

Mohammad Shaad Ansari

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

406
citations

840585

11
h-index

839398

18
g-index

18
all docs

18
docs citations

18
times ranked

837
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphitic carbon nitride as a photovoltaic booster in quantum dot sensitized solar cells: a synergistic approach for enhanced charge separation and injection. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5528-5541.	5.2	79
2	Ethyl Cellulose and Cetrimonium Bromide Assisted Synthesis of Mesoporous, Hexagon Shaped ZnO Nanodisks with Exposed {0001} Polar Facets for Enhanced Photovoltaic Performance in Quantum Dot Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13266-13279.	4.0	52
3	Morphological tuning of photo-booster g-C ₃ N ₄ with higher surface area and better charge transfers for enhanced power conversion efficiency of quantum dot sensitized solar cells. <i>Carbon</i> , 2017, 121, 90-105.	5.4	38
4	Enhanced photovoltaic performance of meso-porous SnO ₂ based solar cells utilizing 2D MgO nanosheets sensitized by a metal-free carbazole derivative. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4291-4300.	5.2	34
5	Efficient Energy Harvesting in SnO ₂ -Based Dye-Sensitized Solar Cells Utilizing Nano-Amassed Mesoporous Zinc Oxide Hollow Microspheres as Synergy Boosters. <i>ACS Omega</i> , 2018, 3, 14482-14493.	1.6	28
6	Thermodynamic Barrier and Light Scattering Effects of Nanocube Assembled SrTiO ₃ in Enhancing the Photovoltaic Properties of Zinc Oxide Based Dye Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16550-16560.	1.5	28
7	Effect of surface overlayer in enhancing the photoelectrochemical water oxidation of <i>in situ</i> grown one-dimensional spinel zinc ferrite nanorods directly onto the substrate. <i>Chemical Communications</i> , 2018, 54, 10483-10486.	2.2	23
8	Enhanced electrocatalytic and supercapacitive performance using the synergistic effect of defect-rich N/S co-doped hierarchical porous carbon. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5697-5708.	2.5	23
9	Rational design of hierarchical ZnO superstructures for efficient charge transfer: mechanistic and photovoltaic studies of hollow, mesoporous, cage-like nanostructures with compacted 1D building blocks. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5344-5357.	1.3	22
10	Understanding the role of silica nanospheres with their light scattering and energy barrier properties in enhancing the photovoltaic performance of ZnO based solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27818-27828.	1.3	21
11	Multifunctional hierarchical 3-D ZnO superstructures directly grown over FTO glass substrates: enhanced photovoltaic and selective sensing applications. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15868-15887.	5.2	21
12	Enhanced photovoltaic performance using biomass derived nano 3D ZnO hierarchical superstructures and a D ^π A type CS-Symmetric triphenylamine linked bisthiazole. <i>Electrochimica Acta</i> , 2018, 259, 262-275.	2.6	10
13	Augmentation in photocurrent through organic ionic plastic crystals as an efficient redox mediator for solid-state mesoscopic photovoltaic devices. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1466-1476.	2.5	7
14	Enhanced electrocatalytic oxygen evolution reaction kinetics using dual-phase engineering of self-supported hierarchical NiCoV(OH) _x nanowire arrays. <i>Fuel</i> , 2021, 304, 121309.	3.4	6
15	<i>C_s</i> -Symmetric Triphenylamine-Linked Bisthiazole-Based Metal-Free Donor-Acceptor Organic Dye for Efficient ZnO Nanoparticles-Based Dye-Sensitized Solar Cells: Synthesis, Theoretical Studies, and Photovoltaic Properties. <i>ACS Omega</i> , 2017, 2, 5981-5991.	1.6	5
16	Superior light harnessing and charge injection kinetics utilizing mirror-like nano cuboidal ceria coupled with reduced graphene oxide in zinc oxide nanoparticle based photovoltaics. <i>Solar Energy</i> , 2019, 185, 89-99.	2.9	4
17	Combined effect of in-situ grown p-type CuSbS ₂ / n-type CdS coupled with hierarchical ZnO nano disks for improved photovoltaic light harvesting efficiency. <i>Journal of Power Sources</i> , 2019, 425, 204-216.	4.0	3
18	Ultrasensitive NO _x Detection in Simulated Exhaled Air: Enhanced Sensing via Alumina Modification of In-situ Grown WO ₃ Nanoblocks. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4673-4680.	1.7	2