

Bin Zeng

List of Publications by Year in descending order

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32
papers

1,376
citations

471509

17
h-index

434195

31
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33
all docs

33
docs citations

33
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition of stoichiometric Sr_2FeAs_2 to a superconducting state at 37.2 K. Physical Review B, 2009, 79, .	3.2	85
2	$\text{Sr}_3\text{Sc}_2\text{Fe}_2\text{As}_2\text{O}_{10}$ as a possible parent compound for FeAs-based superconductors. Physical Review B, 2009, 79, .	3.2	128
3	Observation of ordered vortices with Andreev bound states in $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$. Nature Physics, 2011, 7, 325-331	16.7	114
4	Superconductivity and phase diagrams of the $\text{K}_x\text{Fe}_{1-x}\text{As}$ and $\text{K}_x\text{Fe}_{1-x}\text{As}_2$ -metal-doped iron arsenides	3.2	110
5	Anisotropic structure of the order parameter in $\text{FeSe}_{0.45}\text{Te}_{0.55}$ revealed by angle-resolved specific heat. Nature Communications, 2010, 1, 112.	12.8	83
6	High- T_c superconductivity induced by doping rare-earth elements into CaFeAsF . Europhysics Letters, 2009, 85, 67003.	2.0	81
7	Transport properties and asymmetric scattering in $\text{BaKFe}_2\text{As}_2$	3.2	69
8	Superconductivity with extremely large upper critical fields in $\text{Nb}_2\text{Pd}_{0.81}\text{S}_5$. Scientific Reports, 2013, 3, 1446.	3.3	64
9	Intrinsic percolative superconductivity in $\text{K}_x\text{Fe}_{2-x}\text{Se}_2$ single crystals. Europhysics Letters, 2011, 96, 37010.	2.0	61
10	Magnetic torque anomaly in the quantum limit of Weyl semimetals. Nature Communications, 2016, 7, 12492.	12.8	54
11	Nodeless superconductivity of single-crystalline $\text{K}_x\text{Fe}_{1-x}\text{As}$	3.2	47
12	Synthesis, structural, and transport properties of the hole-doped superconductor $\text{Pr}_{1-x}\text{Fe}_x\text{As}$. Physical Review B, 2009, 79, .	3.2	37
13	Field-induced density wave in the heavy-fermion compound CeRhIn_5 . Nature Communications, 2015, 6, 6663	12.8	36
14	Anomalous metallic state and anisotropic multiband superconductivity in NbPd_3Se	3.2	27
15	Anomalous properties in the NbPd_3Se superconducting state on LaRu_2Si_2	3.2	25
16	Bulk evidence for a time-reversal symmetry broken superconducting state in URu_2Si_2	3.2	24
17	Structural and transport properties of $\text{Sr}_2\text{VO}_3\text{FeAs}$ superconductors with different oxygen deficiencies. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1202-1206.	5.1	19
18	Parent phase and superconductors in the fluorine derivative family. Physica C: Superconductivity and Its Applications, 2009, 469, 381-384.	1.2	17

#	ARTICLE	IF	CITATIONS
19	Small and nearly isotropic hole-like Fermi surfaces in LiFeAs detected through de Haas-van Alphen effect. Physical Review B, 2013, 88, .	3.2	14
20	Power-law-like correlation between condensation energy and superconducting transition temperatures in iron pnictide/chalcogenide superconductors: Beyond the BCS understanding. Physical Review B, 2014, 89, .	3.2	12
21	Possible manifestations of the chiral anomaly and evidence for a magnetic field induced topological phase transition in the type-I Weyl semimetal TaAs. Physical Review B, 2019, 100, .	3.2	12
22	Absence of Superconductivity in LiCu ₂ P ₂ . Journal of the American Chemical Society, 2011, 133, 1751-1753. Specific heat of optimally doped Ba(Fe _{1-x} Co _x) ₂ As ₂ . Physical Review B, 2014, 89, .	13.7	10
23		3.2	9
24	Superconductivity at 15.6 K in calcium-doped Tb _{1-x} Ca _x FeAsO: The structure requirement for achieving superconductivity in the hole-doped 1111 phase. Europhysics Letters, 2010, 89, 27002.	2.0	8
25	Superconductivity in Ti-doped iron-arsenide compound Sr ₄ Cr _{0.8} Ti _{1.2} O ₆ Fe ₂ As ₂ . Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 1876-1878.	0.2	7
26	Non-Ising-like two-dimensional superconductivity in a bulk single crystal. Physical Review B, 2016, 94, .	3.2	6
27	Superconductivity in the hole-doped oxy-arsenide RE _{1-x} Sr _x FeAsO (RE=La, Pr). Physica C: Superconductivity and Its Applications, 2009, 469, 894-897.	1.2	5
28	Transport properties, upper critical field and anisotropy of Ba(Fe _{0.75} Ru _{0.25}) ₂ As ₂ single crystals. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2259-2263.	5.1	5
29	Low temperature specific heat in BaFe _{1.9} Ni _{0.1} As ₂ single crystals. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1221-1224.	5.1	4
30	Physical properties of the new superconducting system Sr ₂ VO ₃ FeAs (21311). Physica C: Superconductivity and Its Applications, 2010, 470, S263-S266.	1.2	2
31	A Field-Directional Specific Heat Study on the Gap Structure of Overdoped Ba(Fe _{1-x} Co _x) ₂ As ₂ . Journal of the Physical Society of Japan, 2013, 82, 054714.	1.6	1
32	Anisotropic superconducting order parameters in the iron pnictide superconductors. Journal of Physics: Conference Series, 2012, 400, 022135.	0.4	0