

# Tanmoy Majumder

## List of Publications by Citations

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19  
papers

473  
citations

10  
h-index

21  
g-index

22  
ext. papers

579  
ext. citations

4.1  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
19	Graphene Quantum Dot-Sensitized ZnO Nanorod/Polymer Schottky Junction UV Detector with Superior External Quantum Efficiency, Detectivity, and Responsivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 31822-31831	9.5	100
18	Non-enzymatic and non-invasive glucose detection using Au nanoparticle decorated CuO nanorods. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 283, 776-785	8.5	56
17	Advantages of nitrogen-doped graphene quantum dots as a green sensitizer with ZnO nanorod based photoanodes for solar energy conversion. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 769, 48-52	4.1	54
16	DMSO modified PEDOT:PSS polymer/ZnO nanorods Schottky junction ultraviolet photodetector: Photoresponse, external quantum efficiency, detectivity, and responsivity augmentation using N doped graphene quantum dots. <i>Organic Electronics</i> , <b>2018</b> , 53, 101-110	3.5	44
15	Role of S, N co-doped graphene quantum dots as a green photosensitizer with Ag-doped ZnO nanorods for improved electrochemical solar energy conversion. <i>Materials Research Bulletin</i> , <b>2017</b> , 93, 214-222	5.1	40
14	Sulfur and Nitrogen co-doped graphene quantum dot decorated ZnO nanorod/polymer hybrid flexible device for photosensing applications. <i>Thin Solid Films</i> , <b>2016</b> , 612, 274-283	2.2	33
13	Acid-Treated PEDOT:PSS Polymer and TiO Nanorod Schottky Junction Ultraviolet Photodetectors with Ultrahigh External Quantum Efficiency, Detectivity, and Responsivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 41618-41626	9.5	31
12	Advantages of ZnO nanotaper photoanodes in photoelectrochemical cells and graphene quantum dot sensitized solar cell applications. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 813, 92-101	4.1	30
11	Phenomenal improvement of external quantum efficiency, detectivity and responsivity of nitrogen doped graphene quantum dot decorated zinc oxide nanorod/polymer schottky junction UV detector. <i>Materials Research Bulletin</i> , <b>2017</b> , 95, 198-203	5.1	27
10	Graphene quantum dots as a green photosensitizer with carbon-doped ZnO nanorods for quantum-dot-sensitized solar cell applications. <i>Bulletin of Materials Science</i> , <b>2019</b> , 42, 1	1.7	17
9	CdS-Decorated Al-Doped ZnO Nanorod/Polymer Schottky Junction Ultraviolet-Visible Dual-Wavelength Photodetector. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3339-3345	5.6	9
8	Non-enzymatic glucose sensing using hydrothermally grown ZnO nanorods: sensitivity augmentation by carbon doping and carbon functionalization. <i>Materials Research Express</i> , <b>2018</b> , 5, 095011	1.7	8
7	S, N Co-Doped Graphene Quantum Dots Decorated C-Doped ZnO Nanotaper Photoanodes for Solar Cells Applications. <i>Nano</i> , <b>2019</b> , 14, 1950012	1.1	8
6	Photoelectrochemical and photosensing study of nitrogen doped carbon nanoparticles sensitized TiO <sub>2</sub> nanorods. <i>Diamond and Related Materials</i> , <b>2021</b> , 108683	3.5	5
5	Growth of Carbon-Functionalized, Carbon-Doped ZnO/C Core-Shell Nanorods for Photoelectrochemical Solar Energy Conversion. <i>ChemistrySelect</i> , <b>2018</b> , 3, 4082-4094	1.8	5
4	Highly luminescent nitrogen doped graphene quantum dots sensitized TiO <sub>2</sub> nanorod arrays for enhanced photoelectrochemical performance. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 909, 116150	4.1	2
3	S, N co-doped graphene quantum dots decorated ZnO nanorods for green quantum dot sensitized solar cells <b>2019</b> ,		1

2	Enhancement of UV photodetector properties of ZnO nanorods/PEDOT:PSS Schottky junction by NGQD sensitization along with conductivity improvement of PEDOT:PSS by DMSO additive <b>2018</b> ,	1
1	Nonenzymetic glucose sensing using carbon functionalized carbon doped ZnO nanorod arrays <b>2018</b>	1