

Pachaiappan Raman

List of Publications by Year in descending order

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34
papers

993
citations

687363

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h-index

434195

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35
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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. | 3.5 | 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. | 4.6 | 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. | 2.5 | 12 |
| 4 | GC - MS analysis of guttation fluids from selected crop plants. <i>Journal of Crop Improvement</i> , 2022, 36, 801-815. | 1.7 | 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. | 2.3 | 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. | 3.7 | 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. | 2.6 | 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. | 3.9 | 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. | 4.0 | 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. | 4.6 | 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. | 0.1 | 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. | 2.3 | 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. | 4.3 | 44 |
| 14 | Defense involvement of piscidin from striped murrell <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. | 3.6 | 14 |
| 15 | Recent Trends in Drug Design and Discovery. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 1761-1770. | 2.1 | 14 |
| 16 | Plant-derived alkaloids as anti-viral agents. <i>International Journal of Research in Pharmaceutical Sciences</i> , 2020, 11, 6174-6182. | 0.1 | 9 |
| 17 | Isolation, purification and characterization of proteinaceous fungal 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. | 7.5 | 5 |
| 18 | A detailed study on Sn 4+ doped ZnO for enhanced photocatalytic degradation. <i>Applied Surface Science</i> , 2018, 433, 887-898. | 6.1 | 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, . | 1.8 | 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. | 2.5 | 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. | 1.7 | 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. | 7.5 | 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. | 2.9 | 100 |
| 26 | Bio-Inspired Green Nanoparticles: Synthesis, Mechanism, and Antibacterial Application. <i>Toxicological Research</i> , 2016, 32, 95-102. | 2.1 | 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. | 3.3 | 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. | 1.0 | 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. | 0.7 | 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. | 1.5 | 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. | 5.2 | 189 |
| 33 | Effect of protein arginine methyltransferase-1 inhibition on hypoxia-induced vasoconstriction. <i>Medical Hypotheses</i> , 2015, 85, 740-743. | 1.5 | 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. | 0.3 | 4 |