

Kui Jin

List of Publications by Year in descending order

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citations

448610

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36
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112
all docs

112
docs citations

112
times ranked

2168
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaling of the strange-metal scattering in unconventional superconductors. <i>Nature</i> , 2022, 602, 431-436.	13.7	42
2	A disorder-sensitive emergent vortex phase identified in high- T_c superconductor (Li,Fe)OHFeSe. <i>Superconductor Science and Technology</i> , 2022, 35, 064007.	1.8	7
3	Field-Free Magnetization Switching Driven by Spin-Orbit Torque in FeCrPt Single Layer. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	10
4	Antinodal kink in the band dispersion of electron-doped cuprate $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$. <i>Npj Quantum Materials</i> , 2022, 7, .	1.8	2
5	Single-crystalline transition metal phosphide superconductor WP studied by Raman spectroscopy and first-principles calculations. <i>Physical Review B</i> , 2022, 105, .	1.1	1
6	Determining the Thickness of the Dead Layer in Superconducting Film Using a Two-Coil Mutual-Inductance Technique. <i>Physical Review Applied</i> , 2022, 17, .	1.5	1
7	Phase diagrams on composition-spread Fe_{1-x}Se films. <i>Science Bulletin</i> , 2022, 67, 1443-1449.	4.3	6
8	Epitaxial stabilization of an orthorhombic Mg-Ti-O superconductor. <i>Physical Review B</i> , 2022, 105, .	1.1	2
9	High-throughput search for lossless metals. <i>Physical Review Materials</i> , 2022, 6, .	0.9	2
10	Optical property and pseudogap study of FeSe thin films on different substrates. <i>Optical Materials</i> , 2022, 131, 112727.	1.7	8
11	Implementation of complete Boolean logic functions in single spin-orbit torque device. <i>AIP Advances</i> , 2021, 11, .	0.6	5
12	Quantum criticality tuned by magnetic field in optimally electron-doped cuprate thin films. <i>Physical Review B</i> , 2021, 103, .	1.1	2
13	High-Throughput Methods in Superconductivity Research. , 2021, , 161-202.		0
14	Doping effects of transition metals on the superconductivity of (Li,Fe)OHFeSe films*. <i>Chinese Physics B</i> , 2021, 30, 017402.	0.7	7
15	Two superconductor-insulator phase transitions in the spinel oxide $\text{Li}_{1-x}\text{Ti}_2\text{O}_4$ induced by ionic liquid gating. <i>Physical Review B</i> , 2021, 103, .	1.1	3
16	Unusual Normal and Superconducting State Properties Observed in Hydrothermal Fe_1-xSe Flakes. <i>Chinese Physics Letters</i> , 2021, 38, 057401.	1.3	2
17	Anisotropic Superconducting Properties of Kagome Metal CsV_3Sb_5 . <i>Chinese Physics Letters</i> , 2021, 38, 057403.	1.3	91
18	Enhancement of electron correlations in ion-gated FeSe film by <i>in situ</i> Seebeck and Hall measurements. <i>Physical Review B</i> , 2021, 103, .	1.1	5

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19	Determining the absolute value of magnetic penetration depth in small-sized superconducting films. Superconductor Science and Technology, 2021, 34, 085022.	1.8	2
20	Enhancement of the lower critical field in FeSe-coated Nb structures for superconducting radio-frequency applications. Superconductor Science and Technology, 2021, 34, 015001.	1.8	8
21	Magnetic-Field-Induced Spin Nematicity in $\text{FeSe}_{1-x}\text{S}_x$ and $\text{FeSe}_{1-x}\text{Te}_x$ Superconductor Systems. Chinese Physics Letters, 2021, 38, 087401.	1.3	6
22	Suppression of antiferromagnetic order in the electron-doped cuprate $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$. Physical Review B, 2021, 104, .	1.1	2
23	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.	2.0	9
24	Granular metallicity as a minimal normal state for superconductivity. Physical Review B, 2021, 104, .	1.1	4
25	In situ Magnetic Measurements of Ionic-Liquid-Gated Superconducting Films. Journal of Superconductivity and Novel Magnetism, 2020, 33, 159-163.	0.8	9
26	Emergent superconductivity in single-crystalline MgTiO_2 films via structural engineering. Physical Review B, 2020, 101, .	1.1	18
27	Combinatorial laser molecular beam epitaxy system integrated with specialized low-temperature scanning tunneling microscopy. Review of Scientific Instruments, 2020, 91, 013904.	0.6	9
28	Doping evolution of the charge excitations and electron correlations in electron-doped superconducting $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$. Npj Quantum Materials, 2020, 5, .	1.8	31
29	A selective control of volatile and non-volatile superconductivity in an insulating copper oxide via ionic liquid gating. Science Bulletin, 2020, 65, 1607-1613.	4.3	10
30	Anisotropy of flux pinning properties in superconducting (Li,Fe)OHFeSe thin films. Superconductor Science and Technology, 2020, 33, 114009.	1.8	10
31	Degenerate antiferromagnetic states in spinel oxide LiV_2O_4 . Chinese Physics B, 2020, 29, 077508.	0.7	3
32	Measurement of magnetic penetration depth in superconducting films by two-coil mutual inductance technique. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 047401.	0.2	2
33	Study the optical properties of Pr_2CuO_4 thin films with different T_c via spectroscopic ellipsometry. Materials Research Express, 2019, 6, 106416.	0.8	2
34	Near-Infrared Reflectivity of Superconducting FeSe Thin Films. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	4
35	Giant enhancement of critical current density at high field in superconducting (Li,Fe)OHFeSe films by Mn doping. Superconductor Science and Technology, 2019, 32, 12LT01.	1.8	9
36	Different behavior of upper critical field in Fe_{1-x}Se single crystals. Chinese Physics B, 2019, 28, 127401.	0.7	4

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37	Ionic Liquid Gating Induced Protonation of Electron-Doped Cuprate Superconductors. Nano Letters, 2019, 19, 7775-7780.	4.5	15
38	Recent advances in high-throughput superconductivity research. Superconductor Science and Technology, 2019, 32, 123001.	1.8	19
39	Two-gap feature in optimally electron-doped cuprates. Physical Review B, 2019, 100, .	1.1	0
40	Obtaining the scattering rate of different T_c FeSe thin films via spectroscopic ellipsometry. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2019, 37, .	0.6	5
41	Tunable superconductivity in parent cuprate Pr_2CuO_4 thin films. Chinese Physics B, 2019, 28, 057401.	0.7	2
42	Effect of annealing process on mechanical properties of n-type $\text{La}_{1.9}\text{Ce}_{0.1}\text{CuO}_4$ superconducting films by depth sensing nanoindentation. Materials Research Express, 2019, 6, 056418.	0.8	0
43	Study the relation between band gap value and lattice constant of MgTi_2O_4 . Journal of Alloys and Compounds, 2019, 788, 891-896.	2.8	13
44	Anomalies of upper critical field in the spinel superconductor LiTi_2O_4 . Physical Review B, 2019, 100, .	1.1	10
45	Anomalous transverse resistance in 122-type iron-based superconductors. Scientific Reports, 2019, 9, 664.	1.6	5
46	Reemergence of high- T_c superconductivity in the $(\text{Li}_{1-x}\text{Fe}_x)\text{OHFe}_{1-y}\text{Se}$ under high pressure. Nature Communications, 2018, 9, 380.	5.8	60
47	Distinction between critical current effects and intrinsic anomalies in the point-contact Andreev reflection spectra of unconventional superconductors. Chinese Physics B, 2018, 27, 047403.	0.7	3
48	Bosonic excitations and electron pairing in an electron-doped cuprate superconductor. Physical Review B, 2018, 97, .	1.1	5
49	The effects of oxygen in spinel oxide $\text{Li}_{1+x}\text{Ti}_2\text{O}_4$ thin films. Scientific Reports, 2018, 8, 3995.	1.6	14
50	Spin-orbital polarons in electron doped copper oxides. Journal of Magnetism and Magnetic Materials, 2018, 459, 202-205.	1.0	0
51	High-throughput research on superconductivity. Chinese Physics B, 2018, 27, 127402.	0.7	10
52	Electronic Phase Separation in Iron Selenide $(\text{Li,Fe})\text{OHFeSe}$ Superconductor System. Chinese Physics Letters, 2018, 35, 057402.	1.3	12
53	Effect of Mn substitution on superconductivity in iron selenide $(\text{Li, Fe})\text{OHFeSe}$ single crystals. Chinese Physics B, 2018, 27, 077405.	0.7	6
54	Tunable critical temperature for superconductivity in FeSe thin films by pulsed laser deposition. Scientific Reports, 2018, 8, 4039.	1.6	47

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55	Dielectric functions of La-based cuprate superconductors for visible and near-infrared wavelengths. Applied Surface Science, 2017, 421, 611-616.	3.1	9
56	Anisotropic electron-phonon coupling in the spinel oxide superconductor LiTi_2O_4 . Physical Review B, 2017, 95, .	1.1	14
57	Healing Effect of Controlled Anti-Electromigration on Conventional and High-T _c Superconducting Nanowires. Small, 2017, 13, 1700384.	5.2	15
58	The upper critical field and its anisotropy in $(\text{Li}_{1-x}\text{Fe}_x)\text{OHFeSe}$. Journal of Physics Condensed Matter, 2017, 29, 025701.	0.7	14
59	Ratchet effects in superconducting ring-shaped devices. Superconductor Science and Technology, 2017, 30, 105003.	1.8	5
60	Normal-state gap in the parent cuprate Pr_2CuO_4 . Physical Review B, 2017, 96, .	1.1	4
61	Raman-Derived Electron-Phonon Coupling in Thin Films of the Spinel Oxide Superconductor LiTi_2O_4 . Physical Review B, 2017, 96, .	1.1	29
62	Superconducting (Li,Fe)OHFeSe Film of High Quality and High Critical Parameters. Chinese Physics Letters, 2017, 34, 077404.	1.3	30
63	Doping Mn into $(\text{Li}_{1-x}\text{Fe}_x)\text{OHFe}_{1-y}\text{Se}$ superconducting crystals via ion-exchange and ion-release/introduction syntheses. Chinese Physics B, 2017, 26, 057402.	0.7	8
64	Fermi surface reconstruction and anomalous low-temperature resistivity in electron-doped $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	1.1	29
65	Electronic structure and nematic phase transition in superconducting multiple-layer FeSe films grown by pulsed laser deposition method. Chinese Physics B, 2017, 26, 077402.	0.7	10
66	Manipulating composition gradient in cuprate superconducting thin films. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	2.0	11
67	Anomalous in-plane magnetoresistance of electron-doped cuprate $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	2.0	4
68	Evidence for multi-gap symmetry from grain boundary effects in polycrystalline $\text{Ba}_{0.6}\text{K}_{0.4}\text{FeAs}_2$ microbridge. Superconductor Science and Technology, 2017, 30, 015006.	1.8	1
69	Electric-field control of ferromagnetism through oxygen ion gating. Nature Communications, 2017, 8, 2156.	5.8	85
70	Magneto-THz spectroscopy in spinel superconductor LiTi_2O_4 thin films. , 2017, , .		0
71	Study of spinel LiTi_2O_4 superconductors via near-infrared reflection experiments. Optics Letters, 2017, 42, 1552.	1.7	4
72	Applications and perspective of near-field microwave microscope in high-throughput characterizations of superconducting materials. Chinese Science Bulletin, 2017, 62, 4025-4036.	0.4	2

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73	Investigation of the optical properties of LiTi ₂ O ₄ and Li ₄ Ti ₅ O ₁₂ spinel films by spectroscopic ellipsometry. Optical Materials Express, 2016, 6, 3366.	1.6	16
74	Vortex ratchet effects in a superconducting asymmetric ring-shaped device. Applied Physics Letters, 2016, 109, .	1.5	18
75	Transport anomalies and quantum criticality in electron-doped cuprate superconductors. Physica C: Superconductivity and Its Applications, 2016, 525-526, 18-43.	0.6	15
76	Synthesis of large FeSe superconductor crystals via ion release/introduction and property characterization. Chinese Physics B, 2016, 25, 077404.	0.7	14
77	Observation of Ising spin-nematic order and its close relationship to the superconductivity in FeSe single crystals. Physical Review B, 2016, 94, .	1.1	11
78	Evolution of electronic states in n-type copper oxide superconductor via electric double layer gating. Scientific Reports, 2016, 6, 26642.	1.6	21
79	Ion-exchange synthesis of large single-crystal and highly two-dimensional electron. Physical Review B, 2015, 92, .	1.1	116
80	High upper critical fields of superconducting Ca ₁₀ (Pt ₄ As ₈)(Fe _{1.8} Pt _{0.2} As ₂) ₅ whiskers. Applied Physics Letters, 2015, 106, 262601.	1.5	4
81	Reversible electrochemical modulation of the superconducting transition temperature of LiTi ₂ O ₄ ultrathin films by ionic liquid gating. Applied Physics Letters, 2015, 107, 142602.	1.5	19
82	Nuclear-Magnetic-Resonance Properties of the Staircase Kagomé Antiferromagnet PbCu ₃ TeO ₇ . Chinese Physics Letters, 2015, 32, 127503.	1.3	4
83	Anomalous magnetoresistance in the spinel superconductor LiTi ₂ O ₄ . Nature Communications, 2015, 6, 7183.	5.8	54
84	Phase Diagram of (Li _{1-x} Fe _x)OHFeSe: A Bridge between Iron Selenide and Arsenide Superconductors. Journal of the American Chemical Society, 2015, 137, 66-69.	6.6	86
85	The phase diagram of electron-doped La _{2-x} Ce _x CuO ₄ . Nature Communications, 2015, 6, 6041.	5.8	49
86	What drives superconductivity in Pt-doped IrTe ₂ ? Science Bulletin, 2015, 60, 822.	4.3	3
87	Ellipsometric study of the optical properties of n-type superconductor La ₁₉ Ce ₀₁ CuO ₄ . Optical Materials Express, 2015, 5, 2047.	1.6	3
88	Research trends in electron-doped cuprate superconductors. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	2.0	7
89	Impurity effects on the normal-state transport properties of Ba _{0.5} K _{0.5} Fe _{1-x} Co _x As ₂ . Physical Review B, 2014, 90, .	1.1	11
90	Combinatorial search of superconductivity in Fe-B composition spreads. APL Materials, 2013, 1, .	2.2	20

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91	Sign reversal of the Hall resistance in the mixed-state of La _{1.89} Ce _{0.11} CuO ₄ and La _{1.89} Ce _{0.11} (Cu _{0.99} Co _{0.01})O ₄ thin films. Physica C: Superconductivity and Its Applications, 2012, 479, 53-56.	0.6	3
92	Quantum critical scaling at the edge of Fermi liquid stability in a cuprate superconductor. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8440-8444.	3.3	43
93	Anomalous enhancement of the superconducting transition temperature of electron-doped La _{2-x} Ce _x CuO ₄ and Pr _{2-x} Ce _x CuO ₄ cuprate heterostructures. Physical Review B, 2011, 83, .	1.1	17
94	Link between spin fluctuations and electron pairing in copper oxide superconductors. Nature, 2011, 476, 73-75.	13.7	171
95	Disorder Tuned Superconductor Insulator Transition in La _{2-x} (Sr/Ce) _x CuO ₄ & NbN Superconducting Thin Films. Journal of Superconductivity and Novel Magnetism, 2010, 23, 807-810.	0.8	0
96	Sign reversal of the Hall resistivity in the electron-doped La _{2-x} Ce _x CuO ₄ thin films. Physica C: Superconductivity and Its Applications, 2010, 470, S125-S126.	0.6	0
97	Low temperature transport of electron-doped superconductor La _{2-x} Ce _x CuO ₄ thin films. Physica C: Superconductivity and Its Applications, 2010, 470, S168-S169.	0.6	0
98	Evidence for antiferromagnetic order in La _{2-x} Ce _x CuO ₄ thin films. Angular magnetoresistance measurements. Physical Review B, 2009, 80, .	1.1	38
99	Growth and transport features of electron-doped superconductor Pr _{1-x} Ce _x CuO ₄ thin films. Chinese Physics B, 2009, 18, 2054-2057.	0.7	0
100	Thickness-induced insufficient oxygen reduction in La _{2-x} Ce _x CuO ₄ thin films. Superconductor Science and Technology, 2009, 22, 085004.	1.8	6
101	Preparation of electron-doped La _{2-x} Ce _x CuO ₄ thin films with various Ce doping by dc magnetron sputtering. Physica C: Superconductivity and Its Applications, 2009, 469, 1945-1949.	0.6	8
102	In-plane stress effect on the electron-doped superconductor La _{1.89} Ce _{0.11} CuO ₄ thin films. Physica C: Superconductivity and Its Applications, 2008, 468, 1876-1878.	0.6	5
103	Ferromagnetism and microstructure in Cr implanted p-type (100) silicon. Solid State Communications, 2008, 148, 122-125.	0.9	6
104	Normal-state transport in electron-doped La _{2-x} Ce _x CuO ₄ thin films. Physical Review B, 2008, 78, .	1.1	17
105	Low-temperature Hall effect in electron-doped superconducting La _{2-x} Ce _x CuO ₄ thin films. Physical Review B, 2008, 78, .	1.1	19
106	TRANSPORT PROPERTIES OF ELECTRON-DOPED La _{2-x} Ce _x CuO ₄ THIN FILM IN THE UNDER-DOPED REGION. International Journal of Modern Physics B, 2007, 21, 3258-3261.	1.0	0
107	Evolution of charge carriers for transport in electron-doped cuprate superconductor La _{1.89} Ce _{0.11} CuO ₄ thin films. Physical Review B, 2007, 75, .	1.1	11
108	Metallic oxide p-I-n junctions with ferroelectric as the barrier. Applied Physics Letters, 2007, 90, 102113.	1.5	13

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109	Magnetic cobalt-ion substitution effect in electron-doped $\text{La}_{1.89}\text{Ce}_{0.11}\text{CuO}_4$ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 410-411.	0.6	2
110	Coexistence of superconductivity and ferromagnetism in a dilute cobalt-doped $\text{La}_{1.89}\text{Ce}_{0.11}\text{CuO}_4$ system. <i>Physical Review B</i> , 2006, 74, .	1.1	13