

Bing Shen

List of Publications by Year in descending order

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48
papers

2,664
citations

257101

24
h-index

214527

47
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49
all docs

49
docs citations

49
times ranked

3203
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure tuning of structural and magnetic transitions in EuAg_4As_2 . Physical Review B, 2020, 101, .	1.1	7
2	Optical evidence of the chiral magnetic anomaly in the Weyl semimetal TaAs. Physical Review B, 2020, 101, .	1.1	18
3	Lattice distortion and electronic structure of BaAg_2As_2 across its nonmagnetic phase transition. Physical Review B, 2020, 101, .	1.1	1
4	Nonlinear optical control of chiral charge pumping in a topological Weyl semimetal. Physical Review B, 2020, 102, .	1.1	15
5	Structural distortion and incommensurate noncollinear magnetism in EuAg_4As_2 . Physical Review Materials, 2020, 4, .	1.1	10
6	Colossal mid-infrared bulk photovoltaic effect in a type-I Weyl semimetal. Nature Materials, 2019, 18, 471-475.	13.3	253
7	Uncovering electron-phonon scattering and phonon dynamics in type-I Weyl semimetals. Physical Review B, 2019, 100, .	1.1	29
8	Significant change in the electronic behavior associated with structural distortions in monocrystalline SrAg_4As_2 . Physical Review B, 2018, 98, .	1.1	10
9	Coexistence of tunable Weyl points and topological nodal lines in ternary transition-metal telluride TaIrTe_4 . Physical Review B, 2018, 97, .	1.1	26
10	Transition from tunneling regime to local point contact realized on $\text{Ba}_0.6\text{K}_{0.4}\text{Fe}_2\text{As}_2$ surface. Chinese Physics B, 2017, 26, 067402.	0.7	1
11	Electronic evidence of temperature-induced Lifshitz transition and topological nature in ZrTe_5 . Nature Communications, 2017, 8, 15512.	5.8	190
12	Topological surface electronic states in candidate nodal-line semimetal CaAgAs . Physical Review B, 2017, 96, .	1.1	51
13	Magnetotransport properties of the single-crystalline nodal-line semimetal candidates CaTX . Physical Review B, 2017, 95, .	1.1	10
14	Magnetic order induces symmetry breaking in the single-crystalline orthorhombic CuMnAs semimetal. Physical Review B, 2017, 96, .	1.1	22
15	Effect of interlayer coupling on the coexistence of antiferromagnetism and superconductivity in Fe pnictide superconductors: A study of $\text{CaFe}_{0.74}\text{As}_2$. Physical Review B, 2017, 95, .	1.1	10

#	ARTICLE	CITATIONS
19	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, .	1.1 22
20	Doping effect of Cu and Ni impurities on the Fe-based superconductor Ba _{0.6} K _{0.4} Fe ₂ As ₂ . Europhysics Letters, 2013, 104, 37007.	0.7 13
22	Close relationship between superconductivity and the bosonic mode in Ba _{0.6} K _{0.4} Fe ₂ As ₂ and Na(Fe _{0.975} Co _{0.025})As. Nature Physics, 2013, 9, 42-48.	6.5 53
23	Evidence for multiple nodeless gaps and electron-mode coupling from scanning tunneling spectroscopy in the iron-based superconductor Ba _{0.6} K _{0.4} Fe ₂ As ₂ . AIP Conference Proceedings, 2012, , .	0.3 1
24	Vortex images on Ba _{0.6} K _{0.4} Fe ₂ As ₂ single crystals. Physical Review B, 2012, 86, .	1.1 24
25	Evidence of a Spin Resonance Mode in the Iron-Based Superconductor Ba _{0.6} K _{0.4} Fe ₂ As ₂ . Scanning Tunneling Spectroscopy. Physical Review Letters, 2012, 108, 227002.	1.1 9
26	Vortex creep and critical current densities in superconducting (Ba,K)Fe ₂ As ₂ single crystals. Physical Review B, 2012, 86, .	1.1 16
27	Evidence of a Spin Resonance Mode in the Iron-Based Superconductor Ba _{0.6} K _{0.4} Fe ₂ As ₂ . Scanning Tunneling Spectroscopy. Physical Review Letters, 2012, 108, 227002.	53
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.	2.0 5
29	Metastable superconducting state in quenched Ba _{0.6} K _{0.4} Fe ₂ As ₂ single crystals. Philosophical Magazine, 2012, 92, 255-259.	0.7 34
30	Transport properties and asymmetric scattering in Ba _{0.6} K _{0.4} Fe ₂ As ₂ single crystals. Physical Review B, 2011, 83, .	1.1 69
31	Absence of Superconductivity in LiCu ₂ P ₂ . Journal of the American Chemical Society, 2011, 133, 1751-1753.	6.6 10
32	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.	6.5 114
33	Evidence of multiple nodeless energy gaps in superconducting Ba _{0.6} K _{0.4} Fe ₂ As ₂ single crystals from scanning tunneling spectroscopy. Physical Review B, 2011, 83, .	1.1 29
34	Transport properties and anisotropy of Ba _{0.6} K _{0.4} Fe ₂ As ₂ single crystals. Physical Review B, 2011, 83, .	1.1 29
35	Structural and transport properties of Sr ₂ VO ₃ FeAs superconductors with different oxygen deficiencies. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1202-1206.	2.0 19
36	Physical properties of the new superconducting system Sr ₂ VO ₃ FeAs (21311). Physica C: Superconductivity and Its Applications, 2010, 470, S263-S266.	0.6 2

#	ARTICLE	IF	CITATIONS
37	Contrasting impurity scattering and pair-breaking effects by doping Mn and Zn in $Ba_{1-x}Mn_xFe_2As_2$. Physical Review B, 2010, 81, .	1.1	63
38	Anomalous Meissner effect in pnictide superconductors. Physical Review B, 2010, 82, .	1.1	17
39	Flux dynamics and vortex phase diagram in $Ba_{1-x}Mn_xFe_2As_2$. Superconductivity and phase diagrams of the $Ba_{1-x}Mn_xFe_2As_2$. Physical Review B, 2010, 81, .	1.1	136
40	and $Ba_{1-x}Mn_xFe_2As_2$ -metal-doped iron arsenides. Roles of multiband effects and electron-hole asymmetry in the superconductivity and normal-state properties of $Ba_{1-x}Mn_xFe_2As_2$.	1.1	110
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