

Churna Bhandari

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

278
citations

1040056

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888059

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21
all docs

21
docs citations

21
times ranked

488
citing authors

#	ARTICLE	IF	CITATIONS
1	of the electronic band structure of bulk and monolayer All-electron quasiparticle self-consistent Phonons and related spectra in bulk and monolayer including lattice polarization corrections in different phases. Physical Review Materials, 2018, 2, .	3.2	43
2	band structures for including lattice polarization corrections in different phases. Physical Review Materials, 2018, 2, .	2.4	32
3	V₂O₅: A 2D van der Waals Oxide with Strong In-Plane Electrical and Optical Anisotropy. ACS Applied Materials & Interfaces, 2017, 9, 23949-23956.	8.0	30
4	Lattice polarization effects on the screened Coulomb interaction approximation. Physical Review Materials, 2017, 1, .	2.4	28
5	Phonons and related spectra in bulk and monolayer Distortion modes in halide perovskites: To twist or to stretch, a matter of tolerance and lone pairs. Physical Review Materials, 2018, 2, .	3.2	26
6	Distortion modes in halide perovskites: To twist or to stretch, a matter of tolerance and lone pairs. Physical Review Materials, 2018, 2, .	2.4	26
7	Multiconfigurational study of the negatively charged nitrogen-vacancy center in diamond. Physical Review B, 2021, 103, .	3.2	18
8	Electronic structure and optical properties of Sr₂IrO₄ under epitaxial strain. New Journal of Physics, 2019, 21, 013036.	2.9	13
9	Spin-orbital entangled two-dimensional electron gas at the interface. Physical Review B, 2018, 98, .	3.2	9
10	Spin-orbital entangled two-dimensional electron gas at the interface. Physical Review B, 2018, 98, .	3.2	9
11	Enhanced magnetic anisotropy in lanthanum M-type hexaferrites by quantum-confined charge transfer. Physical Review Materials, 2021, 5, .	2.4	8
12	Effect of structural distortion on the electronic band structure of studied within density functional theory and a three-orbital model. Physical Review B, 2018, 97, .	3.2	7
13	Vibrational modes in the Pmc21 structure of ZnGeN2. Solid State Communications, 2016, 233, 46-49.	1.9	6
14	Instability of the layered orthorhombic post-perovskite phase of SrTiO3 and other candidate orthorhombic phases under pressure. Solid State Communications, 2018, 274, 27-30.	1.9	5
15	Magnetization reversal driven by electron localization-delocalization crossover in the inverse spinel Physical Review B, 2022, 105, .	3.2	5
16	Enhancing stability and magnetism of -type cerium-iron intermetallics by site substitution. Physical Review Research, 2022, 4, .	3.0	5
17	Spin-orbit coupling induced magnetic anisotropy and large spin wave gap in NaOsO₃. Journal of Physics Communications, 2018, 2, 115016.	1.2	4
18	Effect of epitaxial strain on the optical properties of NaOsO3. Journal of Physics and Chemistry of Solids, 2019, 128, 265-269.	4.0	4

#	ARTICLE	IF	CITATIONS
19	Dielectric screening and electric field control of ferromagnetism at the CaMnO_3 interface. Physical Review B, 2021, 104, .		
20	Publisher's Note: Phonons and related spectra in bulk and monolayer V_2O_5 [Phys. Rev. B 89, 045109 (2014)]. Physical Review B, 2014, 89, .	3.2	0
21	Two dimensional electron gas in the δ -doped iridates with strong spin-orbit coupling: $\text{La}_{\delta}\text{Sr}_2\text{IrO}_4$. Journal of Physics Condensed Matter, 2019, 31, 435505.	1.8	0