Abinash Das

List of Publications by Year
in descending order

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18	405	840776 11	996975 15
papers	citations	h-index	g-index

18	18	18	377
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of type II heterojunction in ZnOâ€“In2O3 nanodiscs for enhanced visible-light photocatalysis through the synergy of effective charge carrier separation and charge transport. Materials Chemistry and Physics, 2021, 263, 124431.	4.0	61
2	Defect-induced visible-light-driven photocatalytic and photoelectrochemical performance of ZnOâ€“CeO2 nanoheterojunctions. Journal of Alloys and Compounds, 2021, 858, 157730.	5.5	54
3	Effect of aspect ratio on photocatalytic performance of hexagonal ZnO nanorods. Journal of Alloys and Compounds, 2020, 817, 153277.	5.5	47
4	Hierarchical ZnO-TiO2 nanoheterojunction: A strategy driven approach to boost the photocatalytic performance through the synergy of improved surface area and interfacial charge transport. Applied Surface Science, 2020, 534, 147321.	6.1	46
5	Influence of surface morphology on photocatalytic performance of zinc oxide: A review. Nano Structures Nano Objects, 2019, 19, 100353.	3.5	36
6	Cu modified ZnO nanoflakes: An efficient visible light-driven photocatalyst and a promising photoanode for dye sensitized solar cell (DSSC). Solid State Sciences, 2020, 104, 106290.	3.2	36
7	Engineering of ZnO nanostructures for efficient solar photocatalysis. Materials Letters, 2018, 219, 76-80.	2.6	33
8	MWCNT decorated V-doped titania: An efficient visible active photocatalyst. Journal of Alloys and Compounds, 2017, 695, 3511-3516.	5.5	23
9	Mn-doped ZnO:Role of morphological evolution on enhanced photocatalytic performance. Energy Reports, 2020, 6, 737-741.	5.1	20
10	Shape selective flower-like ZnO nanostructures prepared via structure-directing reagent free methods for efficient photocatalytic performance. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 269, 115149.	3.5	13
11	Fabrication of In2O3 functionalized ZnO based nanoheterojunction photoanode for improved DSSC performance through effective interfacial charge carrier separation. Optical Materials, 2021, 122, 111784.	3.6	12
12	Photocatalytic performance analysis of Degussa P25 under various laboratory conditions. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012101.	0.6	9
13	Fabrication and Life Time of Perovskite Solar Cells. , 2018, , 231-287.		7
14	Effect of aspect ratio of c-axis oriented ZnO nanorods on photoelectrochemical performance and photoconversion efficiency. Optical Materials, 2021, 121, 111551.	3.6	6
15	ZnO-In2O3 nanocomposite: An efficient solar photocatalyst. AIP Conference Proceedings, 2019, , .	0.4	1
16	Synthesis and characterization of ZnO nanoflowers as an efficient solar photocatalyst. AIP Conference Proceedings, 2019, , .	0.4	1
17	Cu doped ZnO as an efficient visible active photocatalyst. AIP Conference Proceedings, 2019, , .	0.4	0
18	Magnesium doped zinc oxide as an efficient solar photocatalyst. AIP Conference Proceedings, 2019, , .	0.4	0