

Tim Tolker-Nielsen

List of Publications by Year in Descending Order

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

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	Nitric-oxide-driven oxygen release in anoxic. <i>IScience</i> , 2021 , 24, 103404	6.1	0
166	Solid-phase synthesis and biological evaluation of piperazine-based novel bacterial topoisomerase inhibitors.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021 , 57, 128499	2.9	1
165	Biofilms can act as plasmid reserves in the absence of plasmid specific selection. <i>Npj Biofilms and Microbiomes</i> , 2021 , 7, 78	8.2	2
164	Induction of Native c-di-GMP Phosphodiesterases Leads to Dispersal of <i>Pseudomonas aeruginosa</i> Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65,	5.9	6
163	The biofilm of <i>Burkholderia cenocepacia</i> H111 contains an exopolysaccharide composed of l-rhamnose and l-mannose: Structural characterization and molecular modelling. <i>Carbohydrate Research</i> , 2021 , 499, 108231	2.9	1
162	SAR study of 4-arylazo-3,5-diamino-1-pyrazoles: identification of small molecules that induce dispersal of biofilms. <i>RSC Medicinal Chemistry</i> , 2021 , 12, 1868-1878	3.5	1
161	Redox Protein OsaR (PA0056) Regulates and the Oxidative Stress Response in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65,	5.9	1
160	Immune Responses to Biofilm Infections. <i>Frontiers in Immunology</i> , 2021 , 12, 625597	8.4	18
159	Identification of small molecules that interfere with c-di-GMP signaling and induce dispersal of <i>Pseudomonas aeruginosa</i> biofilms. <i>Npj Biofilms and Microbiomes</i> , 2021 , 7, 59	8.2	10
158	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
157	Carbon starvation of <i>Pseudomonas aeruginosa</i> biofilms selects for dispersal insensitive mutants. <i>BMC Microbiology</i> , 2021 , 21, 255	4.5	2
156	H111 Produces a Water-Insoluble Exopolysaccharide in Biofilm: Structural Determination and Molecular Modelling. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
155	The Extracellular Polysaccharide Matrix of <i>Pseudomonas aeruginosa</i> Biofilms Is a Determinant of Polymorphonuclear Leukocyte Responses. <i>Infection and Immunity</i> , 2020 , 89,	3.7	9
154	Inactivation of the Gene in Significantly Decreases Biofilm-Associated Antimicrobial Tolerance. <i>Microorganisms</i> , 2019 , 7,	4.9	3
153	Transposon Mutagenesis in <i>Streptococcus</i> Species. <i>Methods in Molecular Biology</i> , 2019 , 2016, 39-49	1.4	1
152	Tolerance and Resistance of Biofilms to Antimicrobial Agents-How Can Escape Antibiotics. <i>Frontiers in Microbiology</i> , 2019 , 10, 913	5.7	216
151	<i>P. aeruginosa</i> flow-cell biofilms are enhanced by repeated phage treatments but can be eradicated by phage-ciprofloxacin combination. <i>Pathogens and Disease</i> , 2019 , 77,	4.2	33

150	Visualizing biofilm by targeting eDNA with long wavelength probe CDr15. <i>Biomaterials Science</i> , 2019 , 7, 3594-3598	7.4	3
149	Two FtsH Proteases Contribute to Fitness and Adaptation of Clone C Strains. <i>Frontiers in Microbiology</i> , 2019 , 10, 1372	5.7	12
148	Sub-lethal antimicrobial photodynamic inactivation affects <i>Pseudomonas aeruginosa</i> PAO1 quorum sensing and cyclic di-GMP regulatory systems. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019 , 27, 467-473	2.5	4
147	Small Molecule Anti-biofilm Agents Developed on the Basis of Mechanistic Understanding of Biofilm Formation. <i>Frontiers in Chemistry</i> , 2019 , 7, 742	5	40
146	High levels of cAMP inhibit <i>Pseudomonas aeruginosa</i> biofilm formation through reduction of the c-di-GMP content. <i>Microbiology (United Kingdom)</i> , 2019 , 165, 324-333	2.9	16
145	Oxidative stress response plays a role in antibiotic tolerance of <i>Streptococcus mutans</i> biofilms. <i>Microbiology (United Kingdom)</i> , 2019 , 165, 334-342	2.9	15
144	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
143	Key Players and Individualists of Cyclic-di-GMP Signaling in. <i>Frontiers in Microbiology</i> , 2018 , 9, 3286	5.7	9
142	<i>Pseudomonas aeruginosa</i> rhamnolipid induces fibrillation of human β -synuclein and modulates its effect on biofilm formation. <i>FEBS Letters</i> , 2018 , 592, 1484-1496	3.8	7
141	The Inoculation Method Could Impact the Outcome of Microbiological Experiments. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	37
140	A transposon mutant library of <i>Bacillus cereus</i> ATCC 10987 reveals novel genes required for biofilm formation and implicates motility as an important factor for pellicle-biofilm formation. <i>MicrobiologyOpen</i> , 2018 , 7, e00552	3.4	22
139	CDy14: a novel biofilm probe targeting exopolysaccharide Psl. <i>Chemical Communications</i> , 2018 , 54, 11865-11866	5.3	3
138	Importance of the Exopolysaccharide Matrix in Antimicrobial Tolerance of <i>Pseudomonas aeruginosa</i> Aggregates. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	46
137	Regulation of <i>Burkholderia cenocepacia</i> biofilm formation by RpoN and the c-di-GMP effector BerB. <i>MicrobiologyOpen</i> , 2017 , 6, e00480	3.4	17
136	Selective Proteomic Analysis of Antibiotic-Tolerant Cellular Subpopulations in Biofilms. <i>MBio</i> , 2017 , 8,	7.8	31
135	A broad range quorum sensing inhibitor working through sRNA inhibition. <i>Scientific Reports</i> , 2017 , 7, 9857	4.9	45
134	High-Throughput Screening for Compounds that Modulate the Cellular c-di-GMP Level in Bacteria. <i>Methods in Molecular Biology</i> , 2017 , 1657, 455-470	1.4	
133	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

132	Bacterial Biofilm Control by Perturbation of Bacterial Signaling Processes. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	40
131	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
130	High intracellular c-di-GMP levels antagonize quorum sensing and virulence gene expression in Burkholderia cenocepacia H111. <i>Microbiology (United Kingdom)</i> , 2017 , 163, 754-764	2.9	21
129	The dlt genes play a role in antimicrobial tolerance of Streptococcus mutans biofilms. <i>International Journal of Antimicrobial Agents</i> , 2016 , 48, 298-304	14.3	36
128	Selective labelling and eradication of antibiotic-tolerant bacterial populations in Pseudomonas aeruginosa biofilms. <i>Nature Communications</i> , 2016 , 7, 10750	17.4	91
127	The anti-cancerous drug doxorubicin decreases the c-di-GMP content in Pseudomonas aeruginosa but promotes biofilm formation. <i>Microbiology (United Kingdom)</i> , 2016 , 162, 1797-1807	2.9	15
126	Pseudomonas aeruginosa Microcolonies in Coronary Thrombi from Patients with ST-Segment Elevation Myocardial Infarction. <i>PLoS ONE</i> , 2016 , 11, e0168771	3.7	7
125	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
124	Cranberry () oligosaccharides decrease biofilm formation by uropathogenic. <i>Journal of Functional Foods</i> , 2015 , 17, 235-242	5.1	43
123	Multiple diguanylate cyclase-coordinated regulation of pyoverdine synthesis in Pseudomonas aeruginosa. <i>Environmental Microbiology Reports</i> , 2015 , 7, 498-507	3.7	28
122	In-Frame and Unmarked Gene Deletions in Burkholderia cenocepacia via an Allelic Exchange System Compatible with Gateway Technology. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 3623-30	4.8	13
121	The Cyclic AMP-Vfr Signaling Pathway in Pseudomonas aeruginosa Is Inhibited by Cyclic Di-GMP. <i>Journal of Bacteriology</i> , 2015 , 197, 2190-200	3.5	50
120	Precision-engineering the Pseudomonas aeruginosa genome with two-step allelic exchange. <i>Nature Protocols</i> , 2015 , 10, 1820-41	18.8	200
119	Pseudomonas aeruginosa Biofilm Infections: Community Structure, Antimicrobial Tolerance and Immune Response. <i>Journal of Molecular Biology</i> , 2015 , 427, 3628-45	6.5	138
118	Antimicrobial resistance, respiratory tract infections and role of biofilms in lung infections in cystic fibrosis patients. <i>Advanced Drug Delivery Reviews</i> , 2015 , 85, 7-23	18.5	181
117	Pseudomonas aeruginosa LysR PA4203 regulator NmoR acts as a repressor of the PA4202 nmoA gene, encoding a nitronate monooxygenase. <i>Journal of Bacteriology</i> , 2015 , 197, 1026-39	3.5	6
116	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
115	Biofilm Development. <i>Microbiology Spectrum</i> , 2015 , 3, MB-0001-2014	8.9	85

114	In silico analyses of metagenomes from human atherosclerotic plaque samples. <i>Microbiome</i> , 2015 , 3, 38	16.6	52
113	Biofilm Development 2015 , 51-66		5
112	The bactericidal activity of β -lactam antibiotics is increased by metabolizable sugar species. <i>Microbiology (United Kingdom)</i> , 2015 , 161, 1999-2007	2.9	9
111	Functional bacterial amyloid increases <i>Pseudomonas</i> biofilm hydrophobicity and stiffness. <i>Frontiers in Microbiology</i> , 2015 , 6, 1099	5.7	93
110	Viable bacteria associated with red blood cells and plasma in freshly drawn blood donations. <i>PLoS ONE</i> , 2015 , 10, e0120826	3.7	62
109	C-di-GMP regulates <i>Pseudomonas aeruginosa</i> stress response to tellurite during both planktonic and biofilm modes of growth. <i>Scientific Reports</i> , 2015 , 5, 10052	4.9	46
108	Triazole-containing N-acyl homoserine lactones targeting the quorum sensing system in <i>Pseudomonas aeruginosa</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 1638-50	3.4	27
107	Absence of Bacteria on Coronary Angioplasty Balloons from Unselected Patients: Results with Use of a High Sensitivity Polymerase Chain Reaction Assay. <i>PLoS ONE</i> , 2015 , 10, e0145657	3.7	2
106	Lipopeptide biosurfactant viscosin enhances dispersal of <i>Pseudomonas fluorescens</i> SBW25 biofilms. <i>Microbiology (United Kingdom)</i> , 2015 , 161, 2289-97	2.9	36
105	Pigments influence the tolerance of <i>Pseudomonas aeruginosa</i> PAO1 to photodynamically induced oxidative stress. <i>Microbiology (United Kingdom)</i> , 2015 , 161, 2298-309	2.9	37
104	Solid-phase synthesis and biological evaluation of N-dipeptido L-homoserine lactones as quorum sensing activators. <i>ChemBioChem</i> , 2014 , 15, 460-5	3.8	6
103	A mariner transposon vector adapted for mutagenesis in oral streptococci. <i>MicrobiologyOpen</i> , 2014 , 3, 333-40	3.4	10
102	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
101	Antimicrobial and anti-biofilm effect of a novel BODIPY photosensitizer against <i>Pseudomonas aeruginosa</i> PAO1. <i>Biofouling</i> , 2014 , 30, 883-91	3.3	33
100	Regulation of biofilm formation in <i>Pseudomonas</i> and <i>Burkholderia</i> species. <i>Environmental Microbiology</i> , 2014 , 16, 1961-81	5.2	179
99	The <i>Pseudomonas aeruginosa</i> type III translocon is required for biofilm formation at the epithelial barrier. <i>PLoS Pathogens</i> , 2014 , 10, e1004479	7.6	30
98	Draft Genome Sequence of the Model Naphthalene-Utilizing Organism <i>Pseudomonas putida</i> OUS82. <i>Genome Announcements</i> , 2014 , 2,		11
97	Colony morphology and transcriptome profiling of <i>Pseudomonas putida</i> KT2440 and its mutants deficient in alginate or all EPS synthesis under controlled matrix potentials. <i>MicrobiologyOpen</i> , 2014 , 3, 457-69	3.4	14

96	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
95	<i>Pseudomonas aeruginosa</i> biofilm infections: from molecular biofilm biology to new treatment possibilities. <i>Apmis</i> , 2014 , 122, 1-51	3.4	73
94	Bacteria-triggered release of antimicrobial agents. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 439-41	16.4	76
93	Methods for studying biofilm formation: flow cells and confocal laser scanning microscopy. <i>Methods in Molecular Biology</i> , 2014 , 1149, 615-29	1.4	32
92	PNA-based fluorescence in situ hybridization for identification of bacteria in clinical samples. <i>Methods in Molecular Biology</i> , 2014 , 1211, 261-71	1.4	16
91	Synthesis and biological evaluation of triazole-containing N-acyl homoserine lactones as quorum sensing modulators. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 938-54	3.9	44
90	The exopolysaccharide gene cluster Bcam1330-Bcam1341 is involved in <i>Burkholderia cenocepacia</i> biofilm formation, and its expression is regulated by c-di-GMP and Bcam1349. <i>MicrobiologyOpen</i> , 2013 , 2, 105-22	3.4	39
89	Identification of LasR ligands through a virtual screening approach. <i>ChemMedChem</i> , 2013 , 8, 157-63	3.7	16
88	Biofilm formation by <i>Staphylococcus epidermidis</i> on peritoneal dialysis catheters and the effects of extracellular products from <i>Pseudomonas aeruginosa</i> . <i>Pathogens and Disease</i> , 2013 , 67, 192-8	4.2	15
87	Extracellular DNA shields against aminoglycosides in <i>Pseudomonas aeruginosa</i> biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 2352-61	5.9	206
86	Clearance of <i>Pseudomonas aeruginosa</i> foreign-body biofilm infections through reduction of the cyclic Di-GMP level in the bacteria. <i>Infection and Immunity</i> , 2013 , 81, 2705-13	3.7	67
85	Bis-(3'-5')-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
84	Expression of Fap amyloids in <i>Pseudomonas aeruginosa</i> , <i>P. fluorescens</i> , and <i>P. putida</i> results in aggregation and increased biofilm formation. <i>MicrobiologyOpen</i> , 2013 , 2, 365-82	3.4	105
83	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
82	When the PilZ don't work: effectors for cyclic di-GMP action in bacteria. <i>Trends in Microbiology</i> , 2012 , 20, 235-42	12.4	71
81	Fluorescence-based reporter for gauging cyclic di-GMP levels in <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2012 , 78, 5060-9	4.8	153
80	The metabolically active subpopulation in <i>Pseudomonas aeruginosa</i> biofilms survives exposure to membrane-targeting antimicrobials via distinct molecular mechanisms. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 245-56		45
79	Bursting the bubble on bacterial biofilms: a flow cell methodology. <i>Biofouling</i> , 2012 , 28, 835-42	3.3	75

78	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
77	Phenotypes of non-attached <i>Pseudomonas aeruginosa</i> aggregates resemble surface attached biofilm. <i>PLoS ONE</i> , 2011 , 6, e27943	3.7	173
76	Influence of putative exopolysaccharide genes on <i>Pseudomonas putida</i> KT2440 biofilm stability. <i>Environmental Microbiology</i> , 2011 , 13, 1357-69	5.2	68
75	The CRP/FNR family protein Bcam1349 is a c-di-GMP effector that regulates biofilm formation in the respiratory pathogen <i>Burkholderia cenocepacia</i> . <i>Molecular Microbiology</i> , 2011 , 82, 327-41	4.1	102
74	Quantitative analysis of the cellular inflammatory response against biofilm bacteria in chronic wounds. <i>Wound Repair and Regeneration</i> , 2011 , 19, 387-91	3.6	98
73	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
72	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
71	The clinical impact of bacterial biofilms. <i>International Journal of Oral Science</i> , 2011 , 3, 55-65	27.9	486
70	Growing and analyzing biofilms in flow chambers. <i>Current Protocols in Microbiology</i> , 2011 , Chapter 1, Unit 1B.2	7.1	54
69	The implication of <i>Pseudomonas aeruginosa</i> biofilms in infections. <i>Inflammation and Allergy: Drug Targets</i> , 2011 , 10, 141-57		42
68	Interfering with Bacterial Gossip □ <i>Springer Series on Biofilms</i> , 2011 , 163-188		1
67	The contribution of cell-cell signaling and motility to bacterial biofilm formation. <i>MRS Bulletin</i> , 2011 , 36, 367-373	3.2	72
66	An update on <i>Pseudomonas aeruginosa</i> biofilm formation, tolerance, and dispersal. <i>FEMS Immunology and Medical Microbiology</i> , 2010 , 59, 253-68		241
65	Biofilms in chronic infections - a matter of opportunity - monospecies biofilms in multispecies infections. <i>FEMS Immunology and Medical Microbiology</i> , 2010 , 59, 324-36		269
64	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
63	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
62	Interference of <i>Pseudomonas aeruginosa</i> signalling and biofilm formation for infection control. <i>Expert Reviews in Molecular Medicine</i> , 2010 , 12, e11	6.7	77
61	<i>Burkholderia</i> type VI secretion systems have distinct roles in eukaryotic and bacterial cell interactions. <i>PLoS Pathogens</i> , 2010 , 6, e1001068	7.6	274

60	Quorum sensing and virulence of <i>Pseudomonas aeruginosa</i> during lung infection of cystic fibrosis patients. <i>PLoS ONE</i> , 2010 , 5, e10115	3.7	172
59	Extracellular DNA as Matrix Component in Microbial Biofilms. <i>Nucleic Acids and Molecular Biology</i> , 2010 , 1-14		
58	Characterization and transfer studies of macrolide resistance genes in <i>Streptococcus pneumoniae</i> from Denmark. <i>Scandinavian Journal of Infectious Diseases</i> , 2010 , 42, 586-93		6
57	Bacteria can form interconnected microcolonies when a self-excreted product reduces their surface motility: evidence from individual-based model simulations. <i>Theory in Biosciences</i> , 2010 , 129, 1-13	1.3	14
56	Influence of silver additions to type 316 stainless steels on bacterial inhibition, mechanical properties, and corrosion resistance. <i>Materials Chemistry and Physics</i> , 2010 , 119, 123-130	4.4	24
55	Antibiotic Tolerance and Resistance in Biofilms 2010 , 215-229		9
54	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
53	Extracellular DNA and F-actin as targets in antibiofilm cystic fibrosis therapy. <i>Future Microbiology</i> , 2009 , 4, 645-7	2.9	14
52	Nonrandom distribution of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> in chronic wounds. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 4084-9	9.7	301
51	Silver-palladium surfaces inhibit biofilm formation. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 1674-8	4.8	27
50	Insight into the microbial multicellular lifestyle via flow-cell technology and confocal microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009 , 75, 90-103	4.6	92
49	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
48	Inactivation of the <i>rhlA</i> gene in <i>Pseudomonas aeruginosa</i> prevents rhamnolipid production, disabling the protection against polymorphonuclear leukocytes. <i>Apmis</i> , 2009 , 117, 537-46	3.4	143
47	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
46	Detection of bacteria by fluorescence in situ hybridization in culture-negative soft tissue filler lesions. <i>Dermatologic Surgery</i> , 2009 , 35 Suppl 2, 1620-4	1.7	97
45	<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
44	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
43	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

42	Tolerance to the antimicrobial peptide colistin in <i>Pseudomonas aeruginosa</i> biofilms is linked to metabolically active cells, and depends on the <i>pmr</i> and <i>mexAB-oprM</i> genes. <i>Molecular Microbiology</i> , 2008 , 68, 223-40	4.1	349
41	Pattern formation in <i>Pseudomonas aeruginosa</i> biofilms. <i>Current Opinion in Microbiology</i> , 2008 , 11, 560-67.9		76
40	Distribution, organization, and ecology of bacteria in chronic wounds. <i>Journal of Clinical Microbiology</i> , 2008 , 46, 2717-22	9.7	364
39	Effects of antibiotics on quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 3648-63	5.9	262
38	Bacterial inhibiting surfaces caused by the effects of silver release and/or electrical field. <i>Electrochimica Acta</i> , 2008 , 54, 108-115	6.7	10
37	Architecture and spatial organization in a triple-species bacterial biofilm synergistically degrading the phenylurea herbicide linuron. <i>FEMS Microbiology Ecology</i> , 2008 , 64, 271-82	4.3	50
36	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
35	Differentiation and distribution of colistin- and sodium dodecyl sulfate-tolerant cells in <i>Pseudomonas aeruginosa</i> biofilms. <i>Journal of Bacteriology</i> , 2007 , 189, 28-37	3.5	153
34	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
33	DNase1L2 suppresses biofilm formation by <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>British Journal of Dermatology</i> , 2007 , 156, 1342-5	4	64
32	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
31	Multiple roles of biosurfactants in structural biofilm development by <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2007 , 189, 2531-9	3.5	284
30	Characterization of a <i>Pseudomonas putida</i> rough variant evolved in a mixed-species biofilm with <i>Acinetobacter</i> sp. strain C6. <i>Journal of Bacteriology</i> , 2007 , 189, 4932-43	3.5	67
29	Advances in nucleic acid-based diagnostics of bacterial infections. <i>Clinica Chimica Acta</i> , 2007 , 384, 1-11	6.2	97
28	Growing and analyzing biofilms in flow cells. <i>Current Protocols in Microbiology</i> , 2006 , Chapter 1, Unit 1B.7.1		55
27	Dynamics of development and dispersal in sessile microbial communities: examples from <i>Pseudomonas aeruginosa</i> and <i>Pseudomonas putida</i> model biofilms. <i>FEMS Microbiology Letters</i> , 2006 , 261, 1-11	2.9	107
26	Proteins with GGDEF and EAL domains regulate <i>Pseudomonas putida</i> biofilm formation and dispersal. <i>FEMS Microbiology Letters</i> , 2006 , 265, 215-24	2.9	78
25	A characterization of DNA release in <i>Pseudomonas aeruginosa</i> cultures and biofilms. <i>Molecular Microbiology</i> , 2006 , 59, 1114-28	4.1	719

24	Microbial pathogenesis and biofilm development. <i>Contributions To Microbiology</i> , 2005 , 12, 114-131		14
23	Characterization of starvation-induced dispersion in <i>Pseudomonas putida</i> biofilms. <i>Environmental Microbiology</i> , 2005 , 7, 894-906	5.2	202
22	<i>Pseudomonas aeruginosa</i> fimL regulates multiple virulence functions by intersecting with Vfr-modulated pathways. <i>Molecular Microbiology</i> , 2005 , 55, 1357-78	4.1	79
21	Microbial Interactions in Mixed-Species Biofilms 2004 , 206-222		4
20	The Biofilm Lifestyle of Pseudomonads 2004 , 547-571		11
19	Gene transfer occurs with enhanced efficiency in biofilms and induces enhanced stabilisation of the biofilm structure. <i>Current Opinion in Biotechnology</i> , 2003 , 14, 255-61	11.4	464
18	Involvement of bacterial migration in the development of complex multicellular structures in <i>Pseudomonas aeruginosa</i> biofilms. <i>Molecular Microbiology</i> , 2003 , 50, 61-8	4.1	413
17	Biofilm formation by <i>Pseudomonas aeruginosa</i> wild type, flagella and type IV pili mutants. <i>Molecular Microbiology</i> , 2003 , 48, 1511-24	4.1	740
16	Cell death in <i>Pseudomonas aeruginosa</i> biofilm development. <i>Journal of Bacteriology</i> , 2003 , 185, 4585-92, 5		457
15	Statistical analysis of <i>Pseudomonas aeruginosa</i> biofilm development: impact of mutations in genes involved in twitching motility, cell-to-cell signaling, and stationary-phase sigma factor expression. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 2008-17	4.8	241
14	Extracellular DNA required for bacterial biofilm formation. <i>Science</i> , 2002 , 295, 1487	33.3	1451
13	Role of commensal relationships on the spatial structure of a surface-attached microbial consortium. <i>Environmental Microbiology</i> , 2000 , 2, 59-68	5.2	152
12	Development and dynamics of <i>Pseudomonas</i> sp. biofilms. <i>Journal of Bacteriology</i> , 2000 , 182, 6482-9	3.5	261
11	Assessment of flhDC mRNA levels in <i>Serratia liquefaciens</i> swarm cells. <i>Journal of Bacteriology</i> , 2000 , 182, 2680-6	3.5	13
10	In situ reverse transcription-PCR for monitoring gene expression in individual <i>Methanosarcina mazei</i> S-6 cells. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 1796-800	4.8	23
9	Inhibition of <i>Escherichia coli</i> precursor-16S rRNA processing by mouse intestinal contents. <i>Environmental Microbiology</i> , 1999 , 1, 23-32	5.2	44
8	Physiological states of individual <i>Salmonella typhimurium</i> cells monitored by in situ reverse transcription-PCR. <i>Journal of Bacteriology</i> , 1999 , 181, 1733-8	3.5	34
7	Biased 16S rDNA PCR amplification caused by interference from DNA flanking the template region. <i>FEMS Microbiology Ecology</i> , 1998 , 26, 141-149	4.3	166

6	Non-genetic population heterogeneity studied by in situ polymerase chain reaction. <i>Molecular Microbiology</i> , 1998 , 27, 1099-105	4.1	56
5	Effects of stress treatments on the detection of <i>Salmonella typhimurium</i> by in situ hybridization. <i>International Journal of Food Microbiology</i> , 1997 , 35, 251-8	5.8	37
4	Role of ribosome degradation in the death of heat-stressed <i>Salmonella typhimurium</i> . <i>FEMS Microbiology Letters</i> , 1996 , 142, 155-60	2.9	41
3	<i>Pseudomonas aeruginosa</i> : A Model for Biofilm Formation 215-253		8
2	Biased 16S rDNA PCR amplification caused by interference from DNA flanking the template region		9
1	Cyclic-di-GMP is required for corneal infection by <i>Pseudomonas aeruginosa</i> and modulates host immunity		1