Ravishankar Rai V

List of Publications by Year
in descending order

46	1,064	331670 21	477307 29
papers	citations	h-index	g-index

89	89	89	1441
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quorum quenching activity in cell-free lysate of endophytic bacteria isolated from Pterocarpus santalinus Linn., and its effect on quorum sensing regulated biofilm in Pseudomonas aeruginosa PAO1. Microbiological Research, 2014, 169, 561-569.	5.3	76
2	Anticancer activity of metal nanoparticles and their peptide conjugates against human colon adenorectal carcinoma cells. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1444-1451.	2.8	63
3	Attenuation of quorum-sensing-dependent virulence factors and biofilm formation by medicinal plants against antibiotic resistant Pseudomonas aeruginosa. Journal of Traditional and Complementary Medicine, 2018, 8, 170-177.	2.7	54
4	Quorum Sensing Inhibitory and Anti-Biofilm Activity of Essential Oils and Theirin vivoEfficacy in Food Systems. Food Biotechnology, 2014, 28, 269-292.	1.5	52
5	Evaluation of Antimicrobial, Enzyme Inhibitory, Antioxidant and Cytotoxic Activities of Partially Purified Volatile Metabolites of Marine Streptomyces sp.S2A. Microorganisms, 2018, 6, 72.	3.6	45
6	Inhibition of biofilm formation and quorum sensing mediated phenotypes by berberine in Pseudomonas aeruginosa and Salmonella typhimurium. RSC Advances, 2018, 8, 36133-36141.	3.6	41
7	Quorum Sensing Regulation and Inhibition of Exoenzyme Production and Biofilm Formation in the Food Spoilage BacteriaPseudomonas psychrophilaPSPF19. Food Biotechnology, 2014, 28, 293-308.	1.5	39
8	Hydrolytic enzymes and quorum sensing inhibitors from endophytic fungi of Ventilago madraspatana Gaertn. Biocatalysis and Agricultural Biotechnology, 2013, 2, 120-124.	3.1	37
9	A Review on Mycosynthesis, Mechanism, and Characterization of Silver and Gold Nanoparticles. BioNanoScience, 2018, 8, 17-31.	3.5	37
10	Attachment and biofilm formation of Pseudomonas fluorescens PSD4 isolated from a dairy processing line. Food Science and Biotechnology, 2014, 23, 1903-1910.	2.6	33
11	Rapid biosynthesis of gold nanoparticles by Staphylococcus epidermidis: Its characterisation and catalytic activity. Materials Letters, 2015, 146, 23-25.	2.6	33
12	Phytochemicals-mediated green synthesis of gold nanoparticles using Pterocarpus santalinus L. (Red Sanders) bark extract and their antimicrobial properties. Particulate Science and Technology, 2018, 36, 785-790.	2.1	32
13	In vitroantibiofilm activity ofMurraya koenigiiessential oil extracted using supercritical fluid CO₂method againstPseudomonas aeruginosaPAO1. Natural Product Research, 2015, 29, 2295-2298.	1.8	28
14	Purification and characterisation of a quorum quenching AHL-lactonase from the endophytic bacterium Enterobacter sp. CS66. FEMS Microbiology Letters, 2018, 365, .	1.8	26
15	Isolation and characterization of bioactive compounds with antibacterial, antioxidant and enzyme inhibitory activities from marine-derived rare actinobacteria, Nocardiopsis sp. SCA21. Microbial Pathogenesis, 2019, 137, 103775.	2.9	26
16	Quorum quenching activity of AiiA lactonase KMMI17 from endophytic Bacillus thuringiensis KMCL07 on AHL- mediated pathogenic phenotype in Pseudomonas aeruginosa. Microbial Pathogenesis, 2019, 132, 230-242.	2.9	26
17	Molecular identification of aiiA homologous gene from endophytic Enterobacter species and in silico analysis of putative tertiary structure of AHL-lactonase. Biochemical and Biophysical Research Communications, 2014, 443, 290-295.	2.1	25
18	Diversity and Bioactive Potential of Actinobacteria from Unexplored Regions of Western Ghats, India. Microorganisms, 2020, 8, 225.	3.6	25

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19	Inhibition of QS-regulated virulence factors in Pseudomonas aeruginosa PAO1 and Pectobacterium carotovorum by AHL-lactonase of endophytic bacterium Bacillus cereus VT96. Biocatalysis and Agricultural Biotechnology, 2016, 7, 154-163.	3.1	23
20	Biosynthesis of Gold Nanoparticles Using Extracellular Molecules Produced by Enterobacter aerogenes and their Catalytic Study. Journal of Cluster Science, 2015, 26, 1483-1494.	3.3	22
21	Effect of small chain N acyl homoserine lactone quorum sensing signals on biofilms of food-borne pathogens. Journal of Food Science and Technology, 2016, 53, 3609-3614.	2.8	21
22	Purification and antibiofilm activity of AHL-lactonase from endophytic Enterobacter aerogenes VT66. International Journal of Biological Macromolecules, 2015, 81, 1046-1052.	7.5	20
23	Isolation, characterization, and structural elucidation of 4-methoxyacetanilide from marine actinobacteria Streptomyces sp. SCA29 and evaluation of its enzyme inhibitory, antibacterial, and cytotoxic potential. Archives of Microbiology, 2019, 201, 737-746.	2.2	18
24	Culturable diversity of bacterial endophytes associated with medicinal plants of the Western Ghats, India. FEMS Microbiology Ecology, 2020, 96, .	2.7	18
25	Antifungal activity of novel indole derivative from endophytic bacteriaPantoea ananatis4G-9 againstMycosphaerella musicola. Biocontrol Science and Technology, 2016, 26, 476-491.	1.3	16
26	Study on Green Synthesis of Gold Nanoparticles and Their Potential Applications as Catalysts. Journal of Cluster Science, 2016, 27, 1307-1315.	3.3	15
27	Effect of peptide-conjugated nanoparticles on cell lines. Progress in Biomaterials, 2019, 8, 11-21.	4.5	15
28	Selenium nanostructure: Progress towards green synthesis and functionalization for biomedicine. Journal of Pharmaceutical Investigation, 2021, 51, 117-135.	5.3	15
29	Quorum sensing modulatory and biofilm inhibitory activity of Plectranthus barbatus essential oil: a novel intervention strategy. Archives of Microbiology, 2021, 203, 1767-1778.	2.2	11
30	Production of an antimicrobial cytochalasan by an endophyticChaetomium globosumHYML55 fromHypericum mysorenseand its RNA secondary structure analysis. Chemistry and Ecology, 2014, 30, 566-578.	1.6	10
31	Ethnomedicinal value of Pterocarpus santalinus (Linn. f.), a Fabaceae member. Oriental Pharmacy and Experimental Medicine, 2014, 14, 313-317.	1.2	9
32	InÂvitro evaluation of antioxidant and antibacterial activities of Rotula aquatica and Ancistrocladus heyneanus. Journal of Pharmacy Research, 2013, 6, 313-317.	0.4	8
33	Endophytic Paenibacillus amylolyticus KMCLE06 Extracted Dipicolinic Acid as Antibacterial Agent Derived via Dipicolinic Acid Synthetase Gene. Current Microbiology, 2019, 76, 178-186.	2.2	8
34	Evaluation of pharmacological properties and phenolic profile of Hypericum japonicum Thunb. from Western Ghats of India. Journal of Pharmacy Research, 2013, 7, 626-632.	0.4	6
35	Anti-HIV-1 Activity of Ellagic acid Isolated from Terminalia paniculata. Free Radicals and Antioxidants, 2016, 6, 101-108.	0.3	6
36	Diketopiperazine derivative from marine actinomycetes Nocardiopsis sp. SCA30 with antimicrobial activity against MRSA. Archives of Microbiology, 2021, 203, 6173-6181.	2.2	6

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37	Free radical scavenging activity and active metabolite profiling of endophytic fungi from Nothapodytes foetida and Hypericum mysorense. International Journal of Chemical and Analytical Science, 2013, 4, 96-101.	0.5	5
38	Endophytic Peptides - A Source of Therapeutic Agents. Current Protein and Peptide Science, 2017, 18, 284-290.	1.4	5
39	Use of aiiA gene amplification for AHL-lactonase production from endophytic bacterium Enterobacter species. International Journal of Biological Macromolecules, 2015, 72, 1013-1019.	7.5	4
40	Bioassisted Synthesis of Gold Nanoparticles from Saccharomonospora glauca: Toxicity and Biocompatibility Study. BioNanoScience, 2021, 11, 371-379.	3.5	4
41	Potent toxigenic effect of Mycosphaerella musicola on locally growing banana varieties. Phytoparasitica, 2015, 43, 295-301.	1.2	3
42	Anti-quorum sensing and biofilm inhibitory activity of Apium graveolens L. oleoresin. Journal of Food Science and Technology, 2020, 57, 2414-2422.	2.8	3
43	The Role of Nanotechnology in Medicine as Drug Delivery Agents, Therapeutics, Diagnostic and Imaging Tools. Advanced Science, Engineering and Medicine, 2014, 6, 1059-1069.	0.3	1
44	Application of Geraniolâ€“Chitosan Blend Film with Quorum Sensing Inhibitory Activity as Packaging Materials for Biofilm Control in Fresh Fruit and Vegetable. Journal of Packaging Technology and Research, 0, , .	1.5	1
45	In vitro Analysis of Super Critical CO₂ Extracted Essential Oils Against the Food-borne Pathogenic Bacteria. Journal of Biologically Active Products From Nature, 2017, 7, 452-462.	0.3	0
46	Small molecules as next generation biofilm inhibitors and anti-infective agents. ChemistrySelect, 2022, .	1.5	0