

Scott A Rice

List of Publications by Year in descending order

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209
papers

18,542
citations

26626

56
h-index

14208

128
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227
all docs

227
docs citations

227
times ranked

19875
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofilms: an emergent form of bacterial life. <i>Nature Reviews Microbiology</i> , 2016, 14, 563-575.	28.6	3,725
2	Inhibition of quorum sensing in <i>Pseudomonas aeruginosa</i> biofilm bacteria by a halogenated furanone compound. <i>Microbiology (United Kingdom)</i> , 2002, 148, 87-102.	1.8	919
3	Should we stay or should we go: mechanisms and ecological consequences for biofilm dispersal. <i>Nature Reviews Microbiology</i> , 2012, 10, 39-50.	28.6	702
4	The genomic basis of trophic strategy in marine bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15527-15533.	7.1	685
5	Involvement of Nitric Oxide in Biofilm Dispersal of <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2006, 188, 7344-7353.	2.2	666
6	Ectopic colonization of oral bacteria in the intestine drives T _H 1 cell induction and inflammation. <i>Science</i> , 2017, 358, 359-365.	12.6	612
7	Quorum sensing cross talk: isolation and chemical characterization of cyclic dipeptides from <i>Pseudomonas aeruginosa</i> and other Gram-negative bacteria. <i>Molecular Microbiology</i> , 1999, 33, 1254-1266.	2.5	516
8	Nitric Oxide Signaling in <i>Pseudomonas aeruginosa</i> Biofilms Mediates Phosphodiesterase Activity, Decreased Cyclic Di-GMP Levels, and Enhanced Dispersal. <i>Journal of Bacteriology</i> , 2009, 191, 7333-7342.	2.2	432
9	The role of quorum sensing signalling in EPS production and the assembly of a sludge community into aerobic granules. <i>ISME Journal</i> , 2014, 8, 1186-1197.	9.8	330
10	Understanding, Monitoring, and Controlling Biofilm Growth in Drinking Water Distribution Systems. <i>Environmental Science & Technology</i> , 2016, 50, 8954-8976.	10.0	302
11	The biofilm life cycle and virulence of <i>Pseudomonas aeruginosa</i> are dependent on a filamentous prophage. <i>ISME Journal</i> , 2009, 3, 271-282.	9.8	296
12	Biofilm development and enhanced stress resistance of a model, mixed-species community biofilm. <i>ISME Journal</i> , 2014, 8, 894-907.	9.8	282
13	Nonculturability: adaptation or debilitation?. <i>FEMS Microbiology Ecology</i> , 1998, 25, 1-9.	2.7	250
14	Biofilm Formation and Sloughing in <i>Serratia marcescens</i> Are Controlled by Quorum Sensing and Nutrient Cues. <i>Journal of Bacteriology</i> , 2005, 187, 3477-3485.	2.2	243
15	Nitric oxide-mediated dispersal in single- and multi-species biofilms of clinically and industrially relevant microorganisms. <i>Microbial Biotechnology</i> , 2009, 2, 370-378.	4.2	240
16	Enhancing Bidirectional Electron Transfer of <i>Shewanella oneidensis</i> by a Synthetic Flavin Pathway. <i>ACS Synthetic Biology</i> , 2015, 4, 815-823.	3.8	219
17	Quorum Sensing-Controlled Biofilm Development in <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 2004, 186, 692-698.	2.2	213
18	Inhibition of Luminescence and Virulence in the Black Tiger Prawn (<i>Penaeus monodon</i>) Pathogen <i>Vibrio harveyi</i> by Intercellular Signal Antagonists. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2079-2084.	3.1	203

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19	Nitric Oxide: A Key Mediator of Biofilm Dispersal with Applications in Infectious Diseases. <i>Current Pharmaceutical Design</i> , 2014, 21, 31-42.	1.9	201
20	Microcolonies, quorum sensing and cytotoxicity determine the survival of <i>Pseudomonas aeruginosa</i> biofilms exposed to protozoan grazing. <i>Environmental Microbiology</i> , 2004, 6, 218-226.	3.8	183
21	Microbially influenced corrosion—Any progress?. <i>Corrosion Science</i> , 2020, 170, 108641.	6.6	177
22	<i>Pseudomonas aeruginosa</i> PAO1 Preferentially Grows as Aggregates in Liquid Batch Cultures and Disperses upon Starvation. <i>PLoS ONE</i> , 2009, 4, e5513.	2.5	175
23	Co-delivery of nitric oxide and antibiotic using polymeric nanoparticles. <i>Chemical Science</i> , 2016, 7, 1016-1027.	7.4	158
24	Low-Dose Nitric Oxide as Targeted Anti-biofilm Adjunctive Therapy to Treat Chronic <i>Pseudomonas aeruginosa</i> Infection in Cystic Fibrosis. <i>Molecular Therapy</i> , 2017, 25, 2104-2116.	8.2	149
25	Community quorum sensing signalling and quenching: microbial granular biofilm assembly. <i>Npj Biofilms and Microbiomes</i> , 2015, 1, 15006.	6.4	143
26	Dynamic Remodeling of Microbial Biofilms by Functionally Distinct Exopolysaccharides. <i>MBio</i> , 2014, 5, e01536-14.	4.1	142
27	“Big things in small packages: the genetics of filamentous phage and effects on fitness of their host”™. <i>FEMS Microbiology Reviews</i> , 2015, 39, 465-487.	8.6	140
28	Mannitol Enhances Antibiotic Sensitivity of Persister Bacteria in <i>Pseudomonas aeruginosa</i> Biofilms. <i>PLoS ONE</i> , 2013, 8, e84220.	2.5	139
29	Cephalosporin—diazoniumdiolates: Targeted NO—Donor Prodrugs for Dispersing Bacterial Biofilms. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9057-9060.	13.8	137
30	Grazing resistance of <i>Pseudomonas aeruginosa</i> biofilms depends on type of protective mechanism, developmental stage and protozoan feeding mode. <i>Environmental Microbiology</i> , 2005, 7, 1593-1601.	3.8	129
31	Enhanced <i>Shewanella</i> biofilm promotes bioelectricity generation. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2051-2059.	3.3	129
32	<i>Pseudomonas aeruginosa</i> with <i>LasK</i> Quorum-Sensing Deficiency during Corneal Infection. , 2004, 45, 1897.		115
33	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, 5629-5641.	3.2	113
34	The presence and role of bacterial quorum sensing in activated sludge. <i>Microbial Biotechnology</i> , 2012, 5, 621-633.	4.2	106
35	Modification of In Vivo and In Vitro T- and B-Cell-Mediated Immune Responses by the <i>Pseudomonas aeruginosa</i> Quorum-Sensing Molecule <i>N</i> -(3-Oxododecanoyl)- <i>l</i> -Homoserine Lactone. <i>Infection and Immunity</i> , 2003, 71, 4421-4431.	2.2	96
36	Biofilm differentiation and dispersal in mucoid <i>Pseudomonas aeruginosa</i> isolates from patients with cystic fibrosis. <i>Microbiology (United Kingdom)</i> , 2007, 153, 3264-3274.	1.8	96

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37	Quorum-Sensing Regulation of Adhesion in <i>Serratia marcescens</i> MG1 Is Surface Dependent. <i>Journal of Bacteriology</i> , 2007, 189, 2702-2711.	2.2	95
38	Bis-(3- ϵ -5- ϵ)-Cyclic Dimeric GMP Regulates Antimicrobial Peptide Resistance in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2066-2075.	3.2	93
39	Characterization of biofouling in a lab-scale forward osmosis membrane bioreactor (FOMBR). <i>Water Research</i> , 2014, 58, 141-151.	11.3	91
40	All together now: experimental multispecies biofilm model systems. <i>Environmental Microbiology</i> , 2017, 19, 42-53.	3.8	88
41	Interactions of plasma-activated water with biofilms: inactivation, dispersal effects and mechanisms of action. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 11.	6.4	88
42	SmcR-Dependent Regulation of Adaptive Phenotypes in <i>Vibrio vulnificus</i> . <i>Journal of Bacteriology</i> , 2001, 183, 758-762.	2.2	85
43	The alternative sigma factor RpoN regulates the quorum sensing gene <i>hlln</i> in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2003, 220, 187-195.	1.8	85
44	Bacterial quorum sensing and interference by naturally occurring biomimics. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 445-453.	3.7	82
45	The impact of flux and spacers on biofilm development on reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2012, 405-406, 219-232.	8.2	82
46	Modulating Antimicrobial Activity and Mammalian Cell Biocompatibility with Glucosamine-Functionalized Star Polymers. <i>Biomacromolecules</i> , 2016, 17, 1170-1178.	5.4	82
47	Strain-specific parallel evolution drives short-term diversification during <i>Pseudomonas aeruginosa</i> biofilm formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1419-27.	7.1	81
48	CO-Releasing Polymers Exert Antimicrobial Activity. <i>Biomacromolecules</i> , 2015, 16, 2776-2786.	5.4	81
49	Quorum quenching bacteria can be used to inhibit the biofouling of reverse osmosis membranes. <i>Water Research</i> , 2017, 112, 29-37.	11.3	77
50	Widespread and Indiscriminate Nanosilver Use: Genuine Potential for Microbial Resistance. <i>ACS Nano</i> , 2017, 11, 3438-3445.	14.6	77
51	<i>Pseudomonas aeruginosa</i> PAO1 exopolysaccharides are important for mixed species biofilm community development and stress tolerance. <i>Frontiers in Microbiology</i> , 2015, 6, 851.	3.5	73
52	Role of quorum sensing by <i>Pseudomonas aeruginosa</i> in microbial keratitis and cystic fibrosis. <i>Microbiology (United Kingdom)</i> , 2008, 154, 2184-2194.	1.8	69
53	Glucose Starvation-Induced Dispersal of <i>Pseudomonas aeruginosa</i> Biofilms Is cAMP and Energy Dependent. <i>PLoS ONE</i> , 2012, 7, e42874.	2.5	67
54	Nanoparticles of Short Cationic Peptidopolysaccharide Self-Assembled by Hydrogen Bonding with Antibacterial Effect against Multidrug-Resistant Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38288-38303.	8.0	67

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55	Optimal dosing regimen of nitric oxide donor compounds for the reduction of <i>Pseudomonas aeruginosa</i> biofilm and isolates from wastewater membranes. <i>Biofouling</i> , 2013, 29, 203-212.	2.2	64
56	Phenotypic Diversification and Adaptation of <i>Serratia marcescens</i> MG1 Biofilm-Derived Morphotypes. <i>Journal of Bacteriology</i> , 2007, 189, 119-130.	2.2	62
57	Comparative genomics of clinical strains of <i>Pseudomonas aeruginosa</i> strains isolated from different geographic sites. <i>Scientific Reports</i> , 2018, 8, 15668.	3.3	61
58	Microbial activity in biofilter used as a pretreatment for seawater desalination. <i>Desalination</i> , 2013, 309, 254-260.	8.2	60
59	Quorum sensing-regulated chitin metabolism provides grazing resistance to <i>Vibrio cholerae</i> biofilms. <i>ISME Journal</i> , 2015, 9, 1812-1820.	9.8	59
60	Engineering a light-responsive, quorum quenching biofilm to mitigate biofouling on water purification membranes. <i>Science Advances</i> , 2018, 4, eaau1459.	10.3	59
61	Green biolubricant infused slippery surfaces to combat marine biofouling. <i>Journal of Colloid and Interface Science</i> , 2020, 568, 185-197.	9.4	59
62	Defences against oxidative stress during starvation in bacteria. <i>Antonie Van Leeuwenhoek</i> , 2002, 81, 3-13.	1.7	58
63	The role of quorum sensing mediated developmental traits in the resistance of <i>Serratia marcescens</i> biofilms against protozoan grazing. <i>Environmental Microbiology</i> , 2006, 8, 1017-1025.	3.8	57
64	Mechanical properties of the superficial biofilm layer determine the architecture of biofilms. <i>Soft Matter</i> , 2016, 12, 5718-5726.	2.7	57
65	Interspecific diversity reduces and functionally substitutes for intraspecific variation in biofilm communities. <i>ISME Journal</i> , 2016, 10, 846-857.	9.8	57
66	Voltammetric profiling of redox-active metabolites expressed by <i>Pseudomonas aeruginosa</i> for diagnostic purposes. <i>Chemical Communications</i> , 2015, 51, 3789-3792.	4.1	55
67	Signal-mediated cross-talk regulates stress adaptation in <i>Vibrio</i> species. <i>Microbiology (United Kingdom)</i> , 2018, 162, 185-194.	1.85	54
68	Synthesis of cephalosporin-3- β -diazoniumdiolates: biofilm dispersing NO-donor prodrugs activated by β -lactamase. <i>Chemical Communications</i> , 2013, 49, 4791.	4.1	52
69	Indole-based novel small molecules for the modulation of bacterial signalling pathways. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 925-937.	2.8	50
70	Dynamic modelling of cell death during biofilm development. <i>Journal of Theoretical Biology</i> , 2012, 295, 23-36.	1.7	48
71	Design, Synthesis, and Evaluation of Fimbricide-Nitric Oxide Donor Hybrids as Antimicrobial Agents. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 9517-9529.	6.4	47
72	In-situ monitoring of biofouling on reverse osmosis membranes: Detection and mechanistic study using electrical impedance spectroscopy. <i>Journal of Membrane Science</i> , 2016, 518, 229-242.	8.2	47

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73	The marine pathogen <i>Vibrio vulnificus</i> encodes a putative homologue of the <i>Vibrio harveyi</i> regulatory gene, <i>luxR</i> : a genetic and phylogenetic comparison. <i>Gene</i> , 2000, 248, 213-221.	2.2	46
74	Kinetics of the AHL Regulatory System in a Model Biofilm System: How Many Bacteria Constitute a "Quorum". <i>Journal of Molecular Biology</i> , 2001, 309, 631-640.	4.2	46
75	Cinnamaldehyde disrupts biofilm formation and swarming motility of <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2018, 164, 1087-1097.	1.8	46
76	Biofouling in reverse osmosis processes: The roles of flux, crossflow velocity and concentration polarization in biofilm development. <i>Journal of Membrane Science</i> , 2014, 467, 116-125.	8.2	45
77	Nitric Oxide Treatment for the Control of Reverse Osmosis Membrane Biofouling. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2515-2524.	3.1	45
78	Predation by <i>Bdellovibrio bacteriovorus</i> significantly reduces viability and alters the microbial community composition of activated sludge flocs and granules. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	45
79	Diversity of retron elements in a population of rhizobia and other gram-negative bacteria. <i>Journal of Bacteriology</i> , 1993, 175, 4250-4254.	2.2	44
80	The Role of Regulators in the Expression of Quorum-Sensing Signals in <i>Pseudomonas aeruginosa</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2003, 6, 88-100.	1.0	44
81	Dynamics of biofilm formation under different nutrient levels and the effect on biofouling of a reverse osmosis membrane system. <i>Biofouling</i> , 2013, 29, 319-330.	2.2	44
82	Effects of Surface Composition on the Aerosolisation and Dissolution of Inhaled Antibiotic Combination Powders Consisting of Colistin and Rifampicin. <i>AAPS Journal</i> , 2016, 18, 372-384.	4.4	43
83	SiaA/D Interconnects c-di-GMP and RsmA Signaling to Coordinate Cellular Aggregation of <i>Pseudomonas aeruginosa</i> in Response to Environmental Conditions. <i>Frontiers in Microbiology</i> , 2016, 7, 179.	3.5	42
84	A risk assessment of <i>Pseudomonas aeruginosa</i> in swimming pools: a review. <i>Journal of Water and Health</i> , 2012, 10, 181-196.	2.6	40
85	Mechanistic action of weak acid drugs on biofilms. <i>Scientific Reports</i> , 2017, 7, 4783.	3.3	40
86	Association between possession of ExoU and antibiotic resistance in <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2018, 13, e0204936.	2.5	40
87	The biofilm matrix scaffold of <i>Pseudomonas aeruginosa</i> contains G-quadruplex extracellular DNA structures. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 27.	6.4	40
88	Modeling the effect of acylated homoserine lactone antagonists in <i>Pseudomonas aeruginosa</i> . <i>BioSystems</i> , 2005, 80, 201-213.	2.0	39
89	Isolation of <i>Bdellovibrio bacteriovorus</i> from a tropical wastewater treatment plant and predation of mixed species biofilms assembled by the native community members. <i>Environmental Microbiology</i> , 2016, 18, 3923-3931.	3.8	38
90	Succession of biofilm communities responsible for biofouling of membrane bio-reactors (MBRs). <i>PLoS ONE</i> , 2017, 12, e0179855.	2.5	38

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91	Bacterial signals and antagonists: the interaction between bacteria and higher organisms. <i>Journal of Molecular Microbiology and Biotechnology</i> , 1999, 1, 23-31.	1.0	38
92	The use of quorum-sensing blockers as therapeutic agents for the control of biofilm-associated infections. <i>Current Opinion in Investigational Drugs</i> , 2005, 6, 178-84.	2.3	38
93	Quorum sensing inhibitory activities of surface immobilized antibacterial dihydropyrrones via click chemistry. <i>Biomaterials</i> , 2014, 35, 2336-2345.	11.4	37
94	Urinary catheter-associated microbiota change in accordance with treatment and infection status. <i>PLoS ONE</i> , 2017, 12, e0177633.	2.5	37
95	Insights into Biofilm Dispersal Regulation from the Crystal Structure of the PAS-GGDEF-EAL Region of RbdA from <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	37
96	<i>Vibrio vulnificus</i> : a physiological and genetic approach to the viable but nonculturable response. <i>Journal of Infection and Chemotherapy</i> , 2000, 6, 115-120.	1.7	35
97	Single microcolony diffusion analysis in <i>Pseudomonas aeruginosa</i> biofilms. <i>Npj Biofilms and Microbiomes</i> , 2019, 5, 35.	6.4	34
98	Weak acids as an alternative anti-microbial therapy. <i>Biofilm</i> , 2020, 2, 100019.	3.8	34
99	Recent Developments in Nitric Oxide Donors and Delivery for Antimicrobial and Anti-Biofilm Applications. <i>Molecules</i> , 2022, 27, 674.	3.8	34
100	Phylogenetic comparison of retron elements among the myxobacteria: evidence for vertical inheritance. <i>Journal of Bacteriology</i> , 1995, 177, 37-45.	2.2	33
101	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.	3.4	32
102	The roles of <i>Pseudomonas aeruginosa</i> extracellular polysaccharides in biofouling of reverse osmosis membranes and nitric oxide induced dispersal. <i>Journal of Membrane Science</i> , 2014, 466, 161-172.	8.2	30
103	<i>Pseudomonas aeruginosa</i> response and bathing water infection. <i>Epidemiology and Infection</i> , 2014, 142, 449-462.	2.1	29
104	Probing the internal micromechanical properties of <i>Pseudomonas aeruginosa</i> biofilms by Brillouin imaging. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 20.	6.4	29
105	A programmable lipid-polymer hybrid nanoparticle system for localized, sustained antibiotic delivery to Gram-positive and Gram-negative bacterial biofilms. <i>Nanoscale Horizons</i> , 2018, 3, 305-311.	8.0	29
106	Heritable nanosilver resistance in priority pathogen: a unique genetic adaptation and comparison with ionic silver and antibiotics. <i>Nanoscale</i> , 2020, 12, 2384-2392.	5.6	29
107	Starvation Response of the Marine Barophile CNPT-3. <i>Applied and Environmental Microbiology</i> , 1992, 58, 2432-2437.	3.1	29
108	Environmental cues and genes involved in establishment of the superinfective Pf4 phage of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 654.	3.5	28

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109	Next-generation studies of microbial biofilm communities. <i>Microbial Biotechnology</i> , 2016, 9, 677-680.	4.2	28
110	Biofilm dispersal cells of a cystic fibrosis <i>Pseudomonas aeruginosa</i> isolate exhibit variability in functional traits likely to contribute to persistent infection. <i>FEMS Immunology and Medical Microbiology</i> , 2012, 66, 251-264.	2.7	27
111	A rapid bioluminescence-based test of assimilable organic carbon for seawater. <i>Desalination</i> , 2013, 317, 160-165.	8.2	27
112	The correlation between biofilm biopolymer composition and membrane fouling in submerged membrane bioreactors. <i>Biofouling</i> , 2014, 30, 1093-1110.	2.2	27
113	Expression stability of 13 housekeeping genes during carbon starvation of <i>Pseudomonas aeruginosa</i> . <i>Journal of Microbiological Methods</i> , 2016, 127, 182-187.	1.6	27
114	Design, synthesis and evaluation of N-aryl-glyoxamide derivatives as structurally novel bacterial quorum sensing inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 680-693.	2.8	27
115	Matrix Polysaccharides and SiaD Diguanylate Cyclase Alter Community Structure and Competitiveness of <i>Pseudomonas aeruginosa</i> during Dual-Species Biofilm Development with <i>Staphylococcus aureus</i> . <i>MBio</i> , 2018, 9, .	4.1	27
116	Dihydropyrrolones as bacterial quorum sensing inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1054-1059.	2.2	27
117	The role of quorum sensing and the effect of environmental conditions on biofilm formation by strains of <i>Vibrio vulnificus</i> . <i>Biofouling</i> , 2006, 22, 161-172.	2.2	26
118	Interfaces Between Bacterial and Eukaryotic "Neuroecology". <i>Integrative and Comparative Biology</i> , 2011, 51, 794-806.	2.0	26
119	Antibiotic Resistance Characteristics of <i>Pseudomonas aeruginosa</i> Isolated from Keratitis in Australia and India. <i>Antibiotics</i> , 2020, 9, 600.	3.7	26
120	Long-term effect on membrane fouling in a new membrane bioreactor as a pretreatment to seawater desalination. <i>Bioresource Technology</i> , 2014, 165, 60-68.	9.6	25
121	Evolution of biofilm-forming pathogenic bacteria in the presence of nanoparticles and antibiotic: adaptation phenomena and cross-resistance. <i>Journal of Nanobiotechnology</i> , 2021, 19, 291.	9.1	25
122	Biofouling control in reverse osmosis by nitric oxide treatment and its impact on the bacterial community. <i>Journal of Membrane Science</i> , 2018, 550, 313-321.	8.2	24
123	Characterisation and <i>in vitro</i> activities of surface attached dihydropyrrol-2-ones against Gram-negative and Gram-positive bacteria. <i>Biofouling</i> , 2010, 26, 913-921.	2.2	23
124	Novel Inhaled Combination Powder Containing Amorphous Colistin and Crystalline Rifapentine with Enhanced Antimicrobial Activities against Planktonic Cells and Biofilm of <i>Pseudomonas aeruginosa</i> for Respiratory Infections. <i>Molecular Pharmaceutics</i> , 2015, 12, 2594-2603.	4.6	23
125	Synthesis, quorum sensing inhibition and docking studies of 1,5-dihydropyrrol-2-ones. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7366-7377.	3.0	23
126	Nanosilver and the microbiological activity of the particulate solids versus the leached soluble silver. <i>Nanotoxicology</i> , 2018, 12, 263-273.	3.0	23

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127	High bacterial diversity in nearshore and oceanic biofilms and their influence on larval settlement by <i>Hydroides elegans</i> (Polychaeta). <i>Environmental Microbiology</i> , 2019, 21, 3472-3488.	3.8	22
128	Minimal increase in genetic diversity enhances predation resistance. <i>Molecular Ecology</i> , 2012, 21, 1741-1753.	3.9	21
129	Onset of Microbial Influenced Corrosion (MIC) in Stainless Steel Exposed to Mixed Species Biofilms from Equatorial Seawater. <i>Journal of the Electrochemical Society</i> , 2017, 164, C532-C538.	2.9	21
130	Convection and the Extracellular Matrix Dictate Inter- and Intra-Biofilm Quorum Sensing Communication in Environmental Systems. <i>Environmental Science & Technology</i> , 2020, 54, 6730-6740.	10.0	21
131	Furoxan Nitric Oxide Donors Disperse <i>Pseudomonas aeruginosa</i> Biofilms, Accelerate Growth, and Repress Pyoverdine Production. <i>ACS Chemical Biology</i> , 2017, 12, 2097-2106.	3.4	20
132	Nitric Oxide-Mediated Induction of Dispersal in <i>Pseudomonas aeruginosa</i> Biofilms Is Inhibited by Flavohemoglobin Production and Is Enhanced by Imidazole. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	20
133	Design and Synthesis of Lactams Derived from Mucochloric and Mucobromic Acids as <i>Pseudomonas aeruginosa</i> Quorum Sensing Inhibitors. <i>Molecules</i> , 2018, 23, 1106.	3.8	20
134	Accessory genome of the multi-drug resistant ocular isolate of <i>Pseudomonas aeruginosa</i> PA34. <i>PLoS ONE</i> , 2019, 14, e0215038.	2.5	20
135	Analysis of microbial community composition in a lab-scale membrane distillation bioreactor. <i>Journal of Applied Microbiology</i> , 2015, 118, 940-953.	3.1	19
136	Probiotics [LGG-BB12 or RC14-GR1] versus placebo as prophylaxis for urinary tract infection in persons with spinal cord injury [ProSCIUTT]: a study protocol for a randomised controlled trial. <i>BMC Urology</i> , 2016, 16, 18.	1.4	19
137	Acquired fluoroquinolone resistance genes in corneal isolates of <i>Pseudomonas aeruginosa</i> . <i>Infection, Genetics and Evolution</i> , 2020, 85, 104574.	2.3	19
138	Dispersal from Microbial Biofilms. <i>Microbiology Spectrum</i> , 2015, 3, .	3.0	18
139	Hybrids of acylated homoserine lactone and nitric oxide donors as inhibitors of quorum sensing and virulence factors in <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9850-9861.	2.8	18
140	Probiotics [LGG-BB12 or RC14-GR1] versus placebo as prophylaxis for urinary tract infection in persons with spinal cord injury [ProSCIUTT]: a randomised controlled trial. <i>Spinal Cord</i> , 2019, 57, 550-561.	1.9	18
141	Influence of interspecies interactions on the spatial organization of dual species bacterial communities. <i>Biofilm</i> , 2020, 2, 100035.	3.8	18
142	Discovery of Cephalosporin-3-Diazoniumdiolates That Show Dual Antibacterial and Antibiofilm Effects against <i>Pseudomonas aeruginosa</i> Clinical Cystic Fibrosis Isolates and Efficacy in a Murine Respiratory Infection Model. <i>ACS Infectious Diseases</i> , 2020, 6, 1460-1479.	3.8	18
143	Measurement of oxygen concentrations in bacterial biofilms using transient state monitoring by single plane illumination microscopy. <i>Biomedical Physics and Engineering Express</i> , 2017, 3, 035020.	1.2	17
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