Benalia Sallah Eddine

List of Publications by Year
in descending order

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32	494	623574	713332
papers	citations	14	21
		h-index	g-index

32	32	32	418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural phase transition, elastic properties and electronic properties of chalcopyrite CuAlX2 (X=S,) Tj ETQq1 1 0.784314 rgBT /Ove	2.8	45
2	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
3	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
4	A comprehensive computational investigations on the physical properties of <scp>TiXSb</scp> (X: Ru,) Tj ETQq0 0 0 rgBT /Overlock 10 T <scp>halfâ€Heusler</scp>. International Journal of Quantum Chemistry, 2022, 122, .	1.0	33
5	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
6	Electronic structure of (BP)n/(BAs)n (001) superlattices. Physica B: Condensed Matter, 2011, 406, 3247-3255.	1.3	22
7	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
8	First-principle calculations of elastic and electronic properties of the filled skutterudite CeFe4P12. Computational Materials Science, 2008, 43, 1022-1026.	1.4	20
9	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
10	Prediction of stabilities phase and elastic properties of Palladium Carbide. Computational Materials Science, 2010, 48, 556-562.	1.4	20
11	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
12	Electronic structure, magnetism and stability of Co2CrX (X =Al, Ga, In) ab initio study. Modern Physics Letters B, 2016, 30, 1550265.	1.0	20
13	Prediction study of the structural, elastic, electronic and optical properties of the antiperovskite. Solid State Communications, 2009, 149, 2002-2006.	0.9	19
14	Structural and electronic properties of bulk GaP and AlP and their superlattices. Superlattices and Microstructures, 2011, 49, 132-143.	1.4	18
15	Structural and elastic properties of antiperovskites XNBa3 (X=As, Sb) under pressure effect. Physica B: Condensed Matter, 2009, 404, 4034-4038.	1.3	14
16	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
17	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
18	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

#	Article	IF	Citations
19	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
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	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
22	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
23	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
24	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
25	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
26	Structural stabilities, elastic, and electronic properties of iridium mononitride: a first-principles study. Phase Transitions, 2011, 84, 269-283.	0.6	7
27	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
28	Structural phase transition and elastic properties of Curium and Uranium monobismuthides under pressure effect. Solid State Communications, 2009, 149, 1772-1776.	0.9	4
29	Theoretical investigation of the elastic, thermodynamic, electronic and magnetic properties of PrNi2Si2 and PrNi2Ge2. Computational Materials Science, 2012, 54, 303-311.	1.4	3
30	Elastic and electronic properties calculations of the filled skutterudite CeOs₄P₁₂. Journal of Physics: Conference Series, 2016, 758, 012010.	0.3	3
31	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
32	Electronic structure of short-period ZnSe/ZnTe superlattices based on DFT calculations. Condensed Matter Physics, 2022, 25, 13701.	0.3	1