Hocine Meradji

List of Publications by Year
in descending order

34	548	623188 14	642321 23
papers	citations	h-index	g-index

34	34	34	444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural, electronic, optical and thermal properties of CuXTe₂ (X=Al, Ga, In) compounds: An ab-initio study. International Journal of Modern Physics B, 2019, 33, 1950045.	1.0	4
2	Theoretical investigation of the structural stabilities, optoelectronic properties and thermodynamic characteristics of GaPxSb1â^'x ternary alloys. Indian Journal of Physics, 2018, 92, 705-714.	0.9	9
3	Phase stability and electronic behavior of MgS, MgSe and MgTe compounds. Phase Transitions, 2017, 90, 929-941.	0.6	26
4	Ab initiocalculations of the structural, electronic, thermodynamic and thermal properties of BaSe_{1â^'x}Te_xalloys. Physica Scripta, 2017, 92, 105701.	1.2	8
5	Fundamental properties of zinc-blende AlSb, BSb and their Al1-xBxSb ternary alloys. Chinese Journal of Physics, 2017, 55, 1092-1102.	2.0	6
6	Investigation of opto-electronic properties of ZnS polymorphs through modified Becke-Johnson exchange potential. Optik, 2017, 130, 1004-1013.	1.4	6
7	Ab initio calculations of fundamental properties of SrTe1â^'x O x alloys. Bulletin of Materials Science, 2016, 39, 827-835.	0.8	5
8	First-Principles Investigation of Structural, Thermal and Transport Properties of Anatase TiO2. Journal of Electronic Materials, 2016, 45, 5096-5103.	1.0	12
9	Ab initio study of structural, mechanical, thermal and electronic properties of perovskites Sr(Li,Pd)H₃. International Journal of Modern Physics B, 2016, 30, 1650003.	1.0	8
10	First-principle calculations of the fundamental properties of CuBrxI1â^'xternary alloy. Molecular Physics, 2015, 113, 3637-3644.	0.8	2
11	Phase stability and electronic properties of silver halides. Phase Transitions, 2015, 88, 357-367.	0.6	4
12	First-principle calculations of the structural, electronic, thermodynamic and thermal properties of ZnS x Se1â^'x ternary alloys. Bulletin of Materials Science, 2015, 38, 365-372.	0.8	16
13	First-principles calculations of the structural, electronic and optical properties of In1â^'xBxAsyP1â^'y quaternary alloys lattice matched to InP and BeS. Materials Science in Semiconductor Processing, 2015, 36, 27-35.	1.9	5
14	FIRST PRINCIPLES CALCULATIONS OF STRUCTURAL, ELECTRONIC, THERMODYNAMIC AND THERMAL PROPERTIES OF BaxSr1-xTe TERNARY ALLOYS. International Journal of Modern Physics B, 2014, 28, 1450041.	1.0	2
15	First-principles calculations of structural, electronic and thermal properties of Zn1â^'x MgxS ternary alloys. Open Physics, 2014, 12, .	0.8	1
16	First principles calculations of structural, electronic and thermal properties of lead chalcogenides PbS, PbSe and PbTe compounds. Bulletin of Materials Science, 2014, 37, 1159-1166.	0.8	15
17	Ab initio study of the structural, electronic, phase diagram, and thermal properties of cadium beryllium selenide mixed crystals. Materials Science in Semiconductor Processing, 2014, 26, 642-648.	1.9	6
18	First principles calculations of structural, electronic and optical properties of Zn1â^'xBexSeyTe1â^'y quaternary alloys. Computational Materials Science, 2014, 87, 202-208.	1.4	1

#	Article	IF	Citations
19	Theoretical prediction of the structural, electronic, and thermal properties of Al1â^'xBxAs ternary alloys. Materials Science in Semiconductor Processing, 2013, 16, 2063-2069.	1.9	10
20	STRUCTURAL, ELECTRONIC, THERMODYNAMIC AND THERMAL PROPERTIES OF ZINC-BLENDE InP, InAs AND THEIR InAs_x P_{1-x} TERNARY ALLOYS VIA FIRST PRINCIPLES CALCULATIONS. International Journal of Modern Physics B, 2013, 27, 1350166.	1.0	16
21	Density functional calculations of Pb1â^'xCaxSySe1â^'y alloys lattice matched to different substrates. Journal of Physics and Chemistry of Solids, 2012, 73, 608-613.	1.9	9
22	STRUCTURAL, ELECTRONIC, OPTICAL AND THERMODYNAMIC PROPERTIES OF PbS, PbSe AND THEIR TERNARY ALLOY PbS_{1-x}Se_x. Modern Physics Letters B, 2011, 25, 473-486.	1.0	9
23	First principles calculations of structural, electronic, optical and thermodynamic properties of PbS, SrS and their ternary alloys Pb1â^'Sr S. Computational Materials Science, 2011, 50, 1077-1082.	1.4	14
24	Theoretical study of structural, electronic, and thermal properties of CdS, CdSe and CdTe compounds. Computational Materials Science, 2011, 50, 1460-1466.	1.4	73
25	Theoretical study of structural, electronic and thermal properties of Zn1â^'Be S ternary alloy. Computational Materials Science, 2011, 50, 3080-3084.	1.4	14
26	First-principles study of the ternary semiconductor alloys (Ga,Al)(As,Sb). Journal of Alloys and Compounds, 2010, 499, 80-89.	2.8	52
27	Density functional study of CdS1â€"xSex and CdS1â€"xTex alloys. Computational Materials Science, 2010, 48, 206-211.	1.4	31
28	First principle investigation of AlAs and AlP compounds and ordered AlAs1â^'xPx alloys. Computational Materials Science, 2010, 50, 274-278.	1.4	35
29	Structural, electronic, thermodynamic and optical properties of SrS1â^'xOx mixed crystals. Physica B: Condensed Matter, 2009, 404, 4100-4105.	1.3	10
30	Hydrogen solid storage: First-principles study of ZrNiH3. International Journal of Hydrogen Energy, 2009, 34, 4997-5002.	3.8	30
31	First principles investigation of barium chalcogenide ternary alloys. Computational Materials Science, 2009, 46, 376-382.	1.4	36
32	Ab initio investigations of calcium chalcogenide alloys. Journal of Alloys and Compounds, 2009, 485, 642-647.	2.8	17
33	First principle calculations of structural, electronic, thermodynamic and optical properties of Pb_{1â^'x}Ca_xS,Pb_{1â^'x}Ca_xSe and Pb_{1â^'x}Ca_xTe ternary alloys. Journal of Physics Condensed Matter, 2009, 21, 195401.	0.7	33
34	FP-LAPW investigations of SrS_{1â^'x}Se_x, SrS_{1â^'x}Te_xand SrSe_{1â^'x}Te_xternary alloys. Journal of Physics Condensed Matter, 2008, 20, 445213.	0.7	23