

Medha Bhushan

List of Publications by Year in descending order

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14
papers

229
citations

1040056

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docs citations

14
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced band gap and diffusion controlled spherical n-type ZnS nanoparticles for absorption of UV-Vis region of solar spectrum. Journal of Physics and Chemistry of Solids, 2019, 135, 109021.	4.0	62
2	Ethylenediamine-assisted growth of multi-dimensional ZnS nanostructures and study of its charge transfer mechanism on supercapacitor electrode and photocatalytic performance. Nanotechnology, 2020, 31, 235602.	2.6	33
3	Surface activity correlations of mesoporous 3-D hierarchical ZnS nanostructures for enhanced photo and electro catalytic performance. Applied Surface Science, 2020, 528, 146988.	6.1	24
4	Comparative study of the electrochemical properties of mesoporous 1-D and 3-D nano-structured rhombohedral nickel sulfide in alkaline electrolytes. Journal of Physics and Chemistry of Solids, 2020, 144, 109503.	4.0	20
5	Enhanced electrocatalytic activity of the solvothermally synthesized Mesoporous Rhombohedral nickel sulphide. Materials Science in Semiconductor Processing, 2020, 118, 105194.	4.0	18
6	Comparative study of electrocatalytic activity of single phase rhombohedral NiS nanoparticles in alkaline electrolytes. Materials Science in Semiconductor Processing, 2021, 130, 105827.	4.0	17
7	Growth of a bulk-size single crystal of sulphamic acid by an in-house developed seed rotation solution growth technique and its characterization. Journal of Applied Crystallography, 2017, 50, 763-768.	4.5	16
8	Controlled growth of Ni-MoO_3 nanostructures with enhanced optical and electrochemical properties without capping agents. Ceramics International, 2020, 46, 23084-23097.	4.8	15
9	Improved electrocatalytic performance with enlarged surface area and reduced bandgap of caterpillar and cabbage-like nickel sulphide nanostructures. Applied Nanoscience (Switzerland), 2020, 10, 3757-3772.	3.1	11
10	Graphene-doped ZnS nanoparticles synthesized via hydrothermal route for enhanced electrocatalytic performance. International Journal of Applied Ceramic Technology, 2021, 18, 1510-1526.	2.1	5
11	Visible light emission and enhanced electrocatalytic activity of pure ZnS nanoparticles synthesized via thermal decomposition route. Bulletin of Materials Science, 2021, 44, 1.	1.7	3
12	Serrated hexagonal ZnO Nanoparticles: Synthesis and its characterization. Materials Today: Proceedings, 2021, 48, 629-629.	1.8	2
13	Hydrothermally synthesized nickel oxide (NiO) nano petals. Materials Today: Proceedings, 2021, , .	1.8	2
14	Hydrothermally prepared nickel disulphide nanoparticles with enhanced areal capacitance. Journal of Materials Science: Materials in Electronics, 2021, 32, 2409-2421.	2.2	1