Sajid Ur Rehman

List of Publications by Year
in descending order

14	264	1163117 8	1125743 13
papers	citations	h-index	g-index

15	15	15	250
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physical properties of novel Tin-chalcogenides heterostructures: A first-principles study. Materials Science in Semiconductor Processing, 2022, 149, 106820.	4.0	1
2	Elucidating the role of lattice thermal conductivity in<scp>Ï€â€phases</scp>of<scp>IVâ€VI</scp>monochalcogenides for highly efficient thermoelectric performance. International Journal of Energy Research, 2021, 45, 6369-6382.	4.5	6
3	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
4	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
5	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
6	Zinc Based Spinel Oxides for Energy Conversion and Storage Applications. , 2019, , 31-48.		0
7	Optoelectronic properties of new direct bandgap polymorphs of single-layered Germanium sulfide. Ceramics International, 2019, 45, 18073-18078.	4.8	41
8	Cubic Germanium monochalcogenides (Ï€-GeS and Ï€-GeSe): Emerging materials for optoelectronic and energy harvesting devices. Solar Energy, 2019, 185, 211-221.	6.1	19
9	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
10	Theoretical Studies on InGaAs/InAlAs SAGCM Avalanche Photodiodes. Nanoscale Research Letters, 2018, 13, 158.	5.7	11
11	Exploring novel phase of tin sulfide for photon/energy harvesting materials. Solar Energy, 2018, 169, 648-657.	6.1	38
12	Elucidating the First-Principles Calculations of SnO2 Within DFT Framework and Beyond: A Library for Optimization of Various Pseudopotentials. Silicon, 2018, 10, 2317-2328.	3.3	15
13	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
14	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