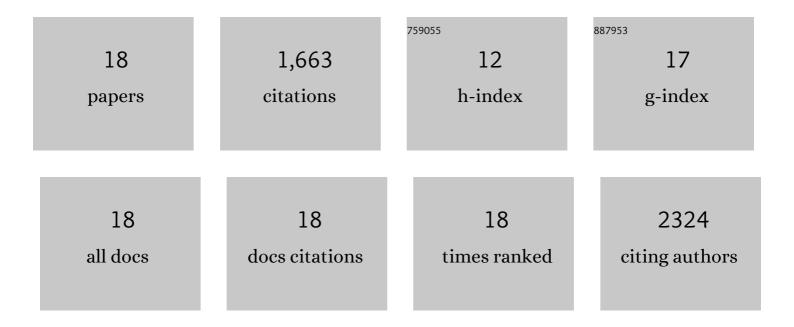
Rajan Ramachandran

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A review on the toxicity of silver nanoparticles against different biosystems. Chemosphere, 2022, 292, 133397.	4.2	17
2	Preparation and characterization of waterproof autoclaved aerated concrete using molybdenum tailings as the raw materials. Journal of Building Engineering, 2022, 49, 104036.	1.6	4
3	Silver nanoparticles decorated reduced graphene oxide: Eco-friendly synthesis, characterization, biological activities and embryo toxicity studies. Environmental Research, 2022, 210, 112864.	3.7	17
4	Hierarchical SnO ₂ nanoflower sensitized by BNQDs enhances the gas sensing performances to BTEX. Nanotechnology, 2022, 33, 255602.	1.3	4
5	In vitro toxicological assessment and biosensing potential of bioinspired chitosan nanoparticles, selenium nanoparticles, chitosan/selenium nanocomposites, silver nanoparticles and chitosan/silver nanocomposites. Chemosphere, 2022, 301, 134790.	4.2	10
6	The nano-composite of Co-doped g-C3N4 and ZnO sensors for the rapid detection of BTEX gases: stability studies and gas sensing mechanism. Journal of Materials Science, 2021, 56, 5041-5052.	1.7	13
7	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. ChemistrySelect, 2021, 6, 8338-8344.	0.7	4
8	Electrospun Nanofibers of Natural and Synthetic Polymers as Artificial Extracellular Matrix for Tissue Engineering. Nanomaterials, 2021, 11, 21.	1.9	115
9	Solar Concentrator Consisting of Multiple Aspheric Reflectors. Energies, 2019, 12, 4038.	1.6	0
10	In vivo toxicity evaluation of biologically synthesized silver nanoparticles and gold nanoparticles on adult zebrafish: a comparative study. 3 Biotech, 2018, 8, 441.	1.1	37
11	Anticancer activity of biologically synthesized silver and gold nanoparticles on mouse myoblast cancer cells and their toxicity against embryonic zebrafish. Materials Science and Engineering C, 2017, 73, 674-683.	3.8	58
12	Synthesis, characterization and biological applications of mycosynthesized silver nanoparticles. 3 Biotech, 2017, 7, 333.	1.1	30
13	InÂvitro biological properties and characterization of nanosilver coated cotton fabrics – An application for antimicrobial textile finishing. International Biodeterioration and Biodegradation, 2016, 107, 48-55.	1.9	59
14	Mycosynthesis of silver and gold nanoparticles: Optimization, characterization and antimicrobial activity against human pathogens. Microbiological Research, 2016, 182, 8-20.	2.5	187
15	Exploitation of endophytic fungus, Guignardia mangiferae for extracellular synthesis of silver nanoparticles and their in vitro biological activities. Microbiological Research, 2015, 178, 9-17.	2.5	176
16	Plant extract synthesized silver nanoparticles: An ongoing source of novel biocompatible materials. Industrial Crops and Products, 2015, 70, 356-373.	2.5	325
17	Acalypha indica Linn: Biogenic synthesis of silver and gold nanoparticles and their cytotoxic effects against MDA-MB-231, human breast cancer cells. Biotechnology Reports (Amsterdam, Netherlands), 2014, 4, 42-49.	2.1	252
18	Optimization for rapid synthesis of silver nanoparticles and its effect on phytopathogenic fungi. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 93, 95-99.	2.0	355