

Rudra Sekhar Manna

List of Publications by Year in descending order

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25
papers

609
citations

840585

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27
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docs citations

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times ranked

1051
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced dimerization and collapse of antiferromagnetism in the Kitaev material $\text{Li}_2\text{Ir}_2\text{O}_7$. Physical Review B, 2022, 105, .		
2	Neutron diffraction evidence for local spin canting, weak Jahn-Teller distortion, and magnetic compensation in $\text{Ti}^{1-x}\text{Mn}_x\text{Co}_2\text{O}_4$ spinel. Journal of Physics Condensed Matter, 2020, 32, 245801.	0.7	8
3	Ferromagnetism versus slow paramagnetic relaxation in Fe-doped collapsed tetragonal phase as a strongly covalent and fully non-magnetic state. Persistent magnetism with interlayer As-As bond formation in Rh-doped CaBO_8 . Physical Review B, 2016, 93, 040407.	3.1	6
4	Pressure tuning of charge ordering in iron oxide. Nature Communications, 2018, 9, 4142.	1.1	6
5	Relaxation dynamics in the one-dimensional organic charge-transfer salt K_2NiF_6 . Physical Review B, 2018, 97, .	5.8	22
6	Low-Temperature Lattice Effects in the Spin-Liquid Candidate $\text{Ir}^{2+}(\text{BEDT-TTF})_2\text{Cu}_2(\text{CN})_3$. Crystals, 2018, 8, 87.	1.0	12
7	Pressure dependence of spin canting in ammonium metal formate antiferromagnets. Physical Chemistry Chemical Physics, 2018, 20, 24465-24476.	1.3	7
8	Breakdown of Magnetic Order in the Pressurized Kitaev Iridate $\text{Li}_2\text{Ir}_2\text{O}_7$. Physical Review Letters, 2018, 120, 237202.	2.9	57
9	Structure-property relationships in multiferroic metal formate frameworks under pressure. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1421-C1421.	0.0	0
10	Breakdown of Hooke's law of elasticity at the Mott critical endpoint in an organic conductor. Science Advances, 2016, 2, e1601646.	4.7	41
11	Low-temperature structural investigations of the frustrated quantum antiferromagnets CsMnCl_2 . Physical Review B, 2015, 91, .	1.1	7
12	Reversible tuning of the collapsed tetragonal phase transition in CaFe_2As_2 by separate control of chemical pressure and electron doping. Physical Review B, 2015, 92, .	1.1	7
13	Lattice effects in the quasi-two-dimensional valence-bond-solid Mott insulator $\text{EtMe}_3\text{P}[\text{Pd}(\text{dmit})_2]_2$. Physical Review B, 2014, 89, .	1.1	7
14	Magnetoelastic couplings in the distorted diamond-chain compound azurite. Physical Review B, 2014, 89, .	1.1	9
15	First-order structural transition in the multiferroic perovskite-like formate $[(\text{CH}_3)_2\text{NH}_2][\text{Mn}(\text{HCOO})_3]$. CrystEngComm, 2014, 16, 3558.	1.3	80
16	Lattice Strain Accompanying the Colossal Magnetoresistance Effect in EuB_6 . Physical Review Letters, 2014, 113, 067202.	2.9	17
17	Critical phenomena at the antiferromagnetic phase transition of azurite. Journal of the Korean Physical Society, 2013, 62, 2193-2196.	0.3	2

#	ARTICLE	IF	CITATIONS
19	High-resolution thermal expansion measurements under helium-gas pressure. Review of Scientific Instruments, 2012, 83, 085111. Temperature dependence of structural and electronic properties of the spin-liquid candidate $\hat{\rho}$ -(BEDT-TTF)	0.6	22
20	Field-induced length changes in the spin-liquid candidate $\hat{\rho}$ -(BEDT-TTF) ₂ Cu ₂ (CN) ₃ . Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1180-1182.	1.1	54
21	Phase transition and lattice distortion in the proposed spin-liquid system. Physica B: Condensed Matter, 2010, 405, S182-S184. Lattice Effects and Entropy Release at the Low-Temperature Phase Transition in the Spin-Liquid Candidate $\hat{\rho}$ -(BEDT-TTF) ₂ Cu ₂ (CN) ₃	0.8	2
22	Controlling metal nanotoppings on the tip of silicide nanostructures. Nanotechnology, 2009, 20, 245605.	1.3	1
23	Magnetic properties of CoFe ₂ O ₄ synthesized by solid state, citrate precursor and polymerized complex methods: A comparative study. Journal of Alloys and Compounds, 2008, 453, 298-303.	2.9	99
24			
25			