Rocktotpal Konwarh

List of Publications by Year
in descending order

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43 papers	1,445 citations	394286 19 h-index	377752 34 g-index
46 all docs	46 docs citations	46 times ranked	2270 citing authors

#	Article	IF	Citations
1	Harnessing the potential use of cellulolytic Klebsiella oxytoca (M21WG) and Klebsiella sp. (Z6WG) isolated from the guts of termites (Isoptera). Annals of Microbiology, 2022, 72, .	1.1	6
2	Exemplary evidence of bio-nano crosstalk between carbon dots and plant systems. , 2022, , 155-173.		0
3	Harnessing the Sustainable Bioresource, Cellulose at the Nanoscale for Multifarious Environmental Applications. , 2021, , 65-91.		0
4	Fortifying the diagnostic-frontiers with nanoscale technology amidst the COVID-19 catastrophe. Expert Review of Molecular Diagnostics, 2021, 21, 131-135.	1.5	2
5	Single nucleotide polymorphisms of leptin gene in five Ethiopian indigenous cattle breeds and the Korean Hanwoo breed. Tropical Animal Health and Production, 2021, 53, 202.	0.5	2
6	Recent advances in bioprinting technologies for engineering hepatic tissue. Materials Science and Engineering C, 2021, 123, 112013.	3.8	26
7	Optimization of chromium(VI) removal by indigenous microalga (Chlamydomonas sp.)â€based biosorbent using response surface methodology. Water Environment Research, 2021, 93, 1276-1288.	1.3	17
8	Can CRISPR/Cas Technology Be a Felicitous Stratagem Against the COVID-19 Fiasco? Prospects and Hitches. Frontiers in Molecular Biosciences, 2020, 7, 557377.	1.6	15
9	Designing of novel nanosensors for environmental aspects. , 2020, , 51-87.		4
10	Nanobodies: Prospects of Expanding the Gamut of Neutralizing Antibodies Against the Novel Coronavirus, SARS-CoV-2. Frontiers in Immunology, 2020, 11, 1531.	2.2	33
11	Nanosensor platforms for surveillance of plant pathogens and phytometabolites/analytes vis-Ã-vis plant health status. , 2020, , 357-385.		2
12	Harnessing the therapeutic myco-potential for concrete-crack healing: Prospects and snags. Material Science Research India, 2020, 17, 117-128.	0.9	5
13	Can the venerated silk be the next-generation nanobiomaterial for biomedical-device designing, regenerative medicine and drug delivery? Prospects and hitches. Bio-Design and Manufacturing, 2019, 2, 278-286.	3.9	11
14	Comprehensive Review on Silk at Nanoscale for Regenerative Medicine and Allied Applications. ACS Biomaterials Science and Engineering, 2019, 5, 2054-2078.	2.6	51
15	Green Synthesis of Iron Oxide Nanoparticles: Cutting Edge Technology and Multifaceted Applications. , 2019, , 239-259.		26
16	Sustainable Bioresource, Silk at the Nanoscale for Biomedical Applications. , 2019, , 125-145.		2
17	Ion-Exchange Nanocomposites: Avant garde Materials for Electrodialysis. , 2019, , 215-246.		0
18	Silk Based Nanofibrous Biomaterials for Tissue Engineering and Regenerative Medicine (Term): Transcending New Frontiers. Material Science Research India, 2019, 16, 04-06.	0.9	0

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19	Potential Nanomedicine Applications of Multifunctional Carbon Nanoparticles Developed Using Green Technology. ACS Sustainable Chemistry and Engineering, 2018, 6, 1235-1245.	3.2	20
20	Mimicking Hierarchical Complexity of the Osteochondral Interface Using Electrospun Silkâ€“Bioactive Glass Composites. ACS Applied Materials & Interfaces, 2017, 9, 8000-8013.	4.0	89
21	Opportunities and Challenges in Exploring Indian Non-Mulberry Silk for Biomedical Applications. Proceedings of the Indian National Science Academy Part A, Physical Sciences, 2017, 83, .	0.2	14
22	Comparative analysis of codon usage bias in Crenarchaea and Euryarchaea genome reveals differential preference of synonymous codons to encode highly expressed ribosomal and RNA polymerase proteins. Journal of Genetics, 2016, 95, 537-549.	0.4	2
23	Silk-microfluidics for advanced biotechnological applications: A progressive review. Biotechnology Advances, 2016, 34, 845-858.	6.0	55
24	Sonication assisted assemblage of exotic polymer supported nanostructured bio-hybrid system and prospective application. Ultrasonics Sonochemistry, 2014, 21, 634-642.	3.8	6
25	Bio-based hyperbranched poly(ester amide)â€“MWCNT nanocomposites: multimodalities at the biointerface. Biomaterials Science, 2014, 2, 192-202.	2.6	24
26	Microwave-assisted poly(glycidyl methacrylate)-functionalized multiwall carbon nanotubes with a â€˜tendrillarâ€™ nanofibrous polyaniline wrapping and their interaction at bio-interface. Carbon, 2013, 55, 34-43.	5.4	15
27	Non-hazardous anticancerous and antibacterial colloidal â€˜greenâ€™ silver nanoparticles. Colloids and Surfaces B: Biointerfaces, 2013, 105, 37-42.	2.5	82
28	Electrospun cellulose acetate nanofibers: The present status and gamut of biotechnological applications. Biotechnology Advances, 2013, 31, 421-437.	6.0	275
29	Molecular docking studies on analogues of quercetin with d-alanine:d-alanine ligase of Helicobacter pylori. Medicinal Chemistry Research, 2013, 22, 2139-2150.	1.1	15
30	Diameter-tuning of electrospun cellulose acetate fibers: A Boxâ€“Behnken design (BBD) study. Carbohydrate Polymers, 2013, 92, 1100-1106.	5.1	33
31	Bio-degradable vegetable oil based hyperbranched poly(ester amide) as an advanced surface coating material. Progress in Organic Coatings, 2013, 76, 689-697.	1.9	47
32	Isolation and immobilization of Aroid polyphenol on magnetic nanoparticles: Enhancement of potency on surface immobilization. Colloids and Surfaces B: Biointerfaces, 2013, 102, 450-456.	2.5	7
33	Biomimetically Prepared Antibacterial, Free Radical Scavenging Poly(ethylene glycol) Supported Silver Nanoparticles as Aedes albopictus Larvicide. Advanced Science, Engineering and Medicine, 2013, 5, 291-298.	0.3	19
34	Lycopene coupled â€˜trifoliateâ€™ polyaniline nanofibers as multi-functional biomaterial. Journal of Materials Chemistry, 2012, 22, 15062.	6.7	17
35	Ultrasonication â€“ A complementary â€˜green chemistryâ€™ tool to biocatalysis: A laboratory-scale study of lycopene extraction. Ultrasonics Sonochemistry, 2012, 19, 292-299.	3.8	70
36	Effect of sonication and aging on the templating attribute of starch for â€œgreenâ€•silver nanoparticles and their interactions at bio-interface. Carbohydrate Polymers, 2011, 83, 1245-1252.	5.1	44

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37	Biomimetic preparation of polymer-supported free radical scavenging, cytocompatible and antimicrobial â€œgreenâ€•silver nanoparticles using aqueous extract of Citrus sinensis peel. Colloids and Surfaces B: Biointerfaces, 2011, 84, 338-345.	2.5	106
38	Magnetically recyclable, antimicrobial, and catalytically enhanced polymer-assisted â€œgreenâ€• nanosystem-immobilized Aspergillus niger amyloglucosidase. Applied Microbiology and Biotechnology, 2010, 87, 1983-1992.	1.7	32
39	â€˜Poly(ethylene glycol)-magnetic nanoparticles-curcuminâ€™ trio: Directed morphogenesis and synergistic free-radical scavenging. Colloids and Surfaces B: Biointerfaces, 2010, 81, 578-586.	2.5	31
40	Catalytically Active Vegetableâ€Oilâ€Based Thermoplastic Hyperbranched Polyurethane/Silver Nanocomposites. Macromolecular Materials and Engineering, 2010, 295, 159-169.	1.7	33
41	Purification, characterization and biotechnological application of an alkaline Î²-keratinase produced by Bacillus subtilis RM-01 in solid-state fermentation using chicken-feather as substrate. Biochemical Engineering Journal, 2009, 45, 218-225.	1.8	88
42	Polymer-assisted iron oxide magnetic nanoparticle immobilized keratinase. Nanotechnology, 2009, 20, 225107.	1.3	110
43	Survey of attitude towards biotechnology among the members of an Ethiopian university fraternity. African Journal of Science, Technology, Innovation and Development, 0, , 1-11.	0.8	0