

Lokanath Patra

List of Publications by Year in descending order

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papers

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1307594

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docs citations

17
times ranked

151
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface stability of WN ultrathin films under O ₂ and H ₂ O exposure: A first-principles study. Applied Surface Science, 2022, 588, 152940.	6.1	5
2	Mechanical properties of 2D materials: A review on molecular dynamics based nanoindentation simulations. Materials Today Communications, 2022, 31, 103623.	1.9	12
3	Pursuit of stability, electronic and thermoelectric properties of novel PdVGa half heusler compound. Solid State Communications, 2022, 351, 114796.	1.9	11
4	Lithium inserted ZnSnN ₂ thin films for solar absorber: n to p-type conversion. Materials Today Chemistry, 2022, 25, 100957.	3.5	5
5	Orientation-dependent mechanical response of graphene/BN hybrid nanostructures. Nanotechnology, 2021, 32, 235703.	2.6	8
6	Effect of Electron Doping on the Crystal Structure and Physical Properties of an $n = 3$ Ruddlesden-Popper Compound La ₄ Ni ₃ O ₁₀ . ACS Applied Electronic Materials, 2021, 3, 2671-2684.	4.3	1
7	Ozonation of Group-IV Elemental Monolayers: A First-Principles Study. ACS Omega, 2021, 6, 19546-19552.	3.5	3
8	Stability and electronic properties of the graphene-supported FeO nanostructures including clusters and monolayer. Applied Surface Science, 2021, 569, 150976.	6.1	4
9	Orientation-Dependent Electronic and Mechanical Properties of Tungsten Nitride Nanosheets: Implications for Flexible Devices. ACS Applied Nano Materials, 2021, 4, 13771-13777.	5.0	7
10	Li-rich Li ₆ MnxFe(1-x)S ₄ as cathode material for Li-ion battery. AIP Conference Proceedings, 2019, , .	0.4	0
11	Giant Magnetoelectric Coupling in Multiferroic PbTiV ₃ O ₃ from Density Functional Calculations. ACS Omega, 2019, 4, 16743-16755.	3.5	1
12	Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO ₃ -Based Perovskites. Chemistry of Materials, 2019, 31, 1296-1303.	6.7	29
13	Metamagnetism stabilized giant magnetoelectric coupling in ferroelectric xBaTiO ₃ (1-x)BiCoO ₃ solid solution. Physical Chemistry Chemical Physics, 2018, 20, 7021-7032.	2.8	8
14	Theoretical investigation of the magnetoelectric properties of Bi ₂ NiTiO ₆ . AIP Conference Proceedings, 2018, , .	0.4	0
15	Magnetoelectric properties of Pb free Bi ₂ FeTiO ₆ : A theoretical investigation. AIP Conference Proceedings, 2018, , .	0.4	0
16	Theoretical and experimental investigation on structural, electronic and magnetic properties of layered Mn ₅ O ₈ . Physical Chemistry Chemical Physics, 2016, 18, 27885-27896.	2.8	14
17	Electronic and Magnetic Structures of Hole Doped Trilayer La ₄ SrNi ₃ O ₈ from First-Principles Calculations. Inorganic Chemistry, 2016, 55, 11898-11907.	4.0	9