Manoranjan Arakha

List of Publications by Year
in descending order

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25 papers	1,405 citations	687363 13 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	2447 citing authors

#	Article	IF	Citations
1	Antimicrobial activity of iron oxide nanoparticle upon modulation of nanoparticle-bacteria interface. Scientific Reports, 2015, 5, 14813.	3.3	557
2	The effects of interfacial potential on antimicrobial propensity of ZnO nanoparticle. Scientific Reports, 2015, 5, 9578.	3.3	341
3	Lipid-II Independent Antimicrobial Mechanism of Nisin Depends On Its Crowding And Degree Of Oligomerization. Scientific Reports, 2016, 6, 37908.	3.3	95
4	Zinc oxide nanoparticle energy band gap reduction triggers the oxidative stress resulting into autophagy-mediated apoptotic cell death. Free Radical Biology and Medicine, 2017, 110, 42-53.	2.9	75
5	Enhancement of properties of recycled coarse aggregate concrete using bacteria. International Journal of Smart and Nano Materials, 2016, 7, 22-38.	4.2	54
6	Oxidative stress generated at nickel oxide nanoparticle interface results in bacterial membrane damage leading to cell death. RSC Advances, 2019, 9, 24888-24894.	3.6	52
7	Impact of imidazolium-based ionic liquids on the structure and stability of lysozyme. Spectroscopy Letters, 2016, 49, 383-390.	1.0	38
8	Interfacial assembly at silver nanoparticle enhances the antibacterial efficacy of nisin. Free Radical Biology and Medicine, 2016, 101, 434-445.	2.9	38
9	An approach towards continuous production of silver nanoparticles using Bacillus thuringiensis. RSC Advances, 2016, 6, 8232-8242.	3.6	27
10	Preferential binding to zinc oxide nanoparticle interface inhibits lysozyme fibrillation and cytotoxicity. International Journal of Biological Macromolecules, 2018, 116, 955-965.	7.5	21
11	Processing of hardened steel by MQL technique using nano cutting fluids. Materials and Manufacturing Processes, 2021, 36, 316-328.	4.7	21
12	Passive membrane penetration by ZnO nanoparticles is driven by the interplay of electrostatic and phase boundary conditions. Nanoscale, 2018, 10, 3369-3384.	5.6	19
13	Silver nanoparticles fabricated using medicinal plant extracts show enhanced antimicrobial and selective cytotoxic propensities. IET Nanobiotechnology, 2019, 13, 193-201.	3.8	16
14	Biofabrication of silver nanoparticles using bacteria from mangrove swamp. IET Nanobiotechnology, 2018, 12, 626-632.	3.8	14
15	Screening of metal-resistant coal mine bacteria for biofabrication of elemental silver nanoparticle. Bulletin of Materials Science, 2016, 39, 397-404.	1.7	12
16	Microbial cells as biological factory for nanoparticle synthesis. Frontiers of Materials Science, 2021, 15, 177-191.	2.2	10
17	Nanoparticle. Series in Bioengineering, 2018, , 1-36.	0.6	3
18	Synthesis and Characterization of Nanoparticles. Series in Bioengineering, 2018, , 37-59.	0.6	2

#	Article	IF	Citations
19	Magnetic Nanoparticle Interface with anÂAntimicrobial Propensity. Nanotechnology in the Life Sciences, 2019, , 287-300.	0.6	2
20	Effect of ZnONP Surface Defects on Cytotoxic and Antimicrobial Propensities. Series in Bioengineering, 2018, , 91-110.	0.6	1
21	Zinc oxide nanoparticle interface moderation with tyrosine and tryptophan reverses the pro-amyloidogenic property of the particle. Biochimie, 2021, , .	2.6	1
22	Effect of Interfacial Potential on Antimicrobial Propensity of ZnONPs. Series in Bioengineering, 2018, , 61-77.	0.6	0
23	Effect of Interfacial Assembly of Antimicrobial Peptide on Conformational and Functional Dynamics of the Peptide. Series in Bioengineering, 2018, , 111-135.	0.6	0
24	Proteinâ€“Nanoparticle Interaction and Its Potential Biological Implications. , 2021, , 155-173.		0
25	Classification, Synthesis and Application of Nanoparticles Against Infectious Diseases. , 2022, , 35-58.		0