

# Shanta Saha

## List of Publications by Year in descending order

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docs citations

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1184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicomponent superconducting order parameter in $UTe_2$ . Science, 2021, 373, 797-801.	12.6	83
2	Comprehensive surface magnetotransport study of $SrFe_2As_2$ . Physical Review B, 2020, 101, .	7.8	11
3	Intrinsic Low-Temperature Magnetism in $SrFe_2As_2$ . Physical Review Letters, 2019, 123, 197203.	7.8	11
4	Coexistence of ferromagnetic fluctuations and superconductivity in the actinide superconductor $UTe_2$ . Physical Review B, 2019, 100, .	3.2	87
5	Strong electron-boson coupling in the iron-based superconductor $BaFe_{1.9}Pt_{0.1}As_2$ revealed by infrared spectroscopy. Physical Review B, 2018, 98, .	3.2	2
6	Quantum spin fluctuations in the bulk insulating state of pure and Fe-doped $SrFe_2As_2$ . Physical Review B, 2017, 95, .	3.2	8
7	Tunable electronic anisotropy in single-crystal $A_2Cr_3As_3$ ( $A=K, Rb$ ) quasi-one-dimensional superconductors. Physical Review B, 2015, 92, .	3.2	24
8	Persistent Fe moments in the normal-state collapsed-tetragonal phase of the pressure-induced superconductor $Ca_{0.67}Sr_{0.33}Fe_2As_2$ . Physical Review B, 2014, 90, .	3.2	8
9	Experimental demonstration of superconducting critical temperature increase in electromagnetic metamaterials. Scientific Reports, 2014, 4, 7321.	3.3	35
10	Spin-State Transition in the Fe Pnictides. Physical Review Letters, 2013, 110, 047003.	7.8	56
11	Tuning magnetism in FeAs-based materials via a tetrahedral structure. Physical Review B, 2012, 86, .	3.2	14
12	Structural collapse and superconductivity in rare-earth-doped $CaFeAs_2$ . Physical Review B, 2012, 85, .	3.2	145
13	Phase diagram of $Ca_{1-x}Fe_xAs_2$ . Physical Review B, 2012, 85, .	3.2	32
14	Noncollinear spin-density-wave antiferromagnetism in FeAs. Physical Review B, 2011, 83, .	3.2	57
15	Interplay between magnetism, structure, and strong electron-phonon coupling in binary FeAs under pressure. Physical Review B, 2011, 83, .	3.2	11
16	Superfluid density and field-induced magnetism in $Ba(Fe_{1-x}Co_x)_2As_2$ and $Sr(Fe_{1-x}Co_x)_2As_2$ measured with muon spin relaxation. Physical Review B, 2010, 82, .	3.2	36
17	Superconductivity at 23 K in Pt doped $BaFe_2As_2$ single crystals. Journal of Physics Condensed Matter, 2010, 22, 072204.	1.8	49
18	Superconducting and Ferromagnetic Phases Induced by Lattice Distortions in Stoichiometric $SrFe_2As_2$ Crystals. Physical Review Letters, 2009, 103, 037005.	7.8	94