

Prathap Somu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

575
citations

623188

14
h-index

642321

23
g-index

30
all docs

30
docs citations

30
times ranked

531
citing authors

#	ARTICLE	IF	CITATIONS
1	Apoptotic Effect and Anticancer Activity of Biosynthesized Silver Nanoparticles from Marine Algae <i>Chaetomorpha linum</i> Extract Against Human Colon Cancer Cell HCT-116. <i>Biological Trace Element Research</i> , 2021, 199, 1812-1822.	1.9	78
2	Casein based biogenic synthesized zinc oxide nanoparticles simultaneously decontaminate heavy metals, dyes, and pathogenic microbes: a rational strategy for wastewater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2962-2976.	1.6	56
3	Immobilization of enzymes for bioremediation: A future remedial and mitigating strategy. <i>Environmental Research</i> , 2022, 212, 113411.	3.7	54
4	Chitosan and graphene oxide hybrid nanocomposite film doped with silver nanoparticles efficiently prevents biofouling. <i>Applied Surface Science</i> , 2018, 452, 487-497.	3.1	43
5	Endophyte fungal isolate mediated biogenic synthesis and evaluation of biomedical applications of silver nanoparticles. <i>Materials Technology</i> , 2022, 37, 167-178.	1.5	42
6	Biogenically Synthesized Silver Nanoparticles Using Endophyte Fungal Extract of <i>Ocimum tenuiflorum</i> and Evaluation of Biomedical Properties. <i>Journal of Cluster Science</i> , 2020, 31, 1241-1255.	1.7	38
7	A biomolecule-assisted one-pot synthesis of zinc oxide nanoparticles and its bioconjugate with curcumin for potential multifaceted therapeutic applications. <i>New Journal of Chemistry</i> , 2019, 43, 11934-11948.	1.4	35
8	Bio-conjugation of curcumin with self-assembled casein nanostructure via surface loading enhances its bioactivity: An efficient therapeutic system. <i>Applied Surface Science</i> , 2018, 462, 316-329.	3.1	27
9	Surface conjugation of curcumin with self-assembled lysozyme nanoparticle enhanced its bioavailability and therapeutic efficacy in multiple cancer cells. <i>Journal of Molecular Liquids</i> , 2021, 338, 116623.	2.3	26
10	Supramolecular nanoassembly of lysozyme and α -lactalbumin (apo α -LA) exhibits selective cytotoxicity and enhanced bioavailability of curcumin to cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 297-306.	2.5	24
11	Biomolecule functionalized magnetite nanoparticles efficiently adsorb and remove heavy metals from contaminated water. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2009-2022.	1.6	23
12	Protein functionalization of ZnO nanostructure exhibits selective and enhanced toxicity to breast cancer cells through oxidative stress-based cell death mechanism. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 376-388.	1.7	22
13	Graphene Oxide Quantum Dot Alters Amyloidogenicity of Hen Egg White Lysozyme via Modulation of Protein Surface Character. <i>Langmuir</i> , 2018, 34, 15283-15292.	1.6	20
14	Biogenic synthesis of silver nanoparticles using marine algae <i>Cladophora glomerata</i> and evaluation of apoptotic effects in human colon cancer cells. <i>Materials Technology</i> , 2022, 37, 569-580.	1.5	20
15	Protein assisted one pot controlled synthesis of monodispersed and multifunctional colloidal silver-gold alloy nanoparticles. <i>Journal of Molecular Liquids</i> , 2019, 291, 111303.	2.3	14
16	Systemic Evaluation of Mechanism of Cytotoxicity in Human Colon Cancer HCT-116 Cells of Silver Nanoparticles Synthesized Using Marine Algae <i>Ulva lactuca</i> Extract. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 596-605.	1.9	14
17	Visible light induced efficient photocatalytic degradation of azo dye into nontoxic byproducts by CdSe quantum dot conjugated nano graphene oxide. <i>Journal of Molecular Liquids</i> , 2021, 340, 117055.	2.3	8
18	Bimetallic p-ZnO/n-CuO nanocomposite synthesized using <i>Aegle marmelos</i> leaf extract exhibits excellent visible-light-driven photocatalytic removal of 4-nitroaniline and methyl orange. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 1357-1370.	1.6	8

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19	Biogenically engineered silver nanoparticles using bael leaf extract and evaluation of its therapeutic potential. <i>Materials Technology</i> , 2022, 37, 1617-1628.	1.5	6
20	HSP90 and Its Inhibitors for Cancer Therapy: Use of Nano-delivery System to Improve Its Clinical Application. <i>Heat Shock Proteins</i> , 2019, , 159-182.	0.2	5
21	Isolation and Phytochemical Screening of Endophytic Fungi Isolated from Medicinal Plant <i>Mappia foetida</i> and Evaluation of Its In Vitro Cytotoxicity in Cancer. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 4570-4586.	1.4	4
22	Phytochemical Screening and Bioactivity Studies of Endophytes <i>Cladosporium</i> sp. Isolated from the Endangered Plant <i>Vateria Indica</i> Using In Silico and In Vitro Analysis. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 4546-4569.	1.4	4
23	Effective removal of proteins using carbon-based nanoadsorbent: relevancy to the application of membrane-driven pre-water treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2053-2064.	1.6	3
24	Application of Nanoscale Materials and Nanotechnology Against Viral Infection: A Special Focus on Coronaviruses. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1352, 173-193.	0.8	1
25	Recent advancements and challenges in the field of nanotechnology for wastewater treatment, recycle, and reuse. , 2021, , 407-430.		0
26	A Detailed Overview of ROS-Modulating Approaches in Cancer Treatment. , 2022, , 1-22.		0