# Hamid Ullah

List of Publications by Year
in descending order



| 33 | 389 | 840585 11 | 794469 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 34 | 34 | 34 | 236 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Theoretical investigation of Cs2InBiX6 (XÂ=ÂCl, Br, I) double perovskite halides using first-principle calculations. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115456. | 1.7 | 40 |
| 2 | Highly stable binary composite of nickel silver sulfide ( <scp> NiAg <sub>2</sub> S </scp> ) synthesized using the hydrothermal approach for highâ€performance supercapattery applications. International Journal of Energy Research, 2022, 46, 11346-11358. | 2.2 | 37 |
| 3 | Influences of vacancy and doping on electronic and magnetic properties of monolayer SnS. Journal of Applied Physics, 2018, 124, . | 1.1 | 31 |
| 4 | The structural, electronic and optical response of IIAâ€“VIA compounds through the modified Beckeâ€“Johnson potential. Physica B: Condensed Matter, 2013, 410, 93-98. | 1.3 | 30 |
| 5 | Highly ordered lead-free double perovskite halides by design. Journal of Materiomics, 2020, 6, 651-660. | 2.8 | 27 |
| 6 | Optoelectronics properties of Janus SnSSe monolayer for solar cells applications. Physica B: Condensed Matter, 2022, 625, 413487. | 1.3 | 24 |
| 7 | Analysis of ternary AlGaX<sub>2</sub>(XÂ=ÂAs, Sb) compounds for opto-electronic and renewable energy devices using density functional theory. Physica Scripta, 2021, 96, 125706. | 1.2 | 19 |
| 8 | Vacancyâ€•and dopingâ€dependent electronic and magnetic properties of monolayer SnS<sub>2</sub>. Journal of the American Ceramic Society, 2020, 103, 391-402. | 1.9 | 16 |
| 9 | Exploring the structural stability, electronic and thermal attributes of synthetic 2D materials and their heterostructures. Applied Surface Science, 2022, 590, 153131. | 3.1 | 15 |
| 10 | Effect of Vanadium doping on optoelectronic and magnetic properties of wurtzite ZnS crystal. Optik, 2020, 204, 164162. | 1.4 | 14 |
| 11 | Comprehensive study of ferromagnetic MgNd2X4 (X = S, Se) spinels for spintronic and solar cells device applications. Ceramics International, 2022, 48, 2385-2393. | 2.3 | 14 |
| 12 | Optoelectronic and magnetic properties of Mn-doped and Mnâ€“C co-doped Wurtzite ZnS: a first-principles study. Journal of Physics Condensed Matter, 2019, 31, 395702. | 0.7 | 11 |
| 13 | Effect of Zn doping on electronic structure and optical properties zincblende GaN (A DFTÂ+ÂU insight). Communications in Theoretical Physics, 2021, 73, 035701. | 1.1 | 11 |
| 14 | TiO<sub>2</sub> Nanorod Array Conformally Coated with a Monolayer MoS<sub>2</sub> Film: An Efficient Electrocatalyst for Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 10854-10862. | 2.5 | 11 |
| 15 | Spin-polarized electromagnetic and optical response of full-Heusler Co2VZ (Zâ€‰=â€‰Al, Be) alloys for spintronic application. European Physical Journal Plus, 2021, 136, 1. | 1.2 | 11 |
| 16 | Optoelectronic Properties, Elastic Moduli and Thermoelectricity of SrAlGa: An Ab Initio Study. Chinese Physics Letters, 2014, 31, 047102. | 1.3 | 10 |
| 17 | First-principles calculation on dilute magnetic alloys in zinc blend crystal structure. Journal of Magnetism and Magnetic Materials, 2015, 385, 27-31. | 1.0 | 9 |
| 18 | Enhanced out-of-plane electromechanical response of Janus ZrSeO. Physical Chemistry Chemical Physics, 2021, 23, 16289-16295. | 1.3 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | First principle study of band gap tuning in Cs<sub>2</sub>InSbX<sub>6</sub> (XÂ=ÂCl, Br, I) for optoelectronic and thermoelectric applications. Physica Scripta, 2022, 97, 045801. | 1.2 | 9 |
| 20 | Investigations on electronic structure, magnetic and optical properties of C and Ti co-doped zincblende GaN for optoelectronic applications. Optik, 2021, 231, 166425. | 1.4 | 7 |
| 21 | Ab initio study of optoelectronic and magnetic properties of Mn-doped ZnS with and without vacancy defects. Journal of Physics Condensed Matter, 2019, 31, 485706. | 0.7 | 6 |
| 22 | Meissner to ferromagnetic phase transition in La-decorated functionalized Nb<sub>2</sub>C MXene: an experimental and computational analysis. Nanotechnology, 2021, 32, 085711. | 1.3 | 5 |
| 23 | Switchable Polarization in Mn Embedded Graphene. Scientific Reports, 2018, 8, 4538. | 1.6 | 4 |
| 24 | Computational insights into optoelectronic and magnetic properties of V(III)-doped GaN. Journal of Solid State Chemistry, 2021, 304, 122606. | 1.4 | 4 |
| 25 | Investigating structural, electronic and optical properties of CdS:Cr (A GGA and GGA+U study). Solid State Sciences, 2020, 108, 106437. | 1.5 | 3 |
| 26 | First principle investigations of the structural, electronic, magnetic, and optical properties of GaN co-doped with carbon and gold (Câ€“Au@GaN). Computational Condensed Matter, 2021, 28, e00565. | 0.9 | 3 |
| 27 | Enhancing the electronic properties of the graphene-based field-effect transistor via chemical doping of KBr. Journal of Materials Science: Materials in Electronics, 2022, 33, 12416-12425. | 1.1 | 3 |
| 28 | Effects of gallium and arsenic substitution on the electronic and magnetic properties of monolayer SnS. Physica Scripta, 2021, 96, 095803. | 1.2 | 2 |
| 29 | Electronic and optical response of HfO<sub>2</sub>: DFT calculations with Ti and Zr incorporation. Modern Physics Letters B, 2021, 35, . | 1.0 | 2 |
| 30 | Investigating effect of different Hubbard values on the electronic structure, magnetic and optical properties of Ru doped GaN. Computational Condensed Matter, 2021, 29, e00608. | 0.9 | 1 |
| 31 | Exploring structural, electronic, optical, and magnetic properties of Os doped and Os-Mn/Ru co-doped GaN. Optik, 2022, 258, 168930. | 1.4 | 1 |
| 32 | Enhanced Physical and Thermal Performance of Expanded Graphite-Based Heat Sink for LED Radiator. Asian Journal of Chemistry, 2015, 27, 4076-4080. | 0.1 | 0 |
| 33 | Exploring structural, electronic, optical, magnetic, and thermoelectric properties of Pt doped and Pt-Cu/Au co-doped GaN. Physica Scripta, 2022, 97, 045809. | 1.2 | 0 |