

Shunmugiah Karutha Pandian

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269 papers	7,126 citations	44 h-index	69 g-index
278 ext. papers	8,747 ext. citations	4.2 avg, IF	6.54 L-index

#	Paper	IF	Citations
269	Eugenol (an essential oil of clove) acts as an antibacterial agent against <i>Salmonella typhi</i> by disrupting the cellular membrane. <i>Journal of Ethnopharmacology</i> , 2010 , 130, 107-15	5	445
268	Inhibition of biofilm development of uropathogens by curcumin - an anti-quorum sensing agent from <i>Curcuma longa</i> . <i>Food Chemistry</i> , 2014 , 148, 453-60	8.5	238
267	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	7	204
266	Antiquorum sensing and antibiofilm potential of <i>Capparis spinosa</i> . <i>Archives of Medical Research</i> , 2011 , 42, 658-68	6.6	125
265	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, 333-9	3.2	125
264	Antibiofilm activity of coral-associated bacteria against different clinical M serotypes of <i>Streptococcus pyogenes</i> . <i>FEMS Immunology and Medical Microbiology</i> , 2009 , 57, 284-94		123
263	Bioprotective properties of seaweeds: in vitro evaluation of antioxidant activity and antimicrobial activity against food borne bacteria in relation to polyphenolic content. <i>BMC Complementary and Alternative Medicine</i> , 2008 , 8, 38	4.7	115
262	The anti-biofilm potential of pomegranate (<i>Punica granatum</i> L.) extract against human bacterial and fungal pathogens. <i>Biofouling</i> , 2013 , 29, 929-37	3.3	98
261	In vitro and in vivo antibiofilm activity of a coral associated actinomycete against drug resistant <i>Staphylococcus aureus</i> biofilms. <i>Biofouling</i> , 2010 , 26, 711-7	3.3	98
260	Phenol, 2,4-bis(1,1-dimethylethyl) of marine bacterial origin inhibits quorum sensing mediated biofilm formation in the uropathogen <i>Serratia marcescens</i> . <i>Biofouling</i> , 2014 , 30, 1111-22	3.3	96
259	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, 219-23	2.9	96
258	Antibiofilm activity of α -amylase from <i>Bacillus subtilis</i> S8-18 against biofilm forming human bacterial pathogens. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 1778-94	3.2	93
257	Marine bacterial isolates inhibit biofilm formation and disrupt mature biofilms of <i>Pseudomonas aeruginosa</i> PAO1. <i>Applied Microbiology and Biotechnology</i> , 2010 , 88, 341-58	5.7	92
256	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, 10177-87	5.7	91
255	<i>Bacillus pumilus</i> of Palk Bay origin inhibits quorum-sensing-mediated virulence factors in Gram-negative bacteria. <i>Research in Microbiology</i> , 2010 , 161, 293-304	4	86
254	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, 1067-77	4.2	78
253	A novel compound from the marine bacterium <i>Bacillus pumilus</i> S6-15 inhibits biofilm formation in gram-positive and gram-negative species. <i>Biofouling</i> , 2011 , 27, 519-28	3.3	77

252	Quinolines-Based SARS-CoV-2 3CLpro and RdRp Inhibitors and Spike-RBD-ACE2 Inhibitor for Drug-Repurposing Against COVID-19: An Analysis. <i>Frontiers in Microbiology</i> , 2020 , 11, 1796	5.7	72
251	Gold nano particle decorated graphene core first generation PAMAM dendrimer for label free electrochemical DNA hybridization sensing. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 406-12	11.8	72
250	Antipathogenic potential of marine Bacillus sp. SS4 on N-acyl-homoserine-lactone-mediated virulence factors production in Pseudomonas aeruginosa (PAO1). <i>Journal of Biosciences</i> , 2011 , 36, 55-67	2.3	72
249	Biodegradation and corrosion behavior of manganese oxidizer Bacillus cereus ACE4 in diesel transporting pipeline. <i>Corrosion Science</i> , 2007 , 49, 2694-2710	6.8	71
248	Phylogenetic characterization of culturable bacterial diversity associated with the mucus and tissue of the coral Acropora digitifera from the Gulf of Mannar. <i>FEMS Microbiology Ecology</i> , 2009 , 69, 384-94	4.3	70
247	The role of flavonoids in autoimmune diseases: Therapeutic updates. <i>Pharmacology & Therapeutics</i> , 2019 , 194, 107-131	13.9	70
246	Usnic acid inhibits biofilm formation and virulent morphological traits of Candida albicans. <i>Microbiological Research</i> , 2015 , 179, 20-8	5.3	68
245	Inhibition of Streptococcus pyogenes biofilm formation by coral-associated actinomycetes. <i>Current Microbiology</i> , 2010 , 60, 454-60	2.4	68
244	Traditional and modern uses of onion bulb (L.): a systematic review. <i>Critical Reviews in Food Science and Nutrition</i> , 2019 , 59, S39-S70	11.5	66
243	Piper betle and its bioactive metabolite phytol mitigates quorum sensing mediated virulence factors and biofilm of nosocomial pathogen Serratia marcescens in vitro. <i>Journal of Ethnopharmacology</i> , 2016 , 193, 592-603	5	66
242	Limonene inhibits streptococcal biofilm formation by targeting surface-associated virulence factors. <i>Journal of Medical Microbiology</i> , 2015 , 64, 879-890	3.2	62
241	Silymarin protection against major reactive oxygen species released by environmental toxins: exogenous H ₂ O ₂ exposure in erythrocytes. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007 , 100, 414-9	3.1	57
240	Morin inhibits biofilm production and reduces the virulence of Listeria monocytogenes - An in vitro and in vivo approach. <i>International Journal of Food Microbiology</i> , 2016 , 237, 73-82	5.8	56
239	Inhibition of quorum sensing regulated biofilm formation in Serratia marcescens causing nosocomial infections. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 3089-94	2.9	55
238	The in vitro antibiofilm activity of selected marine bacterial culture supernatants against Vibrio spp. <i>Archives of Microbiology</i> , 2010 , 192, 843-54	3	53
237	Protective effect of silymarin on erythrocyte haemolysate against benzo(a)pyrene and exogenous reactive oxygen species (H ₂ O ₂) induced oxidative stress. <i>Chemosphere</i> , 2007 , 68, 1511-8	8.4	53
236	Eugenol alters the integrity of cell membrane and acts against the nosocomial pathogen Proteus mirabilis. <i>Archives of Pharmacal Research</i> , 2013 , 36, 282-92	6.1	52
235	Ultradeep 16S rRNA sequencing analysis of geographically similar but diverse unexplored marine samples reveal varied bacterial community composition. <i>PLoS ONE</i> , 2013 , 8, e76724	3.7	51

234	Assessment and characterization of heavy metal resistance in Palk Bay sediment bacteria. <i>Marine Environmental Research</i> , 2011 , 71, 283-94	3.3	51
233	Coral-Associated Bacteria as a Promising Antibiofilm Agent against Methicillin-Resistant and -Susceptible <i>Staphylococcus aureus</i> Biofilms. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012 , 2012, 862374	2.3	51
232	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	3.2	50
231	Transgenic indica rice cv. ADT 43 expressing a δ -pyrroline-5-carboxylate synthetase (P5CS) gene from <i>Vigna aconitifolia</i> demonstrates salt tolerance. <i>Plant Cell, Tissue and Organ Culture</i> , 2011 , 107, 383-395	2.7	50
230	Ethnopharmacology, Phytochemistry, and Global Distribution of Mangroves-A Comprehensive Review. <i>Marine Drugs</i> , 2019 , 17,	6	49
229	Antibiofilm activity of biosurfactant producing coral associated bacteria isolated from gulf of mannar. <i>Indian Journal of Microbiology</i> , 2014 , 54, 376-82	3.7	49
228	Quorum sensing inhibition in <i>Pseudomonas aeruginosa</i> PAO1 by antagonistic compound phenylacetic acid. <i>Current Microbiology</i> , 2012 , 65, 475-80	2.4	49
227	Neuroprotective effect of seaweeds inhabiting South Indian coastal area (Hare Island, Gulf of Mannar Marine Biosphere Reserve): Cholinesterase inhibitory effect of <i>Hypnea valentiae</i> and <i>Ulva reticulata</i> . <i>Neuroscience Letters</i> , 2010 , 468, 216-9	3.3	49
226	A combination of ellagic acid and tetracycline inhibits biofilm formation and the associated virulence of <i>Propionibacterium acnes</i> in vitro and in vivo. <i>Biofouling</i> , 2016 , 32, 397-410	3.3	45
225	2,5-Piperazinedione inhibits quorum sensing-dependent factor production in <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Basic Microbiology</i> , 2012 , 52, 679-86	2.7	44
224	Inhibitory efficacy of cyclo(L-leucyl-L-prolyl) from mangrove rhizosphere bacterium-Bacillus amyloliquefaciens (MMS-50) toward cariogenic properties of <i>Streptococcus mutans</i> . <i>Research in Microbiology</i> , 2014 , 165, 278-89	4	43
223	Proteomic analysis reveals modulation of iron homeostasis and oxidative stress response in <i>Pseudomonas aeruginosa</i> PAO1 by curcumin inhibiting quorum sensing regulated virulence factors and biofilm production. <i>Journal of Proteomics</i> , 2016 , 145, 112-126	3.9	43
222	Interference of quorum sensing in urinary pathogen <i>Serratia marcescens</i> by <i>Anethum graveolens</i> . <i>Pathogens and Disease</i> , 2015 , 73, ftv038	4.2	42
221	Role of <i>Serratia marcescens</i> ACE2 on diesel degradation and its influence on corrosion. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2007 , 34, 589-98	4.2	42
220	Vanillic acid from <i>Actinidia deliciosa</i> impedes virulence in <i>Serratia marcescens</i> by affecting S-layer, flagellin and fatty acid biosynthesis proteins. <i>Scientific Reports</i> , 2017 , 7, 16328	4.9	40
219	Phylogenetic characterization of culturable actinomycetes associated with the mucus of the coral <i>Acropora digitifera</i> from Gulf of Mannar. <i>FEMS Microbiology Letters</i> , 2011 , 314, 112-8	2.9	40
218	Antibiofilm activity of <i>Vetiveria zizanioides</i> root extract against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2017 , 110, 313-324	3.8	39
217	Exploring the Anti-quorum Sensing and Antibiofilm Efficacy of Phytol against Associated Acute Pyelonephritis Infection in Wistar Rats. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 498	5.9	39

216	Synergistic Effect of Quinic Acid Derived From and Undecanoic Acid Against spp. Biofilm and Virulence. <i>Frontiers in Microbiology</i> , 2018 , 9, 2835	5.7	39
215	Inhibition of <i>Candida albicans</i> virulence factors by novel levofloxacin derivatives. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 6775-85	5.7	37
214	5-Dodecanolide interferes with biofilm formation and reduces the virulence of Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) through up regulation of agr system. <i>Scientific Reports</i> , 2019 , 9, 13744	4.9	36
213	Ethnomedicines of Indian origin for combating COVID-19 infection by hampering the viral replication: using structure-based drug discovery approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 4594-4609	3.6	36
212	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, 160-6	3.7	36
211	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	4.7	35
210	Proteomic analysis uncovers the modulation of ergosterol, sphingolipid and oxidative stress pathway by myristic acid impeding biofilm and virulence in <i>Candida albicans</i> . <i>Journal of Proteomics</i> , 2019 , 208, 103503	3.9	34
209	Myrtenol Attenuates MRSA Biofilm and Virulence by Suppressing Expression Dynamism. <i>Frontiers in Microbiology</i> , 2019 , 10, 2027	5.7	34
208	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	4.2	34
207	Influence of plant growth regulators and spermidine on somatic embryogenesis and plant regeneration in four Indian genotypes of finger millet (<i>Eleusine coracana</i> (L.) Gaertn). <i>Plant Cell, Tissue and Organ Culture</i> , 2016 , 124, 15-31	2.7	34
206	Hydroxytyrosol, the phenolic compound of olive oil protects human PBMC against oxidative stress and DNA damage mediated by 2,3,7,8-TCDD. <i>Chemosphere</i> , 2011 , 84, 888-93	8.4	34
205	Synthesis and in vitro antimicrobial evaluation of novel fluoroquinolone derivatives. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 6101-5	6.8	33
204	Isolation of heterotrophic bacteria from Palk Bay sediments showing heavy metal tolerance and antibiotic production. <i>Microbiological Research</i> , 2010 , 165, 578-93	5.3	33
203	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	5.7	32
202	In vitro and in vivo antibiofilm potential of 2,4-Di-tert-butylphenol from seaweed surface associated bacterium <i>Bacillus subtilis</i> against group A streptococcus. <i>Microbiological Research</i> , 2016 , 191, 19-31	5.3	32
201	<i>Bacillus amyloliquefaciens</i> -secreted cyclic dipeptide [cyclo(L-leucyl-L-prolyl)] inhibits biofilm and virulence production in methicillin-resistant <i>Staphylococcus aureus</i> . <i>RSC Advances</i> , 2015 , 5, 95788-95804	3.7	31
200	Alpha-bisabolol from brown macroalga <i>Padina gymnospora</i> mitigates biofilm formation and quorum sensing controlled virulence factor production in <i>Serratia marcescens</i> . <i>Journal of Applied Phycology</i> , 2016 , 28, 1987-1996	3.2	31
199	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	2.6	31

198	In silico and in vitro studies of cinnamaldehyde and their derivatives against LuxS in <i>Streptococcus pyogenes</i> : effects on biofilm and virulence genes. <i>Journal of Molecular Recognition</i> , 2014 , 27, 106-16	2.6	30
197	Plants traditionally used in age-related brain disorders (dementia): an ethnopharmacological survey. <i>Pharmaceutical Biology</i> , 2013 , 51, 492-523	3.8	30
196	<i>Caenorhabditis elegans</i> as a model for studying <i>Cronobacter sakazakii</i> ATCC BAA-894 pathogenesis. <i>Journal of Basic Microbiology</i> , 2011 , 51, 540-9	2.7	30
195	and Biofilm Characterization of Methicillin-Resistant from Patients Associated with Pharyngitis Infection. <i>BioMed Research International</i> , 2016 , 2016, 1289157	3	30
194	Global analysis of threonine metabolism genes unravel key players in rice to improve the abiotic stress tolerance. <i>Scientific Reports</i> , 2018 , 8, 9270	4.9	29
193	Antivirulent Properties of Underexplored Essential Oil and Its Synergistic Effects with DNase against Biofilms - An Study. <i>Frontiers in Microbiology</i> , 2017 , 8, 1144	5.7	29
192	Inhibition of quorum sensing mediated biofilm development and virulence in uropathogens by <i>Hyptis suaveolens</i> . <i>Antonie Van Leeuwenhoek</i> , 2015 , 107, 1095-106	2.1	29
191	Silymarin protects PBMC against B(a)P induced toxicity by replenishing redox status and modulating glutathione metabolizing enzymes--an in vitro study. <i>Toxicology and Applied Pharmacology</i> , 2010 , 247, 116-28	4.6	29
190	Effect of seaweed liquid extracts and plant growth regulators on in vitro mass propagation of brinjal (<i>Solanum melongena</i> L.) through hypocotyl and leaf disc explants. <i>Journal of Applied Phycology</i> , 2015 , 27, 993-1002	3.2	28
189	<i>Agrobacterium</i> -mediated transformation of leaf base derived callus tissues of popular indica rice (<i>Oryza sativa</i> L. sub sp. indica cv. ADT 43). <i>Plant Science</i> , 2011 , 181, 258-68	5.3	28
188	High frequency plant regeneration from embryogenic callus of a popular indica rice (<i>Oryza sativa</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2009 , 15, 371-5	2.8	28
187	Purification and characterization of manganese-dependent alkaline serine protease from <i>Bacillus pumilus</i> TMS55. <i>Journal of Microbiology and Biotechnology</i> , 2011 , 21, 20-7	3.3	28
186	5-hydroxymethyl-2-furaldehyde from marine bacterium <i>Bacillus subtilis</i> inhibits biofilm and virulence of <i>Candida albicans</i> . <i>Microbiological Research</i> , 2018 , 207, 19-32	5.3	28
185	Effect of 2, 4-di-tert-butylphenol on growth and biofilm formation by an opportunistic fungus <i>Candida albicans</i> . <i>Biofouling</i> , 2015 , 31, 565-74	3.3	27
184	Green synthesized silver nanoparticles demonstrating enhanced in vitro and in vivo antibiofilm activity against <i>Candida</i> spp. <i>Journal of Basic Microbiology</i> , 2018 , 58, 343-357	2.7	27
183	Assessment of Anticholinesterase Activity of <i>Gelidiella acerosa</i> : Implications for Its Therapeutic Potential against Alzheimer's Disease. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012 , 2012, 497242	2.3	27
182	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	4.7	27
181	L-Ascorbyl 2,6-dipalmitate inhibits biofilm formation and virulence in methicillin-resistant <i>Staphylococcus aureus</i> and prevents triacylglyceride accumulation in <i>Caenorhabditis elegans</i> . <i>RSC Advances</i> , 2017 , 7, 23392-23406	3.7	26

180	Deciphering the Antibacterial Mode of Action of Alpha-Mangostin on RP62A Through an Integrated Transcriptomic and Proteomic Approach. <i>Frontiers in Microbiology</i> , 2019 , 10, 150	5.7	26
179	Usnic acid, a lichen secondary metabolite inhibits Group A Streptococcus biofilms. <i>Antonie Van Leeuwenhoek</i> , 2015 , 107, 263-72	2.1	26
178	Biofilm formation by Streptococcus pyogenes: modulation of exopolysaccharide by fluoroquinolone derivatives. <i>Journal of Bioscience and Bioengineering</i> , 2011 , 112, 345-50	3.3	26
177	Evaluation of cetyltrimethylammonium bromide as a potential short-term preservative agent for stripped goat skin. <i>World Journal of Microbiology and Biotechnology</i> , 2009 , 25, 901-907	4.4	26
176	Cholinesterase inhibitory effects of Rhizophora lamarckii, Avicennia officinalis, Sesuvium portulacastrum and Suaeda monica: Mangroves inhabiting an Indian coastal area (Vellar Estuary). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009 , 24, 702-7	5.6	26
175	Inhibitory efficacy of geraniol on biofilm formation and development of adaptive resistance in Staphylococcus epidermidis RP62A. <i>Journal of Medical Microbiology</i> , 2017 , 66, 1506-1515	3.2	26
174	Cholinesterase inhibitory, anti-amyloidogenic and neuroprotective effect of the medicinal plant Grewia tiliaefolia - An in vitro and in silico study. <i>Pharmaceutical Biology</i> , 2017 , 55, 381-393	3.8	25
173	Chitosan extracted from marine biowaste mitigates staphyloxanthin production and biofilms of Methicillin- resistant Staphylococcus aureus. <i>Food and Chemical Toxicology</i> , 2018 , 118, 733-744	4.7	25
172	Protective effect of neglected plant Diplocyclos palmatus on quorum sensing mediated infection of Serratia marcescens and UV-A induced photoaging in model Caenorhabditis elegans. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 201, 111637	6.7	25
171	Antioxidant and anti-cholinesterase activity of Sargassum wightii. <i>Pharmaceutical Biology</i> , 2013 , 51, 1401-1410	5.80	25
170	Silymarin attenuates benzo(a)pyrene induced toxicity by mitigating ROS production, DNA damage and calcium mediated apoptosis in peripheral blood mononuclear cells (PBMC). <i>Ecotoxicology and Environmental Safety</i> , 2012 , 86, 79-85	7	25
169	Establishment of a Caenorhabditis elegans infection model for Vibrio alginolyticus. <i>Journal of Basic Microbiology</i> , 2011 , 51, 243-52	2.7	25
168	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. <i>International Journal of Food Microbiology</i> , 2018 , 281, 60-71	5.8	25
167	Effects of patchouli and cinnamon essential oils on biofilm and hyphae formation by Candida species. <i>Journal De Mycologie Medicale</i> , 2018 , 28, 332-339	3	24
166	Emergence of methicillin-resistant, vancomycin-intermediate Staphylococcus aureus among patients associated with group A Streptococcal pharyngitis infection in southern India. <i>Infection, Genetics and Evolution</i> , 2013 , 14, 383-9	4.5	24
165	Changes in Caenorhabditis elegans life span and selective innate immune genes during Staphylococcus aureus infection. <i>Folia Microbiologica</i> , 2011 , 56, 373-80	2.8	23
164	RAPD based genetic stability analysis among micropropagated, synthetic seed derived and hardened plants of Bacopa monnieri (L.): a threatened Indian medicinal herb. <i>Acta Physiologiae Plantarum</i> , 2011 , 33, 163-171	2.6	23
163	covR Mediated Antibiofilm Activity of 3-Furancarboxaldehyde Increases the Virulence of Group A Streptococcus. <i>PLoS ONE</i> , 2015 , 10, e0127210	3.7	23

162	Antipathogenic potential of Rhizophora spp. against the quorum sensing mediated virulence factors production in drug resistant Pseudomonas aeruginosa. <i>Phytomedicine</i> , 2013 , 20, 956-63	6.5	22
161	Assessment of 2,4-Di-tert-butylphenol induced modifications in extracellular polymeric substances of Serratia marcescens. <i>Bioresource Technology</i> , 2015 , 188, 185-9	11	22
160	Exploration of fluoroquinolone resistance in Streptococcus pyogenes: comparative structure analysis of wild-type and mutant DNA gyrase. <i>Journal of Molecular Recognition</i> , 2013 , 26, 276-85	2.6	22
159	Characterization of biofilms in different clinical M serotypes of Streptococcus pyogenes. <i>Journal of Basic Microbiology</i> , 2011 , 51, 196-204	2.7	22
158	Piperine Impedes Biofilm Formation and Hyphal Morphogenesis of. <i>Frontiers in Microbiology</i> , 2020 , 11, 756	5.7	21
157	Inhibitory effect of Emangostin on Acinetobacter baumannii biofilms - an in vitro study. <i>Biofouling</i> , 2018 , 34, 579-593	3.3	21
156	Agrobacterium-mediated transformation of indica rice cv. ADT 43. <i>Plant Cell, Tissue and Organ Culture</i> , 2012 , 109, 153-165	2.7	21
155	Regulation of Caenorhabditis elegans and Pseudomonas aeruginosa machinery during interactions. <i>Archives of Microbiology</i> , 2012 , 194, 229-42	3	21
154	Genetic fidelity assessment of encapsulated in vitro tissues of Bacopa monnieri after 6 months of storage by using ISSR and RAPD markers. <i>Turkish Journal of Botany</i> , 2013 , 37, 1008-1017	1.3	20
153	Analysis of Shigella flexneri-mediated infections in model organism Caenorhabditis elegans. <i>Scandinavian Journal of Infectious Diseases</i> , 2011 , 43, 286-95		20
152	Rapid biosynthesized AgNPs from Gelidiella acerosa aqueous extract mitigates quorum sensing mediated biofilm formation of Vibrio species-an in vitro and in vivo approach. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 27254-27268	5.1	19
151	Essential oils from commercial and wild Patchouli modulate Group A Streptococcal biofilms. <i>Industrial Crops and Products</i> , 2015 , 69, 180-186	5.9	19
150	Biofouling Control by Quorum Quenching 2015 , 431-440		19
149	Biodegradation and corrosion behaviour of Serratia marcescens ACE2 isolated from an Indian diesel-transporting pipeline. <i>World Journal of Microbiology and Biotechnology</i> , 2007 , 23, 1065-1074	4.4	19
148	Culture dependent and independent analysis and appraisal of early stage biofilm-forming bacterial community composition in the Southern coastal seawater of India. <i>Science of the Total Environment</i> , 2019 , 666, 308-320	10.2	18
147	Palmitic Acid Inhibits the Virulence Factors of : Biofilms, Cell Surface Hydrophobicity, Ergosterol Biosynthesis, and Enzymatic Activity. <i>Frontiers in Microbiology</i> , 2020 , 11, 864	5.7	18
146	Global proteomic analysis deciphers the mechanism of action of plant derived oleic acid against Candida albicans virulence and biofilm formation. <i>Scientific Reports</i> , 2020 , 10, 5113	4.9	18
145	Impediment to growth and yeast-to-hyphae transition in by copper oxide nanoparticles. <i>Biofouling</i> , 2020 , 36, 56-72	3.3	18

144	Effects of cefotaxime, amino acids and carbon source on somatic embryogenesis and plant regeneration in four Indian genotypes of foxtail millet (<i>Setaria italica</i> L.). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2016 , 52, 140-153	2.3	18
143	Halotolerant, acid-alkali stable, chelator resistant and raw starch digesting α -amylase from a marine bacterium <i>Bacillus subtilis</i> S8-18. <i>Journal of Basic Microbiology</i> , 2014 , 54, 802-11	2.7	18
142	Betulin inhibits cariogenic properties of <i>Streptococcus mutans</i> by targeting vicRK and gtf genes. <i>Antonie Van Leeuwenhoek</i> , 2017 , 110, 153-165	2.1	17
141	Global multi-omics and systems pharmacological strategy unravel the multi-targeted therapeutic potential of natural bioactive molecules against COVID-19: An in silico approach. <i>Genomics</i> , 2020 , 112, 4486-4504	4.3	17
140	Betulin inhibits virulence and biofilm of <i>Streptococcus pyogenes</i> by suppressing ropB core regulon, sagA and dltA. <i>Pathogens and Disease</i> , 2016 , 74,	4.2	17
139	Promising phytochemicals of traditional Indian herbal steam inhalation therapy to combat COVID-19 - An in silico study. <i>Food and Chemical Toxicology</i> , 2021 , 148, 111966	4.7	17
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