

Asif Mahmood

List of Publications by Year in descending order

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21
papers

381
citations

759233

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752698

20
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all docs

21
docs citations

21
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Ab-initio study of optoelectronic and thermoelectric properties of direct bandgap double perovskites $\text{Rb}_2\text{XGaBr}_6$ ($\text{X} = \text{Na}, \text{K}$). International Journal of Energy Research, 2021, 45, 9241-9251.	4.5	18
2	CNTs mediated electrochemical performance and dielectric dispersion of TiO_2 -based hydrothermally synthesized nanocomposites. Ionics, 2021, 27, 2107-2118.	2.4	3
3	Pressure induced mechanical, opto-electronics, and transport properties of ZnHfO_3 oxide for solar cell and energy harvesting devices. Materials Research Express, 2021, 8, 065504.	1.6	1
4	Analysis of ternary AlGaX_2 ($\text{X} = \text{As}, \text{Sb}$) compounds for opto-electronic and renewable energy devices using density functional theory. Physica Scripta, 2021, 96, 125706.	2.5	19
5	Theoretical analysis of ferromagnetism and electronic transport aspects of CaM_2S_4 ($\text{M} = \text{Ti}, \text{Cr}$) spinels for the application of spintronic and energy storage system. Modern Physics Letters B, 2021, 35, 2150162.	1.9	1
6	Analyzing opto-electronic and transport characteristics of ZnSc_2Se_4 and CdSc_2Se_4 spinels for opto-electronic and energy storage devices. Modern Physics Letters B, 2021, 35, 2150184.	1.9	1
7	Predicting ferromagnetism and thermoelectric characteristics in bulk spinels ZnCr_2X_4 ($\text{X} = \text{S}, \text{Se}$) using density functional theory. Physica Scripta, 2021, 96, 125724.	2.5	0
8	Morphologically controlled dielectric dispersion and energy density optimization in Co/Ni spinel ferrites. Ceramics International, 2020, 46, 9765-9772.	4.8	7
9	Physical characteristics of CdZrO_3 perovskite at different pressure for optoelectronic application. Journal of Materials Research and Technology, 2020, 9, 9965-9971.	5.8	29
10	Ab-initio computations of CaV_2S_4 and CaMn_2S_4 spinels for spintronics and energy storage system applications. Journal of Materials Research and Technology, 2020, 9, 14783-14791.	5.8	12
11	Study of half metallic nature and transport properties of XMnSe_2 ($\text{X} = \text{Ca}, \text{Sr}$ and Ba) compounds via ab-initio calculations. Journal of Materials Research and Technology, 2020, 9, 10511-10519.	5.8	20
12	Density functional theory study of electronic, optical and transport properties of magnesium based MgY_2Z_4 ($\text{Z} = \text{S}$ and Se) spinels. Current Applied Physics, 2020, 20, 1097-1102.	2.4	26
13	$\text{Cs}_2\text{NaGaBr}_6$: a new lead-free and direct band gap halide double perovskite. RSC Advances, 2020, 10, 17444-17451.	3.6	49
14	First-principle investigation of ferromagnetism and thermoelectric characteristics of MgCr_2X_4 ($\text{X} = \text{S}, \text{Se}$) spinels. Journal of Materials Research and Technology, 2020, 9, 16159-16166.	2.9	24
15	Exploration of magnesium based MgX_2O_4 ($\text{X} = \text{Rh}, \text{Bi}$) spinels for thermoelectric applications using density functional theory (DFT). Journal of Materials Research and Technology, 2020, 9, 6135-6142.	5.8	38
16	Study of pressure induced physical properties of ZnZrO_3 perovskite using density functional theory. Chemical Physics Letters, 2020, 753, 137601.	2.6	18
17	First-principle computations of ferromagnetic HgCr_2Z_4 ($\text{Z} = \text{S}, \text{Se}$) spinels for spintronic and energy storage system applications. Journal of Materials Research and Technology, 2020, 9, 16159-16166.	5.8	9
18	The first-principle study of mechanical, optical and thermoelectric properties of SnZrO_3 and SnHfO_3 for renewable energy applications. Solid State Communications, 2019, 292, 17-23.	1.9	51

#	ARTICLE	IF	CITATIONS
19	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
20	Theoretical Investigation of Cubic BaVO ₃ and LaVO ₃ Perovskites via Tran-Blaha-Modified Becke-Johnson Exchange Potential Approach. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3129-3136.	1.8	20
21	Theoretical investigation of optical properties and band gap engineering for Zn _{1-x} TM _x Te (TM = Fe, Co) alloys by modified Becke-Johnson potential. Chinese Physics B, 2017, 26, 087803.	1.4	9