Haci Ozisik

List of Publications by Year in Descending Order

52 papers	765 citations	16 h-index	26 g-index
56 ext. papers	867 ext. citations	2.6 avg, IF	4.13 L-index

#	Paper	IF	Citations
52	Origin of low thermal conductivity in monolayer PbI2. *Solid State Communications*, **2021**, 327, 114223	1.6	1
51	2-[(2E)-2-(3-chloro-2-fluorobenzylidene)hydrazinyl]pyridine: Synthesis, spectroscopic, structural properties, biological activity and theoretical analysis. *Journal of Molecular Structure*, **2021**, 1227, 129570	3.4	1
50	Electronic and thermodynamic properties of lanthanum tetraboride on low-temperature experimental and ab-initio calculation data. *Journal of Alloys and Compounds*, **2021**, 862, 158020	5.7	4
49	Strong Elastic Anisotropy of Low-Dimensional Ternary Compounds: InXTe3 (X = Si, Ge). *Journal of Electronic Materials*, **2021**, 50, 2779-2788	1.9	1
48	Revisiting the Electronic Structures and Phonon Properties of Thermoelectric Antimonide-Tellurides: Spin□Orbit Coupling Induced Gap Opening in ZrSbTe and HfSbTe. *Crystals*, **2021**, 11, 917	2.3	1
47	Electronic structure and related optical, thermoelectric and dynamical properties of Lilianite-type Pb7Bi4Se13: Ab-initio and Boltzmann transport theory. *Materialia*, **2020**, 10, 100658	3.2	4
46	First-principles investigation of the structural, dynamical, electronic, and elastic properties of WGe2 and W5Ge3. *Philosophical Magazine*, **2020**, 100, 1129-1149	1.6	1
45	Exploring mechanical, electronic, vibrational, and thermoelectric properties of CaGa2P2, CaGa2As2, and SrGa2As2. *Solid State Sciences*, **2019**, 96, 105942	3.4	2
44	Calculation of the stability and mechanical and phonon properties of NbRuB, TaRuB, and NbOsB compounds. *Philosophical Magazine*, **2019**, 99, 328-346	1.6	4
43	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	6.7	25
42	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	3.4	5
41	Ab-initio calculations on half-Heusler NiXSn (X = Zr, Hf) compounds: electronic and optical properties under pressure. *Indian Journal of Physics*, **2017**, 91, 773-778	1.4	5
40	A new quaternary semiconductor compound (Ba2Sb4GeS10): Ab initio study. *Philosophical Magazine*, **2017**, 97, 549-560	1.6	5
39	Investigation of structural, electronic and anisotropic elastic properties of Ru-doped WB2 compound by increased valence electron concentration. *Materials Chemistry and Physics*, **2017**, 189, 90-95	4.4	16
38	First-principles studies of the structural, elastic, and lattice dynamical properties of ZrMo2 and HfMo2. *Phase Transitions*, **2017**, 90, 598-609	1.3	12
37	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		1
36	Anisotropic elastic and vibrational properties of Ru2B3and Os2B3: a first-principles investigation. *Materials Research Express*, **2016**, 3, 076501	1.7	12

35	Optical and electronic properties of orthorhombic and trigonal AXO3 (A=Cd, Zn; X=Sn, Ge): First principle calculation. *Ferroelectrics*, **2016**, 498, 73-79	0.6	2
34	Mechanical and dynamical stability of TiAsTe compound from ab initio calculations. *Philosophical Magazine*, **2015**, 95, 2294-2305	1.6	13
33	Stability and morphology-dependence of Sc3+ ions incorporation and substitution kinetics within ZnO host lattice. *Materials Science in Semiconductor Processing*, **2015**, 39, 103-111	4.3	12
32	Density functional study of the mechanical and phonon properties of Al12X (X = Mo, Tc, Ru, W, Re, and Os) compounds. *Intermetallics*, **2014**, 50, 1-7	3.5	12
31	Theoretical predictions of the structural, mechanical and lattice dynamical properties of XW2 (X = Zr, Hf) Laves phases. *Philosophical Magazine*, **2014**, 94, 1379-1392	1.6	18
30	Mechanical, electronic, and optical properties of Bi□□ and Bi□□ compounds: first principle investigations. *Journal of Molecular Modeling*, **2014**, 20, 2180	2	50
29	Structural and mechanical stability of rare-earth diborides. *Chinese Physics B*, **2013**, 22, 046202	1.2	53
28	The first principles studies of the MgB7 compound: Hard material. *Intermetallics*, **2013**, 39, 84-88	3.5	26
27	First-principles calculations of vibrational and thermodynamical properties of rare-earth diborides. *Computational Materials Science*, **2013**, 68, 307-313	3.2	4
26	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	3.2	31
25	Ab initioinvestigations of the strontium gallium nitride ternaries Sr3GaN3and Sr6GaN5: promising materials for optoelectronic. *Semiconductor Science and Technology*, **2013**, 28, 085005	1.8	6
24	Ab-initio studies of some rare-earth borides: CeB2, PrB2, NdB2, and PmB2. *International Journal of Materials Research*, **2013**, 104, 858-864	0.5	
23	The stabilities, electronic structures and elastic properties of Rb□As systems. *Chinese Physics B*, **2012**, 21, 047101	1.2	3
22	First principles prediction of the elastic, electronic, and optical properties of Sb2S3 and Sb2Se3 compounds. *Solid State Sciences*, **2012**, 14, 1211-1220	3.4	85
21	Theoretical investigation of the Anti-Parkinson drug rasagiline and its salts: conformations and infrared spectra. *Open Chemistry*, **2012**, 10, 395-406	1.6	1
20	Structural, electronic, and elastic properties of K-As compounds: a first principles study. *Journal of Molecular Modeling*, **2012**, 18, 3101-12	2	9
19	Structural, elastic, and lattice dynamical properties of YB2 compound. *Computational Materials Science*, **2011**, 50, 1057-1063	3.2	10
18	Structural and lattice dynamical properties of Zintl NaIn and NaTl compounds. *Computational Materials Science*, **2011**, 50, 1070-1076	3.2	18

17	The structural and mechanical properties of CdN compound: A first principles study. *Computational Materials Science*, **2011**, 50, 3208-3212	3.2	27
16	Mechanical and phonon properties of the superhard LuB2, LuB4, and LuB12 compounds. *Journal of Alloys and Compounds*, **2011**, 509, 1711-1715	5.7	47
15	First principles study on the structural, electronic, and elastic properties of NaAs systems. *Solid State Communications*, **2011**, 151, 1349-1354	1.6	4
14	The structural, elastic and vibrational properties of the DyX(X=P, As) compounds. *Physica Scripta*, **2011**, 83, 035601	2.6	11
13	The lattice dynamical and thermo-elastic properties of Rh3X (X=Ti, V) compounds. *Intermetallics*, **2010**, 18, 286-291	3.5	18
12	Thermo-elastic and lattice dynamical properties of Rh3Hf compound. *Computational Materials Science*, **2010**, 48, 859-865	3.2	16
11	Structural, elastic, and lattice dynamical properties of Germanium diiodide (GeI2). *Computational Materials Science*, **2010**, 50, 349-355	3.2	15
10	Conformational and Vibrational Studies of Triclosan **2010**,		2
9	Mechanical and lattice dynamical properties of the Re2C compound. *Physica Status Solidi - Rapid Research Letters*, **2010**, 4, 347-349	2.5	21
8	Theoretical study on gas-phase conformations and vibrational assignment of methylphenidate. *Computational and Theoretical Chemistry*, **2009**, 893, 17-25		4
7	The first-principles study on the LaN. *Materials Chemistry and Physics*, **2008**, 108, 120-123	4.4	80
6	Molecular structure and vibrational spectra of 4-, 5-, 6-chloroindole. *Structural Chemistry*, **2008**, 19, 41-50	1.8	8
5	Electronic, elastic, thermodynamical, and dynamical properties of the rock-salt compounds LaAs and LaP. *Journal of Physics Condensed Matter*, **2007**, 19, 436204	1.8	22
4	The first principles study on boron bismuth compound. *Computational Materials Science*, **2007**, 39, 533-540	3.2	22
3	Scaled DFT Force Constants and Vibrational Spectrum of Cyclopropylamine. *Spectroscopy Letters*, **2005**, 38, 505-519	1.1	8
2	Vibrational Spectroscopic Studies on the Dicycloheptylaminecobalt(II) Tetracyanonickellate(II) Host–Aromatic Guest Systems. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2005**, 53, 219-229		6
1	Stability and Anisotropic Elastic Properties of a Hexagonal WN Compound. *Journal of Electronic Materials*,1	1.9	