

Tao Hu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Pressure tuning of the Berry phase in BaMnSb_2 . Physical Review B, 2022, 105, .		
2	Pressure tuning of the iron-based superconductor $(\text{Ca}_{0.73}\text{La}_{0.27})\text{FeAs}_2$. Physical Review B, 2021, 103, .	3.2	3
3	The transport properties of ultrathin $2\text{H}\epsilon\text{-NbSe}_2$. Superconductor Science and Technology, 2021, 34, 025019.	3.5	4
4	Superconducting anisotropy and vortex pinning in $\text{CaKFe}_4\text{As}_4$ and $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ *. Chinese Physics B, 2021, 30, 027401.	1.4	5
5	Graphene-mediated ferromagnetic coupling in the nickel nano-islands/graphene hybrid. Science Advances, 2021, 7, .	10.3	12
6	Observation of two-dimensional superconductivity in an ultrathin iron ϵ -arsenic superconductor. 2D Materials, 2021, 8, 025024.	4.4	7
7	Gate-tunable two-dimensional superconductivity revealed in flexible wafer-scale hybrid structures. Journal of Materials Chemistry C, 2020, 8, 14605-14610.	5.5	4
8	Disorder ϵ -Induced Quantum Griffiths Singularity Revealed in an Artificial 2D Superconducting System. Advanced Science, 2020, 7, 1902849.	11.2	10
9	Superconducting NbN and $\text{CaFe}(\text{row})_2$ studied by point-contact spectroscopy with a nanoparticle Au array. Physical Review B, 2020, 101, .		
10	Probing the anisotropy of $(\text{Li}_{0.84}\text{Fe}_{0.16})\text{OHFe}_{0.98}\text{Se}$ by angular-dependent torque measurements. Physical Review B, 2020, 101, .	3.2	4
11	Strong Pauli paramagnetic effect in the upper critical field of $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$. Science China: Physics, Mechanics and Astronomy, 2020, 63, .	5.1	28
12	Pressure effects on iron-based superconductor $\text{CaFe}_{0.88}\text{Co}_{0.12}\text{AsF}$. Journal of Physics Condensed Matter, 2019, 31, 325602.	1.8	1
13	Probing superconducting anisotropy of single crystal $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ by magnetic torque measurements. Physical Review B, 2019, 100, .	3.2	17
14	Two-gap superconductivity in $\text{CaFe}_{0.88}\text{Co}_{0.12}\text{AsF}$ revealed by temperature dependence of the lower critical field H_{c1c} (T). Npj Quantum Materials, 2019, 4, .	5.2	6
15	The transport properties in graphene/single-unit-cell cuprates van der Waals heterostructure. Superconductor Science and Technology, 2019, 32, 085007.	3.5	5
16	Single-Crystal Growth and Extremely High H_{c2} of 12442-Type Fe-Based Superconductor $\text{KCa}_2\text{Fe}_4\text{As}_4\text{F}_2$. Journal of Physical Chemistry C, 2019, 123, 13925-13929.	3.1	36
17	Pressure tuning of iron-based superconductor $\text{Ca}_{10}(\text{Pt}_3\text{As}_8)((\text{Fe}_{0.95}\text{Pt}_{0.05})_2\text{As}_2)_5$. Journal of Physics Condensed Matter, 2019, 31, 145601.	1.8	1
18	Fermi Surface with Dirac Fermions in CaFeAsF Determined via Quantum Oscillation Measurements. Physical Review X, 2018, 8, .	8.9	18

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19	Pressure-tuned superconductivity and normal-state behavior in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2018, 97, .	3.2	5
20	Magnetic-field-induced metal-insulator quantum phase transition in CaFeAsF near the quantum limit. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	9
21	Weak localization behavior observed in graphene grown on germanium substrate. AIP Advances, 2018, 8, .	1.3	4
22	Double quantum criticality in superconducting tin arrays-graphene hybrid. Nature Communications, 2018, 9, 2159.	12.8	16
23	Superconductivity in the half-Heusler compound TbPdBi . Physical Review B, 2018, 97, .	3.2	50
24	Synthesis, Structure, and Properties of Clathrate $\text{Si}_{30.3(8)}\text{P}_{15.7(8)}\text{Se}_{7.930(3)}$. Chemistry - A European Journal, 2017, 23, 9505-9516.	3.3	3
25	Universality and unconventional enhancement of flux-flow resistivity in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2017, 95, .	3.2	2
26	Relationship between critical current and flux-flow resistivity in the mixed state of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Physical Review B, 2017, 96, .	3.2	1
27	Universal linear-temperature resistivity: possible quantum diffusion transport in strongly correlated superconductors. Scientific Reports, 2017, 7, 9469.	3.3	13
28	Frontispiece: Synthesis, Structure, and Properties of Clathrate $\text{Si}_{30.3(8)}\text{P}_{15.7(8)}\text{Se}_{7.930(3)}$. Chemistry - A European Journal, 2017, 23, .	3.3	0
29	Angular dependent torque measurements on $\text{CaFe}_{0.88}\text{Co}_{0.12}\text{AsF}$. Journal of Physics Condensed Matter, 2016, 28, 325701.	1.8	7
30	Superconducting fluctuation effect in $\text{CaFe}_{0.88}\text{Co}_{0.12}\text{AsF}$. Journal of Physics Condensed Matter, 2016, 28, 455701.	1.8	4
31	The Insulator to Superconductor Transition in Ga-Doped Semiconductor Ge Single Crystal Induced by the Annealing Temperature. Advances in Condensed Matter Physics, 2015, 2015, 1-4.	1.1	1
32	Quantum magnetoresistance in the Ca-intercalated graphite superconductor CaC_6 . Physical Review B, 2014, 90, .	3.2	0
33	Phase diagram and weak-link behavior in Nd-doped CaFe_2As_2 . New Journal of Physics, 2014, 16, 113024.	2.9	1
34	Two distinct superconducting fluctuation diamagnetisms in $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{La}_x\text{CuO}_6$. Physical Review B, 2014, 90, .	3.2	10
35	High-Tc superconductivity in ultrathin $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ down to half-unit-cell thickness by protection with graphene. Nature Communications, 2014, 5, 5708.	12.8	77
36	Enhancement of superconductivity by Sb-doping in the hole-doped iron-pnictide superconductor $\text{Pr}_{1-x}\text{Sr}_x\text{FeAsO}$. Physica C: Superconductivity and Its Applications, 2014, 498, 50-53.	1.2	5

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37	Effect of Local Structure Distortion on Superconductivity in Mg- and F-Codoped LaOBiS ₂ . Inorganic Chemistry, 2014, 53, 9-11.	4.0	17
38	Epitaxial growth and transport properties of BaTiO ₃ /LaAlO ₃ /SrTiO ₃ heterostructures. Ceramics International, 2014, 40, 13763-13769.	4.8	4
39	Superconductivity induced by U doping in the SmFeAsO system. Physical Review B, 2013, 87, .	3.2	2
40	Non-Fermi liquid regimes with and without quantum criticality in Ce $1\hat{a}^{\sim}$ Yb Coln 5 . Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7160-7164.	7.1	22
41	Strong Magnetic Fluctuations in a Superconducting State of $CeColn_5$. Physical Review Letters, 2012, 108, 056401.	7.8	32
42	Filamentary superconductivity across the phase diagram of Ba(Fe,Co)As ₂ . Physical Review B, 2012, 86, .	3.2	18
43	Superconductivity in the pseudogap region of Bi ₂ Sr ₂ CaFe ₂ As ₂ . Physical Review B, 2012, 86, .	3.2	44
44	Superconductivity in the pseudogap region of Bi ₂ Sr ₂ CaFe ₂ As ₂ . Physical Review B, 2012, 86, .	3.2	5
45	Elasticity of Lyotropic Chromonic Liquid Crystals Probed by Director Reorientation in a Magnetic Field. Physical Review Letters, 2012, 109, 037801.	7.8	120
46	Electric transport measurements on La _{0.7} Ca _{0.3} MnO ₃ /YBa ₂ Cu ₃ O ₇ \hat{a}^{\sim} heterostructures. Journal of Physics: Conference Series, 2011, 273, 012090.	0.4	0
47	Stray field and the superconducting surface spin valve effect in La _{0.7} Ca _{0.3} MnO ₃ /YBa ₂ Cu ₃ O ₇ \hat{a}^{\sim} bilayers. New Journal of Physics, 2011, 13, 033040.	3.2	4
48	Evidence from magnetoresistance measurements for an induced triplet superconducting state in $CeColn_5$. Physical Review B, 2009, 80, .	3.2	20
49	Stray field and spin-imbalance effects in multilayers. Physica B: Condensed Matter, 2008, 403, 1167-1169.	2.7	9
50	Nonlinear paramagnetic magnetization in the mixed state of. Physica B: Condensed Matter, 2008, 403, 952-954.	2.7	0
51	Pairing symmetry of $CeColn_5$ by in-plane torque measurements. Physical Review B, 2008, 78, .	3.5	15
52	Anomalous paramagnetic magnetization in the mixed state of $CeColn_5$ single crystals. Physical Review B, 2007, 76, .	3.2	7
53	Anomalous Resistivity of $CeColn_5$ Single Crystals. AIP Conference Proceedings, 2006, , .	0.4	0
54	Angular Resistivity Study in $CeColn_5$ Single Crystals. AIP Conference Proceedings, 2006, , .	0.4	0

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55	Scaling behavior of angular-dependent resistivity in CeCoIn ₅ : Possible evidence for d-wave density waves. Physical Review B, 2006, 73, .	3.2	9
56	Angular-dependent torque measurements on CeCoIn ₅ single crystals. Physical Review B, 2006, 73, .	3.2	22