

Rehan Ullah

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

285
citations

840585

11
h-index

1058333

14
g-index

14
all docs

14
docs citations

14
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-dependent elasto-mechanical stability and thermoelectric properties of MYbF_3 (M = Rb, Cs) materials for renewable energy. International Journal of Energy Research, 2021, 45, 8711-8723.	2.2	48
2	Ab initio study for the structural, electronic, magnetic, optical, and thermoelectric properties of K_2OsX_6 (X = Cl, Br) compounds. International Journal of Energy Research, 2020, 44, 9035-9049.	2.2	36
3	Insight into pressure tunable structural, electronic and optical properties of "Equation missing" Cs_2NbCl_6 via DFT calculations. European Physical Journal Plus, 2020, 135, 1.	1.2	32
4	Structural, electronic and optical properties of cubic perovskite RbYbF_3 under pressure: a first principles study. Materials Research Express, 2019, 6, 125901.	0.8	27
5	The significance of anti-fluorite Cs_2NbI_6 via its structural, electronic, magnetic, optical and thermoelectric properties. International Journal of Energy Research, 2020, 44, 10179-10191.	2.2	25
6	Modeling of structural, elastic, mechanical, acoustical, electronic and thermodynamic properties of XPdF_3 (X = Rb, Tl) perovskites through density functional theory. Physica Scripta, 2020, 95, 075705.	1.2	24
7	An investigation of half-metallic variant perovskites A_2NbCl_6 (A = K, Rb) for spintronic based applications. Journal of Solid State Chemistry, 2021, 293, 121823.	1.4	14
8	Effect of cation exchange on structural, electronic, magnetic and transport properties of Ba_2MReO_6 (M = Al, Gd). Journal of Magnetism and Magnetic Materials, 2022, 546, 168816.	1.0	14
9	Pressure induced structural, electronic, optical and thermal properties of CsYbBr_3 , a theoretical investigation. Journal of Materials Research and Technology, 2021, 10, 687-696.	2.6	13
10	An investigation of structural, elastic, mechanical, electronic, magnetic and thermoelectric properties of ferromagnetic half metallic EuCrO_3 . Materials Science in Semiconductor Processing, 2021, 122, 105487.	1.9	12
11	Spin-based transport properties of Cs_2WX_6 (X = Cl, Br) ferromagnets for spin-injected thermoelectric current. European Physical Journal Plus, 2021, 136, 1.	1.2	12
12	Influence of the spin-orbit coupling effect on the electronic and thermoelectric properties of Cs_2MI_6 (M = Zr, Hf) variant perovskites. Materials Research Bulletin, 2021, 134, 111112.	2.7	11
13	Exploring electronic, structural, magnetic and thermoelectric properties of novel $\text{Ba}_2\text{EuMoO}_6$ double perovskite. Materials Science in Semiconductor Processing, 2022, 137, 106218.	1.9	10
14	Modeling of bulk modulus of A_2BX_6 cubic crystals (A = K, Cs, Rb, Tl, NH_4 ; B = tetravalent cation; X = F, Cl, Br, I) via first principles calculations. Journal of Materials Research and Technology, 2022, 11, 106218.	1.8	10