Shunmugiah Karutha Pandian

List of Publications by Year
in descending order

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Version: 2024-02-01

269 papers	10,226 citations	34105 52 h-index	58581 82 g-index
278 all docs	278 docs citations	278 times ranked	10207 citing authors

#	Article	IF	Citations
1	Eugenol (an essential oil of clove) acts as an antibacterial agent against Salmonella typhi by disrupting the cellular membrane. Journal of Ethnopharmacology, 2010, 130, 107-115.	4.1	615
2	Inhibition of biofilm development of uropathogens by curcumin â€“ An anti-quorum sensing agent from Curcuma longa. Food Chemistry, 2014, 148, 453-460.	8.2	315
3	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.	6.2	272
4	Antiquorum Sensing and Antibiofilm Potential of Capparis spinosa. Archives of Medical Research, 2011, 42, 658-668.	3.3	158
5	Bioprotective properties of seaweeds: In vitro evaluation of antioxidant activity and antimicrobial activity against food borne bacteria in relation to polyphenolic content. BMC Complementary and Alternative Medicine, 2008, 8, 38.	3.7	154
6	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>. Chemotherapy, 2010, 56, 333-339.	1.6	153
7	Antibiofilm activity of coral-associated bacteria against different clinical M serotypes ofStreptococcus pyogenes. FEMS Immunology and Medical Microbiology, 2009, 57, 284-294.	2.7	148
8	The anti-biofilm potential of pomegranate (Punica granatumL.) extract against human bacterial and fungal pathogens. Biofouling, 2013, 29, 929-937.	2.2	133
9	Marine bacterial isolates inhibit biofilm formation and disrupt mature biofilms of Pseudomonas aeruginosa PAO1. Applied Microbiology and Biotechnology, 2010, 88, 341-358.	3.6	132
10	Antibiofilm Activity of Î±-Amylase from Bacillus subtilis S8-18 Against Biofilm Forming Human Bacterial Pathogens. Applied Biochemistry and Biotechnology, 2012, 167, 1778-1794.	2.9	132
11	Traditional and modern uses of onion bulb (Allium cepaL.): a systematic review. Critical Reviews in Food Science and Nutrition, 2019, 59, S39-S70.	10.3	128
12	Phenol, 2,4-bis(1,1-dimethylethyl) of marine bacterial origin inhibits quorum sensing mediated biofilm formation in the uropathogenSerratia marcescens. Biofouling, 2014, 30, 1111-1122.	2.2	127
13	Screening and evaluation of probiotics as a biocontrol agent against pathogenic Vibrios in marine aquaculture. Letters in Applied Microbiology, 2007, 45, 219-223.	2.2	120
14	Prevention of quorum-sensing-mediated biofilm development and virulence factors production in Vibrio spp. by curcumin. Applied Microbiology and Biotechnology, 2013, 97, 10177-10187.	3.6	118
15	In vitro and in vivo antibiofilm activity of a coral associated actinomycete against drug resistant Staphylococcus aureus biofilms. Biofouling, 2010, 26, 711-717.	2.2	115
16	Quinolines-Based SARS-CoV-2 3CLpro and RdRp Inhibitors and Spike-RBD-ACE2 Inhibitor for Drug-Repurposing Against COVID-19: An in silico Analysis. Frontiers in Microbiology, 2020, 11, 1796.	3.5	115
17	The role of flavonoids in autoimmune diseases: Therapeutic updates. , 2019, 194, 107-131.		113
18	Bacillus pumilus of Palk Bay origin inhibits quorum-sensing-mediated virulence factors in Gram-negative bacteria. Research in Microbiology, 2010, 161, 293-304.	2.1	110

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19	Computational discovery of putative quorum sensing inhibitors against LasR and RhlR receptor proteins of Pseudomonas aeruginosa. Journal of Computer-Aided Molecular Design, 2012, 26, 1067-1077.	2.9	94
20	Usnic acid inhibits biofilm formation and virulent morphological traits of Candida albicans. Microbiological Research, 2015, 179, 20-28.	5.3	92
21	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.	1.1	90
22	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.	4.1	90
23	Limonene inhibits streptococcal biofilm formation by targeting surface-associated virulence factors. Journal of Medical Microbiology, 2015, 64, 879-890.	1.8	88
24	Phylogenetic characterization of culturable bacterial diversity associated with the mucus and tissue of the coral Acropora digitifera from the Gulf of Mannar. FEMS Microbiology Ecology, 2009, 69, 384-394.	2.7	87
25	A novel compound from the marine bacteriumBacillus pumilusS6-15 inhibits biofilm formation in Gram-positive and Gram-negative species. Biofouling, 2011, 27, 519-528.	2.2	87
26	Biodegradation and corrosion behavior of manganese oxidizer Bacillus cereus ACE4 in diesel transporting pipeline. Corrosion Science, 2007, 49, 2694-2710.	6.6	85
27	Ethnopharmacology, Phytochemistry, and Global Distribution of Mangrovesâ€•A Comprehensive Review. Marine Drugs, 2019, 17, 231.	4.6	81
28	Gold nano particle decorated graphene core first generation PAMAM dendrimer for label free electrochemical DNA hybridization sensing. Biosensors and Bioelectronics, 2012, 31, 406-412.	10.1	79
29	Inhibition of quorum sensing regulated biofilm formation in Serratia marcescens causing nosocomial infections. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 3089-3094.	2.2	79
30	Assessment and characterization of heavy metal resistance in Palk Bay sediment bacteria. Marine Environmental Research, 2011, 71, 283-294.	2.5	78
31	Inhibition of Streptococcus pyogenes Biofilm Formation by Coral-Associated Actinomycetes. Current Microbiology, 2010, 60, 454-460.	2.2	77
32	Eugenol alters the integrity of cell membrane and acts against the nosocomial pathogen Proteus mirabilis. Archives of Pharmacal Research, 2013, 36, 282-292.	6.3	76
33	Morin inhibits biofilm production and reduces the virulence of Listeria monocytogenes â€" An in vitro and in vivo approach. International Journal of Food Microbiology, 2016, 237, 73-82.	4.7	74
34	Coral-Associated Bacteria as a Promising Antibiofilm Agent against Methicillin-Resistant and -SusceptibleStaphylococcus aureusBiofilms. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-16.	1.2	70
35	Antibiofilm activity of Vetiveria zizanioides root extract against methicillin-resistant Staphylococcus aureus. Microbial Pathogenesis, 2017, 110, 313-324.	2.9	70
36	Interference of quorum sensing in urinary pathogen Serratia marcescens by Anethum graveolens. Pathogens and Disease, 2015, 73, ftv038.	2.0	69

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37	Ethnomedicines of Indian origin for combating COVID-19 infection by hampering the viral replication: using structure-based drug discovery approach. Journal of Biomolecular Structure and Dynamics, 2021, 39, 4594-4609.	3.5	69
38	The in vitro antibiofilm activity of selected marine bacterial culture supernatants against Vibrio spp.. Archives of Microbiology, 2010, 192, 843-854.	2.2	68
39	Myrtenol Attenuates MRSA Biofilm and Virulence by Suppressing sarA Expression Dynamism. Frontiers in Microbiology, 2019, 10, 2027.	3.5	68
40	Silymarin Protection against Major Reactive Oxygen Species Released by Environmental Toxins: Exogenous H2O2Exposure in Erythrocytes. Basic and Clinical Pharmacology and Toxicology, 2007, 100, 414-419.	2.5	65
41	Transgenic indica rice cv. ADT 43 expressing a Î”1-pyrroline-5-carboxylate synthetase (P5CS) gene from Vigna aconitifolia demonstrates salt tolerance. Plant Cell, Tissue and Organ Culture, 2011, 107, 383-395.	2.3	65
42	Quorum Sensing Inhibition in Pseudomonas aeruginosa PAO1 by Antagonistic Compound Phenylacetic Acid. Current Microbiology, 2012, 65, 475-480.	2.2	64
43	Proteomic analysis reveals modulation of iron homeostasis and oxidative stress response in Pseudomonas aeruginosa PAO1 by curcumin inhibiting quorum sensing regulated virulence factors and biofilm production. Journal of Proteomics, 2016, 145, 112-126.	2.4	63
44	Neuroprotective effect of seaweeds inhabiting South Indian coastal area (Hare Island, Gulf of Mannar) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Neuroscience Letters, 2010, 468, 216-219.	2.1	62
45	A combination of ellagic acid and tetracycline inhibits biofilm formation and the associated virulence ofPropionibacterium acnes in vitroandin vivo. Biofouling, 2016, 32, 397-410.	2.2	62
46	Antibiofilm Activity of Biosurfactant Producing Coral Associated Bacteria Isolated from Gulf of Mannar. Indian Journal of Microbiology, 2014, 54, 376-382.	2.7	61
47	In vitro and in vivo antibiofilm potential of 2,4-Di- tert -butylphenol from seaweed surface associated bacterium Bacillus subtilis against group A streptococcus. Microbiological Research, 2016, 191, 19-31.	5.3	61
48	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.	2.8	61
49	Vanillic acid from Actinidia deliciosa impedes virulence in Serratia marcescens by affecting S-layer, flagellin and fatty acid biosynthesis proteins. Scientific Reports, 2017, 7, 16328.	3.3	61
50	Exploring the Anti-quorum Sensing and Antibiofilm Efficacy of Phytol against Serratia marcescens Associated Acute Pyelonephritis Infection in Wistar Rats. Frontiers in Cellular and Infection Microbiology, 2017, 7, 498.	3.9	61
51	Protective effect of silymarin on erythrocyte haemolysate against benzo(a)pyrene and exogenous reactive oxygen species (H2O2) induced oxidative stress. Chemosphere, 2007, 68, 1511-1518.	8.2	60
52	Ultradeep 16S rRNA Sequencing Analysis of Geographically Similar but Diverse Unexplored Marine Samples Reveal Varied Bacterial Community Composition. PLoS ONE, 2013, 8, e76724.	2.5	56
53	Role of Serratia marcescens ACE2 on diesel degradation and its influence on corrosion. Journal of Industrial Microbiology and Biotechnology, 2007, 34, 589-598.	3.0	54
54	Inhibitory efficacy of cyclo(l-leucyl-l-prolyl) from mangrove rhizosphere bacteriumâ€“Bacillus amyloliquefaciens (MMS-50) toward cariogenic properties of Streptococcus mutans. Research in Microbiology, 2014, 165, 278-289.	2.1	54

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55	Phytosynthesized silver nanoparticles as antiquorum sensing and antibiofilm agent against the nosocomial pathogenSerratia marcescens: aninÂvitrostudy. Journal of Applied Microbiology, 2018, 124, 1425-1440.	3.1	54
56	2,5â€Piperazinedione inhibits quorum sensingâ€dependent factor production in Pseudomonas aeruginosa PAO1. Journal of Basic Microbiology, 2012, 52, 679-686.	3.3	52
57	Synergistic Effect of Quinic Acid Derived From Syzygium cumini and Undecanoic Acid Against Candida spp. Biofilm and Virulence. Frontiers in Microbiology, 2018, 9, 2835.	3.5	52
58	Proteomic analysis uncovers the modulation of ergosterol, sphingolipid and oxidative stress pathway by myristic acid impeding biofilm and virulence in Candida albicans. Journal of Proteomics, 2019, 208, 103503.	2.4	52
59	Phylogenetic characterization of culturable actinomycetes associated with the mucus of the coral Acropora digitifera from Gulf of Mannar. FEMS Microbiology Letters, 2011, 314, 112-118.	1.8	51
60	Bacillus amyloliquefaciens-secreted cyclic dipeptide â€“ cyclo(<scp>l</scp>-leucyl-<scp>l</scp>-prolyl) inhibits biofilm and virulence production in methicillin-resistant Staphylococcus aureus. RSC Advances, 2015, 5, 95788-95804.	3.6	51
61	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.	3.2	51
62	5-Dodecanolide interferes with biofilm formation and reduces the virulence of Methicillin-resistant Staphylococcus aureus (MRSA) through up regulation of agr system. Scientific Reports, 2019, 9, 13744.	3.3	50
63	In vitro activity of alpha-mangostin in killing and eradicating Staphylococcus epidermidis RP62A biofilms. Applied Microbiology and Biotechnology, 2017, 101, 3349-3359.	3.6	49
64	In VitroandIn VivoBiofilm Characterization of Methicillin-ResistantStaphylococcus aureusfrom Patients Associated with Pharyngitis Infection. BioMed Research International, 2016, 2016, 1-14.	1.9	48
65	5-hydroxymethyl-2-furaldehyde from marine bacterium Bacillus subtilis inhibits biofilm and virulence of Candida albicans. Microbiological Research, 2018, 207, 19-32.	5.3	48
66	Palmitic Acid Inhibits the Virulence Factors of Candida tropicalis: Biofilms, Cell Surface Hydrophobicity, Ergosterol Biosynthesis, and Enzymatic Activity. Frontiers in Microbiology, 2020, 11, 864.	3.5	47
67	Hydroxytyrosol, the phenolic compound of olive oil protects human PBMC against oxidative stress and DNA damage mediated by 2,3,7,8-TCDD. Chemosphere, 2011, 84, 888-893.	8.2	46
68	Chitosan extracted from marine biowaste mitigates staphyloxanthin production and biofilms of Methicillin- resistant Staphylococcus aureus. Food and Chemical Toxicology, 2018, 118, 733-744.	3.6	46
69	Global analysis of threonine metabolism genes unravel key players in rice to improve the abiotic stress tolerance. Scientific Reports, 2018, 8, 9270.	3.3	46
70	Inhibition of Candida albicans virulence factors by novel levofloxacin derivatives. Applied Microbiology and Biotechnology, 2014, 98, 6775-6785.	3.6	45
71	Green synthesized silver nanoparticles demonstrating enhanced in vitro and in vivo antibiofilm activity against Candida spp.. Journal of Basic Microbiology, 2018, 58, 343-357.	3.3	45
72	Effect of 2, 4-di-tert-butylphenol on growth and biofilm formation by an opportunistic fungusCandida albicans. Biofouling, 2015, 31, 565-574.	2.2	44

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73	In vitro and in vivo biofilm inhibitory efficacy of geraniol-cefotaxime combination against Staphylococcus spp.. Food and Chemical Toxicology, 2019, 125, 322-332.	3.6	44
74	Piperine Impedes Biofilm Formation and Hyphal Morphogenesis of Candida albicans. Frontiers in Microbiology, 2020, 11, 756.	3.5	44
75	Promising phytochemicals of traditional Indian herbal steam inhalation therapy to combat COVID-19 â€“ An in silico study. Food and Chemical Toxicology, 2021, 148, 111966.	3.6	44
76	Inhibitory efficacy of geraniol on biofilm formation and development of adaptive resistance in Staphylococcus epidermidis RP62A. Journal of Medical Microbiology, 2017, 66, 1506-1515.	1.8	44
77	Inhibition of Quorum Sensing Mediated Virulence Factors Production in Urinary Pathogen Serratia marcescens PS1 by Marine Sponges. Indian Journal of Microbiology, 2012, 52, 160-166.	2.7	43
78	Alpha-bisabolol from brown macroalga Padina gymnospora mitigates biofilm formation and quorum sensing controlled virulence factor production in Serratia marcescens. Journal of Applied Phycology, 2016, 28, 1987-1996.	2.8	43
79	Antivirulent Properties of Underexplored Cinnamomum tamala Essential Oil and Its Synergistic Effects with DNase against Pseudomonas aeruginosa Biofilms â€“ An In Vitro Study. Frontiers in Microbiology, 2017, 8, 1144.	3.5	43
80	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.	4.7	43
81	High frequency plant regeneration from embryogenic callus of a popular indica rice (Oryza sativa L.). Physiology and Molecular Biology of Plants, 2009, 15, 371-375.	3.1	42
82	Isolation of heterotrophic bacteria from Palk Bay sediments showing heavy metal tolerance and antibiotic production. Microbiological Research, 2010, 165, 578-593.	5.3	42
83	Agrobacterium-mediated transformation of leaf base derived callus tissues of popular indica rice (Oryza sativa L. sub sp. indica cv. ADT 43). Plant Science, 2011, 181, 258-268.	3.6	42
84	In silico and in vitro studies of cinnamaldehyde and their derivatives against LuxS in Streptococcus pyogenes: effects on biofilm and virulence genes. Journal of Molecular Recognition, 2014, 27, 106-116.	2.1	41
85	Cyclic dipeptide cyclo(l-leucyl-l-prolyl) from marineBacillus amyloliquefaciensmitigates biofilm formation and virulence inListeria monocytogenes. Pathogens and Disease, 2016, 74, ftw017.	2.0	41
86	<scp>l</scp>-Ascorbyl 2,6-dipalmitate inhibits biofilm formation and virulence in methicillin-resistant Staphylococcus aureus and prevents triacylglyceride accumulation in Caenorhabditis elegans. RSC Advances, 2017, 7, 23392-23406.	3.6	40
87	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.	3.8	40
88	Impediment to growth and yeast-to-hyphae transition inCandida albicansby copper oxide nanoparticles. Biofouling, 2020, 36, 56-72.	2.2	40
89	Influence of plant growth regulators and spermidine on somatic embryogenesis and plant regeneration in four Indian genotypes of finger millet (Eleusine coracana (L.) Gaertn). Plant Cell, Tissue and Organ Culture, 2016, 124, 15-31.	2.3	39
90	Synthesis and in vitro antimicrobial evaluation of novel fluoroquinolone derivatives. European Journal of Medicinal Chemistry, 2010, 45, 6101-6105.	5.5	38

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91	Inhibitory effect of Î±-mangostin on Acinetobacter baumannii biofilms â€“ an in vitro study. Biofouling, 2018, 34, 579-593.	2.2	38
92	Deciphering the Antibacterial Mode of Action of Alpha-Mangostin on Staphylococcus epidermidis RP62A Through an Integrated Transcriptomic and Proteomic Approach. Frontiers in Microbiology, 2019, 10, 150.	3.5	38
93	covR Mediated Antibiofilm Activity of 3-Furancarboxaldehyde Increases the Virulence of Group A Streptococcus. PLoS ONE, 2015, 10, e0127210.	2.5	38
94	An Overview of Abiotic Stress in Cereal Crops: Negative Impacts, Regulation, Biotechnology and Integrated Omics. Plants, 2021, 10, 1472.	3.5	37
95	Antibiofilm and antivirulence efficacy of myrtenol enhances the antibiotic susceptibility of Acinetobacter baumannii. Scientific Reports, 2020, 10, 21975.	3.3	37
96	Silymarin protects PBMC against B(a)P induced toxicity by replenishing redox status and modulating glutathione metabolizing enzymesâ€"An in vitro study. Toxicology and Applied Pharmacology, 2010, 247, 116-128.	2.8	36
97	Anti-pathogenic Potential of Coral Associated Bacteria Isolated from Gulf of Mannar Against Pseudomonas aeruginosa. Indian Journal of Microbiology, 2013, 53, 111-113.	2.7	36
98	Plants traditionally used in age-related brain disorders (dementia): an ethanopharmacological survey. Pharmaceutical Biology, 2013, 51, 492-523.	2.9	36
99	Inhibition of quorum sensing mediated biofilm development and virulence in uropathogens by Hyptis suaveolens. Antonie Van Leeuwenhoek, 2015, 107, 1095-1106.	1.7	36
100	Cholinesterase inhibitory, anti-amyloidogenic and neuroprotective effect of the medicinal plant Grewia tiliaefolia â€“ An in vitro and in silico study. Pharmaceutical Biology, 2017, 55, 381-393.	2.9	36
101	Effects of patchouli and cinnamon essential oils on biofilm and hyphae formation by Candida species. Journal De Mycologie Medicale, 2018, 28, 332-339.	1.5	36
102	Assessment of 2,4-Di-tert-butylphenol induced modifications in extracellular polymeric substances of Serratia marcescens. Bioresource Technology, 2015, 188, 185-189.	9.6	35
103	Global proteomic analysis deciphers the mechanism of action of plant derived oleic acid against Candida albicans virulence and biofilm formation. Scientific Reports, 2020, 10, 5113.	3.3	35
104	Purification and Characterization of Manganese-Dependent Alkaline Serine. Journal of Microbiology and Biotechnology, 2011, 21, 20-27.	2.1	35
105	Caenorhabditis elegans as a model for studying Cronobacter sakazakii ATCC BAAâ€894 pathogenesis. Journal of Basic Microbiology, 2011, 51, 540-549.	3.3	34
106	Effect of seaweed liquid extracts and plant growth regulators on in vitro mass propagation of brinjal (Solanum melongena L.) through hypocotyl and leaf disc explants. Journal of Applied Phycology, 2015, 27, 993-1002.	2.8	34
107	Exploring the impacts of heavy metals on spatial variations of sediment-associated bacterial communities. Ecotoxicology and Environmental Safety, 2021, 209, 111808.	6.0	34
108	Culture dependent and independent analysis and appraisal of early stage biofilm-forming bacterial community composition in the Southern coastal seawater of India. Science of the Total Environment, 2019, 666, 308-320.	8.0	33

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109	Sapindus mukorossi Gaertn. and its bioactive metabolite oleic acid impedes methicillin-resistant Staphylococcus aureus biofilm formation by down regulating adhesion genes expression. Microbiological Research, 2021, 242, 126601.	5.3	33
110	Establishment of a Caenorhabditis elegans infection model for Vibrio alginolyticus. Journal of Basic Microbiology, 2011, 51, 243-252.	3.3	32
111	Antioxidant and anti-cholinesterase activity ofSargassum wightii. Pharmaceutical Biology, 2013, 51, 1401-1410.	2.9	32
112	Emergence of methicillin-resistant, vancomycin-intermediate Staphylococcus aureus among patients associated with group A Streptococcal pharyngitis infection in southern India. Infection, Genetics and Evolution, 2013, 14, 383-389.	2.3	32
113	Usnic acid, a lichen secondary metabolite inhibits Group A Streptococcus biofilms. Antonie Van Leeuwenhoek, 2015, 107, 263-272.	1.7	32
114	Carvacrol Targets SarA and CrtM of Methicillin-Resistant Staphylococcus aureus to Mitigate Biofilm Formation and Staphyloxanthin Synthesis: An In Vitro and In Vivo Approach. ACS Omega, 2020, 5, 31100-31114.	3.5	32
115	Staphyloxanthin inhibitory potential of thymol impairs antioxidant fitness, enhances neutrophil mediated killing and alters membrane fluidity of methicillin resistant Staphylococcus aureus. Biomedicine and Pharmacotherapy, 2021, 141, 111933.	5.6	32
116	Biofilm formation by Streptococcus pyogenes: Modulation of exopolysaccharide by fluoroquinolone derivatives. Journal of Bioscience and Bioengineering, 2011, 112, 345-350.	2.2	31
117	Assessment of Anticholinesterase Activity ofGelidiella acerosa: Implications for Its Therapeutic Potential against Alzheimerâ€™s Disease. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-8.	1.2	31
118	Evaluation of cetyltrimethylammonium bromide as a potential short-term preservative agent for stripped goat skin. World Journal of Microbiology and Biotechnology, 2009, 25, 901-907.	3.6	30
119	Cholinesterase inhibitory effects ofRhizophora lamarckii, Avicennia officinalis, Sesuvium portulacastrum and Suaeda monica:Mangroves inhabiting an Indian coastal area (Vellar Estuary). Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 702-707.	5.2	30
120	RAPD based genetic stability analysis among micropropagated, synthetic seed derived and hardened plants of Bacopa monnieri (L.): a threatened Indian medicinal herb. Acta Physiologiae Plantarum, 2011, 33, 163-171.	2.1	30
121	sarA-Dependent Antibiofilm Activity of Thymol Enhances the Antibacterial Efficacy of Rifampicin Against Staphylococcus aureus. Frontiers in Microbiology, 2020, 11, 1744.	3.5	30
122	Genetic fidelity assessment of encapsulated in vitro tissues of Bacopa monnieri after 6 months of storage by using ISSR and RAPD markers. Turkish Journal of Botany, 2013, 37, 1008-1017.	1.2	29
123	Biodegradation and corrosion behaviour of Serratia marcescens ACE2 isolated from an Indian diesel-transporting pipeline. World Journal of Microbiology and Biotechnology, 2007, 23, 1065-1074.	3.6	28
124	Silymarin attenuates benzo(a)pyrene induced toxicity by mitigating ROS production, DNA damage and calcium mediated apoptosis in peripheral blood mononuclear cells (PBMC). Ecotoxicology and Environmental Safety, 2012, 86, 79-85.	6.0	28
125	Exploration of fluoroquinolone resistance in Streptococcus pyogenes: comparative structure analysis of wildâ€type and mutant DNA gyrase. Journal of Molecular Recognition, 2013, 26, 276-285.	2.1	28
126	Rapid biosynthesized AgNPs from Gelidiella acerosa aqueous extract mitigates quorum sensing mediated biofilm formation of Vibrio speciesâ€"an in vitro and in vivo approach. Environmental Science and Pollution Research, 2017, 24, 27254-27268.	5.3	27

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127	Characterization of biofilms in different clinical M serotypes of Streptococcus pyogenes. Journal of Basic Microbiology, 2011, 51, 196-204.	3.3	26
128	Antipathogenic potential of Rhizophora spp. against the quorum sensing mediated virulence factors production in drug resistant Pseudomonas aeruginosa. Phytomedicine, 2013, 20, 956-963.	5.3	26
129	Quorum quelling efficacy of marine cyclic dipeptide -cyclo(L-leucyl-L-prolyl) against the uropathogen Serratia marcescens. Food and Chemical Toxicology, 2019, 123, 326-336.	3.6	26
130	Metal sensing-carbon dots loaded TiO2-nanocomposite for photocatalytic bacterial deactivation and application in aquaculture. Scientific Reports, 2020, 10, 12883.	3.3	26
131	Global multi-omics and systems pharmacological strategy unravel the multi-targeted therapeutic potential of natural bioactive molecules against COVID-19: An in silico approach. Genomics, 2020, 112, 4486-4504.	2.9	26
132	Agrobacterium-mediated transformation of indica rice cv. ADT 43. Plant Cell, Tissue and Organ Culture, 2012, 109, 153-165.	2.3	25
133	Halotolerant, acidâ€alkali stable, chelator resistant and raw starch digesting Î±â€amylase from a marine bacterium Bacillus subtilis S8â€“18. Journal of Basic Microbiology, 2014, 54, 802-811.	3.3	25
134	Exploring the antivirulent and sea food preservation efficacy of essential oil combined with DNase on Vibrio parahaemolyticus. LWT - Food Science and Technology, 2018, 95, 107-115.	5.2	25
135	Synergistic antibiofilm efficacy of undecanoic acid and auxins against quorum sensing mediated biofilm formation of luminescent Vibrio harveyi. Aquaculture, 2019, 498, 162-170.	3.5	25
136	Umbelliferone Impedes Biofilm Formation and Virulence of Methicillin-Resistant Staphylococcus epidermidis via Impairment of Initial Attachment and Intercellular Adhesion. Frontiers in Cellular and Infection Microbiology, 2019, 9, 357.	3.9	25
137	Changes in Caenorhabditis elegans life span and selective innate immune genes during Staphylococcus aureus infection. Folia Microbiologica, 2011, 56, 373-380.	2.3	24
138	Betulin inhibits virulence and biofilm ofStreptococcus pyogenesby suppressingropBcore regulon,sagAanddltA. Pathogens and Disease, 2016, 74, ftw088.	2.0	24
139	Proteomic profiling unveils citral modulating expression of IsaA, CodY and SaeS to inhibit biofilm and virulence in Methicillin-resistant Staphylococcus aureus. International Journal of Biological Macromolecules, 2020, 158, 208-221.	7.5	24
140	Analysis of Shigella flexneri-mediated infections in model organism Caenorhabditis elegans. Scandinavian Journal of Infectious Diseases, 2011, 43, 286-295.	1.5	23
141	Effects of cefotaxime, amino acids and carbon source on somatic embryogenesis and plant regeneration in four Indian genotypes of foxtail millet (Setaria italica L.). In Vitro Cellular and Developmental Biology - Plant, 2016, 52, 140-153.	2.1	23
142	Analysis of genetic variation in sorghum (Sorghum bicolor (L.) Moench) genotypes with various agronomical traits using SPAR methods. Gene, 2016, 576, 581-585.	2.2	23
143	Betulin inhibits cariogenic properties of Streptococcus mutans by targeting vicRK and gtf genes. Antonie Van Leeuwenhoek, 2017, 110, 153-165.	1.7	23
144	Virulence targeted inhibitory effect of linalool against the exclusive uropathogenProteus mirabilis. Biofouling, 2019, 35, 508-525.	2.2	23

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145	The effect of different antibiotics on the elimination of Agrobacterium and high frequency Agrobacterium-mediated transformation of indica rice (Oryza sativa L.). Czech Journal of Genetics and Plant Breeding, 2012, 48, 120-130.	0.8	22
146	2-Furaldehyde diethyl acetal from tender coconut water (Cocos nucifera) attenuates biofilm formation and quorum sensing-mediated virulence ofChromobacterium violaceumandPseudomonas aeruginosa. Biofouling, 2015, 31, 721-733.	2.2	22
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