Afzal Khan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11160512/publications.pdf

Version: 2024-02-01

18	352	840776 11	839539 18
papers	citations	h-index	g-index

18	18	18	200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pressureâ€dependent <scp>elastoâ€mechanical</scp> stability and thermoelectric properties of <scp> MYbF ₃ </scp> (M = Rb, Cs) materials for renewable energy. International Journal of Energy Research, 2021, 45, 8711-8723.	4.5	48
2	Ab initio study for the structural, electronic, magnetic, optical, and thermoelectric properties of <scp> K ₂ OsX ₆ </scp> (X = Cl, Br) compounds. International Journal of Energy Research, 2020, 44, 9035-9049.	4.5	36
3	Insight into pressure tunable structural, electronic and optical properties of "Equation missing" <!-- No EquationSource Format="TEX", only image --> via DFT calculations. European Physical Journal Plus, 2020, 135, 1.	2.6	32
4	A theoretical study of the structural, thermoelectric, and spinâ€orbit coupling influenced optoelectronic properties of CsTmCl₃ halide perovskite. International Journal of Quantum Chemistry, 2020, 120, e26141.	2.0	31
5	First principles study of Cu based Delafossite Transparent Conducting Oxides CuXO2 (X=Al, Ga, In, B,) Tj ETQq1 1 0.784314 rgBT /Ov	4.0	28
6	Structural, electronic and optical properties of cubic perovskite RbYbF₃ under pressure: a first principles study. Materials Research Express, 2019, 6, 125901.	1.6	27
7	The role of Al doping on ZnO nanowire evolution and optical band gap tuning. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	24
8	Modeling of structural, elastic, mechanical, acoustical, electronic and thermodynamic properties of XPdF₃ (X = Rb, Tl) perovskites through density functional theory. Physica Scripta, 2020, 95, 075705.	2.5	24
9	First principles calculations for structural, elastic, mechanical, electronic and optical properties of CsYbCl₃. Materials Research Express, 2019, 6, 065905.	1.6	23
10	DFT Investigations of Structural, Magnetic, Electronic, and Optical Properties of CsEuCl3. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1045-1051.	1.8	15
11	Effect of cation exchange on structural, electronic, magnetic and transport properties of Ba2MReO6 (MÂ=ÂIn, Gd). Journal of Magnetism and Magnetic Materials, 2022, 546, 168816.	2.3	14
12	Influence of the spin-orbit coupling effect on the electronic and thermoelectric properties of Cs2MI6 (M = Zr, Hf) variant perovskites. Materials Research Bulletin, 2021, 134, 111112.	5.2	11
13	Engel-Vosko GGA calculations of the structural, electronic and optical properties of LiYO 2. Physica B: Condensed Matter, 2017, 521, 62-68.	2.7	10
14	Exploring electronic, structural, magnetic and thermoelectric properties of novel Ba2EuMoO6 double perovskite. Materials Science in Semiconductor Processing, 2022, 137, 106218.	4.0	10
15	<scp>Magnetoelectronic</scp> properties of ferromagnetic compounds <scp>Rb₂TaZ₆</scp> (Z = Cl, Br) for possible spintronic applications. International Journal of Quantum Chemistry, 2020, 120, e26357.	2.0	9
16	First principles study of the spinâ€“orbit interaction effect on the opto-electric properties of lead telluride. Materials Science in Semiconductor Processing, 2016, 41, 83-88.	4.0	4
17	Hybrid functional calculations of optoelectronic properties of ultra-wide bandgap LiSmO2: A first-principle study. Solid State Communications, 2022, 342, 114619.	1.9	4
18	Ab initiostudy of the electronic and optical properties of Ag₃AuS₂polymorphs. Materials Research Express, 2017, 4, 085907.	1.6	2