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	Defect-induced visible-light-driven photocatalytic and photoelectrochemical performance of ZnOâ€“CeO2 nanoheterojunctions. Journal of Alloys and Compounds, 2021, 858, 157730.	5.5	54
2	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
3	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
4	Effect of aspect ratio of c-axis oriented ZnO nanorods on photoelectrochemical performance and photoconversion efficiency. Optical Materials, 2021, 121, 111551.	3.6	6
5	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
6	Effect of aspect ratio on photocatalytic performance of hexagonal ZnO nanorods. Journal of Alloys and Compounds, 2020, 817, 153277.	5.5	47
7	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
8	Mn-doped ZnO:Role of morphological evolution on enhanced photocatalytic performance. Energy Reports, 2020, 6, 737-741.	5.1	20
9	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
10	ZnO-In2O3 nanocomposite: An efficient solar photocatalyst. AIP Conference Proceedings, 2019, , .	0.4	1
11	Cu doped ZnO as an efficient visible active photocatalyst. AIP Conference Proceedings, 2019, , .	0.4	0
12	Magnesium doped zinc oxide as an efficient solar photocatalyst. AIP Conference Proceedings, 2019, , .	0.4	0
13	Influence of surface morphology on photocatalytic performance of zinc oxide: A review. Nano Structures Nano Objects, 2019, 19, 100353.	3.5	36
14	Synthesis and characterization of ZnO nanoflowers as an efficient solar photocatalyst. AIP Conference Proceedings, 2019, , .	0.4	1
15	Engineering of ZnO nanostructures for efficient solar photocatalysis. Materials Letters, 2018, 219, 76-80.	2.6	33
16	Photocatalytic performance analysis of Degussa P25 under various laboratory conditions. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012101.	0.6	9
17	Fabrication and Life Time of Perovskite Solar Cells. , 2018, , 231-287.		7
18	MWCNT decorated V-doped titania: An efficient visible active photocatalyst. Journal of Alloys and Compounds, 2017, 695, 3511-3516.	5.5	23