Pinak Chakraborty

List of Publications by Year
in descending order

20	492	840776 11	794594 19
papers	citations	h-index	g-index

20	20	20	656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-enzymatic and non-invasive glucose detection using Au nanoparticle decorated CuO nanorods. Sensors and Actuators B: Chemical, 2019, 283, 776-785.	7.8	92
2	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.	2.6	65
3	Non-enzymatic salivary glucose detection using porous CuO nanostructures. Sensors and Actuators B: Chemical, 2020, 302, 127134.	7.8	65
4	Glucose and hydrogen peroxide dual-mode electrochemical sensing using hydrothermally grown CuO nanorods. Journal of Electroanalytical Chemistry, 2019, 833, 213-220.	3.8	59
5	Advantages of ZnO nanotaper photoanodes in photoelectrochemical cells and graphene quantum dot sensitized solar cell applications. Journal of Electroanalytical Chemistry, 2018, 813, 92-101.	3.8	48
6	Acid-Treated PEDOT:PSS Polymer and TiO₂ Nanorod Schottky Junction Ultraviolet Photodetectors with Ultrahigh External Quantum Efficiency, Detectivity, and Responsivity. ACS Applied Materials & Interfaces, 2018, 10, 41618-41626.	8.0	45
7	Salivary glucose sensing using highly sensitive and selective non-enzymatic porous NiO nanostructured electrodes. Surfaces and Interfaces, 2021, 26, 101324.	3.0	20
8	Self-powered broadband photodetection using PbS decorated ZnO nanorods/reduced graphene oxide junction. Materials Science in Semiconductor Processing, 2020, 118, 105165.	4.0	18
9	CdS-Decorated Al-Doped ZnO Nanorod/Polymer Schottky Junction Ultravioletâ€“Visible Dual-Wavelength Photodetector. ACS Applied Nano Materials, 2018, 1, 3339-3345.	5.0	17
10	S, N Co-Doped Graphene Quantum Dots Decorated C-Doped ZnO Nanotaper Photoanodes for Solar Cells Applications. Nano, 2019, 14, 1950012.	1.0	17
11	Growth of Carbonâ€Functionalized, Carbonâ€Doped ZnO/C Coreâ€Shell Nanorods for Photoelectrochemical Solar Energy Conversion. ChemistrySelect, 2018, 3, 4082-4094.	1.5	11
12	Non-enzymatic glucose sensing using hydrothermally grown ZnO nanorods: sensitivity augmentation by carbon doping and carbon functionalization. Materials Research Express, 2018, 5, 095011.	1.6	10
13	Hydrothermally Grown Porous Cobalt Oxide Nanostructures for Enzyme-Less Glucose Detection. Journal of Electronic Materials, 2021, 50, 3699-3705.	2.2	10
14	Broadband photosensing using p-type cupric oxide nanorods/conducting polymer Schottky junction. Chemical Physics, 2020, 529, 110578.	1.9	6
15	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, , .	0.4	2
16	Nonenzymetic glucose sensing using carbon functionalized carbon doped ZnO nanorod arrays. AIP Conference Proceedings, 2018, , .	0.4	2
17	S, N co-doped graphene quantum dots decorated ZnO nanorods for â€œGreenâ€•quantum dot sensitized solar cells. AIP Conference Proceedings, 2019, , .	0.4	2
18	Electrochemical nitric oxide detection using gold deposited cobalt oxide nanostructures. Chemical Physics Letters, 2022, 802, 139795.	2.6	2

#	Article	IF	Citations
19	Self-powered photosensing and biosensing using hydrothermally grown CdS nanorods. Journal of Materials Science: Materials in Electronics, 2022, 33, 17688-17698.	2.2	1
20	Study of self-powered and broadband photosensing properties of CdS/PbS-decorated TiO2 nanorods/reduced graphene oxide junction. Bulletin of Materials Science, 2021, 44, 1.	1.7	0