

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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29
docs citations

29
times ranked

1772
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Surface engineered iron oxide nanoparticles as efficient materials for antibiofilm application. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 714-725.	1.4	7
3	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
4	Recent advances in the development of antimicrobial nanotextiles for prevention of infectious diseases transmission in healthcare workers. , 2021, , 17-26.		0
5	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
6	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
7	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
8	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
9	Photovoltaic and antimicrobial potentials of electrodeposited copper nanoparticle. <i>Biochemical Engineering Journal</i> , 2019, 142, 97-104.	1.8	24
10	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
11	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
12	Characterization of reduced graphene oxide obtained from vacuum-assisted low-temperature exfoliated graphite. <i>Microsystem Technologies</i> , 2018, 24, 5007-5016.	1.2	12
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	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
15	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
16	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
17	Bio-Inspired Green Nanoparticles: Synthesis, Mechanism, and Antibacterial Application. <i>Toxicological Research</i> , 2016, 32, 95-102.	1.1	228
18	Biopolymers Regulate Silver Nanoparticle under Microwave Irradiation for Effective Antibacterial and Antibiofilm Activities. <i>PLoS ONE</i> , 2016, 11, e0157612.	1.1	55

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19	Ciprofloxacin loaded genipin cross-linked chitosan/heparin nanoparticles for drug delivery application. <i>Materials Letters</i> , 2016, 180, 119-122.	1.3	46
20	Surface immobilization of kanamycin-chitosan nanoparticles on polyurethane ureteral stents to prevent bacterial adhesion. <i>Biofouling</i> , 2016, 32, 861-870.	0.8	16
21	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
22	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
23	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
24	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
25	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
26	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
27	Rhizosphere Bacteria for Biocontrol of Bacterial Blight and Growth Promotion of Rice. <i>Rice Science</i> , 2013, 20, 356-362.	1.7	15
28	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
29	Detection of adulterants from common edible oils by GC-MS. <i>Biomass Conversion and Biorefinery</i> , 0, ,	2.9	8