

# Saurab Dhar

## List of Publications by Year in Descending Order

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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	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	
19	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
18	Broadband photosensing using p-type cupric oxide nanorods/conducting polymer Schottky junction. <i>Chemical Physics</i> , <b>2020</b> , 529, 110578	2.3	2
17	Non-enzymatic salivary glucose detection using porous CuO nanostructures. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 302, 127134	8.5	34
16	S, N co-doped graphene quantum dots decorated ZnO nanorods for Green quantum dot sensitized solar cells <b>2019</b> ,		1
15	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
14	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
13	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
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	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
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	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
8	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
7	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
6	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
5	Nonenzymetic glucose sensing using carbon functionalized carbon doped ZnO nanorod arrays <b>2018</b> ,		1
4	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

3	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
2	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
1	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