

Aga Shahee

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

284
citations

9
h-index

15
g-index

45
ext. papers

384
ext. citations

3.8
avg, IF

3.29
L-index

#	Paper	IF	Citations
36	Explore the charge transfer and d-d excitation in perovskite manganite using 2p3d resonant inelastic X-ray scattering. <i>Journal of Alloys and Compounds</i> , 2022 , 904, 164020	5.7	
35	Effect on optical and structural parameters in heavy Ca-doped ZnO nanostructures. <i>Materials Technology</i> , 2021 , 36, 529-540	2.1	2
34	Gapless Quantum Spin Liquid in the Triangular System Sr ₃ CuSb ₂ O ₉ . <i>Physical Review Letters</i> , 2020 , 125, 267202	7.4	1
33	Contrasting temperature dependence of the band gap in CH ₃ NH ₃ PbX ₃ (X=I, Br, Cl): Insight from lattice dilation and electron-phonon coupling. <i>Physical Review B</i> , 2020 , 102,	3.3	9
32	Impact of annealing on the structural and optical properties of ZnO nanoparticles and tracing the formation of clusters via DFT calculation. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 2207-2218	5.9	25
31	Structural, thermodynamic, and local probe investigations of the honeycomb material Ag ₃ LiMn ₂ O ₆ . <i>Physical Review B</i> , 2019 , 99,	3.3	6
30	Dislocations and particle size governed band gap and ferromagnetic ordering in Ni doped ZnO nanoparticles synthesized via co-precipitation. <i>Ceramics International</i> , 2019 , 45, 23341-23354	5.1	23
29	The spin-1/2 coupled tetramer system Ba(TiO) Cu ₄ (PO ₄) ₄ probed by magnetization, specific heat, and ³¹ P NMR. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 492, 165600	2.8	1
28	Unconventional magnetism in the 4d ₄ -based S=1 honeycomb system Ag ₃ LiRu ₂ O ₆ . <i>Physical Review B</i> , 2019 , 99,	3.3	7
27	Charge orbital and spin ordering transitions in La _{1-x} Sr _x MnO ₃ (x=0.67 & 0.71). <i>Journal of Alloys and Compounds</i> , 2019 , 782, 277-287	5.7	3
26	Magnetic field-induced ferroelectricity in S = 1/2 kagome staircase compound PbCu ₃ TeO ₇ . <i>Npj Quantum Materials</i> , 2018 , 3,	5	8
25	Magnetocaloric effect and magnetic properties of the isovalent Sr ²⁺ substituted Ba ₂ FeMoO ₆ double perovskite. <i>Ceramics International</i> , 2017 , 43, 10080-10088	5.1	27
24	Nano scale phase coexistence and charge-ordering with 3d x 2 -y 2 orbital-ordering in La _{0.25} Sr _{0.75} MnO ₃ . <i>Journal of Alloys and Compounds</i> , 2017 , 714, 79-88	5.7	2
23	Infield X-ray diffraction studies of field and temperature driven structural phase transition in Nd _{0.49} Sr _{0.51} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 434, 174-180	2.8	2
22	Studies on magnetic field and temperature driven magneto-structural phase transition in La _{0.5} Sr _{0.5} MnO ₃ . <i>Journal of Alloys and Compounds</i> , 2017 , 708, 734-742	5.7	2
21	Geometrical frustration in a new S = 1 distorted check-board lattice PbCuTeO ₅ 2017 ,		1
20	In-field X-ray and neutron diffraction studies of re-entrant charge-ordering and field induced metastability in La _{0.175} Pr _{0.45} Ca _{0.375} MnO ₃ . <i>Journal of Applied Physics</i> , 2017 , 122, 175902	2.5	2

19	Charge ordering in B-site Mo doped $\text{Pr}_{0.20}\text{Sr}_{0.80}\text{Mn}_{1-x}\text{Mo}_x\text{O}_3$ <i>Journal of Alloys and Compounds</i> , 2017 , 722, 878-887	5-7	
18	Complex dielectric and impedance behavior of magnetoelectric Fe_2TiO_5 . <i>Journal of Alloys and Compounds</i> , 2016 , 663, 289-294	5-7	49
17	Structural, electronic and magnetic properties of $\text{Sm}_{0.55}\text{Sr}_{0.45-x}\text{Ag}_x\text{MnO}_3$ (0.00 \leq x \leq 0.10) system. <i>Journal of Alloys and Compounds</i> , 2016 , 661, 216-220	5-7	2
16	Low-temperature high magnetic field powder x-ray diffraction setup for field-induced structural phase transition studies from 2 to 300 K and at 0 to 8-T field. <i>Review of Scientific Instruments</i> , 2016 , 87, 105110	1-7	7
15	Strong charge ordering above room temperature in B-site disordered electron-doped manganite $\text{SrMn}_{0.875}\text{Mo}_{0.125}\text{O}_3$ <i>Materials Research Express</i> , 2015 , 2, 046106	1-7	3
14	Comment on Quantum paraelectric glass state in $\text{SrCu}_3\text{Ti}_4\text{O}_{12}$ [Appl. Phys. Lett. 104, 262905 (2014)]. <i>Applied Physics Letters</i> , 2015 , 106, 026101	3-4	2
13	Development of low temperature and high magnetic field X-ray diffraction facility 2015 ,		5
12	Oxygen stoichiometry: A key parameter to tune structural phase diagram of $\text{La}_{0.2}\text{Sr}_{0.8}\text{MnO}_3$ 2015 ,		1
11	Evidence of ferromagnetic short-range correlations in cubic $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ (x = 0.80, 0.85) above antiferromagnetic ordering. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 1832-1838	1-3	12
10	Oxygen-deficiency-induced suppression of JT distortion and stabilization of charge ordering in $\text{La}_{0.2}\text{Sr}_{0.8}\text{MnO}_3$ <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 965-973	1-3	8
9	Effect of oxygen off-stoichiometry on coupled structural and magnetic phase-transitions in $\text{La}_{0.15}\text{Sr}_{0.85}\text{MnO}_3$ (x = 0.02, 0.14). <i>Solid State Communications</i> , 2014 , 177, 84-88	1-6	9
8	Direct visualization of cubic to tetragonal phase transition in $\text{La}_{0.2}\text{Sr}_{0.8}\text{MnO}_3$ using transmission electron microscopy. <i>Physica B: Condensed Matter</i> , 2014 , 448, 290-296	2-8	2
7	Multiglass properties and magnetoelectric coupling in the uniaxial anisotropic spin-cluster-glass Fe_2TiO_5 . <i>Physical Review B</i> , 2014 , 90,	3-3	39
6	Kinetic arrest of the first-order to R3c Pbnm phase transition in supercooled $\text{La}_x\text{MnO}_{(3+x)}$ (x = 1 and 0.9). <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 225405	1-8	9
5	Lattice expansion in ZnSe quantum dots. <i>Materials Letters</i> , 2011 , 65, 1625-1627	3-3	3
4	Low Cost Ferroelectric Loop Study Set up With New and Simple Compensation Circuit: Operated at Variable Frequencies. <i>Ferroelectrics, Letters Section</i> , 2011 , 38, 78-85	0-5	6
3	Structural studies on Multiferroic $\text{La}_{1-x}\text{Bi}_x\text{CrO}_3$ Perovskites 2011 ,		2
2	Observation of Spin-Induced Ferroelectricity in a Layered van der Waals Antiferromagnet CuCrP_2S_6 . <i>Advanced Electronic Materials</i> , 2101072	6-4	1

- 1 Observation of Anomalously Large Magnetoelectric Coupling in the Hexagonal Z-Type Ferrite Films. *Advanced Electronic Materials*, 2101294

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