

Hamid Ullah

List of Publications by Year in descending order

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papers

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34
times ranked

236
citing authors

#	ARTICLE	IF	CITATIONS
1	Optoelectronics properties of Janus SnSSe monolayer for solar cells applications. <i>Physica B: Condensed Matter</i> , 2022, 625, 413487.	1.3	24
2	Comprehensive study of ferromagnetic MgNd ₂ X ₄ (X = S, Se) spinels for spintronic and solar cells device applications. <i>Ceramics International</i> , 2022, 48, 2385-2393.	2.3	14
3	First principle study of band gap tuning in Cs ₂ InSbX ₆ (X=Cl, Br, I) for optoelectronic and thermoelectric applications. <i>Physica Scripta</i> , 2022, 97, 045801.	1.2	9
4	Exploring structural, electronic, optical, magnetic, and thermoelectric properties of Pt doped and Pt-Cu/Au co-doped GaN. <i>Physica Scripta</i> , 2022, 97, 045809.	1.2	0
5	Highly stable binary composite of nickel silver sulfide (NiAg ₂ S) synthesized using the hydrothermal approach for high performance supercapattery applications. <i>International Journal of Energy Research</i> , 2022, 46, 11346-11358.	2.2	37
6	Exploring structural, electronic, optical, and magnetic properties of Os doped and Os-Mn/Ru co-doped GaN. <i>Optik</i> , 2022, 258, 168930.	1.4	1
7	Exploring the structural stability, electronic and thermal attributes of synthetic 2D materials and their heterostructures. <i>Applied Surface Science</i> , 2022, 590, 153131.	3.1	15
8	Enhancing the electronic properties of the graphene-based field-effect transistor via chemical doping of KBr. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 12416-12425.	1.1	3
9	Enhanced out-of-plane electromechanical response of Janus ZrSeO. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16289-16295.	1.3	9
10	Effect of Zn doping on electronic structure and optical properties zincblende GaN (A DFT+U insight). <i>Communications in Theoretical Physics</i> , 2021, 73, 035701.	1.1	11
11	Investigations on electronic structure, magnetic and optical properties of C and Ti co-doped zincblende GaN for optoelectronic applications. <i>Optik</i> , 2021, 231, 166425.	1.4	7
12	Effects of gallium and arsenic substitution on the electronic and magnetic properties of monolayer SnS. <i>Physica Scripta</i> , 2021, 96, 095803.	1.2	2
13	First principle investigations of the structural, electronic, magnetic, and optical properties of GaN co-doped with carbon and gold (Au@GaN). <i>Computational Condensed Matter</i> , 2021, 28, e00565.	0.9	3
14	Analysis of ternary AlGaX ₂ (X=As, Sb) compounds for opto-electronic and renewable energy devices using density functional theory. <i>Physica Scripta</i> , 2021, 96, 125706.	1.2	19
15	Computational insights into optoelectronic and magnetic properties of V(III)-doped GaN. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122606.	1.4	4
16	Electronic and optical response of HfO ₂ : DFT calculations with Ti and Zr incorporation. <i>Modern Physics Letters B</i> , 2021, 35, .	1.0	2
17	Theoretical investigation of Cs ₂ InBiX ₆ (X=Cl, Br, I) double perovskite halides using first-principle calculations. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 274, 115456.	1.7	40
18	Spin-polarized electromagnetic and optical response of full-Heusler Co ₂ VZ (Z=Al, Be) alloys for spintronic application. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	11

#	ARTICLE	IF	CITATIONS
19	Meissner to ferromagnetic phase transition in La-decorated functionalized Nb ₂ C MXene: an experimental and computational analysis. <i>Nanotechnology</i> , 2021, 32, 085711.	1.3	5
20	Investigating effect of different Hubbard values on the electronic structure, magnetic and optical properties of Ru doped GaN. <i>Computational Condensed Matter</i> , 2021, 29, e00608.	0.9	1
21	Vacancy and doping dependent electronic and magnetic properties of monolayer SnS ₂ . <i>Journal of the American Ceramic Society</i> , 2020, 103, 391-402.	1.9	16
22	Effect of Vanadium doping on optoelectronic and magnetic properties of wurtzite ZnS crystal. <i>Optik</i> , 2020, 204, 164162.	1.4	14
23	Investigating structural, electronic and optical properties of CdS:Cr (A GGA and GGA+U study). <i>Solid State Sciences</i> , 2020, 108, 106437.	1.5	3
24	Highly ordered lead-free double perovskite halides by design. <i>Journal of Materiomics</i> , 2020, 6, 651-660.	2.8	27
25	TiO ₂ Nanorod Array Conformally Coated with a Monolayer MoS ₂ Film: An Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2020, 3, 10854-10862.	2.5	11
26	Ab initio study of optoelectronic and magnetic properties of Mn-doped ZnS with and without vacancy defects. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 485706.	0.7	6
27	Optoelectronic and magnetic properties of Mn-doped and Mn-C co-doped Wurtzite ZnS: a first-principles study. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 395702.	0.7	11
28	Switchable Polarization in Mn Embedded Graphene. <i>Scientific Reports</i> , 2018, 8, 4538.	1.6	4
29	Influences of vacancy and doping on electronic and magnetic properties of monolayer SnS. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	31
30	Enhanced Physical and Thermal Performance of Expanded Graphite-Based Heat Sink for LED Radiator. <i>Asian Journal of Chemistry</i> , 2015, 27, 4076-4080.	0.1	0
31	First-principles calculation on dilute magnetic alloys in zinc blend crystal structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 385, 27-31.	1.0	9
32	Optoelectronic Properties, Elastic Moduli and Thermoelectricity of SrAlGa: An Ab Initio Study. <i>Chinese Physics Letters</i> , 2014, 31, 047102.	1.3	10
33	The structural, electronic and optical response of II-VI compounds through the modified Becke-Johnson potential. <i>Physica B: Condensed Matter</i> , 2013, 410, 93-98.	1.3	30