

Kadda Amara

List of Publications by Year in descending order

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papers

559
citations

623734

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32
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citing authors

#	ARTICLE	IF	CITATIONS
1	First principles study of a new half-metallic ferrimagnets Mn ₂ -based full Heusler compounds: Mn ₂ ZrSi and Mn ₂ ZrGe. Journal of Magnetism and Magnetic Materials, 2015, 388, 59-67.	2.3	79
2	Theoretical investigations of structural, mechanical, electronic and optical properties of NaScSi alloy. Emergent Materials, 2021, 4, 1465-1477.	5.7	71
3	First-principles study on structural properties and phase stability of III-phosphide (BP, GaP, AlP and) Tj ETQq1 1 0.784314 rgBT /Overloc	3.0	55
4	First-principles study of structural, elastic, electronic, and thermal properties of SrTiO ₃ perovskite cubic. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 879-884.	2.1	35
5	First-principles study of structural, elastic, electronic, and thermal properties of LaAlO ₃ perovskite. Computational Materials Science, 2009, 45, 1068-1072.	3.0	29
6	Computational Prediction of Structural, Electronic, Elastic, and Thermoelectric Properties of FeVX (X=As, P) Half-Heusler Compounds. Journal of Electronic Materials, 2020, 49, 4916-4922.	2.2	28
7	First-principles investigation of structural, mechanical, electronic, and thermoelectric properties of Half-Heusler compounds RuVX (X=As, P, and Sb). Computational Condensed Matter, 2018, 16, e00312.	2.1	26
8	Ab Initio Prediction of the Structural, Electronic, Elastic, and Thermoelectric Properties of Half-Heusler Ternary Compounds TiIrX (X=As and Sb). Journal of Electronic Materials, 2018, 47, 196-204.	2.2	25
9	Structural stability, electronic structure, and novel transport properties with high thermoelectric performances of ZrIrX (X=As, Bi, and Sb). Journal of Computational Electronics, 2017, 16, 1-11.	2.5	22
10	Calculation of structural, elastic, electronic, and thermal properties of orthorhombic CaTiO ₃ . Physica B: Condensed Matter, 2010, 405, 3879-3884.	2.7	20
11	Half-metallic stability of the cubic Perovskite KMgO ₃ . Computational Condensed Matter, 2020, 23, e00456.	2.1	19
12	First-principles study of XNMg ₃ (X=P, As, Sb and Bi) antiperovskite compounds. Journal of Alloys and Compounds, 2013, 576, 398-403.	5.5	18
13	LaBi under high pressure and high temperature: A first-principle study. Physica B: Condensed Matter, 2008, 403, 4305-4308.	2.7	17
14	Molecular dynamics simulations of the structural, elastic and thermodynamic properties of cubic BBi. Computational Materials Science, 2008, 44, 635-640.	3.0	16
15	Robust half metallicity state with the hydrostatic and tetragonal distortion for a new quaternary Heusler ZrTiRhGa: FP-LAPW calculations. Physica B: Condensed Matter, 2019, 557, 56-62.	2.7	13
16	First-principles study on structural, mechanical, and magneto-electronic properties in new half-metallic perovskite LiBeO ₃ . Computational Condensed Matter, 2019, 21, e00399.	2.1	12
17	A computational study of the optoelectronic and thermoelectric properties of HflrX (X = As, Sb and) Tj ETQq1 1 0.784314 rgBT /Overloc	2.5	11
18	First-principles study of the new potential photovoltaic absorber: Cu ₂ MgSnS ₄ compound. Chinese Physics B, 2017, 26, 076201.	1.4	10

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19	First-principles Study of a Half-metallic Ferrimagnetic New Full-Heusler Mn ₂ OsGe Alloy. Spin, 2020, 10, .	1.3	9
20	Recalculate Structural, Elastic, Electronic, and Thermal Properties in LaAlO ₃ ; Rhombohedral Perovskite. Advances in Materials Physics and Chemistry, 2013, 03, 146-152.	0.7	9
21	Prediction of the structural, electronic, and piezoelectric properties of narrow-bandgap compounds FeVX (X = P, As, Sb). Journal of Computational Electronics, 2020, 19, 1365-1372.	2.5	6
22	Structural, elastic, electronic and transport properties of CoVX (X = Ge and Si) compounds: A DFT prediction. Computational Condensed Matter, 2020, 24, e00475.	2.1	6
23	First principles prediction of a new high-pressure phase and transport properties of Mg ₂ Si. Indian Journal of Physics, 2016, 90, 1403-1415.	1.8	5
24	Theoretical study of structural, elastic and thermodynamic properties of Cu ₂ MgSnX ₄ (X = S, Se and Te) quaternary compounds. Computational Condensed Matter, 2019, 18, e00339.	2.1	5
25	Relative stability and phase transitions under pressure of SrTiO ₃ : <i>ab initio</i> FP-LAPW within GGA-PBEsol+TB-mBJ calculations. International Journal of Modern Physics B, 2014, 28, 1450121.	2.0	3
26	New stable half-metallic ferromagnetic structure of KO. Phase Transitions, 2020, 93, 217-227.	1.3	3
27	Theoretical design of novel half-metallic alloys XMg ₃ O ₄ (X = Li, Na, K, Rb). Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	3
28	New half-metallic ferromagnetic oxides XBe ₃ O ₄ (X = Li and Na). Computational Condensed Matter, 2022, 31, e00665.	2.1	2
29	Etude de la structure moléculaire, la polarisabilité, l'hyper-polarisabilité et l'analyse HOMO-LUMO des structures monomères et dimères du N-(3-méthylphényl)-2-nitrobenzènesulfonamide C ₁₃ H ₁₂ N ₂ O ₄ S. Canadian Journal of Physics, 2019, 97, 297-307.	1.1	1
30	Structural and Half-Metallic Stabilities of the Half-Heusler Alloys KNaAs, KRbAs and NaRbAs: First Principles Method. Spin, 2021, 11, .	1.3	1
31	Ferrimagnetic Half-Metallicity of the New Quaternary Heusler Alloy CoCrScIn: FP-LAPW Method. Spin, 2021, 11, 2150017.	1.3	0
32	<i>Ab Initio</i> Study of the Relative Stability and Opto-Electronics Properties of the Cu ₂ MgSiS ₄ Compound. Acta Physica Polonica A, 2019, 135, 380-390.	0.5	0