

Bin Zeng

List of Publications by Year in descending order

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32
papers

1,376
citations

471509

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434195

31
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docs citations

33
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Non-Ising-like two-dimensional superconductivity in a bulk single crystal. Physical Review B, 2016, 94, .	3.2	6
3	Magnetic torque anomaly in the quantum limit of Weyl semimetals. Nature Communications, 2016, 7, 12492.	12.8	54
4	Field-induced density wave in the heavy-fermion compound CeRhIn5. Nature Communications, 2015, 6, 6663.	12.8	36
5	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
6	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
7	A Field-Directional Specific Heat Study on the Gap Structure of Overdoped Ba(Fe _{1-x} Co _x) ₂ As ₂ . Journal of the Anomalous metallic state and anisotropic multiband superconductivity in Nb ₃ Pd ₃ Se _{0.7} bulk evidence for a time-reversal symmetry broken superconducting state in Lu ₂ Si ₂ . Physical Review B, 2013, 88, .	1.6	1
8	Superconductivity with extremely large upper critical fields in Nb ₂ Pd _{0.81} S ₅ . Scientific Reports, 2013, 3, 1446.	3.2	27
9	Specific heat of optimally doped Ba(Fe _{0.75} Ru _{0.25}) ₂ As ₂ single crystals. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2259-2263.	3.2	24
10	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.	3.3	64
11	Transport properties and asymmetric scattering in BaKFe ₂ As ₂ single crystals. Nature Communications, 2011, 2, 463.	3.2	9
12	Anisotropic superconducting order parameters in the iron pnictide superconductors. Journal of Physics: Conference Series, 2012, 400, 022135.	0.4	0
13	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
14	Absence of Superconductivity in LiCu ₂ P ₂ . Journal of the American Chemical Society, 2011, 133, 1751-1753.	3.2	69
15	Nodeless superconductivity of single-crystalline K _x Fe ₂ As ₂ . Nature Physics, 2011, 7, 325-331.	3.2	47
16	Observation of ordered vortices with Andreev bound states in Ba _{0.6} K _{0.4} Fe ₂ As ₂ . Nature Physics, 2011, 7, 325-331.	16.7	114
17	Intrinsic percolative superconductivity in K _x Fe ₂ As ₂ single crystals. Europhysics Letters, 2011, 96, 37010.	2.0	61

#	ARTICLE	IF	CITATIONS
19	Anomalous properties in the normal and superconducting states of La _{1-x} Ca _x FeAsO: The structure requirement for achieving superconductivity in the hole-doped 1111 phase. <i>Physical Review B</i> , 2011, 84, .	3.2	25
20	Structural and transport properties of Sr ₂ VO ₃ FeAs superconductors with different oxygen deficiencies. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1202-1206.	5.1	19
21	Low temperature specific heat in BaFe _{1.9} Ni _{0.1} As ₂ single crystals. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1221-1224.	5.1	4
22	Physical properties of the new superconducting system Sr ₂ VO ₃ FeAs (21311). <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S263-S266.	1.2	2
23	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. <i>Europhysics Letters</i> , 2010, 89, 27002.	2.0	8
24	Anisotropic structure of the order parameter in FeSe _{0.45} Te _{0.55} revealed by angle-resolved specific heat. <i>Nature Communications</i> , 2010, 1, 112.	12.8	83
25	Superconductivity and phase diagrams of the Fe _{1-x} Co _x As ₂ system. <i>Physical Review B</i> , 2009, 79, .	3.2	110
26	Synthesis, structural, and transport properties of the hole-doped superconductor Pr _{1-x} Fe _x As ₂ . <i>Physical Review B</i> , 2009, 79, .	3.2	37
27	High-T _c superconductivity induced by doping rare-earth elements into CaFeAsF. <i>Europhysics Letters</i> , 2009, 85, 67003.	2.0	81
28	Parent phase and superconductors in the fluorine derivative family. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 381-384.	1.2	17
29	Superconductivity in the hole-doped oxy-arsenide RE _{1-x} Sr _x FeAsO (RE=La, Pr). <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 894-897.	1.2	5
30	Superconductivity in Ti-doped iron-arsenide compound Sr ₄ Cr _{0.8} Ti _{1.2} O ₆ Fe ₂ As ₂ . <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2009, 52, 1876-1878.	0.2	7
31	Sr ₃ Sc ₂ Fe ₂ As ₂ O ₅ as a possible parent compound for FeAs-based superconductors. <i>Physical Review B</i> , 2009, 79, .	3.2	128
32	Transition of stoichiometric Sr ₂ FeAs ₂ to a superconducting state at 37.2 K. <i>Physical Review B</i> , 2009, 79, .	3.2	28