

Amreen Ara Hussain

List of Publications by Year in descending order

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16
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933447

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docs citations

17
times ranked

710
citing authors

#	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 & 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