

Palaniyandi Velusamy

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,240
citations

471061

17
h-index

525886

27
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all docs

29
docs citations

29
times ranked

1772
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Bio-Inspired Green Nanoparticles: Synthesis, Mechanism, and Antibacterial Application. <i>Toxicological Research</i> , 2016, 32, 95-102. | 1.1 | 228 |
| 2 | 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 |
| 3 | Computational evaluation of major components from plant essential oils as potent inhibitors of SARS-CoV-2 spike protein. <i>Journal of Molecular Structure</i> , 2020, 1221, 128823. | 1.8 | 125 |
| 4 | Biosynthesis of silver nanoparticles using a probiotic <i>Bacillus licheniformis</i> Dahb1 and their antibiofilm activity and toxicity effects in <i>Ceriodaphnia cornuta</i> . <i>Microbial Pathogenesis</i> , 2016, 93, 70-77. | 1.3 | 111 |
| 5 | Biological control of rice bacterial blight by plant-associated bacteria producing 2,4-diacetylphloroglucinol. <i>Canadian Journal of Microbiology</i> , 2006, 52, 56-65. | 0.8 | 88 |
| 6 | Biopolymers Regulate Silver Nanoparticle under Microwave Irradiation for Effective Antibacterial and Antibiofilm Activities. <i>PLoS ONE</i> , 2016, 11, e0157612. | 1.1 | 55 |
| 7 | Bioinspired Zinc Oxide Nanoparticles Using <i>Lycopersicon esculentum</i> for Antimicrobial and Anticancer Applications. <i>Journal of Cluster Science</i> , 2019, 30, 1465-1479. | 1.7 | 50 |
| 8 | Ciprofloxacin loaded genipin cross-linked chitosan/heparin nanoparticles for drug delivery application. <i>Materials Letters</i> , 2016, 180, 119-122. | 1.3 | 46 |
| 9 | Chitosan-coated silver nanoparticles promoted antibacterial, antibiofilm, wound-healing of murine macrophages and antiproliferation of human breast cancer MCF 7 cells. <i>Polymer Testing</i> , 2020, 90, 106675. | 2.3 | 40 |
| 10 | Preparation of cotton fabric using sodium alginate-coated nanoparticles to protect against nosocomial pathogens. <i>Biochemical Engineering Journal</i> , 2017, 117, 28-35. | 1.8 | 32 |
| 11 | Anti-methicillin Resistant <i>Staphylococcus aureus</i> Compound Isolation from Halophilic <i>Bacillus amyloliquefaciens</i> MHB1 and Determination of Its Mode of Action Using Electron Microscope and Flow Cytometry Analysis. <i>Indian Journal of Microbiology</i> , 2016, 56, 148-157. | 1.5 | 28 |
| 12 | Photovoltaic and antimicrobial potentials of electrodeposited copper nanoparticle. <i>Biochemical Engineering Journal</i> , 2019, 142, 97-104. | 1.8 | 24 |
| 13 | Phenoloxidase activation, antimicrobial, and antibiofilm properties of β -glucan binding protein from <i>Scylla serrata</i> crab hemolymph. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 864-873. | 3.6 | 22 |
| 14 | Isolation of hydroquinone (benzene-1,4-diol) metabolite from halotolerant <i>Bacillus methylotrophicus</i> MHC10 and its inhibitory activity towards bacterial pathogens. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 429-439. | 1.7 | 20 |
| 15 | Studies of antibacterial efficacy of different biopolymer protected silver nanoparticles synthesized under reflux condition. <i>Journal of Molecular Structure</i> , 2017, 1128, 718-723. | 1.8 | 20 |
| 16 | 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 |
| 17 | A pH stimuli thiol modified mesoporous silica nanoparticles: Doxorubicin carrier for cancer therapy. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 87, 264-271. | 2.7 | 18 |
| 18 | Preparation and characterization of kanamycin-chitosan nanoparticles to improve the efficacy of antibacterial activity against nosocomial pathogens. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 574-583. | 2.7 | 17 |

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|----|---|-----|-----------|
| 19 | Surface immobilization of kanamycin-chitosan nanoparticles on polyurethane ureteral stents to prevent bacterial adhesion. <i>Biofouling</i> , 2016, 32, 861-870. | 0.8 | 16 |
| 20 | Effect of naturally isolated hydroquinone in disturbing the cell membrane integrity of <i>Pseudomonas aeruginosa</i> MTCC 741 and <i>Staphylococcus aureus</i> MTCC 740. <i>Heliyon</i> , 2021, 7, e07021. | 1.4 | 16 |
| 21 | Rhizosphere Bacteria for Biocontrol of Bacterial Blight and Growth Promotion of Rice. <i>Rice Science</i> , 2013, 20, 356-362. | 1.7 | 15 |
| 22 | 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 |
| 23 | Characterization of reduced graphene oxide obtained from vacuum-assisted low-temperature exfoliated graphite. <i>Microsystem Technologies</i> , 2018, 24, 5007-5016. | 1.2 | 12 |
| 24 | 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 |
| 25 | Detection of adulterants from common edible oils by GC-MS. <i>Biomass Conversion and Biorefinery</i> , 0, , . | 2.9 | 8 |
| 26 | Surface engineered iron oxide nanoparticles as efficient materials for antibiofilm application. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 714-725. | 1.4 | 7 |
| 27 | 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 |
| 28 | 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. | 3.6 | 5 |
| 29 | Recent advances in the development of antimicrobial nanotextiles for prevention of infectious diseases transmission in healthcare workers. , 2021, , 17-26. | | 0 |