Y Cheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6353590/publications.pdf

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12	210	1040056 9	1281871 11
papers	citations	h-index	g-index

12	12	12	238
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First principles study of electronic, bonding, elastic properties and intrinsic hardness of CdSiP2. Computational Materials Science, 2013, 77, 114-119.	3.0	32
2	Structural, electronic and elastic properties of AlFe 2 B 2 : First-principles study. Computational Materials Science, 2014, 92, 253-257.	3.0	32
3	Pressure effects on elastic and thermodynamic properties of Zr3Al intermetallic compound. Computational Materials Science, 2012, 58, 125-130.	3.0	31
4	Structural, elastic, thermodynamic, electronic properties and phase transition in half-Heusler alloy NiVSb at high pressures. Computational Materials Science, 2015, 96, 72-80.	3.0	28
5	First-principles study of structural, elastic, electronic and thermodynamic properties of topological insulator Sb2Te3 under pressure. Computational Materials Science, 2015, 96, 342-347.	3.0	16
6	Ab initio study for the intermolecular interaction potential surface of Ar-N2 complex. European Physical Journal D, 2005, 33, 43-48.	1.3	15
7	First principles investigations on elastic and electronic properties of BaHfN2 under pressure. Journal of Alloys and Compounds, 2012, 526, 74-78.	5.5	14
8	Elastic and electronic properties of Ce2O3 from first principles. Journal of Alloys and Compounds, 2013, 551, 672-676.	5.5	13
9	Elastic stability and electronic structure of tantalum boride investigated via first-principles density functional calculations. Journal of Physics and Chemistry of Solids, 2012, 73, 1197-1202.	4.0	11
10	Elastic and electronic properties of MnTi2O4 under pressure: A first-principle study. Computational Materials Science, 2014, 84, 156-162.	3.0	9
11	Elastic, thermodynamic and electronic properties of LaF3 under pressure from first principles. Computational Materials Science, 2014, 89, 57-64.	3.0	9
12	Thermodynamic and Electronic Properties of OsB2from First-Principles Calculations. Acta Physica Polonica A, 2014, 125, 1186-1190.	0.5	0