

Xiangfeng Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2320251/publications.pdf>

Version: 2024-02-01

66
papers

5,318
citations

117625

34
h-index

102487

66
g-index

67
all docs

67
docs citations

67
times ranked

3807
citing authors

#	ARTICLE	IF	CITATIONS
1	Nodeless superconducting gap in $AxFe_2Se_2$ ($A=K,Cs$) revealed by angle-resolved photoemission spectroscopy. <i>Nature Materials</i> , 2011, 10, 273-277.	27.5	407
2	Spin waves and magnetic exchange interactions in $CaFe_2As_2$. <i>Nature Physics</i> , 2009, 5, 555-560.	16.7	366
3	Coexistence of the spin-density wave and superconductivity in $Ba_{1-x}K_xFe_2As_2$. <i>Europhysics Letters</i> , 2009, 85, 17006.	2.0	315
4	Superconductivity at 32 K in single-crystalline $RbFe_2As_2$. <i>Physical Review Letters</i> , 2009, 102, 097002.	3.2	295
5	Anomalous transport properties and phase diagram of the FeAs-based superconductors. <i>Physical Review Letters</i> , 2009, 102, 097001.	7.8	234
6	Scanning Tunneling Spectroscopy and Vortex Imaging in the Iron Pnictide Superconductor $BaFe_{1.8}Co_{0.2}As_2$. <i>Physical Review Letters</i> , 2009, 102, 097002.	7.8	234
7	Anisotropy in the Electrical Resistivity and Susceptibility of Superconducting $BaFe_2As_2$ Crystals. <i>Physical Review Letters</i> , 2009, 102, 117005.	7.8	233
8	Quantum Criticality and Nodal Superconductivity in the FeAs-based Superconductor KFe_2As_2 . <i>Physical Review Letters</i> , 2010, 104, 087005.	7.8	213
9			

#	ARTICLE	IF	CITATIONS
19	The peculiar physical properties and phase diagram of BaFe _{2-x} Co _x As ₂ single crystals. New Journal of Physics, 2009, 11, 045003.	2.9	99
20	Superconductivity and magnetic properties of single crystals of K_xO_{75}	3.2	99
21	One-dimensional edge state transport in a topological Kondo insulator. Nature Physics, 2016, 12, 213-217.	16.7	76
22	Transport properties and superconductivity in Ba _{1-x} M _x Fe ₂ As ₂ (M=La and K) with double FeAs layers. Europhysics Letters, 2008, 84, 27010.	2.0	74
23	Evidence for an s-wave superconducting gap in K _x Fe ₂ Se ₂	3.2	72
24	High pressure study of BaFe ₂ As ₂ the role of hydrostaticity and uniaxial stress. Journal of Physics Condensed Matter, 2010, 22, 052201.	1.8	69
25	Superconductivity in $A_{1.5}TjETQq_1$		
26	Physical properties of the layered pnictide oxides Na_2		

#	ARTICLE	IF	CITATIONS
37	Strong coupling of Sm and Fe magnetism in SmFeAsO as revealed by magnetic x-ray scattering. Physical Review B, 2011, 84, .	3.2	33
38	K ₂ NiF ₄ type La _{2-x} Sr _x Co _{0.8} Ni _{0.2} O _{4+δ} as the cathodes for solid oxide fuel cells. Solid State Ionics, 2008, 179, 1450-1453.	2.7	32
39	Crystal field splitting and electronic phase diagram of single-crystalline CaMnO_3		

#	ARTICLE	IF	CITATIONS
55	Spin-density-wave transition of Fe1 zigzag chains and metamagnetic transition of Fe2 in TaFe _{1+y} Te ₃ . Physical Review B, 2011, 84, .	3.2	11
56	Freezing out of a low-energy bulk spin exciton in SmB ₆ . Npj Quantum Materials, 2018, 3, .	5.2	11
57	Observation of two collapsed phases in CaRbF_4 . Physical Review B, 2019, 100, .	3.2	9
58	s-wave superconductivity in barium-doped phenanthrene as revealed by specific-heat measurements. Physical Review B, 2012, 85, .	3.2	8
59	The fluctuation effect of BaFe _{1.8} Co _{0.2} As ₂ single crystals from reversible magnetization. Superconductor Science and Technology, 2009, 22, 105016.	3.5	6
60	Electronic structure of SmOFeAs. Journal of Physics and Chemistry of Solids, 2011, 72, 460-464.	4.0	6
61	Two S-wave gap symmetry for single crystals of the superconductor BaFe _{1.8} Co _{0.2} As ₂ . Physica C: Superconductivity and Its Applications, 2010, 470, S506-S507.	1.2	5
62	Electrical detection of the inverse Edelstein effect on the surface of SmB_6 . Physical Review B, 2020, 102, .	3.2	4
63	As-NMR/NQR study of pressure-induced superconductivity in CaFe ₂ As ₂ . Journal of Physics and Chemistry of Solids, 2011, 72, 501-504.	4.0	3
64	Giant magnetic flux jumps in single crystals of Ba _{0.6} K _{0.4} Fe ₂ As ₂ . Applied Physics Letters, 2011, 98, .	3.3	3
65	Magnetotransport properties in K _{0.50} CoO ₂ single crystals. Journal of Physics Condensed Matter, 2009, 21, 016004.	1.8	1
66	Superconductivity in Ba _{1-x} Sm _x FeAs and Eu _{1-x} Sm _x FeAs systems. Science Bulletin, 2009, 54, 1872-1875.	9.0	1