Zahid Ali

List of Publications by Year
in descending order

Version: 2024-02-01

59 papers	958 citations	471509 17 h-index	501196 28 g-index
59 all docs	59 docs citations	59 times ranked	650 citing authors

#	Article	IF	Citations
1	Structural and optoelectronic properties of CsLnZnTe3 (LnÂ= La, Pr, Nd and Sm). Journal of Rare Earths, 2023, 41, 388-396.	4.8	4
2	Hybrid DFT study of structural, electronic, magnetic and elastic properties of laves phase binary intermetallics RFe2 (RÂ= La, Ce, Pr and Nd). Journal of Rare Earths, 2023, 41, 1367-1375.	4.8	7
3	Electronic structure and magnetic properties of the perovskites SrTMO3 (TM = Mn, Fe, Co, Tc, Ru, Rh,) Tj ETQq1 1 0.784314 rgBT /Ov	2.7	25
4	First-principles study of the structural and optoelectronic properties of ANbO3 (A = Na, K and Rb) in four crystal phases. Materials Science in Semiconductor Processing, 2022, 139, 106364.	4.0	17
5	Structural, Electronic, Elastic and Magnetic Properties of Ln3QIn (Ln = Ce, Pr and Nd; Q = C and N) anti-perovskites. Journal of Electronic Materials, 2022, 51, 2819-2827.	2.2	3
6	New anti-ferromagnetic tri-transition quaternary perovskites for magnetic cloaking and spintronic applications. Materials Chemistry and Physics, 2022, 282, 125915.	4.0	9
7	Electronic structure, elastic and magnetic properties of the binary intermetallics RFe2 (Râ€‰=â€‰Eu, Gd and) Tj ETQq1 1 0.784314 rg	2.5	3
8	First principle study of opto-electronic and thermoelectric properties of Zintl Phase XIn2Z2 (Xâ€‰=â€‰Ca, Sr) Tj ETQq0 0 0 rgBT /Ove	2.3	8
9	Optoelectronic, elastic and thermoelectric properties of the perovskites (Sr3N)Sb and (Sr3N)Bi. Materials Science in Semiconductor Processing, 2022, 147, 106734.	4.0	2
10	n-Type narrow band gap A₃InAs₃ (Aâ€‰=â€‰Sr and Eu) Zintl phase semiconductors for optoelectronic and thermoelectric applications. Journal of Taibah University for Science, 2022, 16, 660-669.	2.5	10
11	Structural, electronic, optical and thermoelectric properties in the phases of AgTaO3. Materials Science in Semiconductor Processing, 2021, 122, 105467.	4.0	7
12	Elastic and Optoelectronic Properties of Cs2NaMCl6 (M = In, Tl, Sb, Bi). Journal of Electronic Materials, 2021, 50, 456-466.	2.2	33
13	The effect of potassium insertion on optoelectronic properties of cadmium chalcogenides. Materials Science in Semiconductor Processing, 2021, 122, 105466.	4.0	7
14	Spin-orbit coupling effect on the optoelectronic and thermoelectric properties of the perovskites A3SnO (A = Ca, Sr and Ba). Materials Science in Semiconductor Processing, 2021, 132, 105905.	4.0	11
15	Electronic structure, optical and magnetic properties of double Perovskites La2MTiO6 (M = Co, Ni, Cu) Tj ETQq1 1 0.784314 rgBT /Ov	4.0	15
16	Electronic Structure, Mechanical and Magnetic Properties of the Quaternary Perovskites CaA3V4O12 (Aâ€‰=â€‰Mn, Fe, Co, Ni and Cu). Journal of Electronic Materials, 2020, 49, 1230-1242.	2.2	12
17	Electronic structure and magnetic properties of the Mg-rich intermetallic NdNiMg5 by hybrid density functional theory. Intermetallics, 2020, 127, 106969.	3.9	1
18	Electronic structure and magnetic properties of the quaternary perovskites LnMn₃V₄O₁₂ (Lnâ€‰=â€‰La, Nd and Gd). Philosophical Magazine, 2020, 100, 2386-2401.	1.6	5

#	Article	IF	Citations
19	Effects of A-Site cation on the Physical Properties of Quaternary Perovskites AMn3V4O12 (A= Ca, Ce) Tj ETQq1 1 0.784314 rgBT /Overlock	4.0	14
20	Theoretical Investigations of Quaternary Semiconductors CsInCdTe3 (Lnâ€‰=â€‰La, Pr, Nd and Sm). Journal of Electronic Materials, 2020, 49, 3357-3366.	2.2	16
21	Effects of Ni Substitution on the Electronic Structure and Magnetic Properties of Perovskite SrFeO3. Journal of Electronic Materials, 2020, 49, 3780-3790.	2.2	19
22	Optoelectronic properties of the double perovskites Ba2MMâ€²O6 (M= Sc, Y, La; Mâ€²= Nb, Ta) by modified Becke-Johnson potential. , 2020, , .		0
23	Structural, optoelectronic and elastic properties of quaternary perovskites CaPd₃B₄O12 (B = Ti, V). International Journal of Modern Physics B, 2019, 33, 1950212.	2.0	6
24	First-principles study of BiFeO₃and BaTiO₃in tetragonal structure. International Journal of Modern Physics B, 2019, 33, 1950231.	2.0	40
25	First principles studies of CsLnCdTe3 (LnÂ= Gdâ€“Tm) for green energy resources. Computational Condensed Matter, 2019, 21, e00427.	2.1	7
26	First-Principles Study of Perovskite Molybdates AMoO3 (Aâ€‰=â€‰Ca, Sr, Ba). Journal of Electronic Materials, 2019, 48, 1730-1739.	2.2	23
27	First principle studies of structural, magnetic and elastic properties of orthorhombic rare-earth diaurides intermetallics RAu2 (R=La, Ce, Pr and Eu). Materials Chemistry and Physics, 2018, 212, 44-50.	4.0	11
28	First-Principles Study of Electronic Structure, Mechanical, and Thermoelectric Properties of Ternary Palladates CdPd3O4 and TlPd3O4. Journal of Electronic Materials, 2018, 47, 1871-1880.	2.2	4
29	HKUST-1 Supported on Zirconium Phosphate as an Efficient Catalyst for Solvent Free Oxidation of Cyclohexene: DFT Study. Catalysts, 2018, 8, 546.	3.5	3
30	Theoretical studies of the electronic structure and magnetic properties of aluminum-rich intermetallic alloy Al13Fe₄. International Journal of Modern Physics B, 2018, 32, 1850201.	2.0	4
31	Effects of cobalt substitution on the physical properties of the perovskite strontium ferrite. Materials Chemistry and Physics, 2017, 196, 222-228.	4.0	26
32	First-principle studies of the optoelectronic properties of ASnF₃ (A = Na, K, Rb and Cs). International Journal of Modern Physics B, 2017, 31, 1750148.	2.0	18
33	Structural, Mechanical and Optoelectronic Properties of Y2M2O7 (M = Ti, V and Nb) Pyrochlores: A First Principles Study. Journal of Electronic Materials, 2017, 46, 4640-4648.	2.2	5
34	Electron correlation and spin-orbit coupling effects in scandium intermetallic compounds ScTM (TM) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	5
35	First principle studies of electronic and magnetic properties of Lanthanide-Gold (RAu) binary intermetallics. Journal of Magnetism and Magnetic Materials, 2017, 422, 458-463.	2.3	13
36	The Influence of Oxygen Substitution on the Optoelectronic Properties of ZnTe. Journal of Chemistry, 2016, 2016, 1-8.	1.9	1

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37	Electronic structure of the LiAAâ€²O6 (AÂ=ÂNb, Ta, and Aâ€²Â=ÂW, Mo) ceramics by modified Becke-Johnson potential. Optical Materials, 2016, 58, 466-475.	3.6	10
38	First-principle studies of the ternary palladates CaPd3O4 and SrPd3O4. Bulletin of Materials Science, 2016, 39, 1861-1870.	1.7	6
39	First-principles studies of pure and fluorine substituted alanines. International Journal of Modern Physics B, 2016, 30, 1650079.	2.0	6
40	Thermoelectric studies of IVâ€“VI semiconductors for renewable energy resources. Materials Science in Semiconductor Processing, 2016, 48, 85-94.	4.0	58
41	Theoretical studies of the osmium based perovskites AOsO3 (A=Ca, Sr and Ba). Journal of Physics and Chemistry of Solids, 2015, 86, 114-121.	4.0	22
42	Theoretical studies of the paramagnetic perovskites MTaO3 (MÂ=ÂCa, Sr and Ba). Materials Chemistry and Physics, 2015, 162, 308-315.	4.0	38
43	Structural and optoelectronic properties of Mg substituted ZTe (Z=Zn, Cd and Hg). Journal of Physics and Chemistry of Solids, 2015, 83, 75-84.	4.0	32
44	Structural and magnetic properties of TlTF3 (T=Fe, Co and Ni) by hybrid functional theory. Journal of Magnetism and Magnetic Materials, 2015, 388, 143-149.	2.3	16
45	Structural, Mechanical and Magneto-Electronic Properties of the Ternary Sodium Palladium and Platinum Oxides. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2015, 70, 815-822.	1.5	1
46	Magneto-electronic studies of the inverse-perovskite (Eu3O)In. Journal of Magnetism and Magnetic Materials, 2015, 381, 34-40.	2.3	5
47	Magneto-electronic studies of anti-perovskites NiNMn3 and ZnNMn3. Computational Materials Science, 2014, 81, 141-145.	3.0	14
48	Density functional studies of magneto-optic properties of CdCoS. Journal of Magnetism and Magnetic Materials, 2014, 351, 60-64.	2.3	10
49	Structural and optoelectronic properties of the zinc titanate perovskite and spinel by modified Beckeâ€“Johnson potential. Physica B: Condensed Matter, 2013, 420, 54-57.	2.7	44
50	Band Profile Comparison of the Cubic Perovskites CaCoO3 and SrCoO3. Journal of Electronic Materials, 2013, 42, 438-444.	2.2	27
51	Robust Half-Metallicity and Magnetic Properties of Cubic Perovskite CaFeO 3. Chinese Physics Letters, 2013, 30, 047504.	3.3	15
52	First principle optoelectronic studies of visible light sensitive CZT. Superlattices and Microstructures, 2013, 63, 91-99.	3.1	15
53	Comparison of the electronic band profiles and magneto-optic properties of cubic and orthorhombic SrTbO3. Physica B: Condensed Matter, 2013, 423, 16-20.	2.7	15
54	Conversion of optically isotropic to anisotropic CdSxSe1â^'x (0â©½xâ©½1) alloy with S concentration. Computational Materials Science, 2013, 77, 145-152.	3.0	48

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55	GGA+U studies of the cubic perovskites BaMO3 (M=Pr, Th and U). Physica B: Condensed Matter, 2013, 410, 217-221.	2.7	41
56	Comparison of band profiles and magnetic properties of the different phases of BaTbO3. Computational Materials Science, 2013, 67, 151-155.	3.0	9
57	Electronic structure of cubic perovskite SnTaO3. Intermetallics, 2012, 31, 287-291.	3.9	55
58	Theoretical studies of structural and magnetic properties of cubic perovskites PrCoO3 and NdCoO3. Physica B: Condensed Matter, 2011, 406, 3800-3804.	2.7	48
59	Bandgap engineering of Cd1â^'xSrxO. Physica B: Condensed Matter, 2011, 406, 2509-2514.	2.7	33