Kondo behavior and metamagnetic phase transition in the heavy-fermion compound CeBi_2 . Physical Review B, 2018, 97, 120401.	3.2	9
43	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
44	Correlation between non-Fermi-liquid behavior and superconductivity in $(\text{Ca}, \text{La})(\text{Fe}, \text{Co})\text{As}_2$ iron arsenides: A high-pressure study. Physical Review B, 2017, 96, .	3.2	6
45	Coexistence of Ferroelectriclike Polarization and Dirac-like Surface State in TaNiTe_5 . Physical Review Letters, 2022, 128, 106802.	7.8	7
46	Time-reversal symmetry breaking superconductivity in three-dimensional Dirac semimetallic silicides. Physical Review Research, 2022, 4, .	3.6	7
47	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
48	Quantum oscillations and anomalous angle-dependent magnetoresistance in the topological candidate Ag_3Sn . Physical Review B, 2020, 101, .	3.2	5
49	Pressure engineering of the Dirac fermions in quasi-one-dimensional $\text{Ti}_2\text{Mo}_6\text{Se}_6$. Journal of Physics Condensed Matter, 2020, 32, 215402.	1.8	5
50	Quantum oscillations and magnetic field induced Fermi surface reconstruction in the charge density wave state of $\text{A}_{0.9}\text{O}_{17}$. Physical Review B, 2020, 101, .		

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55	<p>Nearly fully opened charge density wave gap in the quasi-two-dimensional conductor $\text{O}_{11}\hat{\Gamma}^3$: A comparative study with $\text{O}_{11}\hat{\Gamma}^3$</p> <p>Physical Review B, 2021, 104, .</p>	3.2	1