Kadda Amara

List of Publications by Year
in descending order

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32	559	623734	642732
papers	citations	14	23
		h-index	g-index

32	32	32	471
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New half-metallic ferromagnetic oxides XBe3O4 (X=Li and Na). Computational Condensed Matter, 2022, 31, e00665.	2.1	2
2	Structural and Half-Metallic Stabilities of the Half-Heusler Alloys KNaAs, KRbAs and NaRbAs: First Principles Method. Spin, 2021, 11, .	1.3	1
3	Theoretical design of novel half-metallic alloys XMg3O4(Xâ€‰=â€‰Li, Na, K, Rb). Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	3
4	Theoretical investigations of structural, mechanical, electronic and optical properties of NaScSi alloy. Emergent Materials, 2021, 4, 1465-1477.	5.7	71
5	Ferrimagnetic Half-Metallicity of the New Quaternary Heusler Alloy CoCrScIn: FP-LAPW Method. Spin, 2021, 11, 2150017.	1.3	0
6	New stable half-metallic ferromagnetic structure of KO. Phase Transitions, 2020, 93, 217-227.	1.3	3
7	Half-metallic stability of the cubic Perovskite KMgO3. Computational Condensed Matter, 2020, 23, e00456.	2.1	19
8	First-principles Study of a Half-metallic Ferrimagnetic New Full-Heusler Mn₂OsGe Alloy. Spin, 2020, 10, .	1.3	9
9	Computational Prediction of Structural, Electronic, Elastic, and Thermoelectric Properties of FeVX (Xâ€‰=â€‰As, P) Half-Heusler Compounds. Journal of Electronic Materials, 2020, 49, 4916-4922.	2.2	28
10	Prediction of the structural, electronic, and piezoelectric properties of narrow-bandgap compounds FeVX (Xâ€‰=â€‰P, As, Sb). Journal of Computational Electronics, 2020, 19, 1365-1372.	2.5	6
11	Structural, elastic, electronic and transport properties of CoVX (XÂ= Ge and Si) compounds: A DFT prediction. Computational Condensed Matter, 2020, 24, e00475.	2.1	6
12	Etude de la structure molÃ©culaire, la polarisabilitÃ©, lâ€™hyper-polarisabilitÃ© et lâ€™analyse HOMOâ€“LUMO des structures monomÃ¨res et dimÃ¨res du N-(3-mÃ©thylphÃ©nyl)-2-nitrobenzÃ¨nesulfonamide C₁₃H₁₂N₂O₄S. Canadian Journal of Physics, 2019, 97, 297-307.	1.1	1
13	First-principles study on structural, mechanical, and magneto-electronic properties in new half-metallic perovskite LiBeO3. Computational Condensed Matter, 2019, 21, e00399.	2.1	12
14	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
15	Theoretical study of structural, elastic and thermodynamic properties of Cu2MgSnX4 (XÂ= S, Se and Te) quaternary compounds. Computational Condensed Matter, 2019, 18, e00339.	2.1	5
16	Ab Initio Study of the Relative Stability and Opto-Electronics Properties of the Cu2MgSiS4 Compound. Acta Physica Polonica A, 2019, 135, 380-390.	0.5	0
17	Ab Initio Prediction of the Structural, Electronic, Elastic, and Thermoelectric Properties of Half-Heusler Ternary Compounds TiIrX (XÂ=ÂAs and Sb). Journal of Electronic Materials, 2018, 47, 196-204.	2.2	25
18	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

#	Article	IF	Citations
19	A computational study of the optoelectronic and thermoelectric properties of HfIrX (X = As, Sb and) Tj ETQq1 1 0.784314 rgBT /Overlo	2.5	11
20	First-principles study of the new potential photovoltaic absorber: Cu ₂ MgSnS ₄ compound. Chinese Physics B, 2017, 26, 076201.	1.4	10
21	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
22	First principles prediction of a new high-pressure phase and transport properties of Mg2Si. Indian Journal of Physics, 2016, 90, 1403-1415.	1.8	5
23	First principles study of a new half-metallic ferrimagnets Mn2-based full Heusler compounds: Mn2ZrSi and Mn2ZrGe. Journal of Magnetism and Magnetic Materials, 2015, 388, 59-67.	2.3	79
24	Relative stability and phase transitions under pressure ofSrTiO₃:ab initioFP-LAPW within GGA-PBEsol+TB-mBJ calculations. International Journal of Modern Physics B, 2014, 28, 1450121.	2.0	3
25	First-principles study of XNMg3 (X=P, As, Sb and Bi) antiperovskite compounds. Journal of Alloys and Compounds, 2013, 576, 398-403.	5.5	18
26	Recalculate Structural, Elastic, Electronic, and Thermal Properties in LaAlO₃ Rhombohedral Perovskite. Advances in Materials Physics and Chemistry, 2013, 03, 146-152.	0.7	9
27	Calculation of structural, elastic, electronic, and thermal properties of orthorhombic CaTiO3. Physica B: Condensed Matter, 2010, 405, 3879-3884.	2.7	20
28	First-principles study on structural properties and phase stability of III-phosphide (BP, GaP, AlP and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.0	55
29	First-principles study of structural, elastic, electronic, and thermal properties of SrTiO3 perovskite cubic. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 879-884.	2.1	35
30	First-principles study of structural, elastic, electronic, and thermal properties of LaAlO3 perovskite. Computational Materials Science, 2009, 45, 1068-1072.	3.0	29
31	LaBi under high pressure and high temperature: A first-principle study. Physica B: Condensed Matter, 2008, 403, 4305-4308.	2.7	17
32	Molecular dynamics simulations of the structural, elastic and thermodynamic properties of cubic BBi. Computational Materials Science, 2008, 44, 635-640.	3.0	16