

Zoubir Aziz

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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.	1.7	51
2	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.	0.9	51
3	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.	0.9	27
4	Optoelectronic properties of germanium iodide perovskites AGeI ₃ (A=K, Rb and Cs): first principles investigations. Optical and Quantum Electronics, 2019, 51, 1.	1.5	26
5	Rattling Heusler semiconductors' thermoelectric properties: First-principles prediction. Chinese Journal of Physics, 2019, 57, 195-210.	2.0	19
6	High Spin Polarization and Thermoelectric Efficiency of Half-Metallic Ferromagnetic CrYSn (Y=Ca, Sr) of Half-Heusler Compounds. Spin, 2020, 10, .	0.6	18
7	Structural, Electronic, Magnetic, Elastic, Thermodynamic, and Thermoelectric Properties of the Half-Heusler RhFeX (with X = Ge, Sn) Compounds. Journal of Superconductivity and Novel Magnetism, 2021, 34, 211-225.	0.8	18
8	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.	0.8	15
9	Structural, electronic and optical properties of cubic fluoropasolite Cs ₂ NaYF ₆ by density functional theory. Chinese Journal of Physics, 2018, 56, 1756-1763.	2.0	15
10	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.	0.8	12
11	Insight into Structural, Electronic, Magnetic, and Elastic Properties of Full-Heusler Alloys Co ₂ YPb (Y) Tj ETQq1 1 0.784314 rgBT /Overl	0.4	9
12	Half-metallic ferromagnetic behavior of cubic lanthanide based on perovskite-type oxide NdCrO ₃ : first-principles calculations. Indian Journal of Physics, 2021, 95, 833-839.	0.9	9
13	Thermoelectric and Half-Metallic Behavior of the Novel Heusler Alloy RbCrC: <i>Ab initio</i> DFT Study. Spin, 2020, 10, .	0.6	8
14	Suppression of the singularly localized states in dimer quasiperiodic Fibonacci superlattices. Solid State Communications, 2010, 150, 865-869.	0.9	6
15	Resonant tunneling in GaAs/Al _x Ga _{1-x} As superlattices with aperiodic potential profiles. Superlattices and Microstructures, 2011, 50, 659-666.	1.4	6
16	First principle calculations of structural, electronic and magnetic properties of cubic GdCrO ₃ Perovskite. Indian Journal of Physics, 2018, 92, 847-854.	0.9	6
17	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.	0.3	6
18	Optical properties of half-metallic ferrimagnetic double perovskite Sr ₂ CaOsO ₆ compound. Solid State Communications, 2020, 322, 114052.	0.9	6

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19	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.	1.3	6
20	Theoretical study of correlated disorder in superlattices under bias voltage. EPJ Applied Physics, 2009, 48, 10605.	0.3	5
21	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.	2.0	5
22	Mixed disorder in GaAs/AlGa _{1-x} As superlattices and its effect on the range of wavelength infrared lasers. Optik, 2013, 124, 3812-3815.	1.4	4
23	Theoretical investigation of ternary semiconductors half-Heusler RhTaZ (Z = Si, Ge and Sn) for thermoelectric applications. Modern Physics Letters B, 2021, 35, 2150400.	1.0	4
24	High dimensionless figure of merit in full Heusler alloy Ru ₂ ZrSi: A first principles study. Solid State Communications, 2021, 339, 114466.	0.9	4
25	Electronic Structure and Thermoelectric Properties of Semiconductors K ₂ GeSiX ₆ (X=F, Cl, Br and I) Compounds: Ab-Initio Investigation. Spin, 2021, 11, .	0.6	4
26	Singular localised states in quasiperiodic GaAs/Al _x Ga _{1-x} As Fibonacci superlattices. EPJ Applied Physics, 2006, 35, 113-116.	0.3	4
27	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.	1.4	3
28	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.	0.8	3
29	DFT study of structural, elastic, electronic, magnetic, thermal and transport properties of new multifunctional NiVSn half-Heusler for spintronic and thermoelectric applications. International Journal of Modern Physics B, 2021, 35, 2150202.	1.0	3
30	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.	0.9	3
31	Effect of the Aluminium Fraction in Subminiband Structures of Fibonacci Al _x Ga _{1-x} As/GaAs Superlattices. Journal of Applied Sciences, 2006, 6, 3140-3144.	0.1	3
32	Electronic States Nature of Trimer Height Barrier Disorder Superlattices. Journal of Applied Sciences, 2007, 7, 417-420.	0.1	3
33	Analytical evidence of commuting resonance energy in correlated disorder trimer GaAs-Al _x Ga _{1-x} As superlattices. Canadian Journal of Physics, 2009, 87, 981-988.	0.4	2
34	EFFECT OF APPLIED BIAS ON TRANSMISSION PROPERTIES OF DIMER FIBONACCI SUPERLATTICES. Modern Physics Letters B, 2009, 23, 2409-2420.	1.0	2
35	Strong half-metallic ferromagnetism and thermoelectric response in new half-Heusler RbCrX (X=Bi, Sb), Tj ETOq1 1 0.784314 ngE	0.9	2
36	Study of GaAs/AlGaAs Superlattices in Structural Disorder Case. AIP Conference Proceedings, 2007, , .	0.3	1

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37	ELECTRONIC TRANSPORT IN RANDOM DIMER/TRIMER $\text{GaAs}/\text{Al}_x\text{Ga}_{1-x}\text{As}$ SUPERLATTICES. International Journal of Modern Physics B, 2009, 23, 5067-5073.	1.0	1
38	Achievement of tailored laser frequencies by fine-tuning the structural parameters of Fibonacci™s in $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ superlattices. Superlattices and Microstructures, 2013, 62, 233-241.	1.4	1
39	Ballistic transport in one-dimensional random dimer photonic crystals. Solid State Communications, 2014, 183, 47-50.	0.9	1
40	Electronic structures, elastic, magnetic properties and half-metallicity in PtONa_3 anti-perovskite. Modern Physics Letters B, 2019, 33, 1950362.	1.0	1
41	First principles investigation of the structural, electronic, thermal and transport properties of new ternary auride X_3AuO (X = K and Rb) semiconductors. Bulletin of Materials Science, 2019, 42, 1.	0.8	1
42	Modelisation and simulation of the transmission properties in Dimer Fibonacci Superlattices. , 2011, , .		0
43	Periodic oscillations in dimer quasiperiodic fibonacci $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ superlattices. , 2013, , .		0
44	Effect of the aluminium concentration on the resonant tunnelling time and the laser wavelength of random trimer barrier $\text{Al}_x\text{Ga}_{1-x}\text{As}$ superlattices. Physica B: Condensed Matter, 2014, 449, 150-154.	1.3	0