# Tanmoy Majumder

## List of Publications by Year in Descending Order



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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 | Highly luminescent nitrogen doped graphene quantum dots sensitized TiO2 nanorod arrays for enhanced photoelectrochemical performance. *Journal of Electroanalytical Chemistry*, **2022**, 909, 116150 | 4.1 | 2 |
| 18 | Photoelectrochemical and photosensing study of nitrogen doped carbon nanoparticles sensitized TiO2 nanorods. *Diamond and Related Materials*, **2021**, 108683 | 3.5 | 5 |
| 17 | Graphene quantum dots as a green photosensitizer with carbon-doped ZnO nanorods for quantum-dot-sensitized solar cell applications. *Bulletin of Materials Science*, **2019**, 42, 1 | 1.7 | 17 |
| 16 | S, N co-doped graphene quantum dots decorated ZnO nanorods for □reen□quantum dot sensitized solar cells **2019**, | | 1 |
| 15 | Non-enzymatic and non-invasive glucose detection using Au nanoparticle decorated CuO nanorods. *Sensors and Actuators B: Chemical*, **2019**, 283, 776-785 | 8.5 | 56 |
| 14 | S, N Co-Doped Graphene Quantum Dots Decorated C-Doped ZnO Nanotaper Photoanodes for Solar Cells Applications. *Nano*, **2019**, 14, 1950012 | 1.1 | 8 |
| 13 | Advantages of ZnO nanotaper photoanodes in photoelectrochemical cells and graphene quantum dot sensitized solar cell applications. *Journal of Electroanalytical Chemistry*, **2018**, 813, 92-101 | 4.1 | 30 |
| 12 | Non-enzymatic glucose sensing using hydrothermally grown ZnO nanorods: sensitivity augmentation by carbon doping and carbon functionalization. *Materials Research Express*, **2018**, 5, 095011 | 1.7 | 8 |
| 11 | CdS-Decorated Al-Doped ZnO Nanorod/Polymer Schottky Junction Ultraviolet□Visible Dual-Wavelength Photodetector. *ACS Applied Nano Materials*, **2018**, 1, 3339-3345 | 5.6 | 9 |
| 10 | 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. *Organic Electronics*, **2018**, 53, 101-110 | 3.5 | 44 |
| 9 | Growth of Carbon-Functionalized, Carbon-Doped ZnO/C Core-Shell Nanorods for Photoelectrochemical Solar Energy Conversion. *ChemistrySelect*, **2018**, 3, 4082-4094 | 1.8 | 5 |
| 8 | Acid-Treated PEDOT:PSS Polymer and TiO Nanorod Schottky Junction Ultraviolet Photodetectors with Ultrahigh External Quantum Efficiency, Detectivity, and Responsivity. *ACS Applied Materials & Interfaces*, **2018**, 10, 41618-41626 | 9.5 | 31 |
| 7 | 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 **2018**, | | 1 |
| 6 | Nonenzymetic glucose sensing using carbon functionalized carbon doped ZnO nanorod arrays **2018** , | | 1 |
| 5 | Role of S, N co-doped graphene quantum dots as a green photosensitizer with Ag-doped ZnO nanorods for improved electrochemical solar energy conversion. *Materials Research Bulletin*, **2017**, 93, 214-222 | 5.1 | 40 |
| 4 | Phenomenal improvement of external quantum efficiency, detectivity and responsivity of nitrogen doped graphene quantum dot decorated zinc oxide nanorod/polymer schottky junction UV detector. *Materials Research Bulletin*, **2017**, 95, 198-203 | 5.1 | 27 |
| 3 | Graphene Quantum Dot-Sensitized ZnO Nanorod/Polymer Schottky Junction UV Detector with Superior External Quantum Efficiency, Detectivity, and Responsivity. *ACS Applied Materials & Interfaces*, **2016**, 8, 31822-31831 | 9.5 | 100 |

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|---|---|---|---|
| 2 | Sulfur and Nitrogen co-doped graphene quantum dot decorated ZnO nanorod/polymer hybrid flexible device for photosensing applications. *Thin Solid Films*, **2016**, 612, 274-283 | 2.2 | 33 |
| 1 | Advantages of nitrogen-doped graphene quantum dots as a green sensitizer with ZnO nanorod based photoanodes for solar energy conversion. *Journal of Electroanalytical Chemistry*, **2016**, 769, 48-52 | 4.1 | 54 |