

Tao Xie

List of Publications by Year in descending order

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papers

383
citations

933410

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794568

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all docs

27
docs citations

27
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	Protonation induced high- T_c phases in iron-based superconductors evidenced by NMR and magnetization measurements. Science Bulletin, 2018, 63, 11-16.	9.0	48
2	Unified Phase Diagram for Iron-Based Superconductors. Physical Review Letters, 2017, 119, 157001.	7.8	40
3	Spin excitations and spin wave gap in the ferromagnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	35
4	Nematic Quantum Critical Fluctuations in BaFe_2As_2 . Physical Review Letters, 2016, 117, 157002.	7.8	33
5	Neutron Spin Resonance in a Quasi-Two-Dimensional Iron-Based Superconductor. Physical Review Letters, 2020, 125, 117002.	7.8	31
6	Odd and Even Modes of Neutron Spin Resonance in the Bilayer Iron-Based Superconductor $\text{CaKFe}_4\text{As}_4$. Physical Review Letters, 2018, 120, 267003.	7.8	28
7	Electron doping dependence of the anisotropic superconductivity in BaFe_2As_2 . Physical Review B, 2015, 92, .	3.2	24
8	Neutron Spin Resonance in the 112-Type Iron-Based Superconductor. Physical Review Letters, 2018, 120, 137001.	7.8	24
9	Crystal growth and phase diagram of 112-type iron pnictide superconductor $\text{Ca}_{1-x}\text{La}_x\text{FeAs}_2$. Superconductor Science and Technology, 2017, 30, 095002.	5.1	21
10	Anisotropic magnetoelastic response in the magnetic Weyl semimetal $\text{Co}_3\text{Sn}_2\text{S}_2$. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	14
11	Quasi-two-dimensional behavior of 112-type iron-based superconductors. Physical Review B, 2017, 96, .	3.2	9
12	Surface morphology and electronic structure in stoichiometric superconductor $\text{CaKFe}_4\text{As}_4$ probed by scanning tunneling microscopy/spectroscopy. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	9
13	Evolution of incommensurate superstructure and electronic structure with Pb substitution in $(\text{Bi}_{2-x}\text{Tl}_x)\text{TeQq}_1$. Physical Review B, 2017, 96, .	1.4	8
14	Electronic specific heat in BaFe_2As_2 . Physical Review B, 2016, 93, .	3.2	7
15	Doping effects of Cr on the physical properties of BaFe_2As_2 . Physical Review B, 2018, 98, .	3.2	7
16	Spin-excitation anisotropy in the bilayer iron-based superconductor $\text{CaKFe}_4\text{As}_4$. Physical Review Research, 2020, 2, .	3.6	7
17	Preferred Spin Excitations in the Bilayer Iron-Based Superconductor $\text{CaKFe}_4\text{As}_4$. Physical Review Letters, 2022, 128, 137003.	7.8	7
18	Nature of the antiferromagnetic and nematic transitions in $\text{Sr}_{1-x}\text{Ba}_x\text{Fe}_{1.97}\text{Ni}_{0.03}\text{As}_2$. Physical Review B, 2017, 96, .	3.2	6

#	ARTICLE	IF	CITATIONS
19	Unconventional Antiferromagnetic Quantum Critical Point in $\text{Ba}(\text{Fe}_{0.97}\text{Cr}_{0.03})_2(\text{As}_{1-x}\text{Px})_2$. Physical Review Letters, 2019, 122, 037001.	7.8	4
20	Experimental observation of magnetic dimers in diluted Yb:YAlO_3 . Physical Review B, 2020, 101, .	3.2	4
21	Common (Γ_6, Γ_8) Band Folding and Surface Reconstruction in FeAs-Based Superconductors. Chinese Physics Letters, 2021, 38, 057404.	3.3	4
22	Nonlinear uniaxial pressure dependence of T_c in iron-based superconductors. Physical Review Research, 2019, 1, .	1.6	4
23	Dispersion of neutron spin resonance mode in $\text{Ba}_{0.67}\text{K}_{0.33}\text{Fe}_2\text{As}_2$. Chinese Physics B, 2021, 30, 127402.	1.4	4
24	Nematic Fluctuations in the Non-Superconducting Iron Pnictide $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{Cr}_x\text{As}_2$. Frontiers in Physics, 0, 10, .	2.1	2
25	Tracking the nematicity in cuprate superconductors: a resistivity study under uniaxial pressure. Journal of Physics Condensed Matter, 2022, 34, 334001.	1.8	2
26	Direct determination of the zero-field splitting for the Fe^{2+} ion in a synthetic polymorph of Fe^{2+}		