Ahmad

List of Publications by Year
in descending order

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41	499	686830 13	713013 21
papers	citations	h-index	g-index

41	41	41	316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elucidating the effect of V_x doped <scp>LaFe_{1â^'x}O₃</scp> for advanced optical, spintronic, and thermoelectric devices. International Journal of Quantum Chemistry, 2022, 122, e26850.	1.0	2
2	Elucidating the influence of high pressure on magnetic attributes of NdFeO3. Polyhedron, 2022, 220, 115796.	1.0	8
3	Effect of pressure on the mechanical, electronic and optical characters of CsSnBr₃ and CsSnI₃: ab-initio study. Modern Physics Letters B, 2021, 35, 2150056.	1.0	11
4	Influence of pressure on piezoelectric, polarizing, and magnetic nature of <scp>SmFeO₃</scp>: A <scp>DFT</scp> study. International Journal of Quantum Chemistry, 2021, 121, e26471.	1.0	8
5	Structural, thermo-elastic, electro-magnetic and thermoelectric attributes of quaternary CoNbMnX (X = Al, Si) Heusler alloys. Solid State Sciences, 2021, 111, 106397.	1.5	12
6	The electronic, magnetic and optical analysis of the AgNiF3 (001) surface: a first-principles approach. Indian Journal of Physics, 2021, 95, 2687-2696.	0.9	0
7	Tuning the electronic and magnetic properties of <scp>CoZr_xNb_{1â^'x}FeSi</scp> alloys for spintronic and thermoelectric applications. International Journal of Quantum Chemistry, 2021, 121, e26628.	1.0	4
8	Investigating the influence of pressure on SrFeO3 and SrMnO3 ferromagnets for high-pressure spintronic devices: a comparative DFT overview. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	4
9	Enlightening the stable ferromagnetic phase of SrAO3(A= Cr, Fe and Co) compounds using spin polarized quantum mechanical approach. Chinese Journal of Physics, 2020, 63, 84-91.	2.0	13
10	Theoretical investigation on orthorhombic XMnO3 (XÂ=ÂNd, Dy and Ho) perovskite manganates using DFT. Chemical Physics Letters, 2020, 760, 138005.	1.2	3
11	Repercussion of pressure on thermodynamic, optoelectronic, thermoelectric and magneto-elastic rectitude of cubic LaFeO3: Quantum DFT perspective. Journal of Alloys and Compounds, 2020, 831, 154600.	2.8	29
12	The Effect of Substituting an X (B, N, O, and F) Atom on the Structural, Magnetic and Optical Properties of Graphene Sheets. Journal of Electronic Materials, 2020, 49, 3225-3233.	1.0	4
13	Influence of pressure on electro-mechanical properties of SrNbO3: A DFT study. High Temperatures - High Pressures, 2020, 48, 399-411.	0.3	1
14	Thermal, electro-magnetic and thermoelectric investigation of CoNb_{1â^'x}Ti_xSn (xâ€‰â€‰=â€‰â€‰0, 0.75, 0.5, 1) half-Heusler alloy. Journal of Physics Condensed Matter, 2019, 31, 505705.	2.7	7
15	First principles calculations of the electronic, optical and thermoelectric performance of RbZn1â^'x NixF₃ (x = 0, 0.25, 0.5, 0.75 and 1) alloys. International Journal of Modern Physics B, 2019, 33, 1950141.	1.0	13
16	Theoretical investigation of the electronic and thermoelectric behavior of CoV2O4 alloy. International Journal of Computational Materials Science and Engineering, 2019, 08, 1950008.	0.5	0
17	Quantum density functional theory studies of structural, elastic, and opto-electronic properties of ZMoO₃ (Z = Ba and Sr) under pressure. Chinese Physics B, 2019, 28, 066101.	0.7	18
18	Influence of Pressure on Optical Transparency and High Electrical Conductivity in CoVSn Alloys: DFT Study. Journal of Electronic Materials, 2019, 48, 2317-2328.	1.0	12

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19	AB INITIO STUDY OF THE ELECTRONIC AND MAGNETIC PROPERTIES OF GRAPHENE WITH AND WITHOUT ADSORPTION OF M ATOM (M = C, N, O, F, Cl). Surface Review and Letters, 2018, 25, 1850069.	0.5	5
20	Ab initio Study of Ag-Based Fluoroperovskite AgMF3 (MÂ=ÂCo and Ni) Compounds. Journal of Electronic Materials, 2018, 47, 887-898.	1.0	26
21	Structural, elastic and optoelectronic properties of the hydrogen based perovskite compounds: Ab-initio study. Chinese Journal of Physics, 2018, 56, 1-9.	2.0	16
22	First principles calculations of Sr-based fluoroperovskite compounds under applied pressure. Chinese Journal of Physics, 2018, 56, 2992-3001.	2.0	3
23	Ab initio study of the effect of hydrogen adsorption on the electronic, magnetic and optical behavior of M-graphene (M = O, F) sheet. International Journal of Modern Physics C, 2018, 29, 1850092.	0.8	3
24	The mechanical, optical and thermoelectric properties of MCoF₃ (M = K and Rb) compounds. Modern Physics Letters B, 2017, 31, 1750033.	1.0	8
25	The mechanical, optoelectronic and thermoelectric properties of NiYSn (Y = Zr and Hf) alloys. International Journal of Modern Physics B, 2017, 31, 1750170.	1.0	17
26	Hydrogen storage in the TiCo and TiNi alloys. International Journal of Modern Physics C, 2017, 28, 1750148.	0.8	2
27	The first-principle study of the electronic, optical and thermoelectric properties of XTiO3 (X = Ca,ÂSr) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	50
28	The elastic, electronic and magnetism structure of the MAl and M 3 Al (M=Fe and Ni) alloy with and without hydrogen atoms. Journal of Magnetism and Magnetic Materials, 2016, 401, 816-822.	1.0	6
29	Ab initio investigation of the structural, electronic, magnetic and optical properties of the perovskite TlMnX₃ (X = F, Cl) compounds. International Journal of Modern Physics B, 2016, 30, 1650031.	1.0	28
30	Multielemental analysis of pharmaceuticals derived from plant seeds by energy dispersive X-ray fluorescence spectrometry. Instrumentation Science and Technology, 2016, 44, 98-113.	0.9	2
31	First-principles calculations of two cubic fluoropervskite compounds: RbFeF3 and RbNiF3. Journal of Magnetism and Magnetic Materials, 2015, 382, 211-218.	1.0	53
32	Thermoluminescence response of multimode fluorine-doped SiO2 optical fibers and TLD 100 with 6 mega volt photon irradiation. High Energy Chemistry, 2015, 49, 146-149.	0.2	1
33	HYDROGEN ADSORPTION ON Î²-TiAl (001) AND Ni/TiAl (001) SURFACES. Surface Review and Letters, 2014, 21, 1450034.	0.5	4
34	Measurements of Natural Radionuclides in Vegetables by Gamma Spectrometry. Journal of Applied Spectroscopy, 2014, 81, 541-545.	0.3	1
35	The elastic, electronic and optical properties of RbCaX₃ (X =) Tj ETQq1 1 0.784314 rgBT /O 1450192.	1.0	14
36	Ab initio study of the structural, electronic and optical properties of the fluoropervskite SrXF3 (X=Li,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	37

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37	Effects of hydrogen adsorption on the electronic and magnetic structures for variant terminations of NbRu (001) and M/NbRu (001) surfaces (M=Fe, Ni). Journal of Magnetism and Magnetic Materials, 2013, 335, 131-138.	1.0	8
38	THE ELECTRONIC AND MAGNETIC STRUCTURES OF TMAl₅H₁₂ SYSTEMS. Surface Review and Letters, 2013, 20, 1350025.	0.5	2
39	The electronic and optical properties of the fluoroperovskite BaXF3 (X=Li, Na, K, and Rb) compounds. Computational Materials Science, 2012, 59, 6-13.	1.4	51
40	Energetics, structural and magnetic ordering of H/Fe/M(001), (M=Cu, Ag) systems. Journal of Magnetism and Magnetic Materials, 2011, 323, 383-388.	1.0	4
41	The influence of hydrogen on the electronic and magnetic structures of TM(001) (TM=Fe, Co, Ni, and) Tj ETQq1 1 0.784314 rgBT /Ove 2010, 322, 780-785.	1.0	9