Asif Mahmood

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8044647/publications.pdf

Version: 2024-02-01

		759233	752698
21	381	12	20
papers	citations	h-index	g-index

21	21	21	238
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The first-principle study of mechanical, optical and thermoelectric properties of SnZrO3 and SnHfO3 for renewable energy applications. Solid State Communications, 2019, 292, 17-23.	1.9	51
2	Cs₂NaGaBr₆: a new lead-free and direct band gap halide double perovskite. RSC Advances, 2020, 10, 17444-17451.	3.6	49
3	Exploration of magnesium based MgX2O4 (Xâ€¯=â€¯Rh, Bi) spinels for thermoelectric applications using density functional theory (DFT). Journal of Materials Research and Technology, 2020, 9, 6135-6142.	5.8	38
4	Physical characteristics of CdZrO3 perovskite at different pressure for optoelectronic application. Journal of Materials Research and Technology, 2020, 9, 9965-9971.	5.8	29
5	GGA and GGA + U Study of Rare Earth-Based Perovskites in Cubic Phase. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1389-1396.	1.8	26
6	Density functional theory study of electronic, optical and transport properties of magnesium based MgY2Z4 (Z = S and Se) spinels. Current Applied Physics, 2020, 20, 1097-1102.	2.4	26
7	First-principle investigation of ferromagnetism and thermoelectric characteristics of MgCr2X4 (X = S,) Tj ETQq1 1 0.784314 rgBT /Over	2.9	24
8	Theoretical Investigation of Cubic BaVO3 and LaVO3 Perovskites via Tranâ€“Blaha-Modified Beckeâ€“Johnson Exchange Potential Approach. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3129-3136.	1.8	20
9	Study of half metallic nature and transport properties of XMnSe2 (X = Ca, Sr and Ba) compounds via ab-initio calculations. Journal of Materials Research and Technology, 2020, 9, 10511-10519.	5.8	20
10	Analysis of ternary AlGaX₂(XÂ=ÂAs, Sb) compounds for opto-electronic and renewable energy devices using density functional theory. Physica Scripta, 2021, 96, 125706.	2.5	19
11	Abâ€initio study of optoâ€electronic and thermoelectric properties of direct bandgap double perovskites <scp> Rb ₂ XGaBr ₆ </scp> (Xï£¾Na, K). International Journal of Energy Research, 2021, 45, 9241-9251.	4.5	18
12	Study of pressure induced physical properties of ZnZrO3 perovskite using density functional theory. Chemical Physics Letters, 2020, 753, 137601.	2.6	18
13	Ab-initio computations of CaV2S4 and CaMn2S4 spinels for spintronics and energy storage system applications. Journal of Materials Research and Technology, 2020, 9, 14783-14791.	5.8	12
14	Theoretical investigation of optical properties and band gap engineering for Zn _{1â^'x} TM _x Te (TM = Fe, Co) alloys by modified Beckeâ€“Johnson potential. Chinese Physics B, 2017, 26, 087803.	1.4	9
15	First-principle computations of ferromagnetic HgCr2Z4 (ZÂ=ÂS, Se) spinels for spintronic and energy storage system applications. Journal of Materials Research and Technology, 2020, 9, 16159-16166.	5.8	9
16	Morphologically controlled dielectric dispersion and energy density optimization in Co/Ni spinel ferrites. Ceramics International, 2020, 46, 9765-9772.	4.8	7
17	CNTs mediated electrochemical performance and dielectric dispersion of TiO2-based hydrothermally synthesized nanocomposites. Ionics, 2021, 27, 2107-2118.	2.4	3
18	Pressure induced mechanical, opto-electronics, and transport properties of ZnHfO3 oxide for solar cell and energy harvesting devices. Materials Research Express, 2021, 8, 065504.	1.6	1

#	Article	IF	Citations
19	Theoretical analysis of ferromagnetism and electronic transport aspects of CaM2S4 (M = Ti, Cr) spinels for the application of spintronic and energy storage system. Modern Physics Letters B, 2021, 35, 2150162.	1.9	1
20	Analyzing opto-electronic and transport characteristics of ZnSc2Se4 and CdSc2Se4 spinels for opto-electronic and energy storage devices. Modern Physics Letters B, 2021, 35, 2150184.	1.9	1
21	Predicting ferromagnetism and thermoelectric characteristics in bulk spinels ZnCr₂X₄ (XÂ=ÂS, Se) using density functional theory. Physica Scripta, 2021, 96, 125724.	2.5	0