Badis Bennecer

List of Publications by Year
in descending order

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33	497	687363 13	713466 21
papers	citations	h-index	g-index

34	34	34	476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic and optical properties of the antifluorite semiconductors Be2C and Mg2X (, Si, Ge) under hydrostatic pressure. Journal of Physics and Chemistry of Solids, 2008, 69, 1775-1781.	4.0	40
2	Structural and elastic properties of the filled tetrahedral semiconductors LiZnX (X=N, P, and As). Journal of Physics and Chemistry of Solids, 2006, 67, 846-850.	4.0	39
3	Optical properties of the filled tetrahedral semiconductors LiZnX (X=N, P, and As). Journal of Physics and Chemistry of Solids, 2006, 67, 1850-1857.	4.0	39
4	Optical properties of the alkali antimonide semiconductors , , and. Journal of Physics and Chemistry of Solids, 2010, 71, 314-322.	4.0	39
5	Ab initio calculation of vibrational and thermodynamic properties of SrX (S, Se, Te) in the B1 (NaCl) and B2 (CsCl) structures. Computational Materials Science, 2011, 50, 1701-1710.	3.0	36
6	Optical properties of the filled tetrahedral semiconductors LiMgX (X = N, P and As). Journal of Physics Condensed Matter, 2006, 18, 7237-7247.	1.8	27
7	Ab initio lattice dynamics and thermodynamic properties of SrO under pressure. Journal of Physics and Chemistry of Solids, 2012, 73, 129-135.	4.0	25
8	Elastic and electronic properties of the alkali pnictide compounds Li3Sb, Li3Bi, Li2NaSb and Li2NaBi. Computational Materials Science, 2011, 50, 2880-2885.	3.0	24
9	Structural and electronic properties of the pseudo-binary compounds (, S and Se). Journal of Physics and Chemistry of Solids, 2010, 71, 42-46.	4.0	22
10	Pressure effect on the electronic and optical properties of the alkali antimonide semiconductors Cs3Sb, KCs2Sb, CsK2Sb and K3Sb: Ab initio study. Journal of Physics and Chemistry of Solids, 2010, 71, 1732-1741.	4.0	20
11	Elastic properties and lattice dynamics of alkali chalcogenide compounds Na2S, Na2Se and Na2Te. Computational Materials Science, 2011, 50, 1806-1810.	3.0	17
12	Electronic and optical properties of the orthorhombic compounds PdPX (X=S and Se). Computational Materials Science, 2010, 48, 115-123.	3.0	16
13	Elastic, vibrational and thermodynamic properties of based group IV semiconductors and GeC under pressure. Journal of Physics and Chemistry of Solids, 2013, 74, 1615-1625.	4.0	16
14	Electronic structure of the filled tetrahedral compound LiCdP and zincâ€“blende InP: Application of the interstitial insertion rule. Computational Materials Science, 2008, 43, 791-795.	3.0	15
15	Structural and elastic properties of the half-Heusler compounds IrMnZ (, Sn and Sb). Materials Chemistry and Physics, 2009, 114, 732-735.	4.0	15
16	Pressure effect on the optical properties of the filled tetrahedral semiconductors LiZnX. Journal of Physics and Chemistry of Solids, 2007, 68, 2286-2292.	4.0	13
17	First principles calculations of the structural and elastic properties of the filled tetrahedral compounds LiCdX (X=N,P,As). Computational Materials Science, 2008, 42, 579-583.	3.0	12
18	Elastic and electronic properties of Li2ZnGe. Computational Materials Science, 2010, 47, 869-874.	3.0	12

#	Article	IF	Citations
19	Electronic and optical properties of the orthorhombic compounds FeX2 (X=P, As and Sb). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 1249-1256.	3.5	10
20	Magneto-optical Kerr effect in ZnTMO 2 (TM=Cr, Mn, Fe, Co and Ni). Journal of Magnetism and Magnetic Materials, 2017, 424, 327-338.	2.3	8
21	Electronic and optical properties of LiMgN, LiMgP and LiMgAs under hydrostatic pressure. Journal of Physics and Chemistry of Solids, 2009, 70, 26-31.	4.0	7
22	Elastic and lattice dynamical properties of ternary strontium chalcogenide alloys. Materials Science in Semiconductor Processing, 2014, 26, 267-275.	4.0	7
23	Theoretical study of the structural, elastic, vibrational and thermal properties of perovskite halides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si96.svg" display="inline" id="d1e2235"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">Cs</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">TiBr</mml:mi></mml:mrow><mml:mrow><mml:mn>6</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi> Computational Condensed Matter, 2021, 29, e00587.	2.1	6
24	Vibrational properties of the filled tetrahedral compounds LiCdP and LiCdAs. Computational Materials Science, 2009, 44, 876-880.	3.0	5
25	Electronic structure of Li3GaN2. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1324-1326.	2.1	4
26	Calculation of the vibrational properties of LiMgAs. Journal of Physics Condensed Matter, 2009, 21, 305402.	1.8	4
27	Pressure effect on the electronic and optical properties of the FeP2 and FeAs2 compounds. Journal of Physics and Chemistry of Solids, 2013, 74, 1336-1340.	4.0	4
28	Structural, electronic and optical properties of LiBeP in its normal and high pressure phases. Journal of Physics and Chemistry of Solids, 2014, 75, 838-848.	4.0	4
29	Pressure induced phase transition, electronic and optical properties of LiBeX (X = As, Sb and Bi). Journal of Physics Condensed Matter, 2020, 32, 325503.	1.8	4
30	Optical Properties of the Strained Layer Superlattices (GaAs)₆/(GaP)_m(001) (m=2, 4 and 6). Materials Science Forum, 2009, 609, 41-48.	0.3	2
31	Phase transitions and lattice dynamics in perovskite-type hydride $oldsymbol{{m Li}_{x} {m Na}_{1-x} {m MgH}_{3}}$. Journal of Physics Condensed Matter, 2019, 31, 505402.	1.8	2
32	Ab initio predictions of structures and physical properties of the KCuX (X = Se and Te) phases under pressure. Computational Condensed Matter, 2022, 30, e00616.	2.1	2
33	Calculated acoustic plasmon spectra in SnTe: effect on anisotropy. Semiconductor Science and Technology, 1992, 7, 822-827.	2.0	1