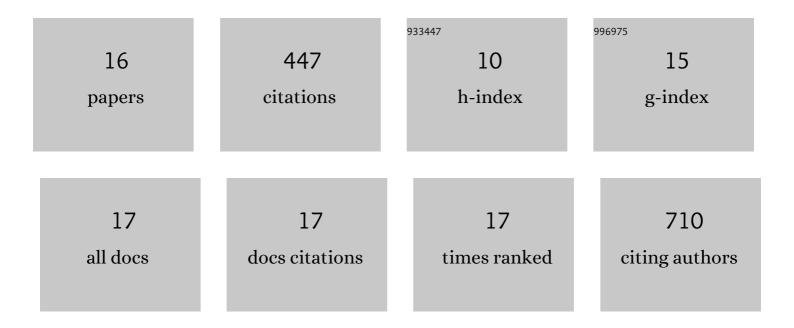
Amreen Ara Hussain

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Self-Powered Broadband Photodetector using Plasmonic Titanium Nitride. ACS Applied Materials & Interfaces, 2016, 8, 4258-4265. | 8.0 | 109 |
| 2 | Air-stable lead-free hybrid perovskite employing self-powered photodetection with an electron/hole-conductor-free device geometry. Nanoscale, 2019, 11, 1217-1227. | 5.6 | 63 |
| 3 | Plasmonic Hot Hole Generation by Interband Transition in Gold-Polyaniline. Scientific Reports, 2016, 5, 18276. | 3.3 | 56 |
| 4 | Constructing Caesium-Based Lead-Free Perovskite Photodetector Enabling Self-Powered Operation with Extended Spectral Response. ACS Applied Materials & amp; Interfaces, 2020, 12, 46317-46329. | 8.0 | 36 |
| 5 | Tea-Carbon Dots-Reduced Graphene Oxide: An Efficient Conducting Coating Material for Fabrication of an E-Textile. ACS Sustainable Chemistry and Engineering, 2017, 5, 11645-11651. | 6.7 | 35 |
| 6 | High photosensitivity with enhanced photoelectrical contribution in hybrid nanocomposite flexible UV photodetector. Organic Electronics, 2014, 15, 2107-2115. | 2.6 | 34 |
| 7 | An efficient fast response and high-gain solar-blind flexible ultraviolet photodetector employing hybrid geometry. Applied Physics Letters, 2014, 104, 193301. | 3.3 | 33 |
| 8 | Enhanced light harvesting through Förster resonance energy transfer in polymer–small molecule ternary system. Journal of Materials Chemistry C, 2017, 5, 1136-1148. | 5.5 | 26 |
| 9 | Role of Plasma Parameters on the Conjugated Structure Retention in Polyaniline Thin Film. Plasma Chemistry and Plasma Processing, 2012, 32, 817-832. | 2.4 | 14 |
| 10 | Crystalline rubrene <i>via</i> a novel process and realization of a pyro-phototronic device with a rubrene-based film. Journal of Materials Chemistry C, 2020, 8, 6450-6460. | 5.5 | 11 |
| 11 | Comparative study of nanocomposites prepared by pulsed and dc sputtering combined with plasma polymerization suitable for photovoltaic device applications. Materials Chemistry and Physics, 2014, 148, 540-547. | 4.0 | 8 |
| 12 | Enhanced light sensing performance of a hybrid device developed using as-grown vertically aligned multiwalled carbon nanotubes on TCO substrates. RSC Advances, 2014, 4, 46970-46975. | 3.6 | 7 |
| 13 | Plasma Based Synthesis of Nanomaterials for Development of Plasmon Enhanced Infrared Responsive Optoelectronic Device. Plasma Chemistry and Plasma Processing, 2019, 39, 277-292. | 2.4 | 7 |
| 14 | Fabrication of a heterostructure device with Au/PPani–TiO ₂ /ITO configuration and study of device parameters including current conduction mechanism. Journal Physics D: Applied Physics, 2013, 46, 325301. | 2.8 | 5 |
| 15 | Silk fibroin protein as dual mode picric acid sensor and UV photoactive material. Journal of Materials Science, 0, , 1. | 3.7 | 2 |
| 16 | Comparative study of mixed metal cation lead-free perovskites for visible light photodetection. AIP Conference Proceedings, 2021, , . | 0.4 | 1 |