Veera Ravi Arumugam

List of Publications by Year in Descending Order

76 papers	2,330 citations	27 h-index	47 g-index
78 ext. papers	2,912 ext. citations	4.6 avg, IF	5.43 L-index

#	Paper	IF	Citations
76	Sunlight-active phytol-ZnO@TiO nanocomposite for photocatalytic water remediation and bacterial-fouling control in aquaculture: A comprehensive study on safety-level assessment.. *Water Research*, **2022**, 212, 118081	12.5	1
75	Evaluation of antibiofilm potential of four-domain amylase from Streptomyces griseus against exopolysaccharides (EPS) of bacterial pathogens using Danio rerio.. *Archives of Microbiology*, **2022**, 204, 243	3	1
74	Tocopherol and phytol possess anti-quorum sensing mediated anti-infective behavior against Vibrio campbellii in aquaculture: An in vitro and in vivo study. *Microbial Pathogenesis*, **2021**, 161, 105221	3.8	0
73	AHL-Lactonase Producing sp. From Palk Bay Sediment Mitigates Quorum Sensing-Mediated Virulence Production in Gram Negative Bacterial Pathogens. *Frontiers in Microbiology*, **2021**, 12, 634593	5.7	3
72	Fabrication of nanocomposites mediated from aluminium nanoparticles/Moringa oleifera gum activated carbon for effective photocatalytic removal of nitrate and phosphate in aqueous solution. *Journal of Cleaner Production*, **2021**, 281, 124553	10.3	18
71	Gene expressing analysis indicates the role of Pyrogallol as a novel antibiofilm and antivirulence agent against Acinetobacter baumannii. *Archives of Microbiology*, **2021**, 203, 251-260	3	3
70	Quorum Sensing Inhibitors as an Alternate to Antibiotic Against Biotic Pressure Induced Bacterial Contamination in Aquaculture. *Environmental Science and Engineering*, **2021**, 283-299	0.2	
69	Inhibition of biofilm formation and quorum sensing mediated virulence in Pseudomonas aeruginosa by marine sponge symbiont Brevibacterium casei strain Alu 1. *Microbial Pathogenesis*, **2021**, 150, 104693	3.8	5
68	Anti-QS mediated anti-infection efficacy of probiotic culture-supernatant against Vibrio campbellii infection and the identification of active compounds through in vitro and in silico analyses. *Biocatalysis and Agricultural Biotechnology*, **2021**, 35, 102108	4.2	2
67	Tumorigenesis and diagnostic practice applied in two oncogenic viruses: Epstein Barr virus and T-cell lymphotropic virus-1-Mini review. *Biomedicine and Pharmacotherapy*, **2021**, 142, 111974	7.5	0
66	Bioremediation of hexavalent chromium-contaminated wastewater by Bacillus thuringiensis and Staphylococcus capitis isolated from tannery sediment. *Biomass Conversion and Biorefinery*, **2021**, 11, 383-391	2.3	2
65	Anti-inflammatory potential of myristic acid and palmitic acid synergism against systemic candidiasis in Danio rerio (Zebrafish). *Biomedicine and Pharmacotherapy*, **2021**, 133, 111043	7.5	6
64	Inhibitory Effect of Morin Against Pathogenicity and Virulence Factor Production: An and Approaches. *Frontiers in Microbiology*, **2020**, 11, 561298	5.7	16
63	Green and hydrothermal assembly of reduced graphene oxide (rGO)-coated ZnO and Fe hybrid nanocomposite for the removal of nitrate and phosphate. *Environmental Chemistry and Ecotoxicology*, **2020**, 2, 141-149	3.9	5
62	Selection and characterization of extracellular enzyme production by an endophytic fungi Aspergillus sojae and its bio-efficacy analysis against cotton leaf worm, Spodoptera litura. *Current Plant Biology*, **2020**, 23, 100153	3.3	9
61	Attenuation of Proteus mirabilis colonization and swarming motility on indwelling urinary catheter by antibiofilm impregnation: An in vitro study. *Colloids and Surfaces B: Biointerfaces*, **2020**, 194, 111207	6	5
60	2-Hydroxy-4-methoxybenzaldehyde from is antagonistic to biofilm formation. *Biofouling*, **2020**, 36, 549-563	3.3	5

59	Quinolines-Based SARS-CoV-2 3CLpro and RdRp Inhibitors and Spike-RBD-ACE2 Inhibitor for Drug-Repurposing Against COVID-19: An Analysis. *Frontiers in Microbiology*, **2020**, 11, 1796	5.7	72
58	Anti-proliferative and anti-migratory effects of flower-like bimetallic (Au@Pt) nanoparticles. *Materials Letters*, **2020**, 267, 127491	3.3	6
57	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. *Materials Science and Engineering C*, **2020**, 111, 110791	8.3	33
56	Fungal Pigments: Potential Coloring Compounds for Wide Ranging Applications in Textile Dyeing. *Journal of Fungi (Basel, Switzerland)*, **2020**, 6,	5.6	30
55	Inhibition of Quorum Sensing and Biofilm Formation in by Fruit Extracts of. *ACS Omega*, **2020**, 5, 25605-25616	3.9	12
54	Proteomic analysis deciphers the multi-targeting antivirulence activity of tannic acid in modulating the expression of MrpA, FlhD, UreR, HpmA and Nrp system in Proteus mirabilis. *International Journal of Biological Macromolecules*, **2020**, 165, 1175-1186	7.9	1
53	The Circular RNA-miRNA Axis: A Special RNA Signature Regulatory Transcriptome as a Potential Biomarker for OSCC. *Molecular Therapy - Nucleic Acids*, **2020**, 22, 352-361	10.7	11
52	Marine Bacteria Is the Cell Factory to Produce Bioactive Pigments: A Prospective Pigment Source in the Ocean. *Frontiers in Sustainable Food Systems*, **2020**, 4,	4.8	4
51	Metal sensing-carbon dots loaded TiO-nanocomposite for photocatalytic bacterial deactivation and application in aquaculture. *Scientific Reports*, **2020**, 10, 12883	4.9	8
50	Mycosynthesis of anticancer drug taxol by Aspergillus oryzae, an endophyte of Tarenna asiatica, characterization, and its activity against a human lung cancer cell line. *Biocatalysis and Agricultural Biotechnology*, **2020**, 24, 101525	4.2	11
49	Anti-quorum Sensing and Protective Efficacies of Naringin Against Infection in. *Frontiers in Microbiology*, **2020**, 11, 600622	5.7	3
48	Hemidesmus indicus, a traditional medicinal plant, targets the adherence of multidrug-resistant pathogens to form biofilms. *Biocatalysis and Agricultural Biotechnology*, **2019**, 21, 101338	4.2	8
47	Anti-virulence potential of 2-hydroxy-4-methoxybenzaldehyde against methicillin-resistant Staphylococcus aureus and its clinical isolates. *Applied Microbiology and Biotechnology*, **2019**, 103, 6747-6758	5.7	9
46	Virulence targeted inhibitory effect of linalool against the exclusive uropathogen. *Biofouling*, **2019**, 35, 508-525	3.3	14
45	The control of microbially induced corrosion by methyl eugenol - A dietary phytochemical with quorum sensing inhibitory potential. *Bioelectrochemistry*, **2019**, 128, 186-192	5.6	10
44	Deciphering the Antibacterial Mode of Action of Alpha-Mangostin on RP62A Through an Integrated Transcriptomic and Proteomic Approach. *Frontiers in Microbiology*, **2019**, 10, 150	5.7	26
43	Synergistic antibiofilm efficacy of undecanoic acid and auxins against quorum sensing mediated biofilm formation of luminescent Vibrio harveyi. *Aquaculture*, **2019**, 498, 162-170	4.4	14
42	Protective effect of neglected plant Diplocyclos palmatus on quorum sensing mediated infection of Serratia marcescens and UV-A induced photoaging in model Caenorhabditis elegans. *Journal of Photochemistry and Photobiology B: Biology*, **2019**, 201, 111637	6.7	25

41	Explication of the Potential of 2-Hydroxy-4-Methoxybenzaldehyde in Hampering Uropathogenic Crystalline Biofilm and Virulence. *Frontiers in Microbiology*, **2019**, 10, 2804	5.7	9
40	In vitro and in vivo biofilm inhibitory efficacy of geraniol-cefotaxime combination against Staphylococcus spp. *Food and Chemical Toxicology*, **2019**, 125, 322-332	4.7	27
39	Targeting quorum sensing mechanism: An alternative anti-virulent strategy for the treatment of bacterial infections. *South African Journal of Botany*, **2019**, 120, 81-86	2.9	14
38	Biofilm inhibitory efficiency of phytol in combination with cefotaxime against nosocomial pathogen Acinetobacter baumannii. *Journal of Applied Microbiology*, **2018**, 125, 56-71	4.7	15
37	Inhibition of quorum sensing-mediated virulence in Serratia marcescens by Bacillus subtilis R-18. *Microbial Pathogenesis*, **2018**, 120, 166-175	3.8	17
36	Phytosynthesized silver nanoparticles as antiquorum sensing and antibiofilm agent against the nosocomial pathogen Serratia marcescens: an in vitro study. *Journal of Applied Microbiology*, **2018**, 124, 1425-1440	4.7	35
35	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. *Environmental Science and Pollution Research*, **2018**, 25, 10538-10554	5.1	36
34	Inhibition of quorum sensing-dependent biofilm and virulence genes expression in environmental pathogen Serratia marcescens by petroselinic acid. *Antonie Van Leeuwenhoek*, **2018**, 111, 501-515	2.1	36
33	Inhibitory effect of mangostin on Acinetobacter baumannii biofilms - an in vitro study. *Biofouling*, **2018**, 34, 579-593	3.3	21
32	In vivo protective effect of geraniol on colonization of Staphylococcus epidermidis in rat jugular vein catheter model. *Pathogens and Disease*, **2018**, 76,	4.2	5
31	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 Vibrio spp. *International Journal of Food Microbiology*, **2018**, 281, 60-71	5.8	25
30	In vitro activity of alpha-mangostin in killing and eradicating Staphylococcus epidermidis RP62A biofilms. *Applied Microbiology and Biotechnology*, **2017**, 101, 3349-3359	5.7	32
29	Rapid biosynthesized AgNPs from Gelidiella acerosa aqueous extract mitigates quorum sensing mediated biofilm formation of Vibrio species-an in vitro and in vivo approach. *Environmental Science and Pollution Research*, **2017**, 24, 27254-27268	5.1	19
28	In vitro and in vivo exploration of palmitic acid from Synechococcus elongatus as an antibiofilm agent on the survival of Artemia franciscana against virulent vibrios. *Journal of Invertebrate Pathology*, **2017**, 150, 21-31	2.6	31
27	Antibiofilm activity of Vetiveria zizanioides root extract against methicillin-resistant Staphylococcus aureus. *Microbial Pathogenesis*, **2017**, 110, 313-324	3.8	39
26	In vitro antibiofilm efficacy of Piper betle against quorum sensing mediated biofilm formation of luminescent Vibrio harveyi. *Microbial Pathogenesis*, **2017**, 110, 232-239	3.8	29
25	Exploring the Anti-quorum Sensing and Antibiofilm Efficacy of Phytol against Associated Acute Pyelonephritis Infection in Wistar Rats. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 498	5.9	39
24	Inhibitory efficacy of geraniol on biofilm formation and development of adaptive resistance in Staphylococcus epidermidis RP62A. *Journal of Medical Microbiology*, **2017**, 66, 1506-1515	3.2	26

23	Inhibitory effect of marine cyanobacterial extract on biofilm formation and virulence factor production of bacterial pathogens causing vibriosis in aquaculture. *Journal of Applied Phycology*, **2016**, 28, 313-324	3.2	50
22	Morin inhibits biofilm production and reduces the virulence of Listeria monocytogenes - An in vitro and in vivo approach. *International Journal of Food Microbiology*, **2016**, 237, 73-82	5.8	56
21	In vitro and in vivo efficacy of rosmarinic acid on quorum sensing mediated biofilm formation and virulence factor production in Aeromonas hydrophila. *Biofouling*, **2016**, 32, 1171-1183	3.3	44
20	Cyclic dipeptide cyclo(l-leucyl-l-prolyl) from marine Bacillus amyloliquefaciens mitigates biofilm formation and virulence in Listeria monocytogenes. *Pathogens and Disease*, **2016**, 74, ftw017	4.2	34
19	Curcumin from Curcuma longa affects the virulence of Pectobacterium wasabiae and P. carotovorum subsp. carotovorum via quorum sensing regulation. *European Journal of Plant Pathology*, **2016**, 146, 793-806	2.1	11
18	Piper betle and its bioactive metabolite phytol mitigates quorum sensing mediated virulence factors and biofilm of nosocomial pathogen Serratia marcescens in vitro. *Journal of Ethnopharmacology*, **2016**, 193, 592-603	5	66
17	Inhibition of biofilm development of uropathogens by curcumin - an anti-quorum sensing agent from Curcuma longa. *Food Chemistry*, **2014**, 148, 453-60	8.5	238
16	Prevention of quorum-sensing-mediated biofilm development and virulence factors production in Vibrio spp. by curcumin. *Applied Microbiology and Biotechnology*, **2013**, 97, 10177-87	5.7	91
15	Anti-quorum sensing potential of the mangrove Rhizophora annamalayana. *World Journal of Microbiology and Biotechnology*, **2013**, 29, 1851-8	4.4	19
14	Antipathogenic potential of Rhizophora spp. against the quorum sensing mediated virulence factors production in drug resistant Pseudomonas aeruginosa. *Phytomedicine*, **2013**, 20, 956-63	6.5	22
13	Inhibition of quorum-sensing-dependent phenotypic expression in Serratia marcescens by marine sediment Bacillus spp. SS4. *Annals of Microbiology*, **2012**, 62, 443-447	3.2	8
12	Computational discovery of putative quorum sensing inhibitors against LasR and RhlR receptor proteins of Pseudomonas aeruginosa. *Journal of Computer-Aided Molecular Design*, **2012**, 26, 1067-77	4.2	78
11	Antibiofilm and quorum sensing inhibitory potential of Cuminum cyminum and its secondary metabolite methyl eugenol against Gram negative bacterial pathogens. *Food Research International* , **2012**, 45, 85-92	7	204
10	Methods to determine antipathogenic potential of phenolic and flavonoid compounds against urinary pathogen Serratia marcescens. *Journal of Microbiological Methods*, **2012**, 91, 208-11	2.8	16
9	Quorum sensing inhibition in Pseudomonas aeruginosa PAO1 by antagonistic compound phenylacetic acid. *Current Microbiology*, **2012**, 65, 475-80	2.4	49
8	2,5-Piperazinedione inhibits quorum sensing-dependent factor production in Pseudomonas aeruginosa PAO1. *Journal of Basic Microbiology*, **2012**, 52, 679-86	2.7	44
7	Inhibition of Quorum Sensing Mediated Virulence Factors Production in Urinary Pathogen Serratia marcescens PS1 by Marine Sponges. *Indian Journal of Microbiology*, **2012**, 52, 160-6	3.7	36
6	Antiquorum sensing and antibiofilm potential of Capparis spinosa. *Archives of Medical Research*, **2011**, 42, 658-68	6.6	125

5	Culture independent characterization of bacteria associated with the mucus of the coral Acropora digitifera from the Gulf of Mannar. *World Journal of Microbiology and Biotechnology*, **2011**, 27, 1399-406	4.4	12
4	Antipathogenic potential of marine Bacillus sp. SS4 on N-acyl-homoserine-lactone-mediated virulence factors production in Pseudomonas aeruginosa (PAO1). *Journal of Biosciences*, **2011**, 36, 55-67	2.3	72
3	Evaluation of anti-quorum-sensing activity of edible plants and fruits through inhibition of the N-acyl-homoserine lactone system in Chromobacterium violaceum and Pseudomonas aeruginosa. *Chemotherapy*, **2010**, 56, 333-9	3.2	125
2	Screening and evaluation of probiotics as a biocontrol agent against pathogenic Vibrios in marine aquaculture. *Letters in Applied Microbiology*, **2007**, 45, 219-23	2.9	96
1	Fabrication of blue fluorescent carbon quantum dots using green carbon precursor Psidium guajava leaf extract and its application in water treatment. *Carbon Letters*,1	2.3	1