Benalia Sallah Eddine

List of Publications by Year
in descending order

32 papers	494 citations	623188 14 h-index	713013 21 g-index
32 all docs	32 docs citations	32 times ranked	418 citing authors

#	Article	IF	Citations
1	Electronic structure of short-period ZnSe/ZnTe superlattices based on DFT calculations. Condensed Matter Physics, 2022, 25, 13701.	0.3	1
2	A comprehensive computational investigations on the physical properties of <scp>TiXSb</scp> (X: Ru,) Tj ETQq0 0 0 rgBT /Overlock 10 <scp>halfâ€Heusler</scp>. International Journal of Quantum Chemistry, 2022, 122, .	1.0	33
3	Structural stability, electronic structure and magnetic properties of the new hypothetical half-metallic ferromagnetic full-Heusler alloy CoNiMnSi. Materials Science-Poland, 2016, 34, 85-93.	0.4	25
4	Ab initio study of structural and electronic properties of (GaN)n/(AlN)n superlattices. Journal of Physics: Conference Series, 2016, 758, 012025.	0.3	2
5	Structural, electronic, bonding and thermo-elastic properties of orthorhombic and cubic CeO 2 compound. Chinese Journal of Physics, 2016, 54, 1-11.	2.0	8
6	Elastic and electronic properties calculations of the filled skutterudite CeOs₄P₁₂. Journal of Physics: Conference Series, 2016, 758, 012010.	0.3	3
7	Investigation of electronic structure, magnetic properties and thermal properties of the new half-metallic ferromagnetic full-Heusler alloys Cr2GdSi1â^'xGex: An ab-initio study. Journal of Alloys and Compounds, 2016, 676, 440-451.	2.8	34
8	Prediction of phase transition, mechanical and electronic properties of inverse Heusler compound Y₂RuPb, via FP-LMTO method. International Journal of Modern Physics C, 2016, 27, 1650107.	0.8	9
9	Electronic structure, magnetism and stability of Co2CrX (X =Al, Ga, In) ab initio study. Modern Physics Letters B, 2016, 30, 1550265.	1.0	20
10	First-Principles Study of Structural, Electronic, Magnetic and Half-Metallic Properties of the Heusler Alloys Ti2ZAl (Z = Co, Fe, Mn). Journal of Superconductivity and Novel Magnetism, 2015, 28, 3099-3104.	0.8	22
11	Band gap behavior of scandium aluminum phosphide and scandium gallium phosphide ternary alloys and superlattices. Materials Science in Semiconductor Processing, 2015, 31, 493-500.	1.9	14
12	FP-LMTO calculations of the structural, elastic, thermodynamic, and electronic properties of the ideal-cubic perovskite BiGaO3. Brazilian Journal of Physics, 2014, 44, 914-921.	0.7	7
13	First-principles calculations to investigate structural, electronic and optical properties of (BeTe) n /(CdS) n superlattices. Superlattices and Microstructures, 2014, 75, 233-244.	1.4	8
14	First-principles study of the electronic and structural properties of (CdTe)n/(ZnTe)n superlattices. Superlattices and Microstructures, 2014, 75, 818-830.	1.4	12
15	Electronic structure of GdX2 (X=Fe, Co and Ni) intermetallic compounds studied by the GGA+U method. Computational Materials Science, 2014, 87, 172-177.	1.4	14
16	Ab initio study of structural, electronic, magnetic and optical properties of Ti-doped ZnTe and CdTe. International Journal of Modern Physics B, 2014, 28, 1450080.	1.0	12
17	Half-metallic ferromagnetism in Al1â^'xCrxP and superlattices (AlP)n/(CrP)m by density functional calculations. Superlattices and Microstructures, 2014, 65, 195-205.	1.4	20
18	Electronic Structure and Thermodynamic Properties of the Cubic Antiperovskite Compound InNCe $$_{3}$$ 3 via First-Principles Calculations. International Journal of Thermophysics, 2013, 34, 434-449.	1.0	8

#	Article	IF	Citations
19	First-principles study of structural stabilities, elastic and electronic properties of transition metal monocarbides (TMCs) and mononitrides (TMNs). Materials Chemistry and Physics, 2013, 143, 93-108.	2.0	33
20	First-principles calculations of the elastic, and electronic properties of YFe2, NiFe2 and YNiFe4 intermetallic compounds. Computational Materials Science, 2013, 73, 56-64.	1.4	10
21	Theoretical investigation of the elastic, thermodynamic, electronic and magnetic properties of PrNi2Si2 and PrNi2Ge2. Computational Materials Science, 2012, 54, 303-311.	1.4	3
22	Structural stabilities, elastic, and electronic properties of iridium mononitride: a first-principles study. Phase Transitions, 2011, 84, 269-283.	0.6	7
23	Structural and electronic properties of bulk GaP and AlP and their superlattices. Superlattices and Microstructures, 2011, 49, 132-143.	1.4	18
24	Electronic structure of (BP)n/(BAs)n (001) superlattices. Physica B: Condensed Matter, 2011, 406, 3247-3255.	1.3	22
25	Prediction of stabilities phase and elastic properties of Palladium Carbide. Computational Materials Science, 2010, 48, 556-562.	1.4	20
26	Structural and elastic properties of antiperovskites XNBa3 (X=As, Sb) under pressure effect. Physica B: Condensed Matter, 2009, 404, 4034-4038.	1.3	14
27	Structural phase transition and elastic properties of Curium and Uranium monobismuthides under pressure effect. Solid State Communications, 2009, 149, 1772-1776.	0.9	4
28	Prediction study of the structural, elastic, electronic and optical properties of the antiperovskite. Solid State Communications, 2009, 149, 2002-2006.	0.9	19
29	FP-LMTO calculations of elastic and electronic properties of the filled skutterudite CeRu4P12. Journal of Physics and Chemistry of Solids, 2009, 70, 622-626.	1.9	20
30	Elastic stability, electronic structure and optical properties of PtN2 with pyrite and fluorite structures. Journal of Alloys and Compounds, 2009, 478, 297-302.	2.8	7
31	Structural phase transition, elastic properties and electronic properties of chalcopyrite CuAlX2 (X=S,) Tj ETQq1 1 0.784314 rgBT /Ove	2.8	45
32	First-principle calculations of elastic and electronic properties of the filled skutterudite CeFe4P12. Computational Materials Science, 2008, 43, 1022-1026.	1.4	20