Rashid Ahmed

List of Publications by Year
in descending order

19	627	840776 11	794594 19
papers	citations	h-index	g-index

19	19	19	860
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extracting hydroxyapatite and its precursors from natural resources. Journal of Materials Science, 2014, 49, 1461-1475.	3.7	309
2	DFT characterization of cadmium doped zinc oxide for photovoltaic and solar cell applications. Solar Energy Materials and Solar Cells, 2014, 130, 6-14.	6.2	53
3	Capacitive and resistive response of humidity sensors based on graphene decorated by PMMA and silver nanoparticles. Sensors and Actuators B: Chemical, 2018, 267, 42-50.	7.8	43
4	Hybrid functional calculations of potential hydrogen storage material: Complex dimagnesium iron hydride. International Journal of Hydrogen Energy, 2014, 39, 9709-9717.	7.1	39
5	Investigations of electronic and thermoelectric properties of half-Heusler alloys XMgN (X = Li, Na, K) by first-principles calculations. Materials and Design, 2017, 136, 196-203.	7.0	34
6	A review on perovskite materials with solar cell prospective. International Journal of Energy Research, 2021, 45, 19729-19745.	4.5	28
7	First-principles calculations of structural, electronic, and optical properties for Ni-doped Sb2S3. Computational Condensed Matter, 2020, 24, e00477.	2.1	19
8	Density-functional theory study of high hydrogen content complex hydrides Mg(BH 4) 2 at low temperature. Renewable Energy, 2016, 90, 114-119.	8.9	16
9	Dominant ferromagnetic coupling over antiferromagnetic in Ni doped ZnO: First-principles calculations. Frontiers of Physics, 2016, 11, 1.	5.0	15
10	First principles investigations of vinazene molecule and molecular crystal: a prospective candidate for organic photovoltaic applications. Journal of Molecular Modeling, 2015, 21, 27.	1.8	12
11	Structure-dependent optoelectronic properties of perylene, di-indenoperylene (DIP) isolated molecule and DIP molecular crystal. Chemistry Central Journal, 2017, 11, 125.	2.6	12
12	First-principles calculations of the stibnite at the level of modified Beckeâ€“Johnson exchange potential. Chinese Journal of Physics, 2018, 56, 1331-1344.	3.9	10
13	Tailoring ferromagnetism in chromium-doped zinc oxide. Materials Research Express, 2014, 1, 016108.	1.6	7
14	Ab initio calculations of optoelectronic properties of antimony sulfide nano-thin film for solar cell applications. Results in Physics, 2019, 15, 102762.	4.1	7
15	Structural, electronic, and optical properties of the pressureâ€driven novel polymorphs of <scp>gallium nitride</scp> : firstâ€principles investigations. International Journal of Energy Research, 2022, 46, 2361-2372.	4.5	7
16	Designing a molecular device for organic solar cell applications based on Vinazene: I-V characterization and efficiency predictions. Solar Energy, 2016, 140, 124-129.	6.1	6
17	Ab initio calculations of antimony sulphide nanowire. Physica B: Condensed Matter, 2019, 557, 17-22.	2.7	6
18	First-principles study of electronic and optical properties of antimony sulphide thin film. Optik, 2020, 202, 163631.	2.9	3

#	Article	IF	Citations
19	An Insight into the Electronic and Optical Properties of Various Polymorphs of ZnO. Current Nanomaterials, 2018, 3, 26-31.	0.4	1