Dr S Venkat Kumar

List of Publications by Year
in descending order

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39 papers	2,619 citations	394421 19 h-index	395702 33 g-index
39 all docs	39 docs citations	39 times ranked	2964 citing authors

#	Article	IF	Citations
1	Biomimetic Copper Oxide Nanoparticles and its Validation Through In-silico Approach on Cardiac Enzymes. Current Nanoscience, 2022, 18, 86-93.	1.2	4
2	Green synthesis of titanium dioxide nanoparticles using plant biomass and their applications- A review. Chemosphere, 2022, 300, 134612.	8.2	31
3	Effect of green synthesized nano-titanium synthesized from Trachyspermum ammi extract on seed germination of Vigna radiate. Chemosphere, 2022, 300, 134600.	8.2	19
4	Catalytical degradation of industrial dyes using biosynthesized selenium nanoparticles and evaluating its antimicrobial activities. Sustainable Environment Research, 2021, 31, .	4.2	33
5	Green synthesis of anatase titanium dioxide nanoparticles using Cuminum cyminum seed extract; effect on Mung bean (Vigna radiata) seed germination. Inorganic Chemistry Communication, 2021, 126, 108485.	3.9	40
6	Anti- blight effect of green synthesized pure and Ag-doped tin oxide nanoparticles from Averrhoa bilimbi fruit extract towards Xanthomonas oryzae-the leaf blight pathogen of rice. Inorganic Chemistry Communication, 2021, 133, 108866.	3.9	5
7	Microbe-mediated synthesis of zinc oxide nanoparticles. , 2021, , 53-63.		0
8	A review on anti-inflammatory activity of green synthesized zinc oxide nanoparticle: Mechanism-based approach. Bioorganic Chemistry, 2020, 94, 103423.	4.1	91
9	Investigating the Antimicrobial Activities of the Biosynthesized Selenium Nanoparticles and Its Statistical Analysis. BioNanoScience, 2020, 10, 122-135.	3.5	93
10	Cytotoxicity Analysis of Biosynthesized Selenium Nanoparticles Towards A549 Lung Cancer Cell Line. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 1852-1864.	3.7	15
11	Chemopreventive mechanism of action by oxidative stress and toxicity induced surface decorated selenium nanoparticles. Journal of Trace Elements in Medicine and Biology, 2020, 62, 126549.	3.0	18
12	Functionalization of zinc oxide nanoparticles using Mucuna pruriens and its antibacterial activity. Surfaces and Interfaces, 2020, 19, 100521.	3.0	21
13	Microbe-mediated Synthesis of Zinc Oxide Nanoparticles and Its Biomedical Applications. , 2020, , 162-177.		1
14	Eco-friendly synthesis of zinc oxide nanoparticles using Cinnamomum Tamala leaf extract and its promising effect towards the antibacterial activity. Journal of Drug Delivery Science and Technology, 2019, 53, 101212.	3.0	59
15	Synthesis and optimization of zinc oxide nanoparticles using Kalanchoe pinnata towards the evaluation of its anti-inflammatory activity. Journal of Drug Delivery Science and Technology, 2019, 54, 101291.	3.0	31
16	A biological synthesis of copper nanoparticles and its potential applications. , 2019, , 199-221.		16
17	Phyto-assisted synthesis of zinc oxide nanoparticles using Cassia alata and its antibacterial activity against Escherichia coli. Biochemistry and Biophysics Reports, 2019, 17, 208-211.	1.3	87
18	Antibacterial and antioxidant potential of biosynthesized copper nanoparticles mediated through Cissus arnotiana plant extract. Journal of Photochemistry and Photobiology B: Biology, 2019, 197, 111531.	3.8	236

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19	Toxicology evaluation and antidermatophytic activity of silver nanoparticles synthesized using leaf extract of Passiflora caerulea. South African Journal of Chemical Engineering, 2019, 29, 17-23.	2.4	12
20	Anti-inflammatory mechanism of various metal and metal oxide nanoparticles synthesized using plant extracts: A review. Biomedicine and Pharmacotherapy, 2019, 109, 2561-2572.	5.6	195
21	Anti-inflammatory activity screening of Kalanchoe pinnata methanol extract and its validation using a computational simulation approach. Informatics in Medicine Unlocked, 2019, 14, 6-14.	3.4	14
22	Efficacy of Biogenic Selenium Nanoparticles from an Extract of Ginger towards Evaluation on Anti-Microbial and Anti-Oxidant Activities. Colloids and Interface Science Communications, 2019, 29, 1-8.	4.1	137
23	Biocalcification by Piezotolerant Bacillus sp. NIOTVJ5 Isolated from Deep Sea Sediment and its Influence on the Strength of Concrete Specimens. Marine Biotechnology, 2019, 21, 161-170.	2.4	8
24	Mechanistic study on antibacterial action of zinc oxide nanoparticles synthesized using green route. Chemico-Biological Interactions, 2018, 286, 60-70.	4.0	263
25	Brassica oleracea Mediated Synthesis of Zinc Oxide Nanoparticles and its Antibacterial Activity against Pathogenic Bacteria. Asian Journal of Chemistry, 2018, 30, 2711-2715.	0.3	5
26	Biosynthesis of zinc oxide nanoparticles usingMangifera indica leaves and evaluation of their antioxidant and cytotoxic properties in lung cancer (A549) cells. Enzyme and Microbial Technology, 2018, 117, 91-95.	3.2	183
27	Plant-Based Synthesis of Nanoparticles and Their Impact. , 2018, , 33-57.		8
28	Selenium nanoparticles: A potent chemotherapeutic agent and an elucidation of its mechanism. Colloids and Surfaces B: Biointerfaces, 2018, 170, 280-292.	5.0	184
29	ANTIDIABETIC EFFECT OF SILVER NANOPARTICLES SYNTHESIZED USING LEMONGRASS (CYMBOPOGON) Tj ETQq1 1 0.784314 rgBT /O Microbiology, Biotechnology and Food Sciences, 2018, 7, 371-376.	0.8	37
30	Green Synthesis of Silver Nanoparticle using Kalanchoe pinnata leaf extract and its Antibacterial Effect against Gram-Positive and Gram-Negative Species. Research Journal of Pharmacy and Technology, 2018, 11, 3964.	0.8	1
31	Anticancer assessment of biosynthesized silver nanoparticles using Mucuna pruriens seed extract on Lung Cancer Treatment. Research Journal of Pharmacy and Technology, 2018, 11, 3887.	0.8	5
32	Microbial Calcification: An Insight Into Carbonate Precipitation And Its Emerging Influence In Diverse Applications. American Journal of PharmTech Research, 2018, 8, 125-147.	0.2	1
33	A review on green synthesis of zinc oxide nanoparticles â€“ An eco-friendly approach. Resource-efficient Technologies, 2017, 3, 406-413.	0.1	569
34	Phyto-assisted synthesis, characterization and applications of gold nanoparticles â€“ A review. Biochemistry and Biophysics Reports, 2017, 11, 46-57.	1.3	143
35	Evaluation of antibacterial, antioxidant and GC-MS analysis of ethanolic seed extract of Myristica dactyloides. IOP Conference Series: Materials Science and Engineering, 2017, 263, 022042.	0.6	0
36	Optimized Production of Silver Nanoparticles Using Marine Macroalgae Sargassum myriocystum for Its Antibacterial Activity. Journal of Bionanoscience, 2017, 11, 323-329.	0.4	8

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37	SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES FROM MARINE BROWN SEAWEED AND ITS ANTIFUNGAL EFFICIENCY AGAINST CLINICAL FUNGAL PATHOGENS. Asian Journal of Pharmaceutical and Clinical Research, 2017, 10, 190.	0.3	10
38	GREEN SYNTHESIS OF SILVER NANOPARTICLES USING MEDICINAL PLANT ACALYPHA INDICA LEAF EXTRACTS AND ITS APPLICATION AS AN ANTIOXIDANT AND ANTIMICROBIAL AGENT AGAINST FOODBORNE PATHOGENS. International Journal of Applied Pharmaceutics, 2017, 9, 42.	0.3	35
39	Efficient implementation of fast convolution in ASIP. , 2010, , .		1