

Liang Yang

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177
papers

7,642
citations

46
h-index

83
g-index

190
ext. papers

9,248
ext. citations

7.3
avg, IF

5.77
L-index

#	Paper	IF	Citations
177	A characterization of DNA release in <i>Pseudomonas aeruginosa</i> cultures and biofilms. <i>Molecular Microbiology</i> , 2006 , 59, 1114-28	4.1	719
176	Role of autolysin-mediated DNA release in biofilm formation of <i>Staphylococcus epidermidis</i> . <i>Microbiology (United Kingdom)</i> , 2007 , 153, 2083-2092	2.9	344
175	Open-source genomic analysis of Shiga-toxin-producing <i>E. coli</i> O104:H4. <i>New England Journal of Medicine</i> , 2011 , 365, 718-24	59.2	340
174	Roles of type IV pili, flagellum-mediated motility and extracellular DNA in the formation of mature multicellular structures in <i>Pseudomonas aeruginosa</i> biofilms. <i>Environmental Microbiology</i> , 2008 , 10, 2331-43	5.2	276
173	Effects of antibiotics on quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 3648-63	5.9	262
172	Effects of iron on DNA release and biofilm development by <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2007 , 153, 1318-1328	2.9	256
171	An update on <i>Pseudomonas aeruginosa</i> biofilm formation, tolerance, and dispersal. <i>FEMS Immunology and Medical Microbiology</i> , 2010 , 59, 253-68		241
170	Dispersed cells represent a distinct stage in the transition from bacterial biofilm to planktonic lifestyles. <i>Nature Communications</i> , 2014 , 5, 4462	17.4	217
169	Characterization of starvation-induced dispersion in <i>Pseudomonas putida</i> biofilms: genetic elements and molecular mechanisms. <i>Molecular Microbiology</i> , 2010 , 75, 815-26	4.1	172
168	Interspecies signalling via the <i>Stenotrophomonas maltophilia</i> diffusible signal factor influences biofilm formation and polymyxin tolerance in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2008 , 68, 75-86	4.1	171
167	Computer-aided identification of recognized drugs as <i>Pseudomonas aeruginosa</i> quorum-sensing inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 2432-43	5.9	160
166	Colistin-tobramycin combinations are superior to monotherapy concerning the killing of biofilm <i>Pseudomonas aeruginosa</i> . <i>Journal of Infectious Diseases</i> , 2010 , 202, 1585-92	7	145
165	Distinct roles of extracellular polymeric substances in <i>Pseudomonas aeruginosa</i> biofilm development. <i>Environmental Microbiology</i> , 2011 , 13, 1705-17	5.2	144
164	Synthesis and characterization of novel antibacterial silver nanocomposite nanofiltration and forward osmosis membranes based on layer-by-layer assembly. <i>Water Research</i> , 2013 , 47, 3081-92	12.5	136
163	Combating biofilms. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 146-57		129
162	Pyoverdine and PQS mediated subpopulation interactions involved in <i>Pseudomonas aeruginosa</i> biofilm formation. <i>Molecular Microbiology</i> , 2009 , 74, 1380-92	4.1	124
161	Current understanding of multi-species biofilms. <i>International Journal of Oral Science</i> , 2011 , 3, 74-81	27.9	117

160	Dynamic remodeling of microbial biofilms by functionally distinct exopolysaccharides. <i>MBio</i> , 2014 , 5, e01536-14	7.8	106
159	<i>Pseudomonas aeruginosa</i> extracellular products inhibit staphylococcal growth, and disrupt established biofilms produced by <i>Staphylococcus epidermidis</i> . <i>Microbiology (United Kingdom)</i> , 2009 , 155, 2148-2156	2.9	101
158	Selective labelling and eradication of antibiotic-tolerant bacterial populations in <i>Pseudomonas aeruginosa</i> biofilms. <i>Nature Communications</i> , 2016 , 7, 10750	17.4	91
157	HD-GYP domain proteins regulate biofilm formation and virulence in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology</i> , 2009 , 11, 1126-36	5.2	88
156	PSlG, a self-produced glycosyl hydrolase, triggers biofilm disassembly by disrupting exopolysaccharide matrix. <i>Cell Research</i> , 2015 , 25, 1352-67	24.7	81
155	Block Copolymer Nanoparticles Remove Biofilms of Drug-Resistant Gram-Positive Bacteria by Nanoscale Bacterial Debridement. <i>Nano Letters</i> , 2018 , 18, 4180-4187	11.5	81
154	Identification of five structurally unrelated quorum-sensing inhibitors of <i>Pseudomonas aeruginosa</i> from a natural-derivative database. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 5629-41	5.9	78
153	Bis-(3S5S)-cyclic dimeric GMP regulates antimicrobial peptide resistance in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 2066-75	5.9	73
152	Metagenomic and metatranscriptomic analysis of saliva reveals disease-associated microbiota in patients with periodontitis and dental caries. <i>Npj Biofilms and Microbiomes</i> , 2017 , 3, 23	8.2	69
151	Emerging frontiers in detection and control of bacterial biofilms. <i>Current Opinion in Biotechnology</i> , 2014 , 26, 1-6	11.4	69
150	Effects of ginseng on <i>Pseudomonas aeruginosa</i> motility and biofilm formation. <i>FEMS Immunology and Medical Microbiology</i> , 2011 , 62, 49-56		67
149	Pattern differentiation in co-culture biofilms formed by <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> . <i>FEMS Immunology and Medical Microbiology</i> , 2011 , 62, 339-47		64
148	First case of <i>E. anophelis</i> outbreak in an intensive-care unit. <i>Lancet, The</i> , 2013 , 382, 855-6	40	63
147	Detection of Pathogenic Biofilms with Bacterial Amyloid Targeting Fluorescent Probe, CDy11. <i>Journal of the American Chemical Society</i> , 2016 , 138, 402-7	16.4	61
146	Polysaccharides serve as scaffold of biofilms formed by mucoid <i>Pseudomonas aeruginosa</i> . <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 366-76		61
145	Influence of outer membrane c-type cytochromes on particle size and activity of extracellular nanoparticles produced by <i>Shewanella oneidensis</i> . <i>Biotechnology and Bioengineering</i> , 2013 , 110, 1831-7	4.9	61
144	Microbial communities in the tropical air ecosystem follow a precise diel cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23299-23308	11.5	59
143	High β -lactamase levels change the pharmacodynamics of β -lactam antibiotics in <i>Pseudomonas aeruginosa</i> biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 196-204	5.9	56

142	Engineering PQS biosynthesis pathway for enhancement of bioelectricity production in pseudomonas aeruginosa microbial fuel cells. <i>PLoS ONE</i> , 2013 , 8, e63129	3.7	56
141	Functional amyloids keep quorum-sensing molecules in check. <i>Journal of Biological Chemistry</i> , 2015 , 290, 6457-69	5.4	55
140	Salicylic acid-mediated plasmodesmal closure via Remorin-dependent lipid organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21274-21284	11.5	55
139	Disulfide Bond-Containing Ajoene Analogues As Novel Quorum Sensing Inhibitors of Pseudomonas aeruginosa. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 215-227	8.3	54
138	A sensor kinase recognizing the cell-cell signal BDSF (cis-2-dodecenoic acid) regulates virulence in Burkholderia cenocepacia. <i>Molecular Microbiology</i> , 2010 , 77, 1220-36	4.1	54
137	Skin Commensal Malassezia globosa Secreted Protease Attenuates Staphylococcus aureus Biofilm Formation. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 1137-1145	4.3	53
136	In silico analyses of metagenomes from human atherosclerotic plaque samples. <i>Microbiome</i> , 2015 , 3, 38	16.6	52
135	Synergistic activities of an efflux pump inhibitor and iron chelators against Pseudomonas aeruginosa growth and biofilm formation. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 3960-3	5.9	51
134	In vitro and in vivo generation and characterization of Pseudomonas aeruginosa biofilm-dispersed cells via c-di-GMP manipulation. <i>Nature Protocols</i> , 2015 , 10, 1165-80	18.8	50
133	Ribosome protection by antibiotic resistance ATP-binding cassette protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 5157-5162	11.5	47
132	C-di-GMP regulates Pseudomonas aeruginosa stress response to tellurite during both planktonic and biofilm modes of growth. <i>Scientific Reports</i> , 2015 , 5, 10052	4.9	46
131	The LapG protein plays a role in Pseudomonas aeruginosa biofilm formation by controlling the presence of the CdrA adhesin on the cell surface. <i>MicrobiologyOpen</i> , 2015 , 4, 917-30	3.4	45
130	The PprA-PprB two-component system activates CupE, the first non-archetypal Pseudomonas aeruginosa chaperone-usher pathway system assembling fimbriae. <i>Environmental Microbiology</i> , 2011 , 13, 666-83	5.2	45
129	Evolution and adaptation in Pseudomonas aeruginosa biofilms driven by mismatch repair system-deficient mutators. <i>PLoS ONE</i> , 2011 , 6, e27842	3.7	43
128	A cyclic di-GMP-binding adaptor protein interacts with a chemotaxis methyltransferase to control flagellar motor switching. <i>Science Signaling</i> , 2016 , 9, ra102	8.8	41
127	Biofilms of Pathogenic Nontuberculous Mycobacteria Targeted by New Therapeutic Approaches. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 24-35	5.9	41
126	Comparative genomic analysis of malaria mosquito vector-associated novel pathogen Elizabethkingia anophelis. <i>Genome Biology and Evolution</i> , 2014 , 6, 1158-65	3.9	40
125	Reactive oxygen species drive evolution of pro-biofilm variants in pathogens by modulating cyclic-di-GMP levels. <i>Open Biology</i> , 2016 , 6,	7	39

124	Metagenomic insights into the influence of salinity and cytostatic drugs on the composition and functional genes of microbial community in forward osmosis anaerobic membrane bioreactors. <i>Chemical Engineering Journal</i> , 2017 , 326, 462-469	14.7	39
123	Combination Therapy Strategy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Suppressing Multiple Quorum Sensing Pathways of <i>P. aeruginosa</i> . <i>Scientific Reports</i> , 2018 , 8, 1155	4.9	38
122	Reduced Intracellular c-di-GMP Content Increases Expression of Quorum Sensing-Regulated Genes in. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 451	5.9	38
121	High in vitro antimicrobial activity of Peptide-peptide hybrid oligomers against planktonic and biofilm cultures of <i>Staphylococcus epidermidis</i> . <i>International Journal of Antimicrobial Agents</i> , 2013 , 41, 20-7	14.3	36
120	HigB of Enhances Killing of Phagocytes by Up-Regulating the Type III Secretion System in Ciprofloxacin Induced Persister Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016 , 6, 125	5.9	35
119	Antimicrobial Activity and Cell Selectivity of Synthetic and Biosynthetic Cationic Polymers. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	34
118	Identification of a biosynthetic gene cluster for the polyene macrolactam sceliphrolactam in a <i>Streptomyces</i> strain isolated from mangrove sediment. <i>Scientific Reports</i> , 2018 , 8, 1594	4.9	33
117	Comparative genomic analysis of rapid evolution of an extreme-drug-resistant <i>Acinetobacter baumannii</i> clone. <i>Genome Biology and Evolution</i> , 2013 , 5, 807-18	3.9	32
116	Multiple diguanylate cyclase-coordinated regulation of pyoverdine synthesis in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology Reports</i> , 2015 , 7, 498-507	3.7	28
115	The rapid evolution of in ventilator-associated pneumonia patients leads to attenuated virulence. <i>Open Biology</i> , 2017 , 7,	7	28
114	Mechanistic action of weak acid drugs on biofilms. <i>Scientific Reports</i> , 2017 , 7, 4783	4.9	28
113	RpoN Regulates Virulence Factors of <i>Pseudomonas aeruginosa</i> via Modulating the PqsR Quorum Sensing Regulator. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 28311-9	6.3	27
112	Biogenic tellurium nanorods as a novel antivirulence agent inhibiting pyoverdine production in <i>Pseudomonas aeruginosa</i> . <i>Biotechnology and Bioengineering</i> , 2014 , 111, 858-65	4.9	27
111	Complete Genome Sequence and Transcriptomic Analysis of the Novel Pathogen <i>Elizabethkingia anophelis</i> in Response to Oxidative Stress. <i>Genome Biology and Evolution</i> , 2015 , 7, 1676-85	3.9	26
110	The catabolite repression control protein Crc plays a role in the development of antimicrobial-tolerant subpopulations in <i>Pseudomonas aeruginosa</i> biofilms. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 3014-3019	2.9	26
109	Enzyme-responsive reporter molecules for selective localization and fluorescence imaging of pathogenic biofilms. <i>Chemical Communications</i> , 2017 , 53, 3330-3333	5.8	25
108	Population dynamics and transcriptomic responses of in a complex laboratory microbial community. <i>Npj Biofilms and Microbiomes</i> , 2019 , 5, 1	8.2	25
107	Metabolite-enabled mutualistic interaction between <i>Shewanella oneidensis</i> and <i>Escherichia coli</i> in a co-culture using an electrode as electron acceptor. <i>Scientific Reports</i> , 2015 , 5, 11222	4.9	25

106	Evaluation of enoyl-acyl carrier protein reductase inhibitors as <i>Pseudomonas aeruginosa</i> quorum-quenching reagents. <i>Molecules</i> , 2010 , 15, 780-92	4.8	25
105	Comparative systems biology analysis to study the mode of action of the isothiocyanate compound Iberin on <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 6648-59	5.9	24
104	Identification of a new gene PA5017 involved in flagella-mediated motility, chemotaxis and biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2007 , 272, 188-95	2.9	24
103	Tracking inter-institutional spread of NDM and identification of a novel NDM-positive plasmid, pSg1-NDM, using next-generation sequencing approaches. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 3081-3089	5.1	24
102	<i>Staphylococcus epidermidis</i> recovered from indwelling catheters exhibit enhanced biofilm dispersal and "self-renewal" through downregulation of agr. <i>BMC Microbiology</i> , 2012 , 12, 102	4.5	23
101	RNA G-Quadruplex Structures Mediate Gene Regulation in Bacteria. <i>MBio</i> , 2020 , 11,	7.8	22
100	Population dynamics of an <i>Acinetobacter baumannii</i> clonal complex during colonization of patients. <i>Journal of Clinical Microbiology</i> , 2014 , 52, 3200-8	9.7	22
99	Regulation of pqs quorum sensing via catabolite repression control in <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2013 , 159, 1931-1936	2.9	22
98	A stable synergistic microbial consortium for simultaneous azo dye removal and bioelectricity generation. <i>Bioresource Technology</i> , 2014 , 155, 71-6	11	21
97	A Cyclic di-GMP-binding Adaptor Protein Interacts with Histidine Kinase to Regulate Two-component Signaling. <i>Journal of Biological Chemistry</i> , 2016 , 291, 16112-23	5.4	21
96	Itaconimides as Novel Quorum Sensing Inhibitors of. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 443	5.9	21
95	Surface Immobilization of Nano-Silver on Polymeric Medical Devices to Prevent Bacterial Biofilm Formation. <i>Pathogens</i> , 2019 , 8,	4.5	19
94	Near-infrared light-sensitive liposomes for enhanced plasmid DNA transfection. <i>Bioengineering and Translational Medicine</i> , 2016 , 1, 357-364	14.8	19
93	Increased Intracellular Cyclic di-AMP Levels Sensitize <i>Streptococcus gallolyticus</i> subsp. <i>gallolyticus</i> to Osmotic Stress and Reduce Biofilm Formation and Adherence on Intestinal Cells. <i>Journal of Bacteriology</i> , 2019 , 201,	3.5	19
92	Acquisition of resistance to carbapenem and macrolide-mediated quorum sensing inhibition by via ICE. <i>Communications Biology</i> , 2018 , 1, 57	6.7	18
91	Sodium Dodecyl Sulfate (SDS)-Loaded Nanoporous Polymer as Anti-Biofilm Surface Coating Material. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 3050-64	6.3	18
90	Bacterial adaptation during chronic infection revealed by independent component analysis of transcriptomic data. <i>BMC Microbiology</i> , 2011 , 11, 184	4.5	18
89	Real Time, Spatial, and Temporal Mapping of the Distribution of c-di-GMP during Biofilm Development. <i>Journal of Biological Chemistry</i> , 2017 , 292, 477-487	5.4	17

88	Pleiotropic Effects of c-di-GMP Content in. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	17
87	Matrix Polysaccharides and SiaD Diguanylate Cyclase Alter Community Structure and Competitiveness of during Dual-Species Biofilm Development with. <i>MBio</i> , 2018 , 9,	7.8	17
86	A novel two-component system modulates quorum sensing and pathogenicity in <i>Burkholderia cenocepacia</i> . <i>Molecular Microbiology</i> , 2018 , 108, 32-44	4.1	16
85	<i>Haemophilus influenzae</i> responds to glucocorticoids used in asthma therapy by modulation of biofilm formation and antibiotic resistance. <i>EMBO Molecular Medicine</i> , 2015 , 7, 1018-33	12	15
84	The anti-cancerous drug doxorubicin decreases the c-di-GMP content in <i>Pseudomonas aeruginosa</i> but promotes biofilm formation. <i>Microbiology (United Kingdom)</i> , 2016 , 162, 1797-1807	2.9	15
83	Repurposing the anticancer drug cisplatin with the aim of developing novel infection control agents. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 3059-3069	2.5	15
82	Evaluation of Biofilm Dispersal as a Therapeutic Strategy To Restore Antimicrobial Efficacy. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	14
81	Salicylic acid regulates PIN2 auxin transporter hyperclustering and root gravitropic growth via Remorin-dependent lipid nanodomain organisation in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021 , 229, 963-978	9.8	14
80	Stress Resistance Development and Genome-Wide Transcriptional Response of <i>Escherichia coli</i> O157:H7 Adapted to Sublethal Thymol, Carvacrol, and -Cinnamaldehyde. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	14
79	Integrated Genomic and Metabolomic Approach to the Discovery of Potential Anti-Quorum Sensing Natural Products from Microbes Associated with Marine Samples from Singapore. <i>Marine Drugs</i> , 2019 , 17,	6	13
78	The novel coronavirus (COVID-19) pneumonia with negative detection of viral ribonucleic acid from nasopharyngeal swabs: a case report. <i>BMC Infectious Diseases</i> , 2020 , 20, 317	4	13
77	Chemical Biology Strategies for Biofilm Control. <i>Microbiology Spectrum</i> , 2015 , 3,	8.9	12
76	Transcriptomic analysis of KSHV-infected primary oral fibroblasts: The role of interferon-induced genes in the latency of oncogenic virus. <i>Oncotarget</i> , 2016 , 7, 47052-47060	3.3	12
75	Persistent Bacterial Coinfection of a COVID-19 Patient Caused by a Genetically Adapted Chronic Colonizer. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 641920	5.9	12
74	Energy efficient walking control for biped robots using interval type-2 fuzzy logic systems and optimized iteration algorithm. <i>ISA Transactions</i> , 2019 , 87, 143-153	5.5	12
73	<i>Pseudomonas aeruginosa</i> Oligoribonuclease Contributes to Tolerance to Ciprofloxacin by Regulating Pyocin Biosynthesis. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	11
72	Glutathione Activates Type III Secretion System Through Vfr in. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 164	5.9	11
71	Glycopeptide antibiotic analogs for selective inactivation and two-photon imaging of vancomycin-resistant strains. <i>Chemical Communications</i> , 2016 , 52, 4667-70	5.8	11

70	Regulation of flagellar motor switching by c-di-GMP phosphodiesterases in. <i>Journal of Biological Chemistry</i> , 2019 , 294, 13789-13799	5.4	11
69	Draft Genome Sequence of the Model Naphthalene-Utilizing Organism <i>Pseudomonas putida</i> OUS82. <i>Genome Announcements</i> , 2014 , 2,		11
68	Discovery, biosynthesis and antifungal mechanism of the polyene-polyol meijiemycin. <i>Chemical Communications</i> , 2020 , 56, 822-825	5.8	11
67	Elevated intracellular cyclic-di-GMP level in <i>Shewanella oneidensis</i> increases expression of c-type cytochromes. <i>Microbial Biotechnology</i> , 2020 , 13, 1904-1916	6.3	11
66	Calcium-mediated Protein Folding and Stabilization of Salmonella Biofilm-associated Protein A. <i>Journal of Molecular Biology</i> , 2019 , 431, 433-443	6.5	11
65	Discovery of novel antimycobacterial drug therapy in biofilm of pathogenic nontuberculous mycobacterial keratitis. <i>Ocular Surface</i> , 2017 , 15, 770-783	6.5	10
64	Extracellular biogenic nanomaterials inhibit pyoverdine production in <i>Pseudomonas aeruginosa</i> : a novel insight into impacts of metal(loid)s on environmental bacteria. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 1957-66	5.7	10
63	The bacterial quorum sensing signal DSF hijacks sterol biosynthesis to suppress plant innate immunity. <i>Life Science Alliance</i> , 2020 , 3,	5.8	10
62	Effects of radix ginseng on microbial infections: a narrative review. <i>Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine</i> , 2014 , 34, 227-33		9
61	Selection of hyperadherent mutants in <i>Pseudomonas putida</i> biofilms. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 2257-2265	2.9	9
60	Xanthomonas effector XopR hijacks host actin cytoskeleton via complex coacervation. <i>Nature Communications</i> , 2021 , 12, 4064	17.4	9
59	Antibody Treatment against Angiopoietin-Like 4 Reduces Pulmonary Edema and Injury in Secondary Pneumococcal Pneumonia. <i>MBio</i> , 2019 , 10,	7.8	8
58	Recent progress in experimental and human disease-associated multi-species biofilms. <i>Computational and Structural Biotechnology Journal</i> , 2019 , 17, 1234-1244	6.8	8
57	Formin nanoclustering-mediated actin assembly during plant flagellin and DSF signaling. <i>Cell Reports</i> , 2021 , 34, 108884	10.6	8
56	Light-Triggered Nitric Oxide Release by a Photosensitizer to Combat Bacterial Biofilm Infections. <i>Chemistry - A European Journal</i> , 2021 , 27, 5453-5460	4.8	8
55	and Efficacy of an LpxC Inhibitor, CHIR-090, Alone or Combined with Colistin against <i>Pseudomonas aeruginosa</i> Biofilm. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	7
54	The MapZ-Mediated Methylation of Chemoreceptors Contributes to Pathogenicity of. <i>Frontiers in Microbiology</i> , 2019 , 10, 67	5.7	7
53	T6SS Mediated Stress Responses for Bacterial Environmental Survival and Host Adaptation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7

52	(1-aryloxy-2-hydroxypropyl)-phenylpiperazine derivatives suppress <i>Candida albicans</i> virulence by interfering with morphological transition. <i>Microbial Biotechnology</i> , 2018 , 11, 1080-1089	6.3	7
51	Metabolomics analysis of <i>Pseudomonas chlororaphis</i> JK12 algicidal activity under aerobic and micro-aerobic culture condition. <i>AMB Express</i> , 2018 , 8, 131	4.1	7
50	Potential of plant defense by bacterial outer membrane vesicles is mediated by membrane nanodomains. <i>Plant Cell</i> , 2021 ,	11.6	6
49	Mechanical signatures of microbial biofilms in micropillar-embedded growth chambers. <i>Soft Matter</i> , 2016 , 12, 5224-32	3.6	6
48	Molecular insights into the master regulator CysB-mediated bacterial virulence in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2019 , 111, 1195-1210	4.1	6
47	Engineering of bacterial electrochemical activity with global regulator manipulation. <i>Electrochemistry Communications</i> , 2018 , 86, 117-120	5.1	6
46	Comparative Transcriptomics Unravels Prodigiosin's Potential Cancer-Specific Activity Between Human Small Airway Epithelial Cells and Lung Adenocarcinoma Cells. <i>Frontiers in Oncology</i> , 2018 , 8, 573	5.3	6
45	Protective Action of Linear Polyethylenimine against Colonization and Exaggerated Inflammation and. <i>ACS Infectious Diseases</i> , 2019 , 5, 1411-1422	5.5	5
44	Anthranilic acid from <i>Ralstonia solanacearum</i> plays dual roles in intraspecies signalling and inter-kingdom communication. <i>ISME Journal</i> , 2020 , 14, 2248-2260	11.9	5
43	Complete Genome Sequence of Type Strain SGAir0031 Isolated from Tropical Air Collected in Singapore. <i>Genome Announcements</i> , 2017 , 5,		5
42	<i>Anditalea andensis</i> ANESC-ST--An Alkaliphilic Halotolerant Bacterium Capable of Electricity Generation under Alkaline-Saline Conditions. <i>PLoS ONE</i> , 2015 , 10, e0132766	3.7	5
41	CDy14: a novel biofilm probe targeting exopolysaccharide Psl. <i>Chemical Communications</i> , 2018 , 54, 11865-11866	5.8	5
40	Synthetic biohybrid peptidoglycan oligomers enable pan-bacteria-specific labeling and imaging: and. <i>Chemical Science</i> , 2020 , 11, 3171-3179	9.4	4
39	Integrated Comparative Genomic Analysis and Phenotypic Profiling of Isolates From Crude Oil. <i>Frontiers in Microbiology</i> , 2020 , 11, 519	5.7	4
38	Mesoscopic Energy Minimization Drives <i>Pseudomonas aeruginosa</i> Biofilm Morphologies and Consequent Stratification of Antibiotic Activity Based on Cell Metabolism. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	4
37	Characterization of a novel multidrug resistance plasmid pSGB23 isolated from subspecies enterica serovar Saintpaul. <i>Gut Pathogens</i> , 2018 , 10, 20	5.4	4
36	Gauging and Visualizing c-di-GMP Levels in <i>Pseudomonas aeruginosa</i> Using Fluorescence-Based Biosensors. <i>Methods in Molecular Biology</i> , 2017 , 1657, 87-98	1.4	4
35	Biofilm control by interfering with c-di-GMP metabolism and signaling.. <i>Biotechnology Advances</i> , 2022 , 107915	17.8	4

34	Hinduchelins A-D, Noncytotoxic Catechol Derivatives from <i>Streptoalloteichus hindustanus</i> . <i>Journal of Natural Products</i> , 2018 , 81, 1493-1496	4.9	4
33	Biofilms: Microbial Cities Wherein Flow Shapes Competition. <i>Trends in Microbiology</i> , 2017 , 25, 331-332	12.4	3
32	Anti-bacterial properties of collagen-coated glass and polydimethylsiloxane substrates. <i>Journal of Materials Science</i> , 2017 , 52, 9963-9978	4.3	3
31	Regulation of Virus-Associated Lymphoma Growth and Gene Expression by Bacterial Quorum-Sensing Molecules. <i>Journal of Virology</i> , 2018 , 92,	6.6	3
30	Visualizing biofilm by targeting eDNA with long wavelength probe CDr15. <i>Biomaterials Science</i> , 2019 , 7, 3594-3598	7.4	3
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11	Population dynamics and transcriptomic responses of <i>Pseudomonas aeruginosa</i> in a complex laboratory microbial community		1
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