

Ahmad

List of Publications by Year in descending order

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316
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles calculations of two cubic fluoroperovskite compounds: RbFeF ₃ and RbNiF ₃ . Journal of Magnetism and Magnetic Materials, 2015, 382, 211-218.	1.0	53
2	The electronic and optical properties of the fluoroperovskite BaXF ₃ (X=Li, Na, K, and Rb) compounds. Computational Materials Science, 2012, 59, 6-13.	1.4	51
3	The first-principle study of the electronic, optical and thermoelectric properties of XTiO ₃ (X = Ca, Sr) Tj ETQq1 1 0.784314 rgBT /Over	1.0	50
4	Ab initio study of the structural, electronic and optical properties of the fluoroperovskite SrXF ₃ (X=Li, Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	37
5	Repercussion of pressure on thermodynamic, optoelectronic, thermoelectric and magneto-elastic rectitude of cubic LaFeO ₃ : Quantum DFT perspective. Journal of Alloys and Compounds, 2020, 831, 154600.	2.8	29
6	Ab initio investigation of the structural, electronic, magnetic and optical properties of the perovskite TMnX ₃ (X = F, Cl) compounds. International Journal of Modern Physics B, 2016, 30, 1650031.	1.0	28
7	Ab initio Study of Ag-Based Fluoroperovskite AgMF ₃ (M=Co and Ni) Compounds. Journal of Electronic Materials, 2018, 47, 887-898.	1.0	26
8	Quantum density functional theory studies of structural, elastic, and opto-electronic properties of ZMo ₃ (Z = Ba and Sr) under pressure. Chinese Physics B, 2019, 28, 066101.	0.7	18
9	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
10	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
11	The elastic, electronic and optical properties of RbCaX ₃ (X = F, Cl) Tj ETQq1 1 0.784314 rgBT /Over 1450192.	1.0	14
12	First principles calculations of the electronic, optical and thermoelectric performance of RbZn _{1-x} Ni _x F ₃ (x = 0, 0.25, 0.5, 0.75 and 1) alloys. International Journal of Modern Physics B, 2019, 33, 1950141.	1.0	13
13	Enlightening the stable ferromagnetic phase of SrAO ₃ (A= Cr, Fe and Co) compounds using spin polarized quantum mechanical approach. Chinese Journal of Physics, 2020, 63, 84-91.	2.0	13
14	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
15	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
16	Effect of pressure on the mechanical, electronic and optical characters of CsSnBr ₃ and CsSnI ₃ : ab-initio study. Modern Physics Letters B, 2021, 35, 2150056.	1.0	11
17	The influence of hydrogen on the electronic and magnetic structures of TM(001) (TM=Fe, Co, Ni, and) Tj ETQq1 1 0.784314 rgBT /Over 2010, 322, 780-785.	1.0	9
18	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

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19	The mechanical, optical and thermoelectric properties of $M\text{CoF}_3$ ($M = \text{K}$ and Rb) compounds. <i>Modern Physics Letters B</i> , 2017, 31, 1750033.	1.0	8
20	Influence of pressure on piezoelectric, polarizing, and magnetic nature of SmFeO_3 : A DFT study. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26471.	1.0	8
21	Elucidating the influence of high pressure on magnetic attributes of NdFeO_3 . <i>Polyhedron</i> , 2022, 220, 115796.	1.0	8
22	Thermal, electro-magnetic and thermoelectric investigation of $\text{CoNb}_{1-x}\text{Ti}_x\text{Sn}$ ($x = 0, 0.75, 0.5, 1$) half-Heusler alloy. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 505705.	1.0	7
23	The elastic, electronic and magnetism structure of the $M\text{Al}$ and $M_3\text{Al}$ ($M = \text{Fe}$ and Ni) alloy with and without hydrogen atoms. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 816-822.	1.0	6
24	AB INITIO STUDY OF THE ELECTRONIC AND MAGNETIC PROPERTIES OF GRAPHENE WITH AND WITHOUT ADSORPTION OF M ATOM ($M = \text{C}, \text{N}, \text{O}, \text{F}, \text{Cl}$). <i>Surface Review and Letters</i> , 2018, 25, 1850069.	0.5	5
25	Energetics, structural and magnetic ordering of $\text{H}/\text{Fe}/\text{M}(001)$, ($M = \text{Cu}, \text{Ag}$) systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 383-388.	1.0	4
26	HYDROGEN ADSORPTION ON TiAl (001) AND NiTiAl (001) SURFACES. <i>Surface Review and Letters</i> , 2014, 21, 1450034.	0.5	4
27	The Effect of Substituting an X ($\text{B}, \text{N}, \text{O}$, and F) Atom on the Structural, Magnetic and Optical Properties of Graphene Sheets. <i>Journal of Electronic Materials</i> , 2020, 49, 3225-3233.	1.0	4
28	Tuning the electronic and magnetic properties of $\text{CoZr}_{1-x}\text{Nb}_x\text{FeSi}$ alloys for spintronic and thermoelectric applications. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26628.	1.0	4
29	Investigating the influence of pressure on SrFeO_3 and SrMnO_3 ferromagnets for high-pressure spintronic devices: a comparative DFT overview. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	4
30	First principles calculations of Sr-based fluoroperovskite compounds under applied pressure. <i>Chinese Journal of Physics</i> , 2018, 56, 2992-3001.	2.0	3
31	Ab initio study of the effect of hydrogen adsorption on the electronic, magnetic and optical behavior of M-graphene ($M = \text{O}, \text{F}$) sheet. <i>International Journal of Modern Physics C</i> , 2018, 29, 1850092.	0.8	3
32	Theoretical investigation on orthorhombic XMnO_3 ($X = \text{Nd}, \text{Dy}$ and Ho) perovskite manganates using DFT. <i>Chemical Physics Letters</i> , 2020, 760, 138005.	1.2	3
33	THE ELECTRONIC AND MAGNETIC STRUCTURES OF $\text{TMAl}_5\text{H}_{12}$ SYSTEMS. <i>Surface Review and Letters</i> , 2013, 20, 1350025.	0.5	2
34	Multielemental analysis of pharmaceuticals derived from plant seeds by energy dispersive X-ray fluorescence spectrometry. <i>Instrumentation Science and Technology</i> , 2016, 44, 98-113.	0.9	2
35	Hydrogen storage in the TiCo and TiNi alloys. <i>International Journal of Modern Physics C</i> , 2017, 28, 1750148.	0.8	2
36	Elucidating the effect of V doped $\text{LaFe}_{1-x}\text{O}_3$ for advanced optical, spintronic, and thermoelectric devices. <i>International Journal of Quantum Chemistry</i> , 2022, 122, e26850.	1.0	2

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37	Measurements of Natural Radionuclides in Vegetables by Gamma Spectrometry. Journal of Applied Spectroscopy, 2014, 81, 541-545.	0.3	1
38	Thermoluminescence response of multimode fluorine-doped SiO ₂ optical fibers and TLD 100 with 6 mega volt photon irradiation. High Energy Chemistry, 2015, 49, 146-149.	0.2	1
39	Influence of pressure on electro-mechanical properties of SrNbO ₃ : A DFT study. High Temperatures - High Pressures, 2020, 48, 399-411.	0.3	1
40	Theoretical investigation of the electronic and thermoelectric behavior of CoV ₂ O ₄ alloy. International Journal of Computational Materials Science and Engineering, 2019, 08, 1950008.	0.5	0
41	The electronic, magnetic and optical analysis of the AgNiF ₃ (001) surface: a first-principles approach. Indian Journal of Physics, 2021, 95, 2687-2696.	0.9	0