

Bouabdellah Bouadjemi

List of Publications by Year in descending order

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36
docs citations

36
times ranked

318
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Ab-initio investigation of optoelectronic properties for elpasolite Cs ₂ NaVCl ₆ using GGA+U approach: Band gap engineering. Computational Condensed Matter, 2021, 26, e00531.	2.1	7
3	New p-type sp-based half-Heusler compounds LiBaX(X=Si, Ge) for spintronics and thermoelectricity via ab-initio calculations. Journal of Computational Electronics, 2021, 20, 1072-1082.	2.5	6
4	Full Heusler alloys, with high absorption coefficient, insight into the optical properties of Li ₂ CaC and Li ₂ SrC. Solid State Communications, 2021, 328, 114238.	1.9	14
5	Electronic structure, thermoelectric, mechanical and phonon properties of full-Heusler alloy (Fe ₂ CrSb): a first-principles study. Bulletin of Materials Science, 2021, 44, 1.	1.7	3
6	Predictive Study of the Rare Earth Double Perovskite Oxide Ba ₂ ErReO ₆ 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
7	A potential full Heusler thermoelectric material CO ₂ ZrZ (Z=Al, Si, Ga and Sn) in low temperature: An Ab-initio investigation. Solid State Communications, 2021, 336, 114422.	1.9	15
8	High dimensionless figure of merit in full Heusler alloy Ru ₂ ZrSi: A first principles study. Solid State Communications, 2021, 339, 114466.	1.9	4
9	Electronic structure, mechanical and thermoelectric properties of the full Heusler Ba ₂ AgZ (Z=Bi, Sb) alloys: insights from DFT study. Indian Journal of Physics, 2021, 95, 2675-2686.	1.8	3
10	Electronic Structure and Thermoelectric Properties of Semiconductors K ₂ GeSiX ₆ (X=F, Cl, Br and I) Compounds: Ab-Initio Investigation. Spin, 2021, 11, .	1.3	4
11	Semiconductor behavior of halide perovskites AGeX ₃ (A=K, Rb and Cs; X=F, Cl and Br): first-principles calculations. Indian Journal of Physics, 2020, 94, 455-467.	1.8	51
12	Optical properties of half-metallic ferrimagnetic double perovskite Sr ₂ CaOsO ₆ compound. Solid State Communications, 2020, 322, 114052.	1.9	6
13	Insight into Structural, Electronic, Magnetic, and Elastic Properties of Full-Heusler Alloys Co ₂ YPb (Y) Tj ETQq1 1 0.784314 rgBT /Overl 1.4	1.4	9
14	Lead-Free Semiconductors with High Absorption: Insight into the Optical Properties of K ₂ GeSnBr ₆ and K ₂ GeSnI ₆ Halide Double Perovskites. JETP Letters, 2020, 112, 364-369.	1.4	27
15	High Spin Polarization and Thermoelectric Efficiency of Half-Metallic Ferromagnetic CrYSn (Y=Ca, Sr) of Half-Heusler Compounds. Spin, 2020, 10, .	1.3	18
16	Optoelectronic properties of germanium iodide perovskites AGeI ₃ (A=K, Rb and Cs): first principles investigations. Optical and Quantum Electronics, 2019, 51, 1.	3.3	26
17	Ferromagnetic Half-Semiconductor (HSC) gaps in co-doped CdS: Ab-initio study. Chinese Journal of Physics, 2019, 61, 155-165.	3.9	9
18	Thermoelectric, Structural, Optoelectronic and Magnetic properties of double perovskite Sr ₂ CrTaO ₆ : First principle Study. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 245, 68-74.	3.5	51

#	ARTICLE	IF	CITATIONS
19	Investigation of DFT+U effect of Holmium rare-earth on the electronic, magnetic and the half-metallic ferromagnetic properties' of double perovskite Ba ₂ HoReO ₆ . Solid State Communications, 2019, 294, 29-35.	1.9	27
20	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
21	Rattling Heusler semiconductors' thermoelectric properties: First-principles prediction. Chinese Journal of Physics, 2019, 57, 195-210.	3.9	19
22	Magnetic, Optoelectronic, and Thermodynamic Properties of Sr ₂ CrXO ₆ (X = La and Y): Half-Metallic and Ferromagnetic Behavior. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3965-3979.	1.8	12
23	Theoretical Investigation of Half-Metallic Ferromagnetism in Sodium-Based Fluoro-perovskite NaXF ₃ (X = V, Co). Journal of Superconductivity and Novel Magnetism, 2018, 31, 285-295.	1.8	15
24	Structural, electronic and optical properties of cubic fluoroelpasolite Cs ₂ NaYF ₆ by density functional theory. Chinese Journal of Physics, 2018, 56, 1756-1763.	3.9	15
25	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
26	Structural, electronic, optical and elastic properties of the cubic perovskite PbHfO ₃ through modified Becke-Johnson potential. Chinese Journal of Physics, 2017, 55, 2514-2522.	3.9	5
27	Effect of Coulomb interactions and Hartree-Fock exchange on structural, elastic, optoelectronic and magnetic properties of Co ₂ MnSi Heusler: A comparative study. Journal of Magnetism and Magnetic Materials, 2016, 419, 74-83.	2.3	28
28	First principle study of spintronic properties for double perovskites Ba ₂ XMoO ₆ with X=V, Cr and Mn. Materials Science in Semiconductor Processing, 2016, 43, 196-208.	4.0	44
29	Ab-initio study of optoelectronic and magnetic properties of the orthorhombic NdMnO ₃ perovskite. Solid State Communications, 2015, 207, 9-15.	1.9	46
30	Influence of Ni ²⁺ /Ni ⁰ 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
31	Half-metallic ferromagnetism in PrMnO ₃ perovskite from first principles calculations. Solid State Communications, 2013, 168, 6-10.	1.9	69
32	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
33	Periodic oscillations in dimer quasiperiodic fibonacci Al _x In _{1-x} Ga _{1-x} As/GaAs superlattices. , 2013, , .		0
34	Study of transmission properties in GaAs/Al _x Ga _{1-x} As superlattices generated by a specific sequences. Superlattices and Microstructures, 2013, 56, 16-26.	3.1	3
35	Achievement of tailored laser frequencies by fine-tuning the structural parameters of Fibonacci TM s in Al _x Ga _{1-x} As/GaAs superlattices. Superlattices and Microstructures, 2013, 62, 233-241.	3.1	1
36	Electronic transmission in random trimer InAs/In _x Ga _{1-x} As superlattices. Results in Physics, 2012, 2, 198-202.	4.1	2