

Shekhar Agnihotri

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,514
citations

686830

13
h-index

996533

15
g-index

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all docs

21
docs citations

21
times ranked

4681
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of chitosan- α -alginate nanospheres for controlled release of cartap hydrochloride. <i>Nanotechnology</i> , 2022, 33, 025701.	1.3	7
2	Advances in industrial biocatalysis through immobilized extremozymes. , 2022, , 375-404.		0
3	Chitosan/PVA silver nanocomposite for butachlor removal: Fabrication, characterization, adsorption mechanism and isotherms. <i>Carbohydrate Polymers</i> , 2021, 262, 117906.	5.1	48
4	Formulation of cartap hydrochloride crosslinked chitosan tripolyphosphate nanospheres and its characterization. <i>Colloid and Polymer Science</i> , 2021, 299, 1407-1418.	1.0	5
5	Immobilization of Enzymes onto Silica-Based Nanomaterials for Bioprocess Applications. <i>Gels Horizons: From Science To Smart Materials</i> , 2021, , 399-434.	0.3	0
6	Cellulase Immobilization onto Magnetic Halloysite Nanotubes: Enhanced Enzyme Activity and Stability with High Cellulose Saccharification. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 900-913.	3.2	67
7	Hierarchically aligned nano silver/chitosan- α -PVA hydrogel for point-of-use water disinfection: contact-active mechanism revealed. <i>Environmental Science: Nano</i> , 2020, 7, 2337-2350.	2.2	23
8	Impact of background water quality on disinfection performance and silver release of immobilized silver nanoparticles: Modeling disinfection kinetics, bactericidal mechanism and aggregation behavior. <i>Chemical Engineering Journal</i> , 2019, 372, 684-696.	6.6	28
9	Silver-Based Polymeric Nanocomposites as Antimicrobial Coatings for Biomedical Applications. , 2019, , 115-171.		4
10	Removal of Pharmaceutical Contaminants in Wastewater Using Nanomaterials: A Comprehensive Review. <i>Current Drug Metabolism</i> , 2019, 20, 483-505.	0.7	36
11	Photocatalytic and antibacterial potential of silver nanoparticles derived from pineapple waste: process optimization and modeling kinetics for dye removal. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 2077-2092.	1.6	43
12	Surfactant enhanced drying of waterbased poly(vinyl alcohol) coatings. <i>Progress in Organic Coatings</i> , 2018, 125, 443-452.	1.9	17
13	Antimicrobial Surface Modification of Polymeric Biomaterials. , 2018, , 435-486.		13
14	Disinfection of water in a batch reactor using chloridized silver surfaces. <i>Journal of Water Process Engineering</i> , 2017, 16, 41-49.	2.6	16
15	Development of Nano-Antimicrobial Biomaterials for Biomedical Applications. <i>Advanced Structured Materials</i> , 2017, , 479-545.	0.3	35
16	Arginine-assisted immobilization of silver nanoparticles on ZnO nanorods: an enhanced and reusable antibacterial substrate without human cell cytotoxicity. <i>Nanoscale</i> , 2015, 7, 7415-7429.	2.8	151
17	Size-controlled silver nanoparticles synthesized over the range 5-100 nm using the same protocol and their antibacterial efficacy. <i>RSC Advances</i> , 2014, 4, 3974-3983.	1.7	1,421
18	Immobilized silver nanoparticles enhance contact killing and show highest efficacy: elucidation of the mechanism of bactericidal action of silver. <i>Nanoscale</i> , 2013, 5, 7328.	2.8	409

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19	Antimicrobial chitosanâ€PVA hydrogel as a nanoreactor and immobilizing matrix for silver nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 179-188.	1.6	141
20	Antimicrobial Activity of Silver and Copper Nanoparticles: Variation in Sensitivity Across Various Strains of Bacteria and Fungi. , 2012, , 225-251.		21
21	Dual nanozyme characteristics of iron oxide nanoparticles alleviate salinity stress and promote the growth of an agroforestry tree, <i>Eucalyptus tereticornis</i> Sm.. <i>Environmental Science: Nano</i> , 0, , .	2.2	29