Tim Tolker-Nielsen

List of Publications by Citations

167 papers	16,167 citations	64 h-index	126 g-index
172 ext. papers	18,645 ext. citations	5.4 avg, IF	6.64 L-index

#	Paper	IF	Citations
167	Extracellular DNA required for bacterial biofilm formation. *Science*, **2002**, 295, 1487	33.3	1451
166	Biofilm formation by Pseudomonas aeruginosa wild type, flagella and type IV pili mutants. *Molecular Microbiology*, **2003**, 48, 1511-24	4.1	740
165	A characterization of DNA release in Pseudomonas aeruginosa cultures and biofilms. *Molecular Microbiology*, **2006**, 59, 1114-28	4.1	719
164	The clinical impact of bacterial biofilms. *International Journal of Oral Science*, **2011**, 3, 55-65	27.9	486
163	Gene transfer occurs with enhanced efficiency in biofilms and induces enhanced stabilisation of the biofilm structure. *Current Opinion in Biotechnology*, **2003**, 14, 255-61	11.4	464
162	Cell death in Pseudomonas aeruginosa biofilm development. *Journal of Bacteriology*, **2003**, 185, 4585-92	3.5	457
161	Involvement of bacterial migration in the development of complex multicellular structures in Pseudomonas aeruginosa biofilms. *Molecular Microbiology*, **2003**, 50, 61-8	4.1	413
160	Distribution, organization, and ecology of bacteria in chronic wounds. *Journal of Clinical Microbiology*, **2008**, 46, 2717-22	9.7	364
159	Tolerance to the antimicrobial peptide colistin in Pseudomonas aeruginosa biofilms is linked to metabolically active cells, and depends on the pmr and mexAB-oprM genes. *Molecular Microbiology*, **2008**, 68, 223-40	4.1	349
158	Role of autolysin-mediated DNA release in biofilm formation of Staphylococcus epidermidis. *Microbiology (United Kingdom)*, **2007**, 153, 2083-2092	2.9	344
157	Nonrandom distribution of Pseudomonas aeruginosa and Staphylococcus aureus in chronic wounds. *Journal of Clinical Microbiology*, **2009**, 47, 4084-9	9.7	301
156	Multiple roles of biosurfactants in structural biofilm development by Pseudomonas aeruginosa. *Journal of Bacteriology*, **2007**, 189, 2531-9	3.5	284
155	Roles of type IV pili, flagellum-mediated motility and extracellular DNA in the formation of mature multicellular structures in Pseudomonas aeruginosa biofilms. *Environmental Microbiology*, **2008**, 10, 2331-43	5.2	276
154	Burkholderia type VI secretion systems have distinct roles in eukaryotic and bacterial cell interactions. *PLoS Pathogens*, **2010**, 6, e1001068	7.6	274
153	Biofilms in chronic infections - a matter of opportunity - monospecies biofilms in multispecies infections. *FEMS Immunology and Medical Microbiology*, **2010**, 59, 324-36		269
152	Effects of antibiotics on quorum sensing in Pseudomonas aeruginosa. *Antimicrobial Agents and Chemotherapy*, **2008**, 52, 3648-63	5.9	262
151	Development and dynamics of Pseudomonas sp. biofilms. *Journal of Bacteriology*, **2000**, 182, 6482-9	3.5	261

150	Effects of iron on DNA release and biofilm development by Pseudomonas aeruginosa. *Microbiology (United Kingdom)*, **2007**, 153, 1318-1328	2.9	256
149	An update on Pseudomonas aeruginosa biofilm formation, tolerance, and dispersal. *FEMS Immunology and Medical Microbiology*, **2010**, 59, 253-68		241
148	Statistical analysis of Pseudomonas aeruginosa biofilm development: impact of mutations in genes involved in twitching motility, cell-to-cell signaling, and stationary-phase sigma factor expression. *Applied and Environmental Microbiology*, **2002**, 68, 2008-17	4.8	241
147	Dispersed cells represent a distinct stage in the transition from bacterial biofilm to planktonic lifestyles. *Nature Communications*, **2014**, 5, 4462	17.4	217
146	Tolerance and Resistance of Biofilms to Antimicrobial Agents-How Can Escape Antibiotics. *Frontiers in Microbiology*, **2019**, 10, 913	5.7	216
145	Extracellular DNA shields against aminoglycosides in Pseudomonas aeruginosa biofilms. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 2352-61	5.9	206
144	Characterization of starvation-induced dispersion in Pseudomonas putida biofilms. *Environmental Microbiology*, **2005**, 7, 894-906	5.2	202
143	Precision-engineering the Pseudomonas aeruginosa genome with two-step allelic exchange. *Nature Protocols*, **2015**, 10, 1820-41	18.8	200
142	Antimicrobial resistance, respiratory tract infections and role of biofilms in lung infections in cystic fibrosis patients. *Advanced Drug Delivery Reviews*, **2015**, 85, 7-23	18.5	181
141	Regulation of biofilm formation in Pseudomonas and Burkholderia species. *Environmental Microbiology*, **2014**, 16, 1961-81	5.2	179
140	Phenotypes of non-attached Pseudomonas aeruginosa aggregates resemble surface attached biofilm. *PLoS ONE*, **2011**, 6, e27943	3.7	173
139	Characterization of starvation-induced dispersion in Pseudomonas putida biofilms: genetic elements and molecular mechanisms. *Molecular Microbiology*, **2010**, 75, 815-26	4.1	172
138	Quorum sensing and virulence of Pseudomonas aeruginosa during lung infection of cystic fibrosis patients. *PLoS ONE*, **2010**, 5, e10115	3.7	172
137	Interspecies signalling via the Stenotrophomonas maltophilia diffusible signal factor influences biofilm formation and polymyxin tolerance in Pseudomonas aeruginosa. *Molecular Microbiology*, **2008**, 68, 75-86	4.1	171
136	Biased 16S rDNA PCR amplification caused by interference from DNA flanking the template region. *FEMS Microbiology Ecology*, **1998**, 26, 141-149	4.3	166
135	Computer-aided identification of recognized drugs as Pseudomonas aeruginosa quorum-sensing inhibitors. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 2432-43	5.9	160
134	Fluorescence-based reporter for gauging cyclic di-GMP levels in Pseudomonas aeruginosa. *Applied and Environmental Microbiology*, **2012**, 78, 5060-9	4.8	153
133	Differentiation and distribution of colistin- and sodium dodecyl sulfate-tolerant cells in Pseudomonas aeruginosa biofilms. *Journal of Bacteriology*, **2007**, 189, 28-37	3.5	153

132	Role of commensal relationships on the spatial structure of a surface-attached microbial consortium. *Environmental Microbiology*, **2000**, 2, 59-68	5.2	152
131	Inactivation of the rhlA gene in Pseudomonas aeruginosa prevents rhamnolipid production, disabling the protection against polymorphonuclear leukocytes. *Apmis*, **2009**, 117, 537-46	3.4	143
130	Pseudomonas aeruginosa Biofilm Infections: Community Structure, Antimicrobial Tolerance and Immune Response. *Journal of Molecular Biology*, **2015**, 427, 3628-45	6.5	138
129	Pyoverdine and PQS mediated subpopulation interactions involved in Pseudomonas aeruginosa biofilm formation. *Molecular Microbiology*, **2009**, 74, 1380-92	4.1	124
128	Dynamics of development and dispersal in sessile microbial communities: examples from Pseudomonas aeruginosa and Pseudomonas putida model biofilms. *FEMS Microbiology Letters*, **2006**, 261, 1-11	2.9	107
127	Expression of Fap amyloids in Pseudomonas aeruginosa, P. fluorescens, and P. putida results in aggregation and increased biofilm formation. *MicrobiologyOpen*, **2013**, 2, 365-82	3.4	105
126	The CRP/FNR family protein Bcam1349 is a c-di-GMP effector that regulates biofilm formation in the respiratory pathogen Burkholderia cenocepacia. *Molecular Microbiology*, **2011**, 82, 327-41	4.1	102
125	Pseudomonas aeruginosa extracellular products inhibit staphylococcal growth, and disrupt established biofilms produced by Staphylococcus epidermidis. *Microbiology (United Kingdom)*, **2009**, 155, 2148-2156	2.9	101
124	Quantitative analysis of the cellular inflammatory response against biofilm bacteria in chronic wounds. *Wound Repair and Regeneration*, **2011**, 19, 387-91	3.6	98
123	Detection of bacteria by fluorescence in situ hybridization in culture-negative soft tissue filler lesions. *Dermatologic Surgery*, **2009**, 35 Suppl 2, 1620-4	1.7	97
122	Advances in nucleic acid-based diagnostics of bacterial infections. *Clinica Chimica Acta*, **2007**, 384, 1-11	6.2	97
121	Functional bacterial amyloid increases Pseudomonas biofilm hydrophobicity and stiffness. *Frontiers in Microbiology*, **2015**, 6, 1099	5.7	93
120	Insight into the microbial multicellular lifestyle via flow-cell technology and confocal microscopy. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2009**, 75, 90-103	4.6	92
119	Selective labelling and eradication of antibiotic-tolerant bacterial populations in Pseudomonas aeruginosa biofilms. *Nature Communications*, **2016**, 7, 10750	17.4	91
118	HD-GYP domain proteins regulate biofilm formation and virulence in Pseudomonas aeruginosa. *Environmental Microbiology*, **2009**, 11, 1126-36	5.2	88
117	Biofilm Development. *Microbiology Spectrum*, **2015**, 3, MB-0001-2014	8.9	85
116	Pseudomonas aeruginosa fimL regulates multiple virulence functions by intersecting with Vfr-modulated pathways. *Molecular Microbiology*, **2005**, 55, 1357-78	4.1	79
115	Proteins with GGDEF and EAL domains regulate Pseudomonas putida biofilm formation and dispersal. *FEMS Microbiology Letters*, **2006**, 265, 215-24	2.9	78

114	Interference of Pseudomonas aeruginosa signalling and biofilm formation for infection control. *Expert Reviews in Molecular Medicine*, **2010**, 12, e11	6.7	77
113	Bacteria-triggered release of antimicrobial agents. *Angewandte Chemie - International Edition*, **2014**, 53, 439-41	16.4	76
112	Pattern formation in Pseudomonas aeruginosa biofilms. *Current Opinion in Microbiology*, **2008**, 11, 560-6	7.9	76
111	Bursting the bubble on bacterial biofilms: a flow cell methodology. *Biofouling*, **2012**, 28, 835-42	3.3	75
110	Pseudomonas aeruginosa biofilm infections: from molecular biofilm biology to new treatment possibilities. *Apmis*, **2014**, 122, 1-51	3.4	73
109	Bis-(3'-5')-cyclic dimeric GMP regulates antimicrobial peptide resistance in Pseudomonas aeruginosa. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 2066-75	5.9	73
108	The contribution of cell-cell signaling and motility to bacterial biofilm formation. *MRS Bulletin*, **2011**, 36, 367-373	3.2	72
107	When the PilZ don't work: effectors for cyclic di-GMP action in bacteria. *Trends in Microbiology*, **2012**, 20, 235-42	12.4	71
106	Influence of putative exopolysaccharide genes on Pseudomonas putida KT2440 biofilm stability. *Environmental Microbiology*, **2011**, 13, 1357-69	5.2	68
105	Clearance of Pseudomonas aeruginosa foreign-body biofilm infections through reduction of the cyclic Di-GMP level in the bacteria. *Infection and Immunity*, **2013**, 81, 2705-13	3.7	67
104	Characterization of a Pseudomonas putida rough variant evolved in a mixed-species biofilm with Acinetobacter sp. strain C6. *Journal of Bacteriology*, **2007**, 189, 4932-43	3.5	67
103	Pattern differentiation in co-culture biofilms formed by Staphylococcus aureus and Pseudomonas aeruginosa. *FEMS Immunology and Medical Microbiology*, **2011**, 62, 339-47		64
102	DNase1L2 suppresses biofilm formation by Pseudomonas aeruginosa and Staphylococcus aureus. *British Journal of Dermatology*, **2007**, 156, 1342-5	4	64
101	Viable bacteria associated with red blood cells and plasma in freshly drawn blood donations. *PLoS ONE*, **2015**, 10, e0120826	3.7	62
100	Engineering PQS biosynthesis pathway for enhancement of bioelectricity production in pseudomonas aeruginosa microbial fuel cells. *PLoS ONE*, **2013**, 8, e63129	3.7	56
99	Non-genetic population heterogeneity studied by in situ polymerase chain reaction. *Molecular Microbiology*, **1998**, 27, 1099-105	4.1	56
98	Growing and analyzing biofilms in flow cells. *Current Protocols in Microbiology*, **2006**, Chapter 1, Unit 1B.2	7.1	55
97	A sensor kinase recognizing the cell-cell signal BDSF (cis-2-dodecenoic acid) regulates virulence in Burkholderia cenocepacia. *Molecular Microbiology*, **2010**, 77, 1220-36	4.1	54

96	Growing and analyzing biofilms in flow chambers. *Current Protocols in Microbiology*, **2011**, Chapter 1, Unit 1B.2	7.1	54
95	In silico analyses of metagenomes from human atherosclerotic plaque samples. *Microbiome*, **2015**, 3, 38	16.6	52
94	In vitro and in vivo generation and characterization of Pseudomonas aeruginosa biofilm-dispersed cells via c-di-GMP manipulation. *Nature Protocols*, **2015**, 10, 1165-80	18.8	50
93	The Cyclic AMP-Vfr Signaling Pathway in Pseudomonas aeruginosa Is Inhibited by Cyclic Di-GMP. *Journal of Bacteriology*, **2015**, 197, 2190-200	3.5	50
92	Architecture and spatial organization in a triple-species bacterial biofilm synergistically degrading the phenylurea herbicide linuron. *FEMS Microbiology Ecology*, **2008**, 64, 271-82	4.3	50
91	Importance of the Exopolysaccharide Matrix in Antimicrobial Tolerance of Pseudomonas aeruginosa Aggregates. *Antimicrobial Agents and Chemotherapy*, **2017**, 61,	5.9	46
90	C-di-GMP regulates Pseudomonas aeruginosa stress response to tellurite during both planktonic and biofilm modes of growth. *Scientific Reports*, **2015**, 5, 10052	4.9	46
89	A broad range quorum sensing inhibitor working through sRNA inhibition. *Scientific Reports*, **2017**, 7, 9857	4.9	45
88	The LapG protein plays a role in Pseudomonas aeruginosa biofilm formation by controlling the presence of the CdrA adhesin on the cell surface. *MicrobiologyOpen*, **2015**, 4, 917-30	3.4	45
87	The metabolically active subpopulation in Pseudomonas aeruginosa biofilms survives exposure to membrane-targeting antimicrobials via distinct molecular mechanisms. *FEMS Immunology and Medical Microbiology*, **2012**, 65, 245-56		45
86	Synthesis and biological evaluation of triazole-containing N-acyl homoserine lactones as quorum sensing modulators. *Organic and Biomolecular Chemistry*, **2013**, 11, 938-54	3.9	44
85	Inhibition of Escherichia coli precursor-16S rRNA processing by mouse intestinal contents. *Environmental Microbiology*, **1999**, 1, 23-32	5.2	44
84	Cranberry () oligosaccharides decrease biofilm formation by uropathogenic. *Journal of Functional Foods*, **2015**, 17, 235-242	5.1	43
83	The implication of Pseudomonas aeruginosa biofilms in infections. *Inflammation and Allergy: Drug Targets*, **2011**, 10, 141-57		42
82	Role of ribosome degradation in the death of heat-stressed Salmonella typhimurium. *FEMS Microbiology Letters*, **1996**, 142, 155-60	2.9	41
81	Small Molecule Anti-biofilm Agents Developed on the Basis of Mechanistic Understanding of Biofilm Formation. *Frontiers in Chemistry*, **2019**, 7, 742	5	40
80	Bacterial Biofilm Control by Perturbation of Bacterial Signaling Processes. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	40
79	The exopolysaccharide gene cluster Bcam1330-Bcam1341 is involved in Burkholderia cenocepacia biofilm formation, and its expression is regulated by c-di-GMP and Bcam1349. *MicrobiologyOpen*, **2013**, 2, 105-22	3.4	39

78	Reduced Intracellular c-di-GMP Content Increases Expression of Quorum Sensing-Regulated Genes in. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 451	5.9	38
77	The Inoculation Method Could Impact the Outcome of Microbiological Experiments. *Applied and Environmental Microbiology*, **2018**, 84,	4.8	37
76	Effects of stress treatments on the detection of Salmonella typhimurium by in situ hybridization. *International Journal of Food Microbiology*, **1997**, 35, 251-8	5.8	37
75	Pigments influence the tolerance of Pseudomonas aeruginosa PAO1 to photodynamically induced oxidative stress. *Microbiology (United Kingdom)*, **2015**, 161, 2298-309	2.9	37
74	The dlt genes play a role in antimicrobial tolerance of Streptococcus mutans biofilms. *International Journal of Antimicrobial Agents*, **2016**, 48, 298-304	14.3	36
73	Lipopeptide biosurfactant viscosin enhances dispersal of Pseudomonas fluorescens SBW25 biofilms. *Microbiology (United Kingdom)*, **2015**, 161, 2289-97	2.9	36
72	Physiological states of individual Salmonella typhimurium cells monitored by in situ reverse transcription-PCR. *Journal of Bacteriology*, **1999**, 181, 1733-8	3.5	34
71	P. aeruginosa flow-cell biofilms are enhanced by repeated phage treatments but can be eradicated by phage-ciprofloxacin combination. *Pathogens and Disease*, **2019**, 77,	4.2	33
70	Antimicrobial and anti-biofilm effect of a novel BODIPY photosensitizer against Pseudomonas aeruginosa PAO1. *Biofouling*, **2014**, 30, 883-91	3.3	33
69	Methods for studying biofilm formation: flow cells and confocal laser scanning microscopy. *Methods in Molecular Biology*, **2014**, 1149, 615-29	1.4	32
68	Selective Proteomic Analysis of Antibiotic-Tolerant Cellular Subpopulations in Biofilms. *MBio*, **2017**, 8,	7.8	31
67	The Pseudomonas aeruginosa type III translocon is required for biofilm formation at the epithelial barrier. *PLoS Pathogens*, **2014**, 10, e1004479	7.6	30
66	Multiple diguanylate cyclase-coordinated regulation of pyoverdine synthesis in Pseudomonas aeruginosa. *Environmental Microbiology Reports*, **2015**, 7, 498-507	3.7	28
65	Triazole-containing N-acyl homoserine lactones targeting the quorum sensing system in Pseudomonas aeruginosa. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 1638-50	3.4	27
64	Silver-palladium surfaces inhibit biofilm formation. *Applied and Environmental Microbiology*, **2009**, 75, 1674-8	4.8	27
63	The catabolite repression control protein Crc plays a role in the development of antimicrobial-tolerant subpopulations in Pseudomonas aeruginosa biofilms. *Microbiology (United Kingdom)*, **2012**, 158, 3014-3019	2.9	26
62	Comparative systems biology analysis to study the mode of action of the isothiocyanate compound Iberin on Pseudomonas aeruginosa. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 6648-59	5.9	24
61	Influence of silver additions to type 316 stainless steels on bacterial inhibition, mechanical properties, and corrosion resistance. *Materials Chemistry and Physics*, **2010**, 119, 123-130	4.4	24

60	Identification of a new gene PA5017 involved in flagella-mediated motility, chemotaxis and biofilm formation in Pseudomonas aeruginosa. *FEMS Microbiology Letters*, **2007**, 272, 188-95	2.9	24
59	In situ reverse transcription-PCR for monitoring gene expression in individual Methanosarcina mazei S-6 cells. *Applied and Environmental Microbiology*, **2000**, 66, 1796-800	4.8	23
58	A transposon mutant library of Bacillus cereus ATCC 10987 reveals novel genes required for biofilm formation and implicates motility as an important factor for pellicle-biofilm formation. *MicrobiologyOpen*, **2018**, 7, e00552	3.4	22
57	High intracellular c-di-GMP levels antagonize quorum sensing and virulence gene expression in Burkholderia cenocepacia H111. *Microbiology (United Kingdom)*, **2017**, 163, 754-764	2.9	21
56	Increased Intracellular Cyclic di-AMP Levels Sensitize Streptococcus gallolyticus subsp. gallolyticus to Osmotic Stress and Reduce Biofilm Formation and Adherence on Intestinal Cells. *Journal of Bacteriology*, **2019**, 201,	3.5	19
55	Immune Responses to Biofilm Infections. *Frontiers in Immunology*, **2021**, 12, 625597	8.4	18
54	Regulation of Burkholderia cenocepacia biofilm formation by RpoN and the c-di-GMP effector BerB. *MicrobiologyOpen*, **2017**, 6, e00480	3.4	17
53	Identification of LasR ligands through a virtual screening approach. *ChemMedChem*, **2013**, 8, 157-63	3.7	16
52	PNA-based fluorescence in situ hybridization for identification of bacteria in clinical samples. *Methods in Molecular Biology*, **2014**, 1211, 261-71	1.4	16
51	High levels of cAMP inhibit Pseudomonas aeruginosa biofilm formation through reduction of the c-di-GMP content. *Microbiology (United Kingdom)*, **2019**, 165, 324-333	2.9	16
50	Biofilm formation by Staphylococcus epidermidis on peritoneal dialysis catheters and the effects of extracellular products from Pseudomonas aeruginosa. *Pathogens and Disease*, **2013**, 67, 192-8	4.2	15
49	The anti-cancerous drug doxorubicin decreases the c-di-GMP content in Pseudomonas aeruginosa but promotes biofilm formation. *Microbiology (United Kingdom)*, **2016**, 162, 1797-1807	2.9	15
48	Oxidative stress response plays a role in antibiotic tolerance of Streptococcus mutans biofilms. *Microbiology (United Kingdom)*, **2019**, 165, 334-342	2.9	15
47	Colony morphology and transcriptome profiling of Pseudomonas putida KT2440 and its mutants deficient in alginate or all EPS synthesis under controlled matric potentials. *MicrobiologyOpen*, **2014**, 3, 457-69	3.4	14
46	Extracellular DNA and F-actin as targets in antibiofilm cystic fibrosis therapy. *Future Microbiology*, **2009**, 4, 645-7	2.9	14
45	Bacteria can form interconnected microcolonies when a self-excreted product reduces their surface motility: evidence from individual-based model simulations. *Theory in Biosciences*, **2010**, 129, 1-13	1.3	14
44	Microbial pathogenesis and biofilm development. *Contributions To Microbiology*, **2005**, 12, 114-131		14
43	In-Frame and Unmarked Gene Deletions in Burkholderia cenocepacia via an Allelic Exchange System Compatible with Gateway Technology. *Applied and Environmental Microbiology*, **2015**, 81, 3623-30	4.8	13

42	Assessment of flhDC mRNA levels in Serratia liquefaciens swarm cells. *Journal of Bacteriology*, **2000**, 182, 2680-6	3.5	13
41	Two FtsH Proteases Contribute to Fitness and Adaptation of Clone C Strains. *Frontiers in Microbiology*, **2019**, 10, 1372	5.7	12
40	Draft Genome Sequence of the Model Naphthalene-Utilizing Organism Pseudomonas putida OUS82. *Genome Announcements*, **2014**, 2,		11
39	The Biofilm Lifestyle of Pseudomonads **2004**, 547-571		11
38	A mariner transposon vector adapted for mutagenesis in oral streptococci. *MicrobiologyOpen*, **2014**, 3, 333-40	3.4	10
37	Bacterial inhibiting surfaces caused by the effects of silver release and/or electrical field. *Electrochimica Acta*, **2008**, 54, 108-115	6.7	10
36	Identification of small molecules that interfere with c-di-GMP signaling and induce dispersal of Pseudomonas aeruginosa biofilms. *Npj Biofilms and Microbiomes*, **2021**, 7, 59	8.2	10
35	Key Players and Individualists of Cyclic-di-GMP Signaling in. *Frontiers in Microbiology*, **2018**, 9, 3286	5.7	9
34	The bactericidal activity of □lactam antibiotics is increased by metabolizable sugar species. *Microbiology (United Kingdom)*, **2015**, 161, 1999-2007	2.9	9
33	Biased 16S rDNA PCR amplification caused by interference from DNA flanking the template region		9
32	The Extracellular Polysaccharide Matrix of Pseudomonas aeruginosa Biofilms Is a Determinant of Polymorphonuclear Leukocyte Responses. *Infection and Immunity*, **2020**, 89,	3.7	9
31	Antibiotic Tolerance and Resistance in Biofilms **2010**, 215-229		9
30	Pseudomonas aeruginosa: A Model for Biofilm Formation215-253		8
29	Pseudomonas aeruginosa rhamnolipid induces fibrillation of human □synuclein and modulates its effect on biofilm formation. *FEBS Letters*, **2018**, 592, 1484-1496	3.8	7
28	Pseudomonas aeruginosa Microcolonies in Coronary Thrombi from Patients with ST-Segment Elevation Myocardial Infarction. *PLoS ONE*, **2016**, 11, e0168771	3.7	7
27	Pseudomonas aeruginosa LysR PA4203 regulator NmoR acts as a repressor of the PA4202 nmoA gene, encoding a nitronate monooxygenase. *Journal of Bacteriology*, **2015**, 197, 1026-39	3.5	6
26	Solid-phase synthesis and biological evaluation of N-dipeptido L-homoserine lactones as quorum sensing activators. *ChemBioChem*, **2014**, 15, 460-5	3.8	6
25	Characterization and transfer studies of macrolide resistance genes in Streptococcus pneumoniae from Denmark. *Scandinavian Journal of Infectious Diseases*, **2010**, 42, 586-93		6

24	Induction of Native c-di-GMP Phosphodiesterases Leads to Dispersal of Pseudomonas aeruginosa Biofilms. *Antimicrobial Agents and Chemotherapy*, **2021**, 65,	5.9	6
23	Biofilm Development **2015**, 51-66		5
22	CDy14: a novel biofilm probe targeting exopolysaccharide Psl. *Chemical Communications*, **2018**, 54, 11865-11868	5.8	3
21	H111 Produces a Water-Insoluble Exopolysaccharide in Biofilm: Structural Determination and Molecular Modelling. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
20	Sub-lethal antimicrobial photodynamic inactivation affects Pseudomonas aeruginosa PAO1 quorum sensing and cyclic di-GMP regulatory systems. *Photodiagnosis and Photodynamic Therapy*, **2019**, 27, 467-473	2.5	4
19	Gauging and Visualizing c-di-GMP Levels in Pseudomonas aeruginosa Using Fluorescence-Based Biosensors. *Methods in Molecular Biology*, **2017**, 1657, 87-98	1.4	4
18	Microbial Interactions in Mixed-Species Biofilms **2004**, 206-222		4
17	Inactivation of the Gene in Significantly Decreases Biofilm-Associated Antimicrobial Tolerance. *Microorganisms*, **2019**, 7,	4.9	3
16	Visualizing biofilm by targeting eDNA with long wavelength probe CDr15. *Biomaterials Science*, **2019**, 7, 3594-3598	7.4	3
15	Disruption of the Pseudomonas aeruginosa Tat system perturbs PQS-dependent quorum sensing and biofilm maturation through lack of the Rieske cytochrome bc1 sub-unit. *PLoS Pathogens*, **2021**, 17, e1009425	7.6	3
14	Absence of Bacteria on Coronary Angioplasty Balloons from Unselected Patients: Results with Use of a High Sensitivity Polymerase Chain Reaction Assay. *PLoS ONE*, **2015**, 10, e0145657	3.7	2
13	Biofilms can act as plasmid reserves in the absence of plasmid specific selection. *Npj Biofilms and Microbiomes*, **2021**, 7, 78	8.2	2
12	Carbon starvation of Pseudomonas aeruginosa biofilms selects for dispersal insensitive mutants. *BMC Microbiology*, **2021**, 21, 255	4.5	2
11	Transposon Mutagenesis in Streptococcus Species. *Methods in Molecular Biology*, **2019**, 2016, 39-49	1.4	1
10	Pattern differentiation in co-culture biofilms formed byStaphylococcus aureusandPseudomonas aeruginosa. *FEMS Immunology and Medical Microbiology*, **2011**, 63, 151-151		1
9	Interfering with Bacterial Gossip *Springer Series on Biofilms*, **2011**, 163-188		1
8	Solid-phase synthesis and biological evaluation of piperazine-based novel bacterial topoisomerase inhibitors.. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 57, 128499	2.9	1
7	Cyclic-di-GMP is required for corneal infection byPseudomonas aeruginosaand modulates host immunity		1

6	The biofilm of Burkholderia cenocepacia H111 contains an exopolysaccharide composed of l-rhamnose and l-mannose: Structural characterization and molecular modelling. *Carbohydrate Research*, **2021**, 499, 108231	2.9	1
5	SAR study of 4-arylazo-3,5-diamino-1-pyrazoles: identification of small molecules that induce dispersal of biofilms. *RSC Medicinal Chemistry*, **2021**, 12, 1868-1878	3.5	1
4	Redox Protein OsaR (PA0056) Regulates and the Oxidative Stress Response in Pseudomonas aeruginosa. *Antimicrobial Agents and Chemotherapy*, **2021**, 65,	5.9	1
3	Nitric-oxide-driven oxygen release in anoxic. *IScience*, **2021**, 24, 103404	6.1	0
2	High-Throughput Screening for Compounds that Modulate the Cellular c-di-GMP Level in Bacteria. *Methods in Molecular Biology*, **2017**, 1657, 455-470	1.4	
1	Extracellular DNA as Matrix Component in Microbial Biofilms. *Nucleic Acids and Molecular Biology*, **2010**, 1-14		