Haci Ozisik

List of Publications by Year
in descending order

56	991	430874 18	454955 30
papers	citations	h-index	g-index

56	56	56	991
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First principles prediction of the elastic, electronic, and optical properties of Sb2S3 and Sb2Se3 compounds. Solid State Sciences, 2012, 14, 1211-1220.	3.2	124
2	The first-principles study on the LaN. Materials Chemistry and Physics, 2008, 108, 120-123.	4.0	95
3	Mechanical, electronic, and optical properties of Bi2S3 and Bi2Se3 compounds: first principle investigations. Journal of Molecular Modeling, 2014, 20, 2180.	1.8	68
4	Structural and mechanical stability of rare-earth diborides. Chinese Physics B, 2013, 22, 046202.	1.4	63
5	Mechanical and phonon properties of the superhard LuB2, LuB4, and LuB12 compounds. Journal of Alloys and Compounds, 2011, 509, 1711-1715.	5.5	47
6	The effect of hydrogen on the electronic, mechanical and phonon properties of LaMgNi4 and its hydrides for hydrogen storage applications. International Journal of Hydrogen Energy, 2018, 43, 23397-23408.	7.1	40
7	The first principles investigation of lattice dynamical and thermodynamical properties of Al2Ca and Al2Mg compounds in the cubic Laves structure. Computational Materials Science, 2013, 68, 27-31.	3.0	32
8	The structural and mechanical properties of CdN compound: A first principles study. Computational Materials Science, 2011, 50, 3208-3212.	3.0	31
9	The first principles studies of the MgB7 compound: Hard material. Intermetallics, 2013, 39, 84-88.	3.9	29
10	The first principles study on boron bismuth compound. Computational Materials Science, 2007, 39, 533-540.	3.0	25
11	Structural and lattice dynamical properties of Zintl NaIn and NaTl compounds. Computational Materials Science, 2011, 50, 1070-1076.	3.0	25
12	Electronic, elastic, thermodynamical, and dynamical properties of the rock-salt compounds LaAs and LaP. Journal of Physics Condensed Matter, 2007, 19, 436204.	1.8	24
13	Mechanical and lattice dynamical properties of the Re₂C compound. Physica Status Solidi - Rapid Research Letters, 2010, 4, 347-349.	2.4	22
14	The lattice dynamical and thermo-elastic properties of Rh3X (X=Ti, V) compounds. Intermetallics, 2010, 18, 286-291.	3.9	21
15	Theoretical predictions of the structural, mechanical and lattice dynamical properties of XW2(Xâ€‰=â€‰Zr,) Tj ETQq1 1 0.784314	1.6	21
16	Investigation of structural, electronic and anisotropic elastic properties of Ru -doped WB 2 compound by increased valence electron concentration. Materials Chemistry and Physics, 2017, 189, 90-95.	4.0	21
17	First-principles studies of the structural, elastic, and lattice dynamical properties of ZrMo₂ and HfMo₂. Phase Transitions, 2017, 90, 598-609.	1.3	21
18	Structural, elastic, and lattice dynamical properties of Germanium diiodide (GeI2). Computational Materials Science, 2010, 50, 349-355.	3.0	20

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19	Thermo-elastic and lattice dynamical properties of Rh3Hf compound. Computational Materials Science, 2010, 48, 859-865.	3.0	19
20	Mechanical and dynamical stability of TiAsTe compound from ab initio calculations. Philosophical Magazine, 2015, 95, 2294-2305.	1.6	17
21	Anisotropic elastic and vibrational properties of Ru₂B₃and Os₂B₃: a first-principles investigation. Materials Research Express, 2016, 3, 076501.	1.6	16
22	Stability and morphology-dependence of Sc3+ ions incorporation and substitution kinetics within ZnO host lattice. Materials Science in Semiconductor Processing, 2015, 39, 103-111.	4.0	15
23	The structural, elastic and vibrational properties of the DyX(X=P, As) compounds. Physica Scripta, 2011, 83, 035601.	2.5	13
24	Density functional study of the mechanical and phonon properties of Al12X (XÂ=ÂMo, Tc, Ru, W, Re, and) Tj ETQq0 0 0 rgBT /Overlock 1	3.9	13
25	Molecular structure and vibrational spectra of 4-, 5-, 6-chloroindole. Structural Chemistry, 2008, 19, 41-50.	2.0	11
26	Structural, elastic, and lattice dynamical properties of YB2 compound. Computational Materials Science, 2011, 50, 1057-1063.	3.0	11
27	Structural, electronic, and elastic properties of K-As compounds: a first principles study. Journal of Molecular Modeling, 2012, 18, 3101-3112.	1.8	11
28	Calculation of the stability and mechanical and phonon properties of NbRuB, TaRuB, and NbOsB compounds. Philosophical Magazine, 2019, 99, 328-346.	1.6	11
29	Electronic structure and related optical, thermoelectric and dynamical properties of Lilianite-type Pb7Bi4Se13: Ab-initio and Boltzmann transport theory. Materialia, 2020, 10, 100658.	2.7	11
30	Strong Elastic Anisotropy of Low-Dimensional Ternary Compounds: InXTe3 (X = Si, Ge). Journal of Electronic Materials, 2021, 50, 2779-2788.	2.2	10
31	Scaled DFT Force Constants and Vibrational Spectrum of Cyclopropylamine. Spectroscopy Letters, 2005, 38, 505-519.	1.0	8
32	Vibrational Spectroscopic Studies on the Dicycloheptylaminecobalt(II) Tetracyanonickellate(II) Hostâ€“Aromatic Guest Systems. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2005, 53, 219-229.	1.6	7
33	First-principles investigation of the structural, dynamical, electronic, and elastic properties of WGe₂ and W₅Ge₃. Philosophical Magazine, 2020, 100, 1129-1149.	1.6	7
34	Origin of low thermal conductivity in monolayer PbI2. Solid State Communications, 2021, 327, 114223.	1.9	7
35	First principles study on the structural, electronic, and elastic properties of Naâ€“As systems. Solid State Communications, 2011, 151, 1349-1354.	1.9	6
36	Ab initioinvestigations of the strontium gallium nitride ternaries Sr₃GaN₃and Sr₆GaN₅: promising materials for optoelectronic. Semiconductor Science and Technology, 2013, 28, 085005.	2.0	6

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37	Synthesis, spectroscopic, crystal structure, biological activities and theoretical studies of 2-[(2E)-2-(2-chloro-6-fluorobenzylidene)hydrazinyl]pyridine. Journal of Molecular Structure, 2017, 1135, 98-105.	3.6	6
38	Revisiting the Electronic Structures and Phonon Properties of Thermoelectric Antimonide-Tellurides: Spinâ€“Orbit Coupling Induced Gap Opening in ZrSbTe and HfSbTe. Crystals, 2021, 11, 917.	2.2	6
39	Ab-initio calculations on half-Heusler NiXSn (XÂ=ÂZr, Hf) compounds: electronic and optical properties under pressure. Indian Journal of Physics, 2017, 91, 773-778.	1.8	5
40	A new quaternary semiconductor compound (Ba2Sb4GeS10): Ab initio study. Philosophical Magazine, 2017, 97, 549-560.	1.6	5
41	Exploring mechanical, electronic, vibrational, and thermoelectric properties of CaGa2P2, CaGa2As2, and SrGa2As2. Solid State Sciences, 2019, 96, 105942.	3.2	5
42	Theoretical study on gas-phase conformations and vibrational assignment of methylphenidate. Computational and Theoretical Chemistry, 2009, 893, 17-25.	1.5	4
43	Conformational and Vibrational Studies of Triclosan. AIP Conference Proceedings, 2010, , .	0.4	4
44	First-principles calculations of vibrational and thermodynamical properties of rare-earth diborides. Computational Materials Science, 2013, 68, 307-313.	3.0	4
45	Optical and electronic properties of orthorhombic and trigonal AXO₃ (A=Cd, Zn; X=Sn,) Tj ETQq1 1 0.784314 rgBT /Ove	0.6	4
46	Phonon transport properties of NbCoSb compound. Materials Research Express, 2020, , .	1.6	4
47	Electronic and thermodynamic properties of lanthanum tetraboride on low-temperature experimental and ab-initio calculation data. Journal of Alloys and Compounds, 2021, 862, 158020.	5.5	4
48	The stabilities, electronic structures and elastic properties of Rbâ€”As systems. Chinese Physics B, 2012, 21, 047101.	1.4	3
49	Optical and magnetic properties of some XMnSb and Co ₂ YZ Compounds: ab initio calculations. Physica Status Solidi C: Current Topics in Solid State Physics, 2017, 14, 1600182.	0.8	3
50	Physical insights on the ultralow thermal conductivity of Ag8XSe6 (XÂ=ÂSi, Ge, and Sn). Inorganic Chemistry Communication, 2022, 142, 109689.	3.9	3
51	Theoretical investigation of the Anti-Parkinson drug rasagiline and its salts: conformations and infrared spectra. Open Chemistry, 2012, 10, 395-406.	1.9	2
52	2-[(2E)-2-(3â€‘chloroâ€‘2-fluorobenzylidene)hydrazinyl]pyridine: Synthesis, spectroscopic, structural properties, biological activity and theoretical analysis. Journal of Molecular Structure, 2021, 1227, 129570.	3.6	1
53	Conformational Analysis, Dipole Moment and Polarizability of 3-(2-chlorophenyl)thiophene. AIP Conference Proceedings, 2007, , .	0.4	0
54	A theoretical study of molecular structure and potential energy surface for various substituents substituted 3-phenylthiophene. AIP Conference Proceedings, 2007, , .	0.4	0

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55	Ab-initio studies of some rare-earth borides: CeB₂, PrB₂, NdB₂, and PmB₂. International Journal of Materials Research, 2013, 104, 858-864.	0.3	0
56	Stability and Anisotropic Elastic Properties of a Hexagonal Î´-WN Compound. Journal of Electronic Materials, 0, , 1.	2.2	0