

Veera Ravi Arumugam

List of Publications by Year in descending order

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77
papers

3,541
citations

109137

35
h-index

143772

57
g-index

78
all docs

78
docs citations

78
times ranked

3439
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Inhibition of biofilm development of uropathogens by curcumin – An anti-quorum sensing agent from <i>Curcuma longa</i> . <i>Food Chemistry</i> , 2014, 148, 453-460. | 4.2 | 315 |
| 2 | Antibiofilm and quorum sensing inhibitory potential of <i>Cuminum cyminum</i> and its secondary metabolite methyl eugenol against Gram negative bacterial pathogens. <i>Food Research International</i> , 2012, 45, 85-92. | 2.9 | 272 |
| 3 | Antiquorum Sensing and Antibiofilm Potential of <i>Capparis spinosa</i> . <i>Archives of Medical Research</i> , 2011, 42, 658-668. | 1.5 | 158 |
| 4 | Evaluation of Anti-Quorum-Sensing Activity of Edible Plants and Fruits through Inhibition of the N-Acyl-Homoserine Lactone System in <i>Chromobacterium violaceum</i> and <i>Pseudomonas aeruginosa</i> . <i>Chemotherapy</i> , 2010, 56, 333-339. | 0.8 | 153 |
| 5 | Screening and evaluation of probiotics as a biocontrol agent against pathogenic <i>Vibrios</i> in marine aquaculture. <i>Letters in Applied Microbiology</i> , 2007, 45, 219-223. | 1.0 | 120 |
| 6 | Prevention of quorum-sensing-mediated biofilm development and virulence factors production in <i>Vibrio</i> spp. by curcumin. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 10177-10187. | 1.7 | 118 |
| 7 | Quinolines-Based SARS-CoV-2 3CLpro and RdRp Inhibitors and Spike-RBD-ACE2 Inhibitor for Drug-Repurposing Against COVID-19: An in silico Analysis. <i>Frontiers in Microbiology</i> , 2020, 11, 1796. | 1.5 | 115 |
| 8 | Computational discovery of putative quorum sensing inhibitors against LasR and RhIR receptor proteins of <i>Pseudomonas aeruginosa</i> . <i>Journal of Computer-Aided Molecular Design</i> , 2012, 26, 1067-1077. | 1.3 | 94 |
| 9 | Antipathogenic potential of marine <i>Bacillus</i> sp. SS4 on N-acyl-homoserine-lactone-mediated virulence factors production in <i>Pseudomonas aeruginosa</i> (PAO1). <i>Journal of Biosciences</i> , 2011, 36, 55-67. | 0.5 | 90 |
| 10 | Piper betle and its bioactive metabolite phytol mitigates quorum sensing mediated virulence factors and biofilm of nosocomial pathogen <i>Serratia marcescens</i> in vitro. <i>Journal of Ethnopharmacology</i> , 2016, 193, 592-603. | 2.0 | 90 |
| 11 | Morin inhibits biofilm production and reduces the virulence of <i>Listeria monocytogenes</i> – An in vitro and in vivo approach. <i>International Journal of Food Microbiology</i> , 2016, 237, 73-82. | 2.1 | 74 |
| 12 | Fungal Pigments: Potential Coloring Compounds for Wide Ranging Applications in Textile Dyeing. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 68. | 1.5 | 71 |
| 13 | Antibiofilm activity of <i>Vetiveria zizanioides</i> root extract against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2017, 110, 313-324. | 1.3 | 70 |
| 14 | Quorum Sensing Inhibition in <i>Pseudomonas aeruginosa</i> PAO1 by Antagonistic Compound Phenylacetic Acid. <i>Current Microbiology</i> , 2012, 65, 475-480. | 1.0 | 64 |
| 15 | In vitro and in vivo efficacy of rosmarinic acid on quorum sensing mediated biofilm formation and virulence factor production in <i>Aeromonas hydrophila</i> . <i>Biofouling</i> , 2016, 32, 1171-1183. | 0.8 | 64 |
| 16 | Inhibitory effect of marine cyanobacterial extract on biofilm formation and virulence factor production of bacterial pathogens causing vibriosis in aquaculture. <i>Journal of Applied Phycology</i> , 2016, 28, 313-324. | 1.5 | 61 |
| 17 | Exploring the Anti-quorum Sensing and Antibiofilm Efficacy of Phytol against <i>Serratia marcescens</i> Associated Acute Pyelonephritis Infection in Wistar Rats. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 498. | 1.8 | 61 |
| 18 | Fabrication of nanocomposites mediated from aluminium nanoparticles/Moringa oleifera gum activated carbon for effective photocatalytic removal of nitrate and phosphate in aqueous solution. <i>Journal of Cleaner Production</i> , 2021, 281, 124553. | 4.6 | 60 |

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|----|--|-----|-----------|
| 19 | Inhibition of quorum sensing-dependent biofilm and virulence genes expression in environmental pathogen <i>Serratia marcescens</i> by petroselinic acid. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 501-515. | 0.7 | 59 |
| 20 | Fabrication of heteroatom doped NFP-MWCNT and NFB-MWCNT nanocomposite from imidazolium ionic liquid functionalized MWCNT for antibiofilm and wound healing in Wistar rats: Synthesis, characterization, in-vitro and in-vivo studies. <i>Materials Science and Engineering C</i> , 2020, 111, 110791. | 3.8 | 57 |
| 21 | Phytosynthesized silver nanoparticles as anti-quorum sensing and antibiofilm agent against the nosocomial pathogen <i>Serratia marcescens</i> : an in vitro study. <i>Journal of Applied Microbiology</i> , 2018, 124, 1425-1440. | 1.4 | 54 |
| 22 | 2,5-Piperazinedione inhibits quorum sensing-dependent factor production in <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Basic Microbiology</i> , 2012, 52, 679-686. | 1.8 | 52 |
| 23 | In vitro and in vivo exploration of palmitic acid from <i>Synechococcus elongatus</i> as an antibiofilm agent on the survival of <i>Artemia franciscana</i> against virulent vibrios. <i>Journal of Invertebrate Pathology</i> , 2017, 150, 21-31. | 1.5 | 51 |
| 24 | In vitro activity of alpha-mangostin in killing and eradicating <i>Staphylococcus epidermidis</i> RP62A biofilms. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3349-3359. | 1.7 | 49 |
| 25 | Inhibition of Quorum Sensing and Biofilm Formation in <i>Chromobacterium violaceum</i> by Fruit Extracts of <i>Passiflora edulis</i> . <i>ACS Omega</i> , 2020, 5, 25605-25616. | 1.6 | 49 |
| 26 | Biogenic synthesis of silver nanoparticles using Piper betle aqueous extract and evaluation of its anti-quorum sensing and antibiofilm potential against uropathogens with cytotoxic effects: an in vitro and in vivo approach. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10538-10554. | 2.7 | 45 |
| 27 | In vitro and in vivo biofilm inhibitory efficacy of geraniol-cefotaxime combination against <i>Staphylococcus</i> spp.. <i>Food and Chemical Toxicology</i> , 2019, 125, 322-332. | 1.8 | 44 |
| 28 | Inhibitory efficacy of geraniol on biofilm formation and development of adaptive resistance in <i>Staphylococcus epidermidis</i> RP62A. <i>Journal of Medical Microbiology</i> , 2017, 66, 1506-1515. | 0.7 | 44 |
| 29 | Inhibition of Quorum Sensing Mediated Virulence Factors Production in Urinary Pathogen <i>Serratia marcescens</i> PS1 by Marine Sponges. <i>Indian Journal of Microbiology</i> , 2012, 52, 160-166. | 1.5 | 43 |
| 30 | In vitro and in vivo effect of 2,6-Di-tert-butyl-4-methylphenol as an antibiofilm agent against quorum sensing mediated biofilm formation of <i>Vibrio</i> spp.. <i>International Journal of Food Microbiology</i> , 2018, 281, 60-71. | 2.1 | 43 |
| 31 | In vitro antibiofilm efficacy of Piper betle against quorum sensing mediated biofilm formation of luminescent <i>Vibrio harveyi</i> . <i>Microbial Pathogenesis</i> , 2017, 110, 232-239. | 1.3 | 42 |
| 32 | Cyclic dipeptide cyclo(L-leucyl-L-prolyl) from marine <i>Bacillus amyloliquefaciens</i> mitigates biofilm formation and virulence in <i>Listeria monocytogenes</i> . <i>Pathogens and Disease</i> , 2016, 74, ftw017. | 0.8 | 41 |
| 33 | Protective effect of neglected plant <i>Diplocyclos palmatus</i> on quorum sensing mediated infection of <i>Serratia marcescens</i> and UV-A induced photoaging in model <i>Caenorhabditis elegans</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 201, 111637. | 1.7 | 40 |
| 34 | Inhibitory effect of α -mangostin on <i>Acinetobacter baumannii</i> biofilms – an in vitro study. <i>Biofouling</i> , 2018, 34, 579-593. | 0.8 | 38 |
| 35 | Deciphering the Antibacterial Mode of Action of Alpha-Mangostin on <i>Staphylococcus epidermidis</i> RP62A Through an Integrated Transcriptomic and Proteomic Approach. <i>Frontiers in Microbiology</i> , 2019, 10, 150. | 1.5 | 38 |
| 36 | Inhibitory Effect of Morin Against <i>Candida albicans</i> Pathogenicity and Virulence Factor Production: An in vitro and in vivo Approaches. <i>Frontiers in Microbiology</i> , 2020, 11, 561298. | 1.5 | 35 |

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|----|---|-----|-----------|
| 37 | The Circular RNA-miRNA Axis: A Special RNA Signature Regulatory Transcriptome as a Potential Biomarker for OSCC. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 352-361. | 2.3 | 30 |
| 38 | Inhibition of quorum sensing-mediated virulence in <i>Serratia marcescens</i> by <i>Bacillus subtilis</i> R-18. <i>Microbial Pathogenesis</i> , 2018, 120, 166-175. | 1.3 | 29 |
| 39 | Targeting quorum sensing mechanism: An alternative anti-virulent strategy for the treatment of bacterial infections. <i>South African Journal of Botany</i> , 2019, 120, 81-86. | 1.2 | 28 |
| 40 | Anti-quorum sensing potential of the mangrove <i>Rhizophora annamalayana</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 1851-1858. | 1.7 | 27 |
| 41 | Rapid biosynthesized AgNPs from <i>Gelidiella acerosa</i> aqueous extract mitigates quorum sensing mediated biofilm formation of <i>Vibrio species</i> an in vitro and in vivo approach. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27254-27268. | 2.7 | 27 |
| 42 | Antipathogenic potential of <i>Rhizophora</i> spp. against the quorum sensing mediated virulence factors production in drug resistant <i>Pseudomonas aeruginosa</i> . <i>Phytomedicine</i> , 2013, 20, 956-963. | 2.3 | 26 |
| 43 | Metal sensing-carbon dots loaded TiO ₂ -nanocomposite for photocatalytic bacterial deactivation and application in aquaculture. <i>Scientific Reports</i> , 2020, 10, 12883. | 1.6 | 26 |
| 44 | Bioremediation of hexavalent chromium-contaminated wastewater by <i>Bacillus thuringiensis</i> and <i>Staphylococcus capitis</i> isolated from tannery sediment. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 383-391. | 2.9 | 26 |
| 45 | Synergistic antibiofilm efficacy of undecanoic acid and auxins against quorum sensing mediated biofilm formation of luminescent <i>Vibrio harveyi</i> . <i>Aquaculture</i> , 2019, 498, 162-170. | 1.7 | 25 |
| 46 | Virulence targeted inhibitory effect of linalool against the exclusive uropathogen <i>Proteus mirabilis</i> . <i>Biofouling</i> , 2019, 35, 508-525. | 0.8 | 23 |
| 47 | Explication of the Potential of 2-Hydroxy-4-Methoxybenzaldehyde in Hampering Uropathogenic <i>Proteus mirabilis</i> Crystalline Biofilm and Virulence. <i>Frontiers in Microbiology</i> , 2019, 10, 2804. | 1.5 | 22 |
| 48 | Mycosynthesis of anticancer drug taxol by <i>Aspergillus oryzae</i> , an endophyte of <i>Tarenna asiatica</i> , characterization, and its activity against a human lung cancer cell line. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 24, 101525. | 1.5 | 22 |
| 49 | Methods to determine antipathogenic potential of phenolic and flavonoid compounds against urinary pathogen <i>Serratia marcescens</i> . <i>Journal of Microbiological Methods</i> , 2012, 91, 208-211. | 0.7 | 20 |
| 50 | Anti-virulence potential of 2-hydroxy-4-methoxybenzaldehyde against methicillin-resistant <i>Staphylococcus aureus</i> and its clinical isolates. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6747-6758. | 1.7 | 20 |
| 51 | Inhibition of biofilm formation and quorum sensing mediated virulence in <i>Pseudomonas aeruginosa</i> by marine sponge symbiont <i>Brevibacterium casei</i> strain Alu 1. <i>Microbial Pathogenesis</i> , 2021, 150, 104693. | 1.3 | 20 |
| 52 | Anti-inflammatory potential of myristic acid and palmitic acid synergism against systemic candidiasis in <i>Danio rerio</i> (Zebrafish). <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111043. | 2.5 | 20 |
| 53 | Biofilm inhibitory efficiency of phytol in combination with cefotaxime against nosocomial pathogen <i>Acinetobacter baumannii</i> . <i>Journal of Applied Microbiology</i> , 2018, 125, 56-71. | 1.4 | 19 |
| 54 | Selection and characterization of extracellular enzyme production by an endophytic fungi <i>Aspergillus sojae</i> and its bio-efficacy analysis against cotton leaf worm, <i>Spodoptera litura</i> . <i>Current Plant Biology</i> , 2020, 23, 100153. | 2.3 | 19 |

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|----|--|-----|-----------|
| 55 | AHL-Lactonase Producing <i>Psychrobacter</i> sp. From Palk Bay Sediment Mitigates Quorum Sensing-Mediated Virulence Production in Gram Negative Bacterial Pathogens. <i>Frontiers in Microbiology</i> , 2021, 12, 634593. | 1.5 | 18 |
| 56 | The control of microbially induced corrosion by methyl eugenol – A dietary phytochemical with quorum sensing inhibitory potential. <i>Bioelectrochemistry</i> , 2019, 128, 186-192. | 2.4 | 16 |
| 57 | Attenuation of <i>Proteus mirabilis</i> colonization and swarming motility on indwelling urinary catheter by antibiofilm impregnation: An in vitro study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111207. | 2.5 | 16 |
| 58 | Gene expressing analysis indicates the role of Pyrogallol as a novel antibiofilm and antivirulence agent against <i>Acinetobacter baumannii</i> . <i>Archives of Microbiology</i> , 2021, 203, 251-260. | 1.0 | 16 |
| 59 | Fabrication of blue fluorescent carbon quantum dots using green carbon precursor <i>Psidium guajava</i> leaf extract and its application in water treatment. <i>Carbon Letters</i> , 2022, 32, 119-129. | 3.3 | 14 |
| 60 | Culture independent characterization of bacteria associated with the mucus of the coral <i>Acropora digitifera</i> from the Gulf of Mannar. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 1399-1406. | 1.7 | 13 |
| 61 | Anti-quorum Sensing and Protective Efficacies of Naringin Against <i>Aeromonas hydrophila</i> Infection in <i>Danio rerio</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 600622. | 1.5 | 13 |
| 62 | 2-Hydroxy-4-methoxybenzaldehyde from <i>Hemidesmus indicus</i> is antagonistic to <i>Staphylococcus epidermidis</i> biofilm formation. <i>Biofouling</i> , 2020, 36, 549-563. | 0.8 | 13 |
| 63 | Evaluation of antibiofilm potential of four-domain α -amylase from <i>Streptomyces griseus</i> against exopolysaccharides (EPS) of bacterial pathogens using <i>Danio rerio</i> . <i>Archives of Microbiology</i> , 2022, 204, 243. | 1.0 | 13 |
| 64 | Curcumin from <i>Curcuma longa</i> affects the virulence of <i>Pectobacterium wasabiae</i> and <i>P. carotovorum</i> subsp. <i>carotovorum</i> via quorum sensing regulation. <i>European Journal of Plant Pathology</i> , 2016, 146, 793-806. | 0.8 | 12 |
| 65 | Tocopherol and phytol possess anti-quorum sensing mediated anti-infective behavior against <i>Vibrio campbellii</i> in aquaculture: An in vitro and in vivo study. <i>Microbial Pathogenesis</i> , 2021, 161, 105221. | 1.3 | 12 |
| 66 | <i>Hemidesmus indicus</i> , a traditional medicinal plant, targets the adherence of multidrug-resistant pathogens to form biofilms. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101338. | 1.5 | 11 |
| 67 | Marine Bacteria Is the Cell Factory to Produce Bioactive Pigments: A Prospective Pigment Source in the Ocean. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, . | 1.8 | 11 |
| 68 | Anti-proliferative and anti-migratory effects of flower-like bimetallic (Au@Pt) nanoparticles. <i>Materials Letters</i> , 2020, 267, 127491. | 1.3 | 10 |
| 69 | Sunlight-active phytol-ZnO@TiO ₂ nanocomposite for photocatalytic water remediation and bacterial-fouling control in aquaculture: A comprehensive study on safety-level assessment. <i>Water Research</i> , 2022, 212, 118081. | 5.3 | 9 |
| 70 | Inhibition of quorum-sensing-dependent phenotypic expression in <i>Serratia marcescens</i> by marine sediment <i>Bacillus</i> spp. SS4. <i>Annals of Microbiology</i> , 2012, 62, 443-447. | 1.1 | 8 |
| 71 | Green and hydrothermal assembly of reduced graphene oxide (rGO)-coated ZnO and Fe hybrid nanocomposite for the removal of nitrate and phosphate. <i>Environmental Chemistry and Ecotoxicology</i> , 2020, 2, 141-149. | 4.6 | 8 |
| 72 | In vivo protective effect of geraniol on colonization of <i>Staphylococcus epidermidis</i> in rat jugular vein catheter model. <i>Pathogens and Disease</i> , 2018, 76, . | 0.8 | 7 |

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|----|---|-----|-----------|
| 73 | Proteomic analysis deciphers the multi-targeting antivirulence activity of tannic acid in modulating the expression of MrpA, FlhD, UreR, HpmA and Nrp system in <i>Proteus mirabilis</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1175-1186. | 3.6 | 7 |
| 74 | Repurposing of Doxycycline to Hinder the Viral Replication of SARS-CoV-2: From in silico to in vitro Validation. <i>Frontiers in Microbiology</i> , 2022, 13, . | 1.5 | 4 |
| 75 | Anti-QS mediated anti-infection efficacy of probiotic culture-supernatant against <i>Vibrio campbellii</i> infection and the identification of active compounds through in vitro and in silico analyses. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 35, 102108. | 1.5 | 3 |
| 76 | Tumorigenesis and diagnostic practice applied in two oncogenic viruses: Epstein Barr virus and T-cell lymphotropic virus-1â€™ Mini review. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111974. | 2.5 | 2 |
| 77 | Quorum Sensing Inhibitors as an Alternate to Antibiotic Against Biotic Pressure Induced Bacterial Contamination in Aquaculture. <i>Environmental Science and Engineering</i> , 2021, , 283-299. | 0.1 | 1 |