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	Thermoelectric studies of IVâ€“VI semiconductors for renewable energy resources. Materials Science in Semiconductor Processing, 2016, 48, 85-94.	4.0	58
2	Electronic structure of cubic perovskite SnTaO3. Intermetallics, 2012, 31, 287-291.	3.9	55
3	Theoretical studies of structural and magnetic properties of cubic perovskites PrCoO3 and NdCoO3. Physica B: Condensed Matter, 2011, 406, 3800-3804.	2.7	48
4	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
5	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
6	GGA+U studies of the cubic perovskites BaMO3 (M=Pr, Th and U). Physica B: Condensed Matter, 2013, 410, 217-221.	2.7	41
7	First-principles study of BiFeO₃and BaTiO₃in tetragonal structure. International Journal of Modern Physics B, 2019, 33, 1950231.	2.0	40
8	Theoretical studies of the paramagnetic perovskites MTaO3 (MÂ=ÂCa, Sr and Ba). Materials Chemistry and Physics, 2015, 162, 308-315.	4.0	38
9	Bandgap engineering of Cd1â^'xSrxO. Physica B: Condensed Matter, 2011, 406, 2509-2514.	2.7	33
10	Elastic and Optoelectronic Properties of Cs2NaMCl6 (M = In, Tl, Sb, Bi). Journal of Electronic Materials, 2021, 50, 456-466.	2.2	33
11	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
12	Band Profile Comparison of the Cubic Perovskites CaCoO3 and SrCoO3. Journal of Electronic Materials, 2013, 42, 438-444.	2.2	27
13	Effects of cobalt substitution on the physical properties of the perovskite strontium ferrite. Materials Chemistry and Physics, 2017, 196, 222-228.	4.0	26
14	First-Principles Study of Perovskite Molybdates AMoO3 (Aâ€‰=â€‰Ca, Sr, Ba). Journal of Electronic Materials, 2019, 48, 1730-1739.	2.2	23
15	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
16	Electronic structure and magnetic properties of the perovskites SrTMO3 (TM = Mn, Fe, Co, Tc, Ru, Rh,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.7	21
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	Theoretical Investigations of Quaternary Semiconductors CsInCdTe3 (Lnâ€‰=â€‰La, Pr, Nd and Sm). Journal of Electronic Materials, 2020, 49, 3357-3366.	2.2	16
22	Robust Half-Metallicity and Magnetic Properties of Cubic Perovskite CaFeO 3. Chinese Physics Letters, 2013, 30, 047504.	3.3	15
23	First principle optoelectronic studies of visible light sensitive CZT. Superlattices and Microstructures, 2013, 63, 91-99.	3.1	15
24	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
25	Electronic structure, optical and magnetic properties of double Perovskites La2MTiO6 (M = Co, Ni, Cu) Tj ETQq1 1 0.784314 rgBT /Ov	4.0	15
26	Magneto-electronic studies of anti-perovskites NiNMn3 and ZnNMn3. Computational Materials Science, 2014, 81, 141-145.	3.0	14
27	Effects of A-Site cation on the Physical Properties of Quaternary Perovskites AMn3V4O12 (A= Ca, Ce) Tj ETQq1 1 0.784314 rgBT /Ov	4.0	14
28	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
29	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
30	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
31	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
32	Density functional studies of magneto-optic properties of CdCoS. Journal of Magnetism and Magnetic Materials, 2014, 351, 60-64.	2.3	10
33	Electronic structure of the LiAAâ€²2O6 (AÂ=ÂNb, Ta, and Aâ€²Â=ÂW, Mo) ceramics by modified Becke-Johnson potential. Optical Materials, 2016, 58, 466-475.	3.6	10
34	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
35	Comparison of band profiles and magnetic properties of the different phases of BaTbO3. Computational Materials Science, 2013, 67, 151-155.	3.0	9
36	New anti-ferromagnetic tri-transition quaternary perovskites for magnetic cloaking and spintronic applications. Materials Chemistry and Physics, 2022, 282, 125915.	4.0	9

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37	First principle study of opto-electronic and thermoelectric properties of Zintl Phase XIn2Z2 (Xâ€‰=â€‰Ca, Sr) Tj ETQq1 1 0.784314	2.3	8
38	First principles studies of CsLnCdTe3 (LnÂ= Gdâ€'Tm) for green energy resources. Computational Condensed Matter, 2019, 21, e00427.	2.1	7
39	Structural, electronic, optical and thermoelectric properties in the phases of AgTaO3. Materials Science in Semiconductor Processing, 2021, 122, 105467.	4.0	7
40	The effect of potassium insertion on optoelectronic properties of cadmium chalcogenides. Materials Science in Semiconductor Processing, 2021, 122, 105466.	4.0	7
41	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
42	First-principle studies of the ternary palladates CaPd3O4 and SrPd3O4. Bulletin of Materials Science, 2016, 39, 1861-1870.	1.7	6
43	First-principles studies of pure and fluorine substituted alanines. International Journal of Modern Physics B, 2016, 30, 1650079.	2.0	6
44	Structural, optoelectronic and elastic properties of quaternary perovskites CaPd₃B₄O12 (B = Ti, V). International Journal of Modern Physics B, 2019, 33, 1950212.	2.0	6
45	Magneto-electronic studies of the inverse-perovskite (Eu3O)In. Journal of Magnetism and Magnetic Materials, 2015, 381, 34-40.	2.3	5
46	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
47	Electron correlation and spin-orbit coupling effects in scandium intermetallic compounds ScTM (TM) Tj ETQq1 1 0.784314 rgBT /Over	2.0	5
48	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
49	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
50	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
51	Structural and optoelectronic properties of CsLnZnTe3 (LnÂ= La, Pr, Nd and Sm). Journal of Rare Earths, 2023, 41, 388-396.	4.8	4
52	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
53	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
54	Electronic structure, elastic and magnetic properties of the binary intermetallics RFe2 (Râ€‰=â€‰Eu, Gd and) Tj ETQq0 0 0 rgBT /Over	2.5	3

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55	Optoelectronic, elastic and thermoelectric properties of the perovskites (Sr3N)Sb and (Sr3N)Bi. Materials Science in Semiconductor Processing, 2022, 147, 106734.	4.0	2
56	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
57	The Influence of Oxygen Substitution on the Optoelectronic Properties of ZnTe. Journal of Chemistry, 2016, 2016, 1-8.	1.9	1
58	Electronic structure and magnetic properties of the Mg-rich intermetallic NdNiMg5 by hybrid density functional theory. Intermetallics, 2020, 127, 106969.	3.9	1
59	Optoelectronic properties of the double perovskites Ba2MMâ€²O6 (M= Sc, Y, La; Mâ€²= Nb, Ta) by modified Becke-Johnson potential. , 2020, , .		0