Bouabdellah Bouadjemi

List of Publications by Year
in descending order

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36	589	623734	642732
papers	citations	14 h-index	23 g-index

36	36	36	318
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Half-metallic ferromagnetism in PrMnO3 perovskite from first principles calculations. Solid State Communications, 2013, 168, 6-10.	1.9	69
2	Thermoelectric, Structural, Optoelectronic and Magnetic properties of double perovskite Sr2CrTaO6: First principle Study. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 245, 68-74.	3.5	51
3	Semiconductor behavior of halide perovskites AGeX3 (Aâ€‰=â€‰K, Rb and Cs; Xâ€‰=â€‰F, Cl and Br): first-principles calculations. Indian Journal of Physics, 2020, 94, 455-467.	1.8	51
4	Ab-initio study of optoelectronic and magnetic properties of the orthorhombic NdMnO3 perovskite. Solid State Communications, 2015, 207, 9-15.	1.9	46
5	First principle study of spintronic properties for double perovskites Ba2XMoO6 with X=V, Cr and Mn. Materials Science in Semiconductor Processing, 2016, 43, 196-208.	4.0	44
6	Effect of Coulomb interactions and Hartree-Fock exchange on structural, elastic, optoelectronic and magnetic properties of Co2MnSi Heusler: A comparative study. Journal of Magnetism and Magnetic Materials, 2016, 419, 74-83.	2.3	28
7	Investigation of DFT+U effect of Holmium rare-earth on the electronic, magnetic and the half-metallic ferromagnetic properties' of double perovskite Ba2HoReO6. Solid State Communications, 2019, 294, 29-35.	1.9	27
8	Lead-Free Semiconductors with High Absorption: Insight into the Optical Properties of K2GeSnBr6 and K2GeSnI6 Halide Double Perovskites. JETP Letters, 2020, 112, 364-369.	1.4	27
9	Optoelectronic properties of germanium iodide perovskites AGeI3 (Aâ€‰=â€‰K, Rb and Cs): first principles investigations. Optical and Quantum Electronics, 2019, 51, 1.	3.3	26
10	Rattling Heusler semiconductors' thermoelectric properties: First-principles prediction. Chinese Journal of Physics, 2019, 57, 195-210.	3.9	19
11	High Spin Polarization and Thermoelectric Efficiency of Half-Metallic Ferromagnetic CrYSn (Y=Ca, Sr) of Half-Heusler Compounds. Spin, 2020, 10, .	1.3	18
12	Influence of Niâ€“Ni separation on the optoelectronic and magnetic properties of Ni-doped cubic cadmium sulphide. Materials Science in Semiconductor Processing, 2014, 17, 53-58.	4.0	15
13	Theoretical Investigation of Half-Metallic Ferromagnetism in Sodium-Based Fluoro-perovskite NaXF3 (X = V, Co). Journal of Superconductivity and Novel Magnetism, 2018, 31, 285-295.	1.8	15
14	Structural, electronic and optical properties of cubic fluoroelpasolite Cs2NaYF6 by density functional theory. Chinese Journal of Physics, 2018, 56, 1756-1763.	3.9	15
15	A potential full Heusler thermoelectric material CO2ZrZ (Z=Al, Si, Ga and Sn) in low temperature: An Ab-initio investigation. Solid State Communications, 2021, 336, 114422.	1.9	15
16	Full Heusler alloys, with high absorption coefficient, insight into the optical properties of Li2CaC and Li2SrC. Solid State Communications, 2021, 328, 114238.	1.9	14
17	Magnetic, Optoelectronic, and Thermodynamic Properties of Sr2CrXO6 (X = La and Y): Half-Metallic and Ferromagnetic Behavior. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3965-3979.	1.8	12
18	Predictive Study of the Rare Earth Double Perovskite Oxide Ba2ErReO6 and the Influence of the Hubbard Parameter U on its Half-Metallicity. Journal of Superconductivity and Novel Magnetism, 2021, 34, 2893-2903.	1.8	11

#	Article	IF	Citations
19	The effect of 4d states based full Heusler alloy on the electronic and magnetic properties of new half metallic ferromagnetism: DFT+U study. Chinese Journal of Physics, 2019, 59, 28-34.	3.9	10
20	Ferromagnetic Half-Semiconductor (HSC) gaps in co-doped CdS: Ab-initio study. Chinese Journal of Physics, 2019, 61, 155-165.	3.9	9
21	Insight into Structural, Electronic, Magnetic, and Elastic Properties of Full-Heusler Alloys Co2YPb (Y) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	9
22	Ab-initio investigation of optoelectronic properties for elpasolite Cs2NaVCl6 using GGA+U approach: Band gap engineering. Computational Condensed Matter, 2021, 26, e00531.	2.1	7
23	Structural, Electronic and Elastic Properties of Half-Heusler Alloys CrNiZ (Z = Al, Si, Ge and As). Journal of the Korean Physical Society, 2018, 72, 1337-1342.	0.7	6
24	Optical properties of half-metallic ferrimagnetic double perovskite Sr2CaOsO6 compound. Solid State Communications, 2020, 322, 114052.	1.9	6
25	New p-type sp-based half-Heusler compounds LiBaX(Xâ€‰=â€‰Si, Ge) for spintronics and thermoelectricity via ab-initio calculations. Journal of Computational Electronics, 2021, 20, 1072-1082.	2.5	6
26	Study of electronic and magnetic properties of binary zinc sulfide and ternary manganese- and iron-substituted alloys. Materials Science in Semiconductor Processing, 2013, 16, 576-581.	4.0	5
27	Structural, electronic, optical and elastic properties of the cubic perovskite PbHfO3 through modified Beckeâ€“Johnson potential. Chinese Journal of Physics, 2017, 55, 2514-2522.	3.9	5
28	High dimensionless figure of merit in full Heusler alloy Ru2ZrSi: A first principles study. Solid State Communications, 2021, 339, 114466.	1.9	4
29	Electronic Structure and Thermoelectric Properties of Semiconductors K₂GeSiX₆ (X=F, Cl, Br and I) Compounds: Ab-Initio Investigation. Spin, 2021, 11, .	1.3	4
30	Study of transmission properties in GaAs/AlxGa1â^'xAs superlattices generated by a specific sequences. Superlattices and Microstructures, 2013, 56, 16-26.	3.1	3
31	The effect of 3d states on band structure feature, optical and magnetic properties of TM-doped CdS: a theoretical insights. Indian Journal of Physics, 2022, 96, 1381-1392.	1.8	3
32	Electronic structure, thermoelectric, mechanical and phonon properties of full-Heusler alloy (Fe2CrSb): a first-principles study. Bulletin of Materials Science, 2021, 44, 1.	1.7	3
33	Electronic structure, mechanical and thermoelectric properties of the full Heusler Ba2AgZ (Zâ€‰=â€‰Bi, Sb) alloys: insights from DFT study. Indian Journal of Physics, 2021, 95, 2675-2686.	1.8	3
34	Electronic transmission in random trimer InAs/InxGa1â^'xAs superlattices. Results in Physics, 2012, 2, 198-202.	4.1	2
35	Achievement of tailored laser frequencies by fine-tuning the structural parameters of Fibonacciâ€™s in AlxGa1â^'xAs/GaAs superlattices. Superlattices and Microstructures, 2013, 62, 233-241.	3.1	1
36	Periodic oscillations in dimer quasiperiodic fibonacci Al<inf>x</inf>Ga<inf>1−x</inf>As/GaAs superlattices. , 2013, , .		0