

Michael Givskov

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.

302
papers

36,607
citations

101
h-index

187
g-index

311
ext. papers

41,003
ext. citations

5.5
avg, IF

6.98
L-index

#	Paper	IF	Citations
302	Adaptation to an amoeba host leads to isolates with attenuated virulence.. <i>Applied and Environmental Microbiology</i> , 2022 , aem0232221	4.8	0
301	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
300	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
299	Bacterial genotoxins induce T cell senescence. <i>Cell Reports</i> , 2021 , 35, 109220	10.6	3
298	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
297	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
296	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
295	Carbon starvation of <i>Pseudomonas aeruginosa</i> biofilms selects for dispersal insensitive mutants. <i>BMC Microbiology</i> , 2021 , 21, 255	4.5	2
294	Transcriptional Activity of Predominant Species at Multiple Oral Sites Associate With Periodontal Status. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 752664	5.9	2
293	Periodontitis associates with species-specific gene expression of the oral microbiota. <i>Npj Biofilms and Microbiomes</i> , 2021 , 7, 76	8.2	4
292	Early IL-2 treatment of mice with <i>Pseudomonas aeruginosa</i> pneumonia induced PMN-dominating response and reduced lung pathology. <i>Apmis</i> , 2020 , 128, 647-653	3.4	1
291	Reactivity and Synthetic Applications of Multicomponent Petasis Reactions. <i>Chemical Reviews</i> , 2019 , 119, 11245-11290	68.1	102
290	Inactivation of the Gene in Significantly Decreases Biofilm-Associated Antimicrobial Tolerance. <i>Microorganisms</i> , 2019 , 7,	4.9	3
289	Transposon Mutagenesis in <i>Streptococcus</i> Species. <i>Methods in Molecular Biology</i> , 2019 , 2016, 39-49	1.4	1
288	Antibiotics inhibit tumor and disease activity in cutaneous T-cell lymphoma. <i>Blood</i> , 2019 , 134, 1072-1083	2.2	54
287	Visualizing biofilm by targeting eDNA with long wavelength probe CDr15. <i>Biomaterials Science</i> , 2019 , 7, 3594-3598	7.4	3
286	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

285	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
284	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
283	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
282	Key Players and Individualists of Cyclic-di-GMP Signaling in. <i>Frontiers in Microbiology</i> , 2018 , 9, 3286	5.7	9
281	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
280	The Bacterial Toxin CNF1 Induces Activation and Maturation of Human Monocyte-Derived Dendritic Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	5
279	Characterization of a novel multidrug resistance plasmid pSGB23 isolated from subspecies enterica serovar Saintpaul. <i>Gut Pathogens</i> , 2018 , 10, 20	5.4	4
278	Acquisition of resistance to carbapenem and macrolide-mediated quorum sensing inhibition by via ICE. <i>Communications Biology</i> , 2018 , 1, 57	6.7	18
277	Itaconimides as Novel Quorum Sensing Inhibitors of. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 443	5.9	21
276	Imaging N-Acyl Homoserine Lactone Quorum Sensing In Vivo. <i>Methods in Molecular Biology</i> , 2018 , 1673, 203-212	1.4	2
275	Qualitative and Quantitative Determination of Quorum Sensing Inhibition In Vitro. <i>Methods in Molecular Biology</i> , 2018 , 1673, 275-285	1.4	2
274	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
273	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
272	Interleukin-26 (IL-26) is a novel anti-microbial peptide produced by T cells in response to staphylococcal enterotoxin. <i>Oncotarget</i> , 2018 , 9, 19481-19489	3.3	11
271	CDy14: a novel biofilm probe targeting exopolysaccharide Psl. <i>Chemical Communications</i> , 2018 , 54, 11865-11868	5.8	1868
270	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
269	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
268	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

267	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
266	Cholesterol crystals enhance TLR2- and TLR4-mediated pro-inflammatory cytokine responses of monocytes to the proatherogenic oral bacterium <i>Porphyromonas gingivalis</i> . <i>PLoS ONE</i> , 2017 , 12, e0172737	3.7	16
265	A broad range quorum sensing inhibitor working through sRNA inhibition. <i>Scientific Reports</i> , 2017 , 7, 9857	4.9	45
264	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	
263	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
262	Evaluation of Biofilm Dispersal as a Therapeutic Strategy To Restore Antimicrobial Efficacy. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	14
261	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
260	Kinase Inhibitors. <i>Methods and Principles in Medicinal Chemistry</i> , 2017 , 31-53	0.4	1
259	Discovery of novel antimycobacterial drug therapy in biofilm of pathogenic nontuberculous mycobacterial keratitis. <i>Ocular Surface</i> , 2017 , 15, 770-783	6.5	10
258	Fusaric acid and analogues as Gram-negative bacterial quorum sensing inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017 , 126, 1011-1020	6.8	36
257	Bacterial Biofilm Control by Perturbation of Bacterial Signaling Processes. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	40
256	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
255	The <i>dlt</i> genes play a role in antimicrobial tolerance of <i>Streptococcus mutans</i> biofilms. <i>International Journal of Antimicrobial Agents</i> , 2016 , 48, 298-304	14.3	36
254	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
253	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
252	Biofilms of Pathogenic Nontuberculous Mycobacteria Targeted by New Therapeutic Approaches. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 24-35	5.9	41
251	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
250	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

249	<i>Pseudomonas aeruginosa</i> Microcolonies in Coronary Thrombi from Patients with ST-Segment Elevation Myocardial Infarction. <i>PLoS ONE</i> , 2016 , 11, e0168771	3.7	7
248	Combining the Petasis 3-component reaction with multiple modes of cyclization: a build/couple/pair strategy for the synthesis of densely functionalized small molecules. <i>ACS Combinatorial Science</i> , 2015 , 17, 19-23	3.9	13
247	Functional amyloids keep quorum-sensing molecules in check. <i>Journal of Biological Chemistry</i> , 2015 , 290, 6457-69	5.4	55
246	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
245	Cranberry () oligosaccharides decrease biofilm formation by uropathogenic. <i>Journal of Functional Foods</i> , 2015 , 17, 235-242	5.1	43
244	Synthesis of Substituted β -lactams through Mannich-Type Reactions of Solid-Supported N-Acyliminium Ions. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 3524-3530	3.2	5
243	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
242	In-Frame and Unmarked Gene Deletions in <i>Burkholderia cenocepacia</i> via an Allelic Exchange System Compatible with Gateway Technology. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 3623-30	4.8	13
241	The Cyclic AMP-Vfr Signaling Pathway in <i>Pseudomonas aeruginosa</i> Is Inhibited by Cyclic Di-GMP. <i>Journal of Bacteriology</i> , 2015 , 197, 2190-200	3.5	50
240	<i>Pseudomonas aeruginosa</i> Biofilm Infections: Community Structure, Antimicrobial Tolerance and Immune Response. <i>Journal of Molecular Biology</i> , 2015 , 427, 3628-45	6.5	138
239	Antibiofilm Properties of Acetic Acid. <i>Advances in Wound Care</i> , 2015 , 4, 363-372	4.8	70
238	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
237	Chemical Biology Strategies for Biofilm Control. <i>Microbiology Spectrum</i> , 2015 , 3,	8.9	12
236	Spatially extensive microbial biogeography of the Indian Ocean provides insights into the unique community structure of a pristine coral atoll. <i>Scientific Reports</i> , 2015 , 5, 15383	4.9	19
235	In silico analyses of metagenomes from human atherosclerotic plaque samples. <i>Microbiome</i> , 2015 , 3, 38	16.6	52
234	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
233	Chemical Biology Strategies for Biofilm Control 2015 , 363-372		
232	RpoN Regulates Virulence Factors of <i>Pseudomonas aeruginosa</i> via Modulating the PqsR Quorum Sensing Regulator. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 28311-9	6.3	27

231	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
230	Complete Genome Sequence and Transcriptomic Analysis of the Novel Pathogen <i>Elizabethkingia anophelis</i> in Response to Oxidative Stress. <i>Genome Biology and Evolution</i> , 2015 , 7, 1676-85	3.9	26
229	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
228	Autofluorescence in samples obtained from chronic biofilm infections--"all that glitters is not gold". <i>Pathogens and Disease</i> , 2015 , 73,	4.2	12
227	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
226	<i>Pseudomonas aeruginosa</i> biofilms: mechanisms of immune evasion. <i>Advances in Applied Microbiology</i> , 2014 , 86, 1-40	4.9	117
225	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
224	A mariner transposon vector adapted for mutagenesis in oral streptococci. <i>MicrobiologyOpen</i> , 2014 , 3, 333-40	3.4	10
223	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
222	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
221	Regulation of biofilm formation in <i>Pseudomonas</i> and <i>Burkholderia</i> species. <i>Environmental Microbiology</i> , 2014 , 16, 1961-81	5.2	179
220	Population dynamics of an <i>Acinetobacter baumannii</i> clonal complex during colonization of patients. <i>Journal of Clinical Microbiology</i> , 2014 , 52, 3200-8	9.7	22
219	Comparative genomic analysis of malaria mosquito vector-associated novel pathogen <i>Elizabethkingia anophelis</i> . <i>Genome Biology and Evolution</i> , 2014 , 6, 1158-65	3.9	40
218	Bacteria-Triggered Release of Antimicrobial Agents. <i>Angewandte Chemie</i> , 2014 , 126, 449-451	3.6	7
217	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
216	The common oceanographer: crowdsourcing the collection of oceanographic data. <i>PLoS Biology</i> , 2014 , 12, e1001947	9.7	27
215	Synthesis of 4-Halogenated 3-Fluoro-6-methoxyquinolines: Key Building Blocks for the Synthesis of Antibiotics. <i>Synthesis</i> , 2014 , 46, 3263-3267	2.9	2
214	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

213	Origin and evolution of European community-acquired methicillin-resistant <i>Staphylococcus aureus</i> . <i>MBio</i> , 2014 , 5, e01044-14	7.8	75
212	Bacteria-triggered release of antimicrobial agents. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 439-41	16.4	76
211	Bacterial biofilm formation and treatment in soft tissue fillers. <i>Pathogens and Disease</i> , 2014 , 70, 339-46	4.2	37
210	Emerging frontiers in detection and control of bacterial biofilms. <i>Current Opinion in Biotechnology</i> , 2014 , 26, 1-6	11.4	69
209	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
208	Protoanemonin: a natural quorum sensing inhibitor that selectively activates iron starvation response. <i>Environmental Microbiology</i> , 2013 , 15, 111-20	5.2	30
207	Targeting quorum sensing in <i>Pseudomonas aeruginosa</i> biofilms: current and emerging inhibitors. <i>Future Microbiology</i> , 2013 , 8, 901-21	2.9	70
206	Applying insights from biofilm biology to drug development - can a new approach be developed?. <i>Nature Reviews Drug Discovery</i> , 2013 , 12, 791-808	64.1	340
205	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
204	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
203	Identification of LasR ligands through a virtual screening approach. <i>ChemMedChem</i> , 2013 , 8, 157-63	3.7	16
202	First case of <i>E. anophelis</i> outbreak in an intensive-care unit. <i>Lancet, The</i> , 2013 , 382, 855-6	40	63
201	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
200	Extracellular DNA shields against aminoglycosides in <i>Pseudomonas aeruginosa</i> biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 2352-61	5.9	206
199	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
198	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
197	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
196	Comparative transcriptomic analysis of the <i>Burkholderia cepacia</i> tyrosine kinase <i>bceF</i> mutant reveals a role in tolerance to stress, biofilm formation, and virulence. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 3009-20	4.8	25

195	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
194	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
193	Identification of <i>Burkholderia cenocepacia</i> strain H111 virulence factors using nonmammalian infection hosts. <i>Infection and Immunity</i> , 2013 , 81, 143-53	3.7	29
192	Kinetic model for signal binding to the Quorum sensing regulator LasR. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 13360-76	6.3	5
191	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
190	Complete genome sequence of the cystic fibrosis pathogen <i>Achromobacter xylosoxidans</i> NH44784-1996 complies with important pathogenic phenotypes. <i>PLoS ONE</i> , 2013 , 8, e68484	3.7	59
189	Combination of microscopic techniques reveals a comprehensive visual impression of biofilm structure and composition. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 335-42		80
188	Solid-phase synthesis of structurally diverse heterocycles by an amide-ketone condensation/N-acyliminium Pictet-Spengler sequence. <i>Chemistry - A European Journal</i> , 2012 , 18, 16793-800	4.8	18
187	Food as a source for quorum sensing inhibitors: Iberin from horseradish revealed as a quorum sensing inhibitor of <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2012 , 78, 2410-2418	4.8	150
186	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
185	Ajoene, a sulfur-rich molecule from garlic, inhibits genes controlled by quorum sensing. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 2314-25	5.9	296
184	Synergistic antibacterial efficacy of early combination treatment with tobramycin and quorum-sensing inhibitors against <i>Pseudomonas aeruginosa</i> in an intraperitoneal foreign-body infection mouse model. <i>Journal of Antimicrobial Chemotherapy</i> , 2012 , 67, 1198-206	5.1	136
183	Combating biofilms. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 146-57		129
182	The microorganisms in chronically infected end-stage and non-end-stage cystic fibrosis patients. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 236-44		49
181	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
180	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
179	Bursting the bubble on bacterial biofilms: a flow cell methodology. <i>Biofouling</i> , 2012 , 28, 835-42	3.3	75
178	Interactions between polymorphonuclear leukocytes and <i>Pseudomonas aeruginosa</i> biofilms on silicone implants in vivo. <i>Infection and Immunity</i> , 2012 , 80, 2601-7	3.7	57

177	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
176	Qualitative and quantitative determination of quorum sensing inhibition in vitro. <i>Methods in Molecular Biology</i> , 2011 , 692, 253-63	1.4	5
175	Phenotypes of non-attached <i>Pseudomonas aeruginosa</i> aggregates resemble surface attached biofilm. <i>PLoS ONE</i> , 2011 , 6, e27943	3.7	173
174	Influence of putative exopolysaccharide genes on <i>Pseudomonas putida</i> KT2440 biofilm stability. <i>Environmental Microbiology</i> , 2011 , 13, 1357-69	5.2	68
173	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
172	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
171	Effects of ginseng on <i>Pseudomonas aeruginosa</i> motility and biofilm formation. <i>FEMS Immunology and Medical Microbiology</i> , 2011 , 62, 49-56		67
170	A convenient procedure for the solid-phase synthesis of hydroxamic acids on PEGA resins. <i>Tetrahedron Letters</i> , 2011 , 52, 7121-7124	2	13
169	Quorum sensing in <i>Aeromonas salmonicida</i> subsp. <i>achromogenes</i> and the effect of the autoinducer synthase Asal on bacterial virulence. <i>Veterinary Microbiology</i> , 2011 , 147, 389-97	3.3	32
168	The clinical impact of bacterial biofilms. <i>International Journal of Oral Science</i> , 2011 , 3, 55-65	27.9	486
167	The implication of <i>Pseudomonas aeruginosa</i> biofilms in infections. <i>Inflammation and Allergy: Drug Targets</i> , 2011 , 10, 141-57		42
166	Interfering with Bacterial Gossip <i>Springer Series on Biofilms</i> , 2011 , 163-188		1
165	True microbiota involved in chronic lung infection of cystic fibrosis patients found by culturing and 16S rRNA gene analysis. <i>Journal of Clinical Microbiology</i> , 2011 , 49, 4352-5	9.7	31
164	The contribution of cell-cell signaling and motility to bacterial biofilm formation. <i>MRS Bulletin</i> , 2011 , 36, 367-373	3.2	72
163	Imaging N-acyl homoserine lactone quorum sensing in vivo. <i>Methods in Molecular Biology</i> , 2011 , 692, 147-57	1.4	5
162	<i>Pseudomonas aeruginosa</i> Biofilms in the Lungs of Cystic Fibrosis Patients 2011 , 167-184		3
161	Novel and Future Treatment Strategies 2011 , 231-249		1
160	The immune system vs. <i>Pseudomonas aeruginosa</i> biofilms. <i>FEMS Immunology and Medical Microbiology</i> , 2010 , 59, 292-305		169

159	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
158	An in vitro model of bacterial infections in wounds and other soft tissues. <i>Apmis</i> , 2010 , 118, 156-64	3.4	83
157	In vitro screens for quorum sensing inhibitors and in vivo confirmation of their effect. <i>Nature Protocols</i> , 2010 , 5, 282-93	18.8	61
156	Utility of in vivo transcription profiling for identifying <i>Pseudomonas aeruginosa</i> genes needed for gastrointestinal colonization and dissemination. <i>PLoS ONE</i> , 2010 , 5, e15131	3.7	17
155	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
154	Polymorphonuclear leucocytes consume oxygen in sputum from chronic <i>Pseudomonas aeruginosa</i> pneumonia in cystic fibrosis. <i>Thorax</i> , 2010 , 65, 57-62	7.3	130
153	Antibiotic resistance of bacterial biofilms. <i>International Journal of Antimicrobial Agents</i> , 2010 , 35, 322-3214.3		2148
152	Quorum sensing regulation in <i>Aeromonas hydrophila</i> . <i>Journal of Molecular Biology</i> , 2010 , 396, 849-57	6.5	31
151	Comparative microarray analysis reveals that the core biofilm-associated transcriptome of <i>Pseudomonas aeruginosa</i> comprises relatively few genes. <i>Environmental Microbiology Reports</i> , 2010 , 2, 440-8	3.7	20
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9	Jamming bacterial communications: new strategies to combat bacterial infections and the development of biofilms65-100		1
8	Quorum-Sensing Inhibition393-416		6
7	Auranofin inhibits virulence in <i>Pseudomonas aeruginosa</i>		2
6	Biased 16S rDNA PCR amplification caused by interference from DNA flanking the template region		9
5	Use of bioluminescence for monitoring the viability of individual <i>Pseudomonas putida</i> KT2442 cells		2
4	<i>Serratia liquefaciens</i> swarm cells exhibit enhanced resistance to predation by <i>Tetrahymena</i> sp.		1
3	Cyclic-di-GMP is required for corneal infection by <i>Pseudomonas aeruginosa</i> and modulates host immunity		1
2	Synergy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Inhibiting <i>P.aeruginosa</i> Quorum Sensing		1
1	<i>Pseudomonas aeruginosa</i> isolates co-incubated with <i>Acanthamoeba castellanii</i> exhibit phenotypes similar to chronic cystic fibrosis isolates		3