

Somnath Ghosh

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

448
citations

1040056

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h-index

1199594

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12
all docs

12
docs citations

12
times ranked

884
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnO/Ag nanohybrid: synthesis, characterization, synergistic antibacterial activity and its mechanism. RSC Advances, 2012, 2, 930-940.	3.6	169
2	Fumaric acid incorporated Ag/agar-agar hybrid hydrogel: A multifunctional avenue to tackle wound healing. Materials Science and Engineering C, 2020, 111, 110743.	7.3	58
3	Ag@AgI, Core@Shell Structure in Agarose Matrix as Hybrid: Synthesis, Characterization, and Antimicrobial Activity. Langmuir, 2012, 28, 8550-8561.	3.5	48
4	Prospects of nano-carbons as emerging catalysts for enzyme-mimetic applications. Materials Advances, 2022, 3, 3101-3122.	5.4	39
5	Zinc Oxide Modified Au Electrode as Sensor for an Efficient Detection of Hydrazine. Electroanalysis, 2012, 24, 1869-1877.	2.9	34
6	Study of Antibacterial Efficacy of Hybrid Chitosan-Silver Nanoparticles for Prevention of Specific Biofilm and Water Purification. International Journal of Carbohydrate Chemistry, 2011, 2011, 1-11.	1.5	27
7	Nano-structured mesoporous silica/silver composite: Synthesis, characterization and targeted application towards water purification. Materials Research Bulletin, 2017, 88, 291-300.	5.2	20
8	1.5 V battery driven reduced graphene oxide-silver nanostructure coated carbon foam (rGO-Ag-CF) for the purification of drinking water. Nanotechnology, 2013, 24, 235101.	2.6	18
9	Optimisation of an asymmetric polymerase chain reaction assay for the amplification of single-stranded DNA from Wuchereria bancrofti for electrochemical detection. Memorias Do Instituto Oswaldo Cruz, 2013, 108, 804-807.	1.6	9
10	Curious Case of Bactericidal Action of ZnO. Journal of Nanoscience, 2014, 2014, 1-8.	2.6	9
11	Effect of functionalization and concentration of carbon nanotubes on mechanical, wear and fatigue behaviours of polyoxymethylene/carbon nanotube nanocomposites. Bulletin of Materials Science, 2019, 42, 1.	1.7	9
12	Mechanical, wear and fatigue behavior of functionalized CNTs reinforced POM/PTFE composites. Materials Research Express, 2019, 6, 065051.	1.6	8