

Santu Baidya

List of Publications by Year in descending order

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21
papers

419
citations

840776

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all docs

21
docs citations

21
times ranked

718
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure and phonons in LaCoO_3 Breakdown of state in double perovskites: A first-principles study. Physical Review B, 2015, 92, .	3.2	64
2	Weyl-mediated helical magnetism in NdAlSi. Nature Materials, 2021, 20, 1650-1656.	27.5	48
3	Tunable magnetic topological insulating phases in monolayer CrI_3 . Physical Review B, 2018, 98, .	3.2	33
4	Design of Chern and Mott insulators in buckled honeycomb lattices. Physical Review B, 2016, 93, .	3.2	30
5	A real-space study of random extended defects in solids: Application to disordered Stone-Wales defects in graphene. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 61, 191-197.	2.7	29
6	High-temperature large-gap quantum anomalous Hall insulating state in ultrathin double perovskite films. Physical Review B, 2016, 94, .	3.2	18
7	Chern insulator with a nearly flat band in the metal-organic-framework-based Kagome lattice. Scientific Reports, 2019, 9, 13807.	3.3	17
8	Crystal structure and magnetic properties of a new layered sodium nickel hydroxide phosphate, $\text{Na}_2\text{Ni}_3(\text{OH})_2(\text{PO}_4)_2$. Dalton Transactions, 2013, 42, 14718.	3.3	15
9	Theoretical evidence of spin-orbital-entangled state in the transition metal oxide CuAlO_2 . Physical Review B, 2011, 84, .	3.2	12
10	Interplay of Magnetism and Topological Superconductivity in Bilayer Kagome Metals. Physical Review Letters, 2020, 125, 026401.	7.8	12
11	Controlled confinement of half-metallic two-dimensional electron gas in $\text{BaTiO}_3/\text{Ba}_2\text{FeReO}_6/\text{BaTiO}_3$ heterostructures: A first-principles study. Physical Review B, 2015, 92, .	3.2	11
12	Confinement-driven electronic and topological phases in corundum-derived oxide honeycomb lattices. Physical Review B, 2018, 97, .	3.2	10
13	Importance of dynamic lattice effects for crystal field excitations in the quantum spin ice candidate $\text{Rb}_2\text{Cu}_3(\text{P}_2\text{O}_7)_2$: synthesis, crystal structure, thermodynamic and resonant properties. New Journal of Chemistry, 2013, 37, 2743.	2.8	8
14	Configuration and self-averaging in disordered systems. Indian Journal of Physics, 2016, 90, 649-657.	1.8	7
15	Importance of dynamic lattice effects for crystal field excitations in the quantum spin ice candidate $\text{Rb}_2\text{Cu}_3(\text{P}_2\text{O}_7)_2$. Physical Review B, 2021, 104, .	3.2	7

#	ARTICLE	IF	CITATIONS
19	of localized and itinerant character of Ru ions: Ti Ru^{2+} Phonon spectrum of TiRu_2O_7	3.2	5
20	Pr^{2+} and Pr^{7+}	3.2	5
21	of Hg^{2+} and Ru^{2+} . Physical Review B, 2012, 85, 114407. Hg^{2+} and Ru^{2+}	3.2	3