

Shakeel Ahmad Sofi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3602444/publications.pdf>

Version: 2024-02-01

14
papers

304
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

130
citing authors

#	ARTICLE	IF	CITATIONS
1	High Pressure-Temperature study on thermodynamics, half-metallicity, transport, elastic and structural properties of Co-based Heusler alloys: A first-principles study. Journal of Solid State Chemistry, 2020, 284, 121178.	2.9	59
2	Investigation of structural, elastic, thermophysical, magneto-electronic, and transport properties of newly tailored Mn-based Heuslers: A density functional theory study. International Journal of Quantum Chemistry, 2020, 120, e26216.	2.0	42
3	Investigation of high pressure and temperature study of thermo-physical properties in semiconducting Fe ₂ ZrSi Heusler. Physica B: Condensed Matter, 2020, 577, 411792.	2.7	40
4	Prediction of robustness of electronic, magnetic and thermoelectric properties under pressure and temperature variation in Co ₂ MnAs alloy. Computational Condensed Matter, 2019, 19, e00375.	2.1	34
5	Exploration of electronic structure, mechanical stability, magnetism, and thermophysical properties of L ₂₁ structured Co ₂ XSb (X = Sc and Ti) ferromagnets. International Journal of Energy Research, 2020, 44, 2137-2149.	4.5	33
6	Systematic study of ferromagnetic phase stability of Co-based Heusler materials with high figure of merit: Hunt for spintronics and thermoelectric applicability. AIP Advances, 2020, 10, .	1.3	26
7	Pursuit of thermoelectric properties in L ₂₁ structured Co ₂ PAI (P = Ru, Rh) ductile ferromagnetic materials: A first principles prospective. Journal of Solid State Chemistry, 2021, 296, 121942.	2.9	13
8	Current research and future prospective of cobalt-based Heusler alloys as thermoelectric materials: A density functional approach. International Journal of Energy Research, 2021, 45, 4652-4668.	4.5	12
9	High temperature and pressure dependent structural and thermophysical properties of Co ₂ VN (N = Sn, Sb) ferromagnetic materials. Materials Research Express, 2020, 7, 125701.	1.6	12
10	Investigation of structural and mechanical properties of ferromagnetic Co ₂ MnAs compound. AIP Conference Proceedings, 2019, , .	0.4	11
11	Robustness in ferromagnetic phase stability, half-metallic behavior and transport properties of cobalt-based Heuslers compounds: A first principles approach. International Journal of Quantum Chemistry, 2021, 121, e26538.	2.0	10
12	High temperature and pressure study on structural and thermophysical properties of Co ₂ XAl (X = Zr, Nb, Hf) Heusler materials by density functional theory calculations. Philosophical Magazine, 2021, 101, 1654-1678.	1.6	6
13	Investigation of pressure induced phase transition and thermoelectrics of semiconducting Fe ₂ ZrSi. AIP Conference Proceedings, 2020, , .	0.4	4
14	Inspecting the Thermoelectric Response and Mechanical Stability of Novel Cobalt-Based Heusler Alloys: A DFT Insight. Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	2