

Liang Yang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3526426/liang-yang-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	ECF Sigma Factor Hxul Is Critical for Fitness of during Infection.. <i>Microbiology Spectrum</i> , 2022 , e0162021	8.9	1
176	Biofilm control by interfering with c-di-GMP metabolism and signaling.. <i>Biotechnology Advances</i> , 2022 , 107915	17.8	4
175	<i>Pseudomonas aeruginosa</i> modulates alginate biosynthesis and type VI secretion system in two critically ill COVID-19 patients.. <i>Cell and Bioscience</i> , 2022 , 12, 14	9.8	0
174	Insights into the Unique Lung Microbiota Profile of Pulmonary Tuberculosis Patients Using Metagenomic Next-Generation Sequencing.. <i>Microbiology Spectrum</i> , 2022 , 10, e0190121	8.9	0
173	Membrane nanodomains modulate formin condensation for actin remodeling in Arabidopsis innate immune responses. <i>Plant Cell</i> , 2021 ,	11.6	3
172	Potential of plant defense by bacterial outer membrane vesicles is mediated by membrane nanodomains. <i>Plant Cell</i> , 2021 ,	11.6	6
171	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
170	Formin nanoclustering-mediated actin assembly during plant flagellin and DSF signaling. <i>Cell Reports</i> , 2021 , 34, 108884	10.6	8
169	NO donors and NO delivery methods for controlling biofilms in chronic lung infections. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 3931-3954	5.7	3
168	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
167	The Pyocin Regulator PrtR Regulates Virulence Expression of <i>Pseudomonas aeruginosa</i> by Modulation of Gac/Rsm System and c-di-GMP Signaling Pathway. <i>Infection and Immunity</i> , 2021 , 89,	3.7	1
166	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
165	T6SS Mediated Stress Responses for Bacterial Environmental Survival and Host Adaptation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
164	Identification of Microbiome Etiology Associated With Drug Resistance in Pleural Empyema. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 637018	5.9	0
163	rpoS-mutation variants are selected in <i>Pseudomonas aeruginosa</i> biofilms under imipenem pressure. <i>Cell and Bioscience</i> , 2021 , 11, 138	9.8	3
162	<i>Xanthomonas</i> effector XopR hijacks host actin cytoskeleton via complex coacervation. <i>Nature Communications</i> , 2021 , 12, 4064	17.4	9
161	Disruption of the <i>Pseudomonas aeruginosa</i> Tat system perturbs PQS-dependent quorum sensing and biofilm maturation through lack of the Rieske cytochrome bc1 sub-unit. <i>PLoS Pathogens</i> , 2021 , 17, e1009425	7.6	3

160	Development and Quantitation of Biofilms after Cultivation in Flow-reactors. <i>Bio-protocol</i> , 2021 , 11, e4126	0.9	1
159	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
158	RNA G-Quadruplex Structures Mediate Gene Regulation in Bacteria. <i>MBio</i> , 2020 , 11,	7.8	22
157	Synthetic biohybrid peptidoglycan oligomers enable pan-bacteria-specific labeling and imaging: and. <i>Chemical Science</i> , 2020 , 11, 3171-3179	9.4	4
156	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
155	Integrated Comparative Genomic Analysis and Phenotypic Profiling of Isolates From Crude Oil. <i>Frontiers in Microbiology</i> , 2020 , 11, 519	5.7	4
154	The bacterial quorum sensing signal DSF hijacks sterol biosynthesis to suppress plant innate immunity. <i>Life Science Alliance</i> , 2020 , 3,	5.8	10
153	Molecular and Systems Biology Approaches for Analyzing Drug-Tolerant Bacterial Persister Cells. <i>Sustainable Agriculture Reviews</i> , 2020 , 109-128	1.3	1
152	Discovery, biosynthesis and antifungal mechanism of the polyene-polyol meijiemycin. <i>Chemical Communications</i> , 2020 , 56, 822-825	5.8	11
151	Sex Steroids Induce Membrane Stress Responses and Virulence Properties in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2020 , 11,	7.8	3
150	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
149	Systematic analysis of supervised machine learning as an effective approach to predicate β -lactam resistance phenotype in <i>Streptococcus pneumoniae</i> . <i>Briefings in Bioinformatics</i> , 2020 , 21, 1347-1355	13.4	2
148	Population dynamics and transcriptomic responses of in a complex laboratory microbial community. <i>Npj Biofilms and Microbiomes</i> , 2019 , 5, 1	8.2	25
147	The MapZ-Mediated Methylation of Chemoreceptors Contributes to Pathogenicity of. <i>Frontiers in Microbiology</i> , 2019 , 10, 67	5.7	7
146	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
145	Antibody Treatment against Angiopoietin-Like 4 Reduces Pulmonary Edema and Injury in Secondary Pneumococcal Pneumonia. <i>MBio</i> , 2019 , 10,	7.8	8
144	Glutathione Activates Type III Secretion System Through Vfr in. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 164	5.9	11
143	Protective Action of Linear Polyethylenimine against Colonization and Exaggerated Inflammation and. <i>ACS Infectious Diseases</i> , 2019 , 5, 1411-1422	5.5	5

142	Pleiotropic Effects of c-di-GMP Content in. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	17
141	Adaptive tracking control of a nonlinear teleoperation system with uncertainties in kinematics and dynamics. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401983817	1.2	1
140	Regulation of flagellar motor switching by c-di-GMP phosphodiesterases in. <i>Journal of Biological Chemistry</i> , 2019 , 294, 13789-13799	5.4	11
139	Visualizing biofilm by targeting eDNA with long wavelength probe CDr15. <i>Biomaterials Science</i> , 2019 , 7, 3594-3598	7.4	3
138	Surface Immobilization of Nano-Silver on Polymeric Medical Devices to Prevent Bacterial Biofilm Formation. <i>Pathogens</i> , 2019 , 8,	4.5	19
137	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
136	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
135	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
134	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
133	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
132	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
131	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
130	Spermidine plays a significant role in stabilizing a master transcription factor Clp to promote antifungal activity in <i>Lysobacter enzymogenes</i> . <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 1811-1822	5.7	3
129	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
128	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
127	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
126	Skin Commensal <i>Malassezia globosa</i> Secreted Protease Attenuates <i>Staphylococcus aureus</i> Biofilm Formation. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 1137-1145	4.3	53
125	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

124	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
123	Characterization of a novel multidrug resistance plasmid pSGB23 isolated from subspecies enterica serovar Saintpaul. <i>Gut Pathogens</i> , 2018 , 10, 20	5.4	4
122	Regulation of Virus-Associated Lymphoma Growth and Gene Expression by Bacterial Quorum-Sensing Molecules. <i>Journal of Virology</i> , 2018 , 92,	6.6	3
121	Acquisition of resistance to carbapenem and macrolide-mediated quorum sensing inhibition by via ICE. <i>Communications Biology</i> , 2018 , 1, 57	6.7	18
120	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
119	Itaconimides as Novel Quorum Sensing Inhibitors of. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 443	5.9	21
118	Engineering of bacterial electrochemical activity with global regulator manipulation. <i>Electrochemistry Communications</i> , 2018 , 86, 117-120	5.1	6
117	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
116	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
115	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
114	Stress Resistance Development and Genome-Wide Transcriptional Response of <i>Escherichia coli</i> O157:H7 Adapted to Sublethal Thymol, Carvacrol, and α -Cinnamaldehyde. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	14
113	(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
112	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
111	CDy14: a novel biofilm probe targeting exopolysaccharide Psl. <i>Chemical Communications</i> , 2018 , 54, 11865-11868	5.8	1868
110	Hinduchelins A-D, Noncytotoxic Catechol Derivatives from <i>Streptoalloteichus hindustanus</i> . <i>Journal of Natural Products</i> , 2018 , 81, 1493-1496	4.9	4
109	<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
108	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
107	Biofilms: Microbial Cities Wherein Flow Shapes Competition. <i>Trends in Microbiology</i> , 2017 , 25, 331-332	12.4	3

106	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
105	Anti-bacterial properties of collagen-coated glass and polydimethylsiloxane substrates. <i>Journal of Materials Science</i> , 2017 , 52, 9963-9978	4.3	3
104	Proteogenomics of <i>Pseudomonas aeruginosa</i> in Cystic Fibrosis Infections 2017 , 451-491		
103	Enzyme-responsive reporter molecules for selective localization and fluorescence imaging of pathogenic biofilms. <i>Chemical Communications</i> , 2017 , 53, 3330-3333	5.8	25
102	Disulfide Bond-Containing Ajoene Analogues As Novel Quorum Sensing Inhibitors of <i>Pseudomonas aeruginosa</i> . <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 215-227	8.3	54
101	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
100	Quantitative analysis of actin filament assembly in yeast and plant by live cell fluorescence microscopy. <i>Micron</i> , 2017 , 103, 78-83	2.3	0
99	The rapid evolution of in ventilator-associated pneumonia patients leads to attenuated virulence. <i>Open Biology</i> , 2017 , 7,	7	28
98	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
97	Evaluation of Biofilm Dispersal as a Therapeutic Strategy To Restore Antimicrobial Efficacy. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	14
96	A Linker for the Solid-Phase Synthesis of Hydroxamic Acids and Identification of HDAC6 Inhibitors. <i>ACS Combinatorial Science</i> , 2017 , 19, 657-669	3.9	3
95	Antimicrobial Activity and Cell Selectivity of Synthetic and Biosynthetic Cationic Polymers. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	34
94	Complete Genome Sequence of Type Strain SGAir0031 Isolated from Tropical Air Collected in Singapore. <i>Genome Announcements</i> , 2017 , 5,		5
93	Mechanistic action of weak acid drugs on biofilms. <i>Scientific Reports</i> , 2017 , 7, 4783	4.9	28
92	Discovery of novel antimycobacterial drug therapy in biofilm of pathogenic nontuberculous mycobacterial keratitis. <i>Ocular Surface</i> , 2017 , 15, 770-783	6.5	10
91	<i>Pseudomonas aeruginosa</i> Psl Exopolysaccharide Interacts with the Antimicrobial Peptide LG21. <i>Water (Switzerland)</i> , 2017 , 9, 681	3	1
90	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
89	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

88	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
87	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
86	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
85	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
84	Biofilms of Pathogenic Nontuberculous Mycobacteria Targeted by New Therapeutic Approaches. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 24-35	5.9	41
83	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
82	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
81	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
80	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
79	Near-infrared light-sensitive liposomes for enhanced plasmid DNA transfection. <i>Bioengineering and Translational Medicine</i> , 2016 , 1, 357-364	14.8	19
78	Mechanical signatures of microbial biofilms in micropillar-embedded growth chambers. <i>Soft Matter</i> , 2016 , 12, 5224-32	3.6	6
77	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
76	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
75	Functional amyloids keep quorum-sensing molecules in check. <i>Journal of Biological Chemistry</i> , 2015 , 290, 6457-69	5.4	55
74	In vitro and in vivo generation and characterization of <i>Pseudomonas aeruginosa</i> biofilm-dispersed cells via c-di-GMP manipulation. <i>Nature Protocols</i> , 2015 , 10, 1165-80	18.8	50
73	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
72	PslG, a self-produced glycosyl hydrolase, triggers biofilm disassembly by disrupting exopolysaccharide matrix. <i>Cell Research</i> , 2015 , 25, 1352-67	24.7	81
71	The LapG protein plays a role in <i>Pseudomonas aeruginosa</i> biofilm formation by controlling the presence of the CdrA adhesin on the cell surface. <i>MicrobiologyOpen</i> , 2015 , 4, 917-30	3.4	45

70	Chemical Biology Strategies for Biofilm Control. <i>Microbiology Spectrum</i> , 2015 , 3,	8.9	12
69	Haemophilus influenzae 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
68	In Situ Mapping of the Mechanical Properties of Biofilms by Particle-tracking Microrheology. <i>Journal of Visualized Experiments</i> , 2015 , e53093	1.6	2
67	In silico analyses of metagenomes from human atherosclerotic plaque samples. <i>Microbiome</i> , 2015 , 3, 38	16.6	52
66	Chemical Biology Strategies for Biofilm Control 2015 , 363-372		
65	RpoN Regulates Virulence Factors of Pseudomonas aeruginosa via Modulating the PqsR Quorum Sensing Regulator. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 28311-9	6.3	27
64	Anditalea andensis ANESC-ST--An Alkaliphilic Halotolerant Bacterium Capable of Electricity Generation under Alkaline-Saline Conditions. <i>PLoS ONE</i> , 2015 , 10, e0132766	3.7	5
63	Metabolite-enabled mutualistic interaction between Shewanella oneidensis and Escherichia coli in a co-culture using an electrode as electron acceptor. <i>Scientific Reports</i> , 2015 , 5, 11222	4.9	25
62	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
61	Complete Genome Sequence and Transcriptomic Analysis of the Novel Pathogen Elizabethkingia anophelis in Response to Oxidative Stress. <i>Genome Biology and Evolution</i> , 2015 , 7, 1676-85	3.9	26
60	Extracellular biogenic nanomaterials inhibit pyoverdine production in Pseudomonas aeruginosa: 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
59	Comparative systems biology analysis to study the mode of action of the isothiocyanate compound Iberin on Pseudomonas aeruginosa. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 6648-59	5.9	24
58	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
57	Population dynamics of an Acinetobacter baumannii clonal complex during colonization of patients. <i>Journal of Clinical Microbiology</i> , 2014 , 52, 3200-8	9.7	22
56	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
55	A stable synergistic microbial consortium for simultaneous azo dye removal and bioelectricity generation. <i>Bioresource Technology</i> , 2014 , 155, 71-6	11	21
54	Synergistic microbial consortium for bioenergy generation from complex natural energy sources. <i>Scientific World Journal, The</i> , 2014 , 2014, 139653	2.2	0
53	Draft Genome Sequence of the Model Naphthalene-Utilizing Organism Pseudomonas putida OUS82. <i>Genome Announcements</i> , 2014 , 2,		11

52	Dynamic remodeling of microbial biofilms by functionally distinct exopolysaccharides. <i>MBio</i> , 2014 , 5, e01536-14	7.8	106
51	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
50	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
49	Emerging frontiers in detection and control of bacterial biofilms. <i>Current Opinion in Biotechnology</i> , 2014 , 26, 1-6	11.4	69
48	E anophelis outbreak in an intensive-care unit - AuthorsSreply. <i>Lancet, The</i> , 2013 , 382, 2064-5	4.0	1
47	First case of E anophelis outbreak in an intensive-care unit. <i>Lancet, The</i> , 2013 , 382, 855-6	4.0	63
46	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
45	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
44	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
43	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
42	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
41	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
40	Bis-(3S5)-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
39	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
38	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
37	Engineering PQS biosynthesis pathway for enhancement of bioelectricity production in <i>pseudomonas aeruginosa</i> microbial fuel cells. <i>PLoS ONE</i> , 2013 , 8, e63129	3.7	56
36	<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
35	Combating biofilms. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 146-57		129

34	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
33	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
32	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
31	Evolution and adaptation in <i>Pseudomonas aeruginosa</i> biofilms driven by mismatch repair system-deficient mutators. <i>PLoS ONE</i> , 2011 , 6, e27842	3.7	43
30	The PprA-PprB two-component system activates CupE, the first non-archetypal <i>Pseudomonas aeruginosa</i> chaperone-usher pathway system assembling fimbriae. <i>Environmental Microbiology</i> , 2011 , 13, 666-83	5.2	45
29	Distinct roles of extracellular polymeric substances in <i>Pseudomonas aeruginosa</i> biofilm development. <i>Environmental Microbiology</i> , 2011 , 13, 1705-17	5.2	144
28	Effects of ginseng on <i>Pseudomonas aeruginosa</i> motility and biofilm formation. <i>FEMS Immunology and Medical Microbiology</i> , 2011 , 62, 49-56		67
27	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
26	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 , 63, 151-151		1
25	Bacterial adaptation during chronic infection revealed by independent component analysis of transcriptomic data. <i>BMC Microbiology</i> , 2011 , 11, 184	4.5	18
24	Current understanding of multi-species biofilms. <i>International Journal of Oral Science</i> , 2011 , 3, 74-81	27.9	117
23	Selection of hyperadherent mutants in <i>Pseudomonas putida</i> biofilms. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 2257-2265	2.9	9
22	An update on <i>Pseudomonas aeruginosa</i> biofilm formation, tolerance, and dispersal. <i>FEMS Immunology and Medical Microbiology</i> , 2010 , 59, 253-68		241
21	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
20	A sensor kinase recognizing the cell-cell signal BDSF (cis-2-dodecenoic acid) regulates virulence in <i>Burkholderia cenocepacia</i> . <i>Molecular Microbiology</i> , 2010 , 77, 1220-36	4.1	54
19	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
18	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
17	Synergistic activities of an efflux pump inhibitor and iron chelators against <i>Pseudomonas aeruginosa</i> growth and biofilm formation. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 3960-3	5.9	51

16	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
15	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
14	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
13	<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
12	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	5.4	276
11	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
10	Effects of antibiotics on quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 3648-63	5.9	262
9	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
8	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
7	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
6	A characterization of DNA release in <i>Pseudomonas aeruginosa</i> cultures and biofilms. <i>Molecular Microbiology</i> , 2006 , 59, 1114-28	4.1	719
5	Auranofin inhibits virulence in <i>Pseudomonas aeruginosa</i>		2
4	Cyclic-di-GMP is required for corneal infection by <i>Pseudomonas aeruginosa</i> and modulates host immunity		1
3	Synergy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Inhibiting <i>P.aeruginosa</i> Quorum Sensing		1
2	Population dynamics and transcriptomic responses of <i>Pseudomonas aeruginosa</i> in a complex laboratory microbial community		1
1	Emergent Strategies for Detection and Control of Biofilms in Food Processing Environments	455-470	1