

Fei Han

List of Publications by Year in descending order

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65
papers

2,216
citations

257101

24
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233125

45
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76
all docs

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docs citations

76
times ranked

2756
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition of stoichiometric $\text{Sr}_{1-x}\text{La}_x\text{FeAsF}$ a superconducting state at 37.2 K. Physical Review B, 2009, 79, .	1.1	85
2	$\text{Sr}_3\text{Sc}_2\text{Fe}_2\text{As}_2\text{O}_{15}$ as a possible parent compound for FeAs-based superconductors. Physical Review B, 2009, 79, .	1.1	128
3	Emergent superconductivity in an iron-based honeycomb lattice initiated by pressure-driven spin-crossover. Nature Communications, 2018, 9, 1914.	5.8	119
4	Superconductivity and phase diagrams of the $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ and $\text{Ba}_{1-x}\text{K}_x\text{FeAsF}$ -metal-doped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$.	1.1	110
5	Pressure-Driven Cooperative Spin-Crossover, Large-Volume Collapse, and Semiconductor-to-Metal Transition in Manganese(II) Honeycomb Lattices. Journal of the American Chemical Society, 2016, 138, 15751-15757.	6.6	91
6	Facile synthesis of silk-cocoon S-rich cobalt polysulfide as an efficient catalyst for the hydrogen evolution reaction. Energy and Environmental Science, 2018, 11, 2467-2475.	15.6	91
7	Large nonreciprocal absorption and emission of radiation in type-I Weyl semimetals with time reversal symmetry breaking. Physical Review B, 2020, 101, .	1.1	84
8	SrFeAsF as a parent compound for iron pnictide superconductors. Physical Review B, 2008, 78, .	1.1	81
9	High- T_c superconductivity induced by doping rare-earth elements into CaFeAsF . Europhysics Letters, 2009, 85, 67003.	0.7	81
10	Transport properties and asymmetric scattering in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$.	1.1	69
11	Template-free formation of carbon nanotube-supported cobalt sulfide@carbon hollow nanoparticles for stable and fast sodium ion storage. Journal of Power Sources, 2017, 339, 41-50.	4.0	69
12	Superconductivity in fluoride-arsenide $\text{Sr}_{1-x}\text{La}_x\text{FeAsF}$ compounds. Europhysics Letters, 2009, 85, 17011.	0.7	56
13	Structural and Magnetic Phase Transitions near Optimal Superconductivity in BaFe_2As_2 .		
14			

#	ARTICLE	IF	CITATIONS
37	Extended Kohler's Rule of Magnetoresistance. <i>Physical Review X</i> , 2021, 11, .	2.8	16
38	Acid-Induced Clay Electrolyte for Wide-Temperature-Range and Long-Cycle Proton Batteries. <i>Advanced Materials</i> , 2022, 34, e2202063.	11.1	16
39	Ultrasensitive Molecular Detection by Imaging of Centimeter-Scale Metasurfaces with a Deterministic Gradient Geometry. <i>Advanced Materials</i> , 2021, 33, e2100270.	11.1	15
40	Synthesis, Structure, and Complex Magnetism of $M\text{Ir}_2\text{In}_8$ ($M = \text{Eu}, \text{Sr}$). <i>Inorganic Chemistry</i> , 2016, 55, 3128-3135.	1.9	14
41	Ag_2Se to KAg_3Se_2 : Suppressing Order-Disorder Transitions via Reduced Dimensionality. <i>Journal of the American Chemical Society</i> , 2018, 140, 9193-9202.	6.6	14
42	Unconventional Hysteretic Transition in a Charge Density Wave. <i>Physical Review Letters</i> , 2022, 128, 036401.	2.9	14
43	Doping effect of Cu and Ni impurities on the Fe-based superconductor $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$. <i>Europhysics Letters</i> , 2013, 104, 37007.	0.7	13
44	Magnetism and superconductivity in $\text{Sr}_2\text{VFeAsO}_3$ revealed by ^{75}As - and ^{51}V -NMR under elevated pressures. <i>Physical Review B</i> , 2014, 89, .	1.1	13
45	Direct observation of the influence of the FeAs ₄ tetrahedron on superconductivity and antiferromagnetic correlations in $\text{Sr}_2\text{VO}_3\text{FeAs}$. <i>Europhysics Letters</i> , 2011, 96, 57002.	1.1	12
46	$(\text{CaO})(\text{FeSe})$: A Layered Wide-Gap Oxychalcogenide Semiconductor. <i>Chemistry of Materials</i> , 2015, 27, 5695-5701.	3.2	12
47	Thermal degradation behavior of self-assembled monolayer surfactant on silicon substrate. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, .	0.6	12
48	Absence of Superconductivity in LiCu_2P_2 . <i>Journal of the American Chemical Society</i> , 2011, 133, 1751-1753.	6.6	10
49	Direct observation of the influence of the FeAs ₄ tetrahedron on superconductivity and antiferromagnetic correlations in $\text{Sr}_2\text{VO}_3\text{FeAs}$. <i>Europhysics Letters</i> , 2011, 96, 57002.	0.7	10
50	Flux Crystal Growth of the Ternary Polygermanide LaPtGe_2 , a p-Type Metal. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2164-2172.	1.0	10
51	Magnetization-governed magnetoresistance anisotropy in the topological semimetal CeBi . <i>Physical Review B</i> , 2019, 100, .	1.1	10
52	Superconductivity at 15.6 K in calcium-doped $\text{Tb}_{1-x}\text{Ca}_x\text{FeAsO}$: The structure requirement for achieving superconductivity in the hole-doped 1111 phase. <i>Europhysics Letters</i> , 2010, 89, 27002.	0.7	8
53	Synthesis, Structure, and Rigid Unit Mode-like Anisotropic Thermal Expansion of BaIr_2In_9 . <i>Inorganic Chemistry</i> , 2015, 54, 8794-8799.	1.9	8
54	Anomalous phonon-mode dependence in polarized Raman spectroscopy of the topological Weyl semimetal TaP . <i>Physical Review B</i> , 2020, 101, .	1.1	8

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55	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
56	Crystal Growth, Structures, and Properties of the Complex Borides, LaOs ₂ Al ₂ B and LaOs ₂ Os ₂ AlB ₂ . Inorganic Chemistry, 2015, 54, 8049-8057.	1.9	7
57	La ¹⁺ Bi _{1+x} S ₃ (x = 0.08): An n-Type Semiconductor. Inorganic Chemistry, 2016, 55, 3547-3552.	1.9	7
58	Doping effects of Cr on the physical properties of $\text{BaFe}_{1-x}\text{Cr}_x\text{As}_2$. Physical Review B, 2018, 98, .	1.9	1.9
59	Hole doping by pressure on the 1111 pnictides CaFeAsF and SrFeAsF. Journal of Physics Condensed Matter, 2014, 26, 155702.	0.7	6
60	A Hidden Dimension to Explore New Thermoelectrics. Joule, 2018, 2, 16-18.	11.7	4
61	Semiconducting Ba ₃ Sn ₃ Sb ₄ and Metallic Ba ⁷⁺ Sn ₁₁ Sb ₁₅ (x = 0.4, y = 0.6) Zintl Enormous electron-electron scattering in the filled-cage cubic compound $\text{Ba}_3\text{Sn}_{11}\text{Sb}_{15}$. Physical Review B, 2018, 98, .	1.9	3
62	Physical properties of the new superconducting system Sr ₂ VO ₃ FeAs (21311). Physica C: Superconductivity and Its Applications, 2010, 470, S263-S266.	0.9	3
63	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
64	New Insulating Antiferromagnetic Quaternary Iridates MLa ₁₀ Ir ₄ O ₂₄ (M = Sr, Ba). Scientific Reports, 2015, 5, 11705.	1.6	2
65	Kinoform lenses for high photon energies. AIP Conference Proceedings, 2019, , .	0.3	0