

Pachaiappan Raman

List of Publications by Year in descending order

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34
papers

993
citations

687220

13
h-index

434063

31
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35
all docs

35
docs citations

35
times ranked

1334
citing authors

#	ARTICLE	IF	CITATIONS
1	Volatile Organic Compounds as Potential Biomarkers for Noninvasive Disease Detection by Nanosensors: A Comprehensive Review. <i>Critical Reviews in Analytical Chemistry</i> , 2023, 53, 1828-1839.	1.8	14
2	Phytochemical profile of black cumin (<i>Nigella sativa</i> L.) seed oil: identification of bioactive anti-pathogenic compounds for traditional Siddha formulation. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 14683-14695.	2.9	6
3	In vitro elicitation of Camptothecin by challenging with biotic elicitors in <i>Nothapodytes nimmoniana</i> (J.Graham) Mabb. <i>South African Journal of Botany</i> , 2022, 144, 325-331.	1.2	12
4	GC - MS analysis of guttation fluids from selected crop plants. <i>Journal of Crop Improvement</i> , 2022, 36, 801-815.	0.9	5
5	Protective effect of morin by targeting mitochondrial reactive oxygen species induced by hydrogen peroxide demonstrated at a molecular level in MDCK epithelial cells. <i>Molecular Biology Reports</i> , 2022, 49, 4269-4279.	1.0	16
6	N-acyl-homoserine lactone mediated virulence factor(s) of <i>Pseudomonas aeruginosa</i> inhibited by flavonoids and isoflavonoids. <i>Process Biochemistry</i> , 2022, 116, 84-93.	1.8	13
7	Daidzein normalized gentamicin-induced nephrotoxicity and associated pro-inflammatory cytokines in MDCK and zebrafish: Possible mechanism of nephroprotection. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 258, 109364.	1.3	15
8	Syringol isolated from <i>Eleusine coracana</i> (L.) Gaertn bran suppresses inflammatory response through the down-regulation of cPLA2, COX-2, I κ B α , p38 and MPO signaling in sPLA2 induced mice paw oedema. <i>Inflammopharmacology</i> , 2022, 30, 1853-1870.	1.9	2
9	Photocatalytic degradation studies of organic dyes over novel Ag-loaded ZnO-graphene hybrid nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 148, 109689.	1.9	51
10	Transition metal ion-doped In ₂ O ₃ nanocubes: investigation of their photocatalytic degradation activity under sunlight. <i>Nanoscale Advances</i> , 2021, 3, 471-485.	2.2	27
11	Traditional Indian plants as the source of compounds to treat a respiratory viral infection. <i>International Journal of Research in Pharmaceutical Sciences</i> , 2021, 12, 446-455.	0.0	0
12	Insulin signaling pathway assessment by enhancing antioxidant activity due to morin using in vitro rat skeletal muscle L6 myotubes cells. <i>Molecular Biology Reports</i> , 2021, 48, 5857-5872.	1.0	35
13	Oxidative stress induced antioxidant and neurotoxicity demonstrated in vivo zebrafish embryo or larval model and their normalization due to morin showing therapeutic implications. <i>Life Sciences</i> , 2021, 283, 119864.	2.0	44
14	Defense involvement of piscidin from striped murrel <i>Channa striatus</i> and its peptides CsRG12 and CsLC11 involvement in an antimicrobial and antibiofilm activity. <i>Fish and Shellfish Immunology</i> , 2020, 99, 368-378.	1.6	14
15	Recent Trends in Drug Design and Discovery. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 1761-1770.	1.0	14
16	Plant-derived alkaloids as anti-viral agents. <i>International Journal of Research in Pharmaceutical Sciences</i> , 2020, 11, 6174-6182.	0.0	9
17	Isolation, purification and characterization of proteinaceous fungal I κ B α -amylase inhibitor from rhizome of <i>Cheilocostus speciosus</i> (J.Koenig) C.D.Specht. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 39-51.	3.6	5
18	A detailed study on Sn ⁴⁺ doped ZnO for enhanced photocatalytic degradation. <i>Applied Surface Science</i> , 2018, 433, 887-898.	3.1	78

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19	Modulation of quorum sensing-controlled virulence factors in <i>Chromobacterium violaceum</i> by selective amino acids. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	9
20	Scope of Pathogenesis-Related Proteins Produced by Plants in Interrupting Quorum Sensing Signaling. , 2018, , 371-395.		1
21	Applications of Quorum Sensing in Microbial Fuel Cell. , 2018, , 167-177.		2
22	Separation and identification of bioactive peptides from stem of <i>Tinospora cordifolia</i> (Willd.) Miers. <i>PLoS ONE</i> , 2018, 13, e0193717.	1.1	19
23	Isolation and characterization of α -amylase inhibitor from <i>Leucas aspera</i> (Willd) Link: α -amylase assay combined with FPLC chromatography for expedited identification. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2017, 26, 346-355.	0.9	7
24	A facile approach to the isolation of proteins in <i>Ferula asafoetida</i> and their enzyme stabilizing, anti-microbial and anti-oxidant activity. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 1211-1219.	3.6	13
25	Therapeutic effects of gold nanoparticles synthesized using <i>Musa paradisiaca</i> peel extract against multiple antibiotic resistant <i>Enterococcus faecalis</i> biofilms and human lung cancer cells (A549). <i>Microbial Pathogenesis</i> , 2017, 102, 173-183.	1.3	100
26	Bio-Inspired Green Nanoparticles: Synthesis, Mechanism, and Antibacterial Application. <i>Toxicological Research</i> , 2016, 32, 95-102.	1.1	228
27	Constitutive cyclic GMP accumulation in <i>Arabidopsis thaliana</i> compromises systemic acquired resistance induced by an avirulent pathogen by modulating local signals. <i>Scientific Reports</i> , 2016, 6, 36423.	1.6	27
28	Antibacterial and Antioxidant Activities of Green Synthesized Silver Nanoparticles Using <i>Rotala Rotundifolia</i> Plant Extracts. <i>Advanced Science, Engineering and Medicine</i> , 2016, 8, 947-953.	0.3	1
29	Simple Mass Spectrometric Method for the Estimation of Boron and Aluminum in Water at the Parts per Billion Level. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 481-486.	0.5	2
30	Isolation and identification of a novel fibrinolytic <i>Bacillus tequilensis</i> CWD-67 from dumping soils enriched with poultry wastes. <i>Journal of General and Applied Microbiology</i> , 2015, 61, 241-247.	0.4	10
31	Bioactive proteins from Solanaceae as quorum sensing inhibitors against virulence in <i>Pseudomonas aeruginosa</i> . <i>Medical Hypotheses</i> , 2015, 84, 539-542.	0.8	14
32	Greener approach for synthesis of antibacterial silver nanoparticles using aqueous solution of neem gum (<i>Azadirachta indica</i> L.). <i>Industrial Crops and Products</i> , 2015, 66, 103-109.	2.5	189
33	Effect of protein arginine methyltransferase-1 inhibition on hypoxia-induced vasoconstriction. <i>Medical Hypotheses</i> , 2015, 85, 740-743.	0.8	6
34	Coal fly ash nanoparticles induced cytotoxicity and oxidative DNA damage and apoptosis in Chang liver cells. <i>African Journal of Pharmacy and Pharmacology</i> , 2014, 8, 801-808.	0.2	4