

Salih Akbudak

List of Publications by Year in descending order

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25
papers

409
citations

933447

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752698

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docs citations

25
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, elastic, electronic, and magnetic properties of Si-doped Co ₂ MnGe full-Heusler type compounds. Journal of Alloys and Compounds, 2020, 845, 155499.	5.5	17
2	Study of structural, elastic, electronic, and vibrational properties of MRh ₂ O ₄ (M = Cd and Zn) spinels: DFT-based calculations. Journal of Molecular Modeling, 2020, 26, 140.	1.8	2
3	A study on the vibrational frequencies, elastic properties and sound velocities of vanadium spinel oxides AV ₂ O ₄ (A = Mn, Fe and Zn) short-range non-Coulomb potential theoretical model. Bulletin of Materials Science, 2020, 43, 1.	1.7	86
4	Structural, elastic, electronic and vibrational properties of XAl ₂ O ₄ (X = Ca, Sr and Cd) semiconductors with orthorhombic structure. Journal of Alloys and Compounds, 2019, 809, 151773.	5.5	9
5	Pressure effect on mechanical stability and ground state optoelectronic properties of Li ₂ S ₂ produced by Lithium-Sulfur batteries discharge: GGA-PBE, GLLB-SC and mBJ investigation. Philosophical Magazine, 2019, 99, 2789-2817.	1.6	1
6	First principles investigations of the structural, elastic, vibrational, and thermodynamic properties of TiMg ₂ O ₄ oxide spinels: cubic and tetragonal phases. Journal of Molecular Modeling, 2019, 25, 210.	1.8	1
7	First Brillouin zone-centre phonon frequencies and elastic stiffness of the Ln ₂ Hf ₂ O ₇ (Ln = La, Nd, Sm) Tj ETQq1 1 0.784314 1gBT /Over 2.1	2.1	1
8	Lattice dynamical and elastic properties of BaF ₂ X ₂ (X = Cl, Br and I): Matlockite structure compounds. International Journal of Modern Physics B, 2019, 33, 1950221.	2.0	4
9	Structural, Electronic, and Magnetic Properties of Hard Magnetic SmNi ₂ Fe Compound: a DFT Study. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3901-3905.	1.8	3
10	First principles investigations of the structural, elastic, electronic, vibrational and thermodynamic properties of hexagonal XAl ₂ O ₄ (X = Cd, Ca and Sr). Materials Research Express, 2019, 6, 085518.	1.6	2
11	Basis set convergence of binding energy with and without CP-correction utilizing PBE0 method: A benchmark study of X ₂ (X=Ge, As, Se, Sc, Ti, V, Cr, Mn, Co, Cu, Zn). Journal of Theoretical and Computational Chemistry, 2019, 18, 1950034.	1.8	0
12	Theoretical research on structural, electronic, mechanical, lattice dynamical and thermodynamic properties of layered ternary nitrides Ti ₂ AN (A = Si, Ge and Sn). Journal of Alloys and Compounds, 2019, 771, 664-673.	5.5	34
13	Lattice dynamical and elastic properties of mixed quaternary semiconducting alloys CuGa _{1-x} Al _x S ₂ and Ag _x Cu _{1-x} Ga ₂ S ₂ . Materials Research Express, 2019, 6, 025901.	1.6	1
14	First-principle calculations of structural, electronic and magnetic investigations of Mn ₂ RuGe _{1-x} Sn _x quaternary Heusler alloys. Chinese Journal of Physics, 2018, 56, 567-573.	3.9	72
15	Effect of Core Electrons in Defining the Total Energy, Correlation Energy, and Binding Energy of Graphene, Graphite, and Diamond: a First-Principles Study. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3097-3104.	1.8	3
16	Vibrational, Elastic Properties and Sound Velocities of MgTi ₂ O ₄ Spinel. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1421-1425.	1.8	2
17	Vibrational and elastic properties of silicate spinels A ₂ SiO ₄ (A = Mg, Fe, Ni, and Co). Journal of Physics and Chemistry of Solids, 2018, 117, 167-172.	4.0	3
18	Structural, electronic, elastic, optical and vibrational properties of MAI ₂ O ₄ (M = Co and Mn) aluminate spinels. Ceramics International, 2018, 44, 310-316.	4.8	17

#	ARTICLE	IF	CITATIONS
19	Vibrational and elastic properties of $\text{Ln}_2\text{Sn}_2\text{O}_7$ ($\text{Ln}=\text{La, Sm, Gd, Dy, Ho, Er, Yb, or Lu}$). <i>Journal of Physics and Chemistry of Solids</i> , 2018, 115, 1-5.	4.0	7
20	An examination of the structural, electronic, elastic, vibrational and thermodynamic properties of Ru_2YGa ($\text{Y}=\text{Sc, Ti and V}$) Heusler alloys. <i>Chinese Journal of Physics</i> , 2018, 56, 1772-1780.	3.9	11
21	Investigation of structural, elastic, electronic, optical and vibrational properties of silver chromate spinels: Normal (CrAg_2O_4) and inverse (Ag_2CrO_4). <i>Journal of Alloys and Compounds</i> , 2017, 704, 101-108.	5.5	26
22	Investigation of the structural, electronic, elastic and thermodynamic properties of Curium Monopnictides: An <i>ab-initio</i> study. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750226.	2.0	5
23	Effective distance of a ferromagnetic trilayer Ising nanostructure with an ABA stacking sequence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 434, 194-200.	2.6	28
24	The peak effect (PE) region of the antiferromagnetic two layer Ising nanographene. <i>Physica B: Condensed Matter</i> , 2014, 452, 18-22.	2.7	41
25	Mixed spin-1 and spin-3/2 Ising system with two alternative layers of a honeycomb lattice within the effective-field theory. <i>Solid State Communications</i> , 2011, 151, 193-198.	1.9	33