

Tao Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7342908/publications.pdf>

Version: 2024-02-01

56
papers

724
citations

567281

15
h-index

580821

25
g-index

57
all docs

57
docs citations

57
times ranked

1142
citing authors

#	ARTICLE	IF	CITATIONS
1	Elasticity of Lyotropic Chromonic Liquid Crystals Probed by Director Reorientation in a Magnetic Field. <i>Physical Review Letters</i> , 2012, 109, 037801.	7.8	120
2	High-Tc superconductivity in ultrathin Bi ₂ Sr ₂ CaCu ₂ O _{8+x} down to half-unit-cell thickness by protection with graphene. <i>Nature Communications</i> , 2014, 5, 5708.	12.8	77
3	Superconductivity in the half-Heusler compound TbPdBi. <i>Physical Review B</i> , 2018, 97, .	3.2	50
4	Evidence for filamentary superconductivity nucleated at antiphase domain walls in antiferromagnetic CaFe ₂ As ₂ . <i>Physical Review B</i> , 2012, 85, .	3.2	44
5	Single-Crystal Growth and Extremely High H_{c2} of 12442-Type Fe-Based Superconductor KCa ₂ Fe ₄ As ₄ F ₂ . <i>Journal of Physical Chemistry C</i> , 2019, 123, 13925-13929.	3.1	36
6	Strong Magnetic Fluctuations in a Superconducting State of CeCoIn ₅ . <i>Physical Review Letters</i> , 2012, 108, 056401.	7.8	32
7	Strong Pauli paramagnetic effect in the upper critical field of KCa ₂ Fe ₄ As ₄ F ₂ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, .	5.1	28
8	Angular-dependent torque measurements on CeCoIn ₅ single crystals. <i>Physical Review B</i> , 2006, 73, .	3.2	22
9	Non-Fermi liquid regimes with and without quantum criticality in Ce _{1-x} Yb _x Co ₅ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7160-7164.	7.1	22
10	Evidence from magnetoresistance measurements for an induced triplet superconducting state in La _{1-x} F _{2x-2} As ₂ . <i>Physical Review B</i> , 2009, 80, .	3.2	20
11	Filamentary superconductivity across the phase diagram of Ba(Fe _{1-x} Co _x) ₂ As ₂ . <i>Physical Review B</i> , 2012, 86, .	3.2	18
12	Fermi Surface with Dirac Fermions in CaFeAsF Determined via Quantum Oscillation Measurements. <i>Physical Review X</i> , 2018, 8, .	8.9	18
13	Effect of Local Structure Distortion on Superconductivity in Mg- and F-Codoped LaOBiS ₂ . <i>Inorganic Chemistry</i> , 2014, 53, 9-11.	4.0	17
14	Probing superconducting anisotropy of single crystal KCa ₂ Mg ₂ F ₂ by magnetic torque measurements. <i>Physical Review B</i> , 2019, 100, .	3.2	17
15	Double quantum criticality in superconducting tin arrays-graphene hybrid. <i>Nature Communications</i> , 2018, 9, 2159.	12.8	16
16	Pairing symmetry of CeCoIn ₅ by in-plane torque measurements. <i>Physical Review B</i> , 2008, 78, .	5.5	15
17	Universal linear-temperature resistivity: possible quantum diffusion transport in strongly correlated superconductors. <i>Scientific Reports</i> , 2017, 7, 9469.	3.3	13
18	Graphene-mediated ferromagnetic coupling in the nickel nano-islands/graphene hybrid. <i>Science Advances</i> , 2021, 7, .	10.3	12

#	ARTICLE	IF	CITATIONS
19	Two distinct superconducting fluctuation diamagnetisms in $\text{Bi}_2\text{Sr}_2\text{LaCuO}_6$. Physical Review B, 2014, 90, .	3.2	10
20	Disorder-Induced Quantum Griffiths Singularity Revealed in an Artificial 2D Superconducting System. Advanced Science, 2020, 7, 1902849.	11.2	10
21	Scaling behavior of angular-dependent resistivity in CeCoIn_5 : Possible evidence for d-wave density waves. Physical Review B, 2006, 73, .	3.2	9
22	Stray field and spin-imbalance effects in multilayers. Physica B: Condensed Matter, 2008, 403, 1167-1169.	2.7	9
23	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
24	Anomalous paramagnetic magnetization in the mixed state of CeCoIn_5 single crystals. Physical Review B, 2007, 76, .	3.2	7
25	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
26	Observation of two-dimensional superconductivity in an ultrathin iron-arsenic superconductor. 2D Materials, 2021, 8, 025024.	4.4	7
27	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
28	Superconductivity in the pseudogap region of $\text{Bi}_2\text{Sr}_2\text{LaCuO}_6$. Physical Review B, 2014, 90, 020401.	3.2	5
29	Enhancement of superconductivity by Sb-doping in the hole-doped iron-pnictide superconductor $\text{Pr}_{1-x}\text{SrxFeAsO}$. Physica C: Superconductivity and Its Applications, 2014, 498, 50-53.	1.2	5
30	Pressure-tuned superconductivity and normal-state behavior in BaFe_2As_2 . Physical Review B, 2018, 97, .	3.2	5
31	The transport properties in graphene/single-unit-cell cuprates van der Waals heterostructure. Superconductor Science and Technology, 2019, 32, 085007.	3.5	5
32	Superconducting NbN and $\text{CaFe}_{1-x}\text{Ni}_x\text{As}$ studied by point-contact spectroscopy with a nanoparticle Au array. Physical Review B, 2020, 101, .	3.0	5
33	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
34	Stray field and the superconducting surface spin valve effect in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ bilayers. New Journal of Physics, 2011, 13, 033040.	1.9	4
35	Epitaxial growth and transport properties of $\text{BaTiO}_3/\text{LaAlO}_3/\text{SrTiO}_3$ heterostructures. Ceramics International, 2014, 40, 13763-13769.	4.8	4
36	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

#	ARTICLE	IF	CITATIONS
37	Weak localization behavior observed in graphene grown on germanium substrate. AIP Advances, 2018, 8, .	1.3	4
38	Gate-tunable two-dimensional superconductivity revealed in flexible wafer-scale hybrid structures. Journal of Materials Chemistry C, 2020, 8, 14605-14610.	5.5	4
39	Probing the anisotropy of (Li _{0.84} Fe _{0.16})OHFe _{0.98} Se by angular-dependent torque measurements. Physical Review B, 2020, 101, .	3.2	4
40	The transport properties of ultrathin 2H-NbSe ₂ . Superconductor Science and Technology, 2021, 34, 025019.	3.5	4
41	Synthesis, Structure, and Properties of Clathrate Si _{30.3(8)} P _{15.7(8)} Se _{7.930(3)} . Chemistry - A European Journal, 2017, 23, 9505-9516.	3.3	3
42	Pressure tuning of the iron-based superconductor (Ca _{0.73} La _{0.27})FeAs ₂ . Physical Review B, 2021, 103, .	3.2	3
43	Superconductivity induced by U doping in the SmFeAsO system. Physical Review B, 2013, 87, .	3.2	2
44	Universality and unconventional enhancement of flux-flow resistivity in Ba(Fe _{1-x} Co _x) ₂ As ₂ . Physical Review B, 2017, 95, .	3.2	2
45	Phase diagram and weak-link behavior in Nd-doped CaFe ₂ As ₂ . New Journal of Physics, 2014, 16, 113024.	2.9	1
46	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
47	Relationship between critical current and flux-flow resistivity in the mixed state of Ba(Fe _{1-x} Co _x) ₂ As ₂ . Physical Review B, 2017, 96, .	3.2	1
48	Pressure effects on iron-based superconductor CaFe _{0.88} Co _{0.12} AsF. Journal of Physics Condensed Matter, 2019, 31, 325602.	1.8	1
49	Pressure tuning of iron-based superconductor Ca ₁₀ (Pt ₃ As ₈) ₅ ((Fe _{0.95} Pt _{0.05}) ₂ As ₂) ₅ . Journal of Physics Condensed Matter, 2019, 31, 145601.	1.8	1
50	Anomalous Resistivity of CeCoIn ₅ Single Crystals. AIP Conference Proceedings, 2006, , .	0.4	0
51	Angular Resistivity Study in CeCoIn ₅ Single Crystals. AIP Conference Proceedings, 2006, , .	0.4	0
52	Nonlinear paramagnetic magnetization in the mixed state of. Physica B: Condensed Matter, 2008, 403, 952-954.	2.7	0
53	Electric transport measurements on La _{0.7} Ca _{0.3} MnO ₃ /YBa ₂ Cu ₃ O ₇ heterostructures. Journal of Physics: Conference Series, 2011, 273, 012090.	0.4	0
54	Quantum magnetoresistance in the Ca-intercalated graphite superconductor CaC ₆ . Physical Review B, 2014, 90, .	3.2	0

#	ARTICLE	IF	CITATIONS
55	Frontispiece: Synthesis, Structure, and Properties of Clathrate Si _{30.3(8)} P _{15.7(8)} Se _{7.930(3)} . Chemistry - A European Journal, 2017, 23, .	3.3	0
56	Pressure tuning of the Berry phase in BaMnSb_2 Physical Review B, 2022, 105, .		