Hena Das

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/180715/publications.pdf

Version: 2024-02-01

28 papers	1,221 citations	516710 16 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	2314 citing authors

#	Article	IF	Citations
1	Exploring the correlation between the spin-state configuration and the magnetic order in Co-substituted <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub><m Physical Review Materials, 2022, 6, .	2.4	1
2	Investigation into Cation-Ordered Magnetic Polar Double Perovskite Oxides. Chemistry of Materials, 2021, 33, 1594-1606.	6.7	22
3	Observation of novel charge ordering and spin reorientation in perovskite oxide PbFeO3. Nature Communications, 2021, 12, 1917.	12.8	17
4	High-Pressure Synthesis and Lithium-Ion Conduction of Li₄OBr₂ Derivatives with a Layered Inverse-Perovskite Structure. Chemistry of Materials, 2021, 33, 9194-9201.	6.7	8
5	Exploring the possible origin of the spin reorientation transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NdCrO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:m Physical Review Materials, 2021, 5, .	2.4	3
6	Quantum transport evidence of Weyl fermions in an epitaxial ferromagnetic oxide. Nature Communications, 2020, 11, 4969.	12.8	71
7	Site-specific spectroscopic measurement of spin and charge in (LuFeO3)m/(LuFe2O4)1 multiferroic superlattices. Nature Communications, 2020, 11, 5582.	12.8	9
8	Lithium Ion Conduction in a Cation-Deficient Quadruple Perovskite LiCuTa₃O₉ Epitaxial Thin Film: Theoretical and Experimental Investigations. Chemistry of Materials, 2020, 32, 9753-9760.	6.7	1
9	Stabilized Charge, Spin, and Orbital Ordering by the 6s2 Lone Pair in Bi0.5Pb0.5MnO3. Inorganic Chemistry, 2020, 59, 13390-13397.	4.0	2
10	Polarâ€“Nonpolar Phase Transition Accompanied by Negative Thermal Expansion in Perovskite-Type Bi_{1â€“x}Pb_xNiO₃. Chemistry of Materials, 2019, 31, 4748-4758.	6.7	21
11	Strain Manipulation of Magnetic Anisotropy in Room-Temperature Ferrimagnetic Quadruple Perovskite CeCu₃Mn₄O₁₂. ACS Applied Electronic Materials, 2019, 1, 2514-2521.	4.3	5
12	Hydrothermal Synthesis of Pyrochlore-Type Pentavalent Bismuthates Ca₂Bi₂O₇ and Sr₂Bi₂O₇. Inorganic Chemistry, 2019, 58, 1759-1763.	4.0	18
13	First-Principles Simulation of the (Liâ€“Niâ€“Vacancy)O Phase Diagram and Its Relevance for the Surface Phases in Ni-Rich Li-Ion Cathode Materials. Chemistry of Materials, 2017, 29, 7840-7851.	6.7	79
14	Imaging Local Polarization and Domain Boundaries with Picometer-Precision Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2016, 22, 898-899.	0.4	0
15	Atomically engineered ferroic layers yield a room-temperature magnetoelectric multiferroic. Nature, 2016, 537, 523-527.	27.8	275
16	Linear magnetoelectricity at room temperature in perovskite superlattices by design. Physical Review B, 2015, 92, .	3.2	20
17	Imaging Local Polarization and Domain Boundaries in Multiferroic (LuFeO3)m/(LuFe2O4)n Superlattices. Microscopy and Microanalysis, 2015, 21, 1303-1304.	0.4	0
18	Direct visualization of magnetoelectric domains. Nature Materials, 2014, 13, 163-167.	27.5	112

#	ARTICLE	IF	CITATIONS
19	iciples study of magnetoelastic effect in the difluoride compounds<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>M</mml:mi></mml:math>F<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		