

Sajid Ur Rehman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1395516/publications.pdf>

Version: 2024-02-01

14
papers

264
citations

1163117

8
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

250
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure induced structural and optical properties of cubic phase SnSe: An investigation for the infrared/mid-infrared optoelectronic devices. Journal of Alloys and Compounds, 2017, 695, 194-201.	5.5	45
2	Optoelectronic properties of new direct bandgap polymorphs of single-layered Germanium sulfide. Ceramics International, 2019, 45, 18073-18078.	4.8	41
3	Investigation of thermoelectric properties of novel cubic phase SnSe: A promising material for thermoelectric applications. Journal of Alloys and Compounds, 2017, 715, 438-444.	5.5	38
4	Exploring novel phase of tin sulfide for photon/energy harvesting materials. Solar Energy, 2018, 169, 648-657.	6.1	38
5	An insight into a novel cubic phase SnSe for prospective applications in optoelectronics and clean energy devices. Journal of Alloys and Compounds, 2018, 733, 22-32.	5.5	33
6	Cubic Germanium monochalcogenides (I ⁻ -GeS and I ⁻ -GeSe): Emerging materials for optoelectronic and energy harvesting devices. Solar Energy, 2019, 185, 211-221.	6.1	19
7	Elucidating the First-Principles Calculations of SnO ₂ Within DFT Framework and Beyond: A Library for Optimization of Various Pseudopotentials. Silicon, 2018, 10, 2317-2328.	3.3	15
8	Theoretical Studies on InGaAs/InAlAs SAGCM Avalanche Photodiodes. Nanoscale Research Letters, 2018, 13, 158.	5.7	11
9	First-principles study of electronic and optical properties of sulfur doped tin monoxide: A potential applicant for optoelectronic devices. Ceramics International, 2019, 45, 7495-7503.	4.8	7
10	Elucidating the role of lattice thermal conductivity in I ⁻ phases of IV ⁻ VI monochalcogenides for highly efficient thermoelectric performance. International Journal of Energy Research, 2021, 45, 6369-6382.	4.5	6
11	Pristine and Janus monolayers of vanadium dichalcogenides: potential materials for overall water splitting and solar energy conversion. Journal of Materials Science, 2021, 56, 12270-12284.	3.7	6
12	Vanadium based zinc spinel oxides: Potential materials as photoanode for water oxidation and optoelectronic devices. International Journal of Hydrogen Energy, 2021, 46, 28110-28120.	7.1	1
13	Physical properties of novel Tin-chalcogenides heterostructures: A first-principles study. Materials Science in Semiconductor Processing, 2022, 149, 106820.	4.0	1
14	Zinc Based Spinel Oxides for Energy Conversion and Storage Applications. , 2019, , 31-48.		0