

Saurab Dhar

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

715
citations

686830

13
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.0	133
2	Non-enzymatic and non-invasive glucose detection using Au nanoparticle decorated CuO nanorods. Sensors and Actuators B: Chemical, 2019, 283, 776-785.	4.0	92
3	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.	1.4	65
4	Non-enzymatic salivary glucose detection using porous CuO nanostructures. Sensors and Actuators B: Chemical, 2020, 302, 127134.	4.0	65
5	Glucose and hydrogen peroxide dual-mode electrochemical sensing using hydrothermally grown CuO nanorods. Journal of Electroanalytical Chemistry, 2019, 833, 213-220.	1.9	59
6	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.	2.7	50
7	Advantages of ZnO nanotaper photoanodes in photoelectrochemical cells and graphene quantum dot sensitized solar cell applications. Journal of Electroanalytical Chemistry, 2018, 813, 92-101.	1.9	48
8	Acid-Treated PEDOT:PSS Polymer and TiO ₂ Nanorod Schottky Junction Ultraviolet Photodetectors with Ultrahigh External Quantum Efficiency, Detectivity, and Responsivity. ACS Applied Materials & Interfaces, 2018, 10, 41618-41626.	4.0	45
9	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.	0.8	40
10	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.	2.7	33
11	Self-powered broadband photodetection using PbS decorated ZnO nanorods/reduced graphene oxide junction. Materials Science in Semiconductor Processing, 2020, 118, 105165.	1.9	18
12	CdS-Decorated Al-Doped ZnO Nanorod/Polymer Schottky Junction Ultraviolet-Visible Dual-Wavelength Photodetector. ACS Applied Nano Materials, 2018, 1, 3339-3345.	2.4	17
13	S, N Co-Doped Graphene Quantum Dots Decorated C-Doped ZnO Nanotaper Photoanodes for Solar Cells Applications. Nano, 2019, 14, 1950012.	0.5	17
14	Growth of Carbon-Functionalized, Carbon-Doped ZnO/C Core-Shell Nanorods for Photoelectrochemical Solar Energy Conversion. ChemistrySelect, 2018, 3, 4082-4094.	0.7	11
15	Non-enzymatic glucose sensing using hydrothermally grown ZnO nanorods: sensitivity augmentation by carbon doping and carbon functionalization. Materials Research Express, 2018, 5, 095011.	0.8	10
16	Broadband photosensing using p-type cupric oxide nanorods/conducting polymer Schottky junction. Chemical Physics, 2020, 529, 110578.	0.9	6
17	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. AIP Conference Proceedings, 2018, , .	0.3	2
18	Nonenzymatic glucose sensing using carbon functionalized carbon doped ZnO nanorod arrays. AIP Conference Proceedings, 2018, , .	0.3	2

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19	S, N co-doped graphene quantum dots decorated ZnO nanorods for "Green" quantum dot sensitized solar cells. AIP Conference Proceedings, 2019, , .	0.3	2
20	Study of self-powered and broadband photosensing properties of CdS/PbS-decorated TiO ₂ nanorods/reduced graphene oxide junction. Bulletin of Materials Science, 2021, 44, 1.	0.8	0