

Thiagarajan Raman

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

950
citations

567281

15
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

1668
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of silver nanoparticles using ethanolic petals extract of <i>Rosa indica</i> and characterization of its antibacterial, anticancer and anti-inflammatory activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 120-129.	3.9	153
2	Synthesis of silver nanoparticles using <i>Solanum trilobatum</i> fruits extract and its antibacterial, cytotoxic activity against human breast cancer cell line MCF 7. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 223-228.	3.9	120
3	Platinum nanoparticles inhibit bacteria proliferation and rescue zebrafish from bacterial infection. <i>RSC Advances</i> , 2016, 6, 44415-44424.	3.6	80
4	Future prospects of antibacterial metal nanoparticles as enzyme inhibitor. <i>Materials Science and Engineering C</i> , 2016, 68, 939-947.	7.3	77
5	Hyperglycemia-Induced Oxidative-Nitrosative Stress Induces Inflammation and Neurodegeneration via Augmented Tuberous Sclerosis Complex-2 (TSC-2) Activation in Neuronal Cells. <i>Molecular Neurobiology</i> , 2017, 54, 238-254.	4.0	52
6	Lutein and cataract: from bench to bedside. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 829-839.	9.0	50
7	Effect of surfactant in mitigating cadmium oxide nanoparticle toxicity: Implications for mitigating cadmium toxicity in environment. <i>Environmental Research</i> , 2017, 152, 141-149.	7.5	49
8	Synthesis of Co ₃ O ₄ nanoparticles with block and sphere morphology, and investigation into the influence of morphology on biological toxicity. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 553-560.	1.8	47
9	Agglutinin-mediated phagocytosis-associated generation of superoxide anion and nitric oxide by the hemocytes of the giant freshwater prawn <i>Macrobrachium rosenbergii</i> . <i>Fish and Shellfish Immunology</i> , 2008, 24, 337-345.	3.6	45
10	Inhibition of diabetic-cataract by vitamin K1 involves modulation of hyperglycemia-induced alterations to lens calcium homeostasis. <i>Experimental Eye Research</i> , 2014, 128, 73-82.	2.6	34
11	Dithiazole thione derivative as competitive NorA efflux pump inhibitor to curtail multi drug resistant clinical isolate of MRSA in a zebrafish infection model. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9265-9281.	3.6	26
12	Bioactive Molecule from <i>Streptomyces</i> sp. Mitigates MDR <i>Klebsiella pneumoniae</i> in Zebrafish Infection Model. <i>Frontiers in Microbiology</i> , 2017, 8, 614.	3.5	24
13	Review on fungal enzyme inhibitors – potential drug targets to manage human fungal infections. <i>RSC Advances</i> , 2016, 6, 42387-42401.	3.6	20
14	Ursolic acid inhibits colistin efflux and curtails colistin resistant Enterobacteriaceae. <i>AMB Express</i> , 2019, 9, 27.	3.0	20
15	Magnesium Ion Acts as a Signal for Capsule Induction in <i>Cryptococcus neoformans</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 325.	3.5	18
16	ASK2 Bioactive Compound Inhibits MDR <i>Klebsiella pneumoniae</i> by Antibiofilm Activity, Modulating Macrophage Cytokines and Opsonophagocytosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 346.	3.9	18
17	Amarogentin, a secoiridoid glycoside, activates AMP-activated protein kinase (AMPK) to exert beneficial vasculo-metabolic effects. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1270-1282.	2.4	18
18	Cytoprotective mechanism of action of curcumin against cataract. <i>Pharmacological Reports</i> , 2016, 68, 561-569.	3.3	17

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19	An insight on 7- ketocholesterol mediated inflammation in atherosclerosis and potential therapeutics. Steroids, 2021, 172, 108854.	1.8	17
20	Jacalin capped platinum nanoparticles confer persistent immunity against multiple Aeromonas infection in zebrafish. Scientific Reports, 2018, 8, 2200.	3.3	16
21	Remediation of textile effluents for water reuse: Decolorization and desalination using Escherichia fergusonii followed by detoxification with activated charcoal. Journal of Environmental Management, 2021, 277, 111406.	7.8	14
22	Hypoglycemic action of vitamin K1 protects against early-onset diabetic nephropathy in streptozotocin-induced rats. Nutrition, 2015, 31, 1284-1292.	2.4	11
23	Ras and Ras mutations in cancer. Open Life Sciences, 2013, 8, 609-624.	1.4	10
24	Exploration of Antifungal and Immunomodulatory Potentials of a Furanone Derivative to Rescue Disseminated Cryptococcosis in Mice. Scientific Reports, 2017, 7, 15400.	3.3	10
25	Purification and characterisation of a pronase-inducible lectin isolated from human serum. International Journal of Biological Macromolecules, 2017, 99, 443-453.	7.5	1
26	Curcumin and molecular targets in eye diseases. Studies in Natural Products Chemistry, 2019, 63, 339-356.	1.8	0
27	Predictive nanotoxicology: from nanotoxicity to nanosafety of select and commonly used nanomaterials. , 2021, , 459-477.		0