

Shanta Saha

List of Publications by Year in descending order

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18
papers

770
citations

687363

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839539

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all docs

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18
times ranked

1184
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural collapse and superconductivity in rare-earth-doped CaFe_2As_2 . <i>Physical Review B</i> , 2013, 85, .	3.2	145
2	Superconducting and Ferromagnetic Phases Induced by Lattice Distortions in Stoichiometric SrFe_2As_2 Crystals. <i>Physical Review Letters</i> , 2009, 103, 037005.	7.8	94
3	Coexistence of ferromagnetic fluctuations and superconductivity in the actinide superconductor UTe_2 . <i>Physical Review B</i> , 2019, 100, .	3.2	87
4	Multicomponent superconducting order parameter in UTe_2 . <i>Science</i> , 2021, 373, 797-801.	12.6	83
5	Noncollinear spin-density-wave antiferromagnetism in FeAs . <i>Physical Review B</i> , 2011, 83, .	3.2	57
6	Spin-State Transition in the Fe Pnictides. <i>Physical Review Letters</i> , 2013, 110, 047003.	7.8	56
7	Superconductivity at 23 K in Pt doped BaFe_2As_2 single crystals. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 072204.	1.8	49
8	Superfluid density and field-induced magnetism in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ and $\text{Sr}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ measured with muon spin relaxation. <i>Physical Review B</i> , 2010, 82, .	3.2	36
9	Experimental demonstration of superconducting critical temperature increase in electromagnetic metamaterials. <i>Scientific Reports</i> , 2014, 4, 7321.	3.3	35
10	Suppression of magnetism and development of superconductivity within the collapsed tetragonal phase of $\text{Ca}_{1-x}\text{Sr}_x\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2013, 87, .	3.2	32
11	Tunable electronic anisotropy in single-crystal $\text{A}_2\text{Cr}_3\text{As}_3$ ($\text{A}=\text{K}, \text{Rb}$) quasi-one-dimensional superconductors. <i>Physical Review B</i> , 2015, 92, .	3.2	24
12	Comprehensive surface magnetotransport study of SmB_6 . <i>Physical Review B</i> , 2020, 101, .	3.2	15
13	Tuning magnetism in FeAs -based materials via a tetrahedral structure. <i>Physical Review B</i> , 2012, 86, .	3.2	14
14	Interplay between magnetism, structure, and strong electron-phonon coupling in binary FeAs under pressure. <i>Physical Review B</i> , 2011, 83, .	3.2	11
15	Quantum spin fluctuations in the bulk insulating state of pure and Fe-doped SmB_6 . <i>Physical Review B</i> , 2017, 95, .	3.2	10
16	Intrinsic Low-Temperature Magnetism in SmB_6 . <i>Physical Review Letters</i> , 2019, 123, 197203.	7.8	11
17	Persistent Fe moments in the normal-state collapsed-tetragonal phase of the pressure-induced superconductor $\text{Ca}_{0.67}\text{Sr}_{0.33}\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2014, 90, .	3.2	8
18	Strong electron-boson coupling in the iron-based superconductor $\text{BaFe}_{1.9}\text{Pt}_{0.1}\text{As}_2$ revealed by infrared spectroscopy. <i>Physical Review B</i> , 2018, 98, .	3.2	2