

Rajan Ramachandran

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,663
citations

759055

12
h-index

887953

17
g-index

18
all docs

18
docs citations

18
times ranked

2324
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization for rapid synthesis of silver nanoparticles and its effect on phytopathogenic fungi. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 95-99.	2.0	355
2	Plant extract synthesized silver nanoparticles: An ongoing source of novel biocompatible materials. <i>Industrial Crops and Products</i> , 2015, 70, 356-373.	2.5	325
3	<i>Acalypha indica</i> Linn: Biogenic synthesis of silver and gold nanoparticles and their cytotoxic effects against MDA-MB-231, human breast cancer cells. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2014, 4, 42-49.	2.1	252
4	Mycosynthesis of silver and gold nanoparticles: Optimization, characterization and antimicrobial activity against human pathogens. <i>Microbiological Research</i> , 2016, 182, 8-20.	2.5	187
5	Exploitation of endophytic fungus, <i>Guignardia mangiferae</i> for extracellular synthesis of silver nanoparticles and their in vitro biological activities. <i>Microbiological Research</i> , 2015, 178, 9-17.	2.5	176
6	Electrospun Nanofibers of Natural and Synthetic Polymers as Artificial Extracellular Matrix for Tissue Engineering. <i>Nanomaterials</i> , 2021, 11, 21.	1.9	115
7	In vitro biological properties and characterization of nanosilver coated cotton fabrics – An application for antimicrobial textile finishing. <i>International Biodeterioration and Biodegradation</i> , 2016, 107, 48-55.	1.9	59
8	Anticancer activity of biologically synthesized silver and gold nanoparticles on mouse myoblast cancer cells and their toxicity against embryonic zebrafish. <i>Materials Science and Engineering C</i> , 2017, 73, 674-683.	3.8	58
9	In vivo toxicity evaluation of biologically synthesized silver nanoparticles and gold nanoparticles on adult zebrafish: a comparative study. <i>3 Biotech</i> , 2018, 8, 441.	1.1	37
10	Synthesis, characterization and biological applications of mycosynthesized silver nanoparticles. <i>3 Biotech</i> , 2017, 7, 333.	1.1	30
11	A review on the toxicity of silver nanoparticles against different biosystems. <i>Chemosphere</i> , 2022, 292, 133397.	4.2	17
12	Silver nanoparticles decorated reduced graphene oxide: Eco-friendly synthesis, characterization, biological activities and embryo toxicity studies. <i>Environmental Research</i> , 2022, 210, 112864.	3.7	17
13	The nano-composite of Co-doped g-C ₃ N ₄ and ZnO sensors for the rapid detection of BTEX gases: stability studies and gas sensing mechanism. <i>Journal of Materials Science</i> , 2021, 56, 5041-5052.	1.7	13
14	In vitro toxicological assessment and biosensing potential of bioinspired chitosan nanoparticles, selenium nanoparticles, chitosan/selenium nanocomposites, silver nanoparticles and chitosan/silver nanocomposites. <i>Chemosphere</i> , 2022, 301, 134790.	4.2	10
15	Improvement of Gas Sensing of Uniform Ag ₃ PO ₄ Nanoparticles to NH ₃ under the Assistant of LED Lamp with Low Power Consumption at Room Temperature. <i>ChemistrySelect</i> , 2021, 6, 8338-8344.	0.7	4
16	Preparation and characterization of waterproof autoclaved aerated concrete using molybdenum tailings as the raw materials. <i>Journal of Building Engineering</i> , 2022, 49, 104036.	1.6	4
17	Hierarchical SnO ₂ nanoflower sensitized by BNQDs enhances the gas sensing performances to BTEX. <i>Nanotechnology</i> , 2022, 33, 255602.	1.3	4
18	Solar Concentrator Consisting of Multiple Aspheric Reflectors. <i>Energies</i> , 2019, 12, 4038.	1.6	0