

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	A review on green synthesis of zinc oxide nanoparticles " An eco-friendly approach. Resource-efficient Technologies, 2017, 3, 406-413.	0.1	569
2	Mechanistic study on antibacterial action of zinc oxide nanoparticles synthesized using green route. Chemico-Biological Interactions, 2018, 286, 60-70.	4.0	263
3	Antibacterial and antioxidant potential of biosynthesized copper nanoparticles mediated through Cissus annotiana plant extract. Journal of Photochemistry and Photobiology B: Biology, 2019, 197, 111531.	3.8	236
4	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
5	Selenium nanoparticles: A potent chemotherapeutic agent and an elucidation of its mechanism. Colloids and Surfaces B: Biointerfaces, 2018, 170, 280-292.	5.0	184
6	Biosynthesis of zinc oxide nanoparticles using Mangifera 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
7	Phyto-assisted synthesis, characterization and applications of gold nanoparticles " A review. Biochemistry and Biophysics Reports, 2017, 11, 46-57.	1.3	143
8	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
9	Investigating the Antimicrobial Activities of the Biosynthesized Selenium Nanoparticles and Its Statistical Analysis. BioNanoScience, 2020, 10, 122-135.	3.5	93
10	A review on anti-inflammatory activity of green synthesized zinc oxide nanoparticle: Mechanism-based approach. Bioorganic Chemistry, 2020, 94, 103423.	4.1	91
11	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
12	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
13	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
14	ANTIDIABETIC EFFECT OF SILVER NANOPARTICLES SYNTHESIZED USING LEMONGRASS (CYMBOPOGON) Tj ETQq0 0 0 rgBT /Overlock 1 Microbiology, Biotechnology and Food Sciences, 2018, 7, 371-376.	0.8	37
15	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
16	Catalytical degradation of industrial dyes using biosynthesized selenium nanoparticles and evaluating its antimicrobial activities. Sustainable Environment Research, 2021, 31, .	4.2	33
17	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
18	Green synthesis of titanium dioxide nanoparticles using plant biomass and their applications- A review. Chemosphere, 2022, 300, 134612.	8.2	31

#	ARTICLE	IF	CITATIONS
19	Functionalization of zinc oxide nanoparticles using <i>Mucuna pruriens</i> and its antibacterial activity. <i>Surfaces and Interfaces</i> , 2020, 19, 100521.	3.0	21
20	Effect of green synthesized nano-titanium synthesized from <i>Trachyspermum ammi</i> extract on seed germination of <i>Vigna radiata</i> . <i>Chemosphere</i> , 2022, 300, 134600.	8.2	19
21	Chemopreventive mechanism of action by oxidative stress and toxicity induced surface decorated selenium nanoparticles. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 62, 126549.	3.0	18
22	A biological synthesis of copper nanoparticles and its potential applications. , 2019, , 199-221.		16
23	Cytotoxicity Analysis of Biosynthesized Selenium Nanoparticles Towards A549 Lung Cancer Cell Line. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1852-1864.	3.7	15
24	Anti-inflammatory activity screening of <i>Kalanchoe pinnata</i> methanol extract and its validation using a computational simulation approach. <i>Informatics in Medicine Unlocked</i> , 2019, 14, 6-14.	3.4	14
25	Toxicology evaluation and antidermatophytic activity of silver nanoparticles synthesized using leaf extract of <i>Passiflora caerulea</i> . <i>South African Journal of Chemical Engineering</i> , 2019, 29, 17-23.	2.4	12
26	SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES FROM MARINE BROWN SEAWEED AND ITS ANTIFUNGAL EFFICIENCY AGAINST CLINICAL FUNGAL PATHOGENS. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2017, 10, 190.	0.3	10
27	Optimized Production of Silver Nanoparticles Using Marine Macroalgae <i>Sargassum myricostum</i> for Its Antibacterial Activity. <i>Journal of Bionanoscience</i> , 2017, 11, 323-329.	0.4	8
28	Plant-Based Synthesis of Nanoparticles and Their Impact. , 2018, , 33-57.		8
29	Biocalcification by Piezotolerant <i>Bacillus</i> sp. NIOTVJ5 Isolated from Deep Sea Sediment and its Influence on the Strength of Concrete Specimens. <i>Marine Biotechnology</i> , 2019, 21, 161-170.	2.4	8
30	<i>Brassica oleracea</i> Mediated Synthesis of Zinc Oxide Nanoparticles and its Antibacterial Activity against Pathogenic Bacteria. <i>Asian Journal of Chemistry</i> , 2018, 30, 2711-2715.	0.3	5
31	Anti-blight effect of green synthesized pure and Ag-doped tin oxide nanoparticles from <i>Averrhoa bilimbi</i> fruit extract towards <i>Xanthomonas oryzae</i> -the leaf blight pathogen of rice. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108866.	3.9	5
32	Anticancer assessment of biosynthesized silver nanoparticles using <i>Mucuna pruriens</i> seed extract on Lung Cancer Treatment. <i>Research Journal of Pharmacy and Technology</i> , 2018, 11, 3887.	0.8	5
33	Biomimetic Copper Oxide Nanoparticles and its Validation Through In-silico Approach on Cardiac Enzymes. <i>Current Nanoscience</i> , 2022, 18, 86-93.	1.2	4
34	Efficient implementation of fast convolution in ASIP. , 2010, , .		1
35	Green Synthesis of Silver Nanoparticle using <i>Kalanchoe pinnata</i> leaf extract and its Antibacterial Effect against Gram-Positive and Gram-Negative Species. <i>Research Journal of Pharmacy and Technology</i> , 2018, 11, 3964.	0.8	1
36	Microbial Calcification: An Insight Into Carbonate Precipitation And Its Emerging Influence In Diverse Applications. <i>American Journal of PharmTech Research</i> , 2018, 8, 125-147.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Microbe-mediated Synthesis of Zinc Oxide Nanoparticles and Its Biomedical Applications. , 2020, , 162-177.		1
38	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
39	Microbe-mediated synthesis of zinc oxide nanoparticles. , 2021, , 53-63.		0