

# Saurab Dhar

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7038153/saurab-dhar-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

474  
citations

10  
h-index

20  
g-index

20  
ext. papers

594  
ext. citations

4.6  
avg, IF

4.33  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 20 | 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       |
| 19 | 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        |
| 18 | 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        |
| 17 | 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        |
| 16 | Glucose and hydrogen peroxide dual-mode electrochemical sensing using hydrothermally grown CuO nanorods. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 833, 213-220  | 4.1 | 36        |
| 15 | Non-enzymatic salivary glucose detection using porous CuO nanostructures. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 302, 127134   | 8.5 | 34        |
| 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 | 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         |
| 9  | 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         |
| 8  | Self-powered broadband photodetection using PbS decorated ZnO nanorods/reduced graphene oxide junction. <i>Materials Science in Semiconductor Processing</i> , <b>2020</b> , 118, 105165   | 4.3 | 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  | 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         |
| 5  | Broadband photosensing using p-type cupric oxide nanorods/conducting polymer Schottky junction. <i>Chemical Physics</i> , <b>2020</b> , 529, 110578  | 2.3 | 2         |
| 4  | S, N co-doped graphene quantum dots decorated ZnO nanorods for "green" quantum dot sensitized solar cells <b>2019</b> ,  |     | 1         |

- |   |  |     |
|---|--|-----|
| 3 | 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   |
| 2 | Nonenzymetic glucose sensing using carbon functionalized carbon doped ZnO nanorod arrays <b>2018</b> ,   | 1   |
| 1 | Study of self-powered and broadband photosensing properties of CdS/PbS-decorated TiO <sub>2</sub> nanorods/reduced graphene oxide junction. <i>Bulletin of Materials Science</i> , <b>2021</b> , 44, 1 | 1.7 |