

Pinak Chakraborty

List of Publications by Year in descending order

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20
papers

492
citations

840776

11
h-index

794594

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all docs

20
docs citations

20
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical nitric oxide detection using gold deposited cobalt oxide nanostructures. <i>Chemical Physics Letters</i> , 2022, 802, 139795.	2.6	2
2	Self-powered photosensing and biosensing using hydrothermally grown CdS nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 17688-17698.	2.2	1
3	Hydrothermally Grown Porous Cobalt Oxide Nanostructures for Enzyme-Less Glucose Detection. <i>Journal of Electronic Materials</i> , 2021, 50, 3699-3705.	2.2	10
4	Salivary glucose sensing using highly sensitive and selective non-enzymatic porous NiO nanostructured electrodes. <i>Surfaces and Interfaces</i> , 2021, 26, 101324.	3.0	20
5	Study of self-powered and broadband photosensing properties of CdS/PbS-decorated TiO ₂ nanorods/reduced graphene oxide junction. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	0
6	Non-enzymatic salivary glucose detection using porous CuO nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127134.	7.8	65
7	Broadband photosensing using p-type cupric oxide nanorods/conducting polymer Schottky junction. <i>Chemical Physics</i> , 2020, 529, 110578.	1.9	6
8	Self-powered broadband photodetection using PbS decorated ZnO nanorods/reduced graphene oxide junction. <i>Materials Science in Semiconductor Processing</i> , 2020, 118, 105165.	4.0	18
9	S, N co-doped graphene quantum dots decorated ZnO nanorods for "Green" quantum dot sensitized solar cells. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
10	Non-enzymatic and non-invasive glucose detection using Au nanoparticle decorated CuO nanorods. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 776-785.	7.8	92
11	S, N Co-Doped Graphene Quantum Dots Decorated C-Doped ZnO Nanotaper Photoanodes for Solar Cells Applications. <i>Nano</i> , 2019, 14, 1950012.	1.0	17
12	Glucose and hydrogen peroxide dual-mode electrochemical sensing using hydrothermally grown CuO nanorods. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 213-220.	3.8	59
13	Advantages of ZnO nanotaper photoanodes in photoelectrochemical cells and graphene quantum dot sensitized solar cell applications. <i>Journal of Electroanalytical Chemistry</i> , 2018, 813, 92-101.	3.8	48
14	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> , 2018, 53, 101-110.	2.6	65
15	Growth of Carbon-Functionalized, Carbon-Doped ZnO/C Core-Shell Nanorods for Photoelectrochemical Solar Energy Conversion. <i>ChemistrySelect</i> , 2018, 3, 4082-4094.	1.5	11
16	Acid-Treated PEDOT:PSS Polymer and TiO ₂ Nanorod Schottky Junction Ultraviolet Photodetectors with Ultrahigh External Quantum Efficiency, Detectivity, and Responsivity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41618-41626.	8.0	45
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. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
18	Nonenzymatic glucose sensing using carbon functionalized carbon doped ZnO nanorod arrays. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2

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19	Non-enzymatic glucose sensing using hydrothermally grown ZnO nanorods: sensitivity augmentation by carbon doping and carbon functionalization. <i>Materials Research Express</i> , 2018, 5, 095011.	1.6	10
20	CdS-Decorated Al-Doped ZnO Nanorod/Polymer Schottky Junction Ultraviolet-Visible Dual-Wavelength Photodetector. <i>ACS Applied Nano Materials</i> , 2018, 1, 3339-3345.	5.0	17