Abdullah Candan

List of Publications by Year
in descending order

33	540	759055 12	642610 23
papers	citations	h-index	g-index

33	33	33	297
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic structure and vibrational properties in cobalt-based full-Heusler compounds: A first principle study of Co2MnX (X=Si, Ge, Al, Ga). Journal of Alloys and Compounds, 2013, 560, 215-222.	2.8	92
2	First-principle investigation for the hydrogen storage properties of NaXH3 (X= Mn, Fe, Co) perovskite type hydrides. International Journal of Hydrogen Energy, 2019, 44, 30218-30225.	3.8	46
3	CaXH ₃ (X = Mn, Fe, Co) perovskiteâ€type hydrides for hydrogen storage applications. International Journal of Energy Research, 2020, 44, 2345-2354.	2.2	46
4	Electronic and phonon properties of the full-Heusler alloys X2YAl (XÂ=ÂCo, Fe and YÂ=ÂCr, Sc): a density functional theory study. Journal of Materials Science, 2014, 49, 4180-4190.	1.7	42
5	Investigation of structural, electronic, magnetic and lattice dynamical properties for XCoBi (X: Ti, Zr,) Tj ETQq1 1 0.784314 rgBT /Over	1.3	38
6	Electronic structure, elastic and phonon properties of perovskite-type hydrides MgXH 3 (Xâ€¯=â€¯Fe, Co) for hydrogen storage. Solid State Communications, 2018, 281, 38-43.	0.9	36
7	Theoretical research on structural, electronic, mechanical, lattice dynamical and thermodynamic properties of layered ternary nitrides Ti2AN (Aâ€¯=â€¯Si, Ge and Sn). Journal of Alloys and Compounds, 2019, 771, 664-673.	2.8	34
8	Equiatomic quaternary Heusler compounds TiVFeZ (Z=Al, Si, Ge): Half-metallic ferromagnetic materials. Journal of Alloys and Compounds, 2021, 883, 160869.	2.8	27
9	Structural, elastic, electronic and phonon properties of scandium-based compounds ScX3 (X=Ir, Pd, Pt) Tj ETQq1 1 0.784314 rgBT /Over	1.4	25
10	Phase transition of Nowotnyâ€“Juza NaZnX (X=P, As and Sb) compounds at high pressure: Theoretical investigation of structural, electronic and vibrational properties. Computational Materials Science, 2014, 87, 187-197.	1.4	23
11	First principles study on the structural, electronic, mechanical and lattice dynamical properties of XRhSb (X = Ti and Zr) paramagnet half-Heusler antimonides. Materials Research Express, 2019, 6, 106315.	0.8	17
12	Structural, elastic, electronic, and magnetic properties of Si-doped Co2MnGe full-Heusler type compounds. Journal of Alloys and Compounds, 2020, 845, 155499.	2.8	17
13	Ab-initio study of the structural, electronic, elastic and vibrational properties of the intermetallic Pd3V and Pt3V alloys in the L12 phase. Metals and Materials International, 2014, 20, 765-773.	1.8	11
14	An examination of the structural, electronic, elastic, vibrational and thermodynamic properties of Ru2YGa (Yâ€¯=â€¯Sc, Ti and V) Heusler alloys. Chinese Journal of Physics, 2018, 56, 1772-1780.	2.0	11
15	Magnetic, Electronic, Mechanic, Anisotropic Elastic and Vibrational Properties of Antiferromagnetic Ru2TGa (Tâ€‰=â€‰Cr, Mn, and Co) Heusler Alloys. Journal of Electronic Materials, 2019, 48, 7608-7622.	1.0	10
16	First-principles study of structural, electronic, elastic and phonon properties of AB2O4(A = Ge,Si;B =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.0	9
17	Structural, elastic, electronic and vibrational properties of XAl2O4 (XÂ=ÂCa, Sr and Cd) semiconductors with orthorhombic structure. Journal of Alloys and Compounds, 2019, 809, 151773.	2.8	9
18	A first-principles study of the structural, electronic, optical, and vibrational properties for paramagnetic half-Heusler compound TiIrBi by GGA and GGAâ€¯+â€¯mBJ functional. Materials Today Communications, 2021, 27, 102246.	0.9	7

#	Article	IF	Citations
19	A study on magnetic, electronic, elastic and vibrational properties of Ir₂MnAl Heusler alloy for spintronic applications. Materials Research Express, 2019, 6, 096571.	0.8	6
20	Electronic, mechanical and lattice dynamical properties of YXB₄ (X = Cr, Mn, Fe, and Co) compounds. Physica Scripta, 2019, 94, 125710.	1.2	6
21	AB INITIO STUDY OF PHONON DISPERSION AND ELASTIC PROPERTIES OF L1₂ INTERMETALLICS Ti₃Al AND Y₃Al. Modern Physics Letters B, 2013, 27, 1350224.	1.0	4
22	First-principles studies of Tin+1SiNn (nâ€‰=â€‰1, 2, 3) MAX phase. Philosophical Magazine, 2020, 100, 2183-2204.	0.4	4
23	First principles investigation of the structural, elastic, electronic and vibrational properties of vanadium-based V3X (X = Fe, Co, and Ni) compounds. Journal of Physics and Chemistry of Solids, 2021, 150, 109854.	1.9	4
24	First principles study of the structural, elastic, electronic and phonon properties of CdX2O4 (X=Al,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		3
25	Structural, Electronic, and Magnetic Properties of Hard Magnetic SmNi2Fe Compound: a DFT Study. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3901-3905.	0.8	3
26	Thermodynamic Modeling of the Al-Ba and Ba-Ge Systems Supported by First-Principles Calculations. Journal of Phase Equilibria and Diffusion, 2019, 40, 195-205.	0.5	3
27	Electronic nature, optical and mechanical properties of MPtO (M = Sc, Y and La) pyrochlores: A DFT study. Physica B: Condensed Matter, 2021, 607, 412862.	1.3	3
28	First principles investigations of the structural, elastic, electronic, vibrational and thermodynamic properties of hexagonal XAl₂O₄ (X = Cd, Ca and Sr). Materials Research Express, 2019, 6, 085518.	0.8	2
29	The first principle study of Ni2ScGa and Ni2TiGa. , 2014, , .		1
30	First Brillouin zone-centre phonon frequencies and elastic stiffness of the Ln2Hf2O7 (LnÂ= La, Nd, Sm) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.9	1
31	Ru2FeGa Heusler alaÅŸÄ±mÄ±nÄ±n yapÄ±sal, elektronik, elastik ve fonon Ã¶zelliklerinin ilk prensip Ã§alÄ±ÅŸmasÄ±. Sakarya University Journal of Science, 0, , 1-1.	0.3	1
32	Pressure and Spin Effect on the Stability, Electronic and Mechanic Properties of three Equiatomic Quaternary Heusler (FeVHfZ, Z= Al, Si, and Ge) Compounds. Materials Today Communications, 2021, 29, 102941.	0.9	1
33	Structural, elastic, electronic and phonon properties of SnX2O4 (X=Mg, Zn, Cd) spinel from density functional theory. AIP Conference Proceedings, 2014, , .	0.3	0