

Michael Givskov

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2320/michael-givskov-publications-by-citations.pdf>

Version: 2024-04-23

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

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

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	Antibiotic resistance of bacterial biofilms. <i>International Journal of Antimicrobial Agents</i> , 2010 , 35, 322-324	14.3	2148
301	Quantification of biofilm structures by the novel computer program COMSTAT. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 10), 2395-2407	2.9	1560
300	Attenuation of <i>Pseudomonas aeruginosa</i> virulence by quorum sensing inhibitors. <i>EMBO Journal</i> , 2003 , 22, 3803-15	13	1019
299	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	2.9	785
298	New unstable variants of green fluorescent protein for studies of transient gene expression in bacteria. <i>Applied and Environmental Microbiology</i> , 1998 , 64, 2240-6	4.8	738
297	A characterization of DNA release in <i>Pseudomonas aeruginosa</i> cultures and biofilms. <i>Molecular Microbiology</i> , 2006 , 59, 1114-28	4.1	719
296	Quorum-sensing inhibitors as anti-pathogenic drugs. <i>International Journal of Medical Microbiology</i> , 2006 , 296, 149-61	3.7	650
295	Eukaryotic interference with homoserine lactone-mediated prokaryotic signalling. <i>Journal of Bacteriology</i> , 1996 , 178, 6618-22	3.5	634
294	Food spoilage--interactions between food spoilage bacteria. <i>International Journal of Food Microbiology</i> , 2002 , 78, 79-97	5.8	633
293	Why chronic wounds will not heal: a novel hypothesis. <i>Wound Repair and Regeneration</i> , 2008 , 16, 2-10	3.6	596
292	<i>Pseudomonas aeruginosa</i> biofilms in the respiratory tract of cystic fibrosis patients. <i>Pediatric Pulmonology</i> , 2009 , 44, 547-58	3.5	542
291	Evidence that halogenated furanones from <i>Delisea pulchra</i> inhibit acylated homoserine lactone (AHL)-mediated gene expression by displacing the AHL signal from its receptor protein. <i>Microbiology (United Kingdom)</i> , 1999 , 145 (Pt 2), 283-291	2.9	500
290	Alginate overproduction affects <i>Pseudomonas aeruginosa</i> biofilm structure and function. <i>Journal of Bacteriology</i> , 2001 , 183, 5395-401	3.5	499
289	The clinical impact of bacterial biofilms. <i>International Journal of Oral Science</i> , 2011 , 3, 55-65	27.9	486
288	Screening for quorum-sensing inhibitors (QSI) by use of a novel genetic system, the QSI selector. <i>Journal of Bacteriology</i> , 2005 , 187, 1799-814	3.5	479
287	Halogenated furanones inhibit quorum sensing through accelerated LuxR turnover. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 1119-1127	2.9	471
286	Pharmacological inhibition of quorum sensing for the treatment of chronic bacterial infections. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1300-7	15.9	466

285	Cell death in <i>Pseudomonas aeruginosa</i> biofilm development. <i>Journal of Bacteriology</i> , 2003 , 185, 4585-92	3.5	457
284	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, 1254-66	4.1	421
283	The impact of quorum sensing and swarming motility on <i>Pseudomonas aeruginosa</i> biofilm formation is nutritionally conditional. <i>Molecular Microbiology</i> , 2006 , 62, 1264-77	4.1	402
282	Quorum sensing inhibitors: a bargain of effects. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 895-904	2.9	394
281	<i>Pseudomonas aeruginosa</i> tolerance to tobramycin, hydrogen peroxide and polymorphonuclear leukocytes is quorum-sensing dependent. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 373-383	2.9	389
280	Mucoid conversion of <i>Pseudomonas aeruginosa</i> by hydrogen peroxide: a mechanism for virulence activation in the cystic fibrosis lung. <i>Microbiology (United Kingdom)</i> , 1999 , 145 (Pt 6), 1349-1357	2.9	376
279	Identity and effects of quorum-sensing inhibitors produced by <i>Penicillium</i> species. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 1325-1340	2.9	368
278	Distribution, organization, and ecology of bacteria in chronic wounds. <i>Journal of Clinical Microbiology</i> , 2008 , 46, 2717-22	9.7	364
277	The cep quorum-sensing system of <i>Burkholderia cepacia</i> H111 controls biofilm formation and swarming motility. <i>Microbiology (United Kingdom)</i> , 2001 , 147, 2517-2528	2.9	364
276	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
275	Garlic blocks quorum sensing and promotes rapid clearing of pulmonary <i>Pseudomonas aeruginosa</i> infections. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 3873-3880	2.9	329
274	N-acylhomoserine-lactone-mediated communication between <i>Pseudomonas aeruginosa</i> and <i>Burkholderia cepacia</i> in mixed biofilms. <i>Microbiology (United Kingdom)</i> , 2001 , 147, 3249-62	2.9	320
273	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
272	Involvement of N-acyl-L-homoserine lactone autoinducers in controlling the multicellular behaviour of <i>Serratia liquefaciens</i> . <i>Molecular Microbiology</i> , 1996 , 20, 127-36	4.1	297
271	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
270	Rapid necrotic killing of polymorphonuclear leukocytes is caused by quorum-sensing-controlled production of rhamnolipid by <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2007 , 153, 1329-33	2.9	295
269	gfp-based N-acyl homoserine-lactone sensor systems for detection of bacterial communication. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 575-85	4.8	285
268	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

267	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
266	In situ gene expression in mixed-culture biofilms: evidence of metabolic interactions between community members. <i>Applied and Environmental Microbiology</i> , 1998 , 64, 721-32	4.8	269
265	Effects of antibiotics on quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 3648-63	5.9	262
264	A novel and sensitive method for the quantification of N-3-oxoacyl homoserine lactones using gas chromatography-mass spectrometry: application to a model bacterial biofilm. <i>Environmental Microbiology</i> , 2000 , 2, 530-41	5.2	258
263	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
262	Establishment of new genetic traits in a microbial biofilm community. <i>Applied and Environmental Microbiology</i> , 1998 , 64, 2247-55	4.8	255
261	<i>Pseudomonas aeruginosa</i> biofilms exposed to imipenem exhibit changes in global gene expression and beta-lactamase and alginate production. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 1175-87	5.9	244
260	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
259	Distribution of bacterial growth activity in flow-chamber biofilms. <i>Applied and Environmental Microbiology</i> , 1999 , 65, 4108-17	4.8	238
258	Visualization of N-acylhomoserine lactone-mediated cell-cell communication between bacteria colonizing the tomato rhizosphere. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 5761-70	4.8	236
257	Methods for detecting acylated homoserine lactones produced by Gram-negative bacteria and their application in studies of AHL-production kinetics. <i>Journal of Microbiological Methods</i> , 2001 , 44, 239-51	2.8	233
256	Molecular tools for study of biofilm physiology. <i>Methods in Enzymology</i> , 1999 , 310, 20-42	1.7	222
255	Bacterial biofilms: prokaryotic adventures in multicellularity. <i>Current Opinion in Microbiology</i> , 2003 , 6, 578-85	7.9	219
254	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
253	Extracellular DNA shields against aminoglycosides in <i>Pseudomonas aeruginosa</i> biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 2352-61	5.9	206
252	How <i>Delisea pulchra</i> furanones affect quorum sensing and swarming motility in <i>Serratia liquefaciens</i> MG1. <i>Microbiology (United Kingdom)</i> , 2000 , 146 Pt 12, 3237-3244	2.9	204
251	Azithromycin blocks quorum sensing and alginate polymer formation and increases the sensitivity to serum and stationary-growth-phase killing of <i>Pseudomonas aeruginosa</i> and attenuates chronic <i>P. aeruginosa</i> lung infection in Cftr(-/-) mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 3677-87	5.9	199
250	Experimental reproducibility in flow-chamber biofilms. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 10), 2409-2415	2.9	198

249	Chemical mediation of bacterial surface colonisation by secondary metabolites from the red alga <i>Delisea pulchra</i> . <i>Aquatic Microbial Ecology</i> , 1998 , 15, 233-246	1.1	194
248	Quorum sensing-controlled biofilm development in <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 2004 , 186, 692-8	3.5	188
247	Responses to nutrient starvation in <i>Pseudomonas putida</i> KT2442: analysis of general cross-protection, cell shape, and macromolecular content. <i>Journal of Bacteriology</i> , 1994 , 176, 7-14	3.5	184
246	Antibiotic and biosurfactant properties of cyclic lipopeptides produced by fluorescent <i>Pseudomonas</i> spp. from the sugar beet rhizosphere. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 3416-23	4.8	181
245	Regulation of biofilm formation in <i>Pseudomonas</i> and <i>Burkholderia</i> species. <i>Environmental Microbiology</i> , 2014 , 16, 1961-81	5.2	179
244	<i>Pseudomonas aeruginosa</i> recognizes and responds aggressively to the presence of polymorphonuclear leukocytes. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 3500-3508	2.9	178
243	Rational design and synthesis of new quorum-sensing inhibitors derived from acylated homoserine lactones and natural products from garlic. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 253-62	3.9	177
242	Phenotypes of non-attached <i>Pseudomonas aeruginosa</i> aggregates resemble surface attached biofilm. <i>PLoS ONE</i> , 2011 , 6, e27943	3.7	173
241	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
240	The immune system vs. <i>Pseudomonas aeruginosa</i> biofilms. <i>FEMS Immunology and Medical Microbiology</i> , 2010 , 59, 292-305		169
239	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
238	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
237	Quorum sensing antagonism from marine organisms. <i>Marine Biotechnology</i> , 2008 , 10, 56-63	3.4	160
236	Surface motility of <i>serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 1999 , 181, 1703-12	3.5	159
235	Silver against <i>Pseudomonas aeruginosa</i> biofilms. <i>Apmis</i> , 2007 , 115, 921-8	3.4	157
234	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
233	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
232	<i>Pseudomonas aeruginosa</i> mutations in <i>lasI</i> and <i>rhlI</i> quorum sensing systems result in milder chronic lung infection. <i>Microbiology (United Kingdom)</i> , 2001 , 147, 1105-1113	2.9	148

231	Inactivation of the rhlA 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
230	Detection of N-acylhomoserine lactones in lung tissues of mice infected with <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 10), 2481-2493	2.9	141
229	<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
228	Novel mouse model of chronic <i>Pseudomonas aeruginosa</i> lung infection mimicking cystic fibrosis. <i>Infection and Immunity</i> , 2005 , 73, 2504-14	3.7	138
227	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
226	Quorum-sensing blockade as a strategy for enhancing host defences against bacterial pathogens. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007 , 362, 1213-22	5.8	133
225	Halogenated furanones from the red alga, <i>Delisea pulchra</i> , inhibit carbapenem antibiotic synthesis and exoenzyme virulence factor production in the phytopathogen <i>Erwinia carotovora</i> . <i>FEMS Microbiology Letters</i> , 2001 , 205, 131-8	2.9	132
224	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
223	Dynamics and spatial distribution of beta-lactamase expression in <i>Pseudomonas aeruginosa</i> biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 1168-74	5.9	130
222	An inhibitor of bacterial quorum sensing reduces mortalities caused by Vibriosis in rainbow trout (<i>Oncorhynchus mykiss</i> , Walbaum). <i>Systematic and Applied Microbiology</i> , 2004 , 27, 350-9	4.2	130
221	Combating biofilms. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 146-57		129
220	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
219	Genetic analysis of functions involved in the late stages of biofilm development in <i>Burkholderia cepacia</i> H111. <i>Molecular Microbiology</i> , 2002 , 46, 411-26	4.1	121
218	Identification and characterization of an N-acylhomoserine lactone-dependent quorum-sensing system in <i>Pseudomonas putida</i> strain IsoF. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 6371-82	4.8	121
217	Quorum sensing in <i>Serratia</i> . <i>FEMS Microbiology Reviews</i> , 2007 , 31, 407-24	15.1	120
216	Identification of quorum-sensing regulated proteins in the opportunistic pathogen <i>Pseudomonas aeruginosa</i> by proteomics. <i>Environmental Microbiology</i> , 2003 , 5, 1350-69	5.2	120
215	<i>Pseudomonas aeruginosa</i> biofilms: mechanisms of immune evasion. <i>Advances in Applied Microbiology</i> , 2014 , 86, 1-40	4.9	117
214	Quorum-sensing-directed protein expression in <i>Serratia proteamaculans</i> B5a. <i>Microbiology (United Kingdom)</i> , 2003 , 149, 471-483	2.9	113

213	Nonmucoid <i>Pseudomonas aeruginosa</i> expresses alginate in the lungs of patients with cystic fibrosis and in a mouse model. <i>Journal of Infectious Diseases</i> , 2005 , 192, 410-9	7	113
212	Do marine natural products interfere with prokaryotic AHL regulatory systems?. <i>Aquatic Microbial Ecology</i> , 1997 , 13, 85-93	1.1	111
211	Presence of acylated homoserine lactones (AHLs) and AHL-producing bacteria in meat and potential role of AHL in spoilage of meat. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 4293-302	4.8	106
210	Quorum sensing : a novel target for the treatment of biofilm infections. <i>BioDrugs</i> , 2003 , 17, 241-50	7.9	106
209	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
208	The bacteriology of chronic venous leg ulcer examined by culture-independent molecular methods. <i>Wound Repair and Regeneration</i> , 2010 , 18, 38-49	3.6	105
207	Impact of <i>Pseudomonas aeruginosa</i> quorum sensing on biofilm persistence in an in vivo intraperitoneal foreign-body infection model. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 2312-2320	2.9	104
206	Inhibitory Effects of Secondary Metabolites from the Red Alga <i>Delisea pulchra</i> on Swarming Motility of <i>Proteus mirabilis</i> . <i>Applied and Environmental Microbiology</i> , 1996 , 62, 4284-7	4.8	103
205	Reactivity and Synthetic Applications of Multicomponent Petasis Reactions. <i>Chemical Reviews</i> , 2019 , 119, 11245-11290	68.1	102
204	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
203	<i>Pseudomonas aeruginosa</i> uses type III secretion system to kill biofilm-associated amoebae. <i>ISME Journal</i> , 2008 , 2, 843-52	11.9	101
202	Surface motility in <i>Pseudomonas</i> sp. DSS73 is required for efficient biological containment of the root-pathogenic microfungi <i>Rhizoctonia solani</i> and <i>Pythium ultimum</i> . <i>Microbiology (United Kingdom)</i> , 2003 , 149, 37-46	2.9	101
201	Molecular characterization of the pH-inducible and growth phase-dependent promoter P170 of <i>Lactococcus lactis</i> . <i>Molecular Microbiology</i> , 1999 , 32, 75-87	4.1	100
200	Phosphorus limitation enhances biofilm formation of the plant pathogen <i>Agrobacterium tumefaciens</i> through the PhoR-PhoB regulatory system. <i>Journal of Bacteriology</i> , 2004 , 186, 4492-501	3.5	99
199	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
198	The role of quorum sensing in the pathogenicity of the cunning aggressor <i>Pseudomonas aeruginosa</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 409-14	4.4	98
197	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
196	Garlic as an inhibitor of <i>Pseudomonas aeruginosa</i> quorum sensing in cystic fibrosis--a pilot randomized controlled trial. <i>Pediatric Pulmonology</i> , 2010 , 45, 356-62	3.5	95

195	Anaerobic survival of <i>Pseudomonas aeruginosa</i> by pyruvate fermentation requires an Usp-type stress protein. <i>Journal of Bacteriology</i> , 2006 , 188, 659-68	3.5	92
194	Constitutive high expression of chromosomal beta-lactamase in <i>Pseudomonas aeruginosa</i> caused by a new insertion sequence (IS1669) located in ampD. <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 3406-11	5.9	92
193	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
192	<i>Pseudomonas aeruginosa</i> with lasI quorum-sensing deficiency during corneal infection. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 1897-903		91
191	Induction of phospholipase- and flagellar synthesis in <i>Serratia liquefaciens</i> is controlled by expression of the flagellar master operon flhD. <i>Molecular Microbiology</i> , 1995 , 15, 445-54	4.1	87
190	Synthesis of furanone-based natural product analogues with quorum sensing antagonist activity. <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 3261-71	3.4	86
189	An in vitro model of bacterial infections in wounds and other soft tissues. <i>Apmis</i> , 2010 , 118, 156-64	3.4	83
188	Quorum-sensing regulation of adhesion in <i>Serratia marcescens</i> MG1 is surface dependent. <i>Journal of Bacteriology</i> , 2007 , 189, 2702-11	3.5	83
187	Quorum sensing inhibition: targeting chemical communication in gram-negative bacteria. <i>Current Medicinal Chemistry</i> , 2005 , 12, 3103-15	4.3	83
186	Involvement of bacterial quorum-sensing signals in spoilage of bean sprouts. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 3321-30	4.8	83
185	Lipopeptide production in <i>Pseudomonas</i> sp. strain DSS73 is regulated by components of sugar beet seed exudate via the Gac two-component regulatory system. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4509-16	4.8	81
184	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
183	Analysis of the multimer resolution system encoded by the parCBA operon of broad-host-range plasmid RP4. <i>Molecular Microbiology</i> , 1994 , 12, 131-41	4.1	80
182	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
181	Production of acylated homoserine lactones by psychrotrophic members of the Enterobacteriaceae isolated from foods. <i>Applied and Environmental Microbiology</i> , 1999 , 65, 3458-63	4.8	78
180	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
179	Two separate regulatory systems participate in control of swarming motility of <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 1998 , 180, 742-5	3.5	77
178	Bacteria-triggered release of antimicrobial agents. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 439-41	16.4	76

177	Origin and evolution of European community-acquired methicillin-resistant <i>Staphylococcus aureus</i> . <i>MBio</i> , 2014 , 5, e01044-14	7.8	75
176	Bursting the bubble on bacterial biofilms: a flow cell methodology. <i>Biofouling</i> , 2012 , 28, 835-42	3.3	75
175	Application of molecular tools for in situ monitoring of bacterial growth activity. <i>Environmental Microbiology</i> , 1999 , 1, 383-91	5.2	75
174	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
173	The contribution of cell-cell signaling and motility to bacterial biofilm formation. <i>MRS Bulletin</i> , 2011 , 36, 367-373	3.2	72
172	Antibiofilm Properties of Acetic Acid. <i>Advances in Wound Care</i> , 2015 , 4, 363-372	4.8	70
171	Targeting quorum sensing in <i>Pseudomonas aeruginosa</i> biofilms: current and emerging inhibitors. <i>Future Microbiology</i> , 2013 , 8, 901-21	2.9	70
170	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
169	Emerging frontiers in detection and control of bacterial biofilms. <i>Current Opinion in Biotechnology</i> , 2014 , 26, 1-6	11.4	69
168	Influence of putative exopolysaccharide genes on <i>Pseudomonas putida</i> KT2440 biofilm stability. <i>Environmental Microbiology</i> , 2011 , 13, 1357-69	5.2	68
167	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
166	Effects of ginseng on <i>Pseudomonas aeruginosa</i> motility and biofilm formation. <i>FEMS Immunology and Medical Microbiology</i> , 2011 , 62, 49-56		67
165	<i>Pseudomonas aeruginosa</i> quorum-sensing signal molecules interfere with dendritic cell-induced T-cell proliferation. <i>FEMS Immunology and Medical Microbiology</i> , 2009 , 55, 335-45		66
164	Production of N-acyl-L-homoserine lactones by <i>P. aeruginosa</i> isolates from chronic lung infections associated with cystic fibrosis. <i>FEMS Microbiology Letters</i> , 2000 , 184, 273-8	2.9	65
163	First case of <i>E. anophelis</i> outbreak in an intensive-care unit. <i>Lancet, The</i> , 2013 , 382, 855-6	4.0	63
162	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
161	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
160	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

159	Control of exoenzyme production, motility and cell differentiation in <i>Serratia liquefaciens</i> . <i>FEMS Microbiology Letters</i> , 2006 , 148, 115-122	2.9	61
158	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
157	N-acyl-L-homoserine lactone-mediated regulation of the lip secretion system in <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 2001 , 183, 1805-9	3.5	59
156	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
155	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
154	Quorum sensing inhibitory drugs as next generation antimicrobials: worth the effort?. <i>Current Infectious Disease Reports</i> , 2008 , 10, 22-8	3.9	56
153	Functional amyloids keep quorum-sensing molecules in check. <i>Journal of Biological Chemistry</i> , 2015 , 290, 6457-69	5.4	55
152	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
151	Antibiotics inhibit tumor and disease activity in cutaneous T-cell lymphoma. <i>Blood</i> , 2019 , 134, 1072-1083.2		54
150	In silico analyses of metagenomes from human atherosclerotic plaque samples. <i>Microbiome</i> , 2015 , 3, 38	16.6	52
149	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
148	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
147	rpoS gene function is a disadvantage for <i>Escherichia coli</i> BJ4 during competitive colonization of the mouse large intestine. <i>Infection and Immunity</i> , 2000 , 68, 2518-24	3.7	50
146	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
145	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
144	Enhancer-binding proteins with a forkhead-associated domain and the sigma54 regulon in <i>Myxococcus xanthus</i> fruiting body development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3010-5	11.5	46
143	A broad range quorum sensing inhibitor working through sRNA inhibition. <i>Scientific Reports</i> , 2017 , 7, 9857	4.9	45
142	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

141	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
140	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
139	Biological Trojan horse: Antigen 43 provides specific bacterial uptake and survival in human neutrophils. <i>Infection and Immunity</i> , 2007 , 75, 30-4	3.7	44
138	Cranberry () oligosaccharides decrease biofilm formation by uropathogenic. <i>Journal of Functional Foods</i> , 2015 , 17, 235-242	5.1	43
137	The implication of <i>Pseudomonas aeruginosa</i> biofilms in infections. <i>Inflammation and Allergy: Drug Targets</i> , 2011 , 10, 141-57		42
136	Biofilms of Pathogenic Nontuberculous Mycobacteria Targeted by New Therapeutic Approaches. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 24-35	5.9	41
135	Novel experimental <i>Pseudomonas aeruginosa</i> lung infection model mimicking long-term host-pathogen interactions in cystic fibrosis. <i>Apmis</i> , 2009 , 117, 95-107	3.4	41
134	Copy mutants of plasmid R1: effects of base pair substitutions in the copA gene on the replication control system. <i>Molecular Genetics and Genomics</i> , 1984 , 194, 286-92		41
133	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
132	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
131	Bacterial Biofilm Control by Perturbation of Bacterial Signaling Processes. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	40
130	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
129	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
128	Extracellular Communication in Bacteria. <i>Topics in Current Chemistry</i> , 2004 , 279-315		39
127	Combination Therapy Strategy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Suppressing Multiple Quorum Sensing Pathways of <i>P. aeruginosa</i> . <i>Scientific Reports</i> , 2018 , 8, 1155	4.9	38
126	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
125	Bacterial biofilm formation and treatment in soft tissue fillers. <i>Pathogens and Disease</i> , 2014 , 70, 339-46	4.2	37
124	The divergent promoters mediating transcription of the par locus of plasmid RP4 are subject to autoregulation. <i>Molecular Microbiology</i> , 1992 , 6, 1969-79	4.1	37

123	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
122	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
121	Expression of extracellular phospholipase from <i>Serratia liquefaciens</i> is growth-phase-dependent, catabolite-repressed and regulated by anaerobiosis. <i>Molecular Microbiology</i> , 1992 , 6, 1363-74	4.1	35
120	Secretion of <i>Serratia liquefaciens</i> phospholipase from <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1993 , 8, 229-42	4.1	33
119	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
118	Quorum sensing in <i>Aeromonas salmonicida</i> subsp. <i>achromogenes</i> and the effect of the autoinducer synthase <i>Asal</i> on bacterial virulence. <i>Veterinary Microbiology</i> , 2011 , 147, 389-97	3.3	32
117	Quorum sensing regulation in <i>Aeromonas hydrophila</i> . <i>Journal of Molecular Biology</i> , 2010 , 396, 849-57	6.5	31
116	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
115	Identification and characterization of a GDSL esterase gene located proximal to the <i>swr</i> quorum-sensing system of <i>Serratia liquefaciens</i> MG1. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 3901-10	4.8	31
114	Protoanemonin: a natural quorum sensing inhibitor that selectively activates iron starvation response. <i>Environmental Microbiology</i> , 2013 , 15, 111-20	5.2	30
113	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
112	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
111	Microbiological aspects of phyllosoma rearing of the ornate rock lobster <i>Panulirus ornatus</i> . <i>Aquaculture</i> , 2007 , 268, 274-287	4.4	29
110	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
109	Influence of food preservation parameters and associated microbiota on production rate, profile and stability of acylated homoserine lactones from food-derived Enterobacteriaceae. <i>International Journal of Food Microbiology</i> , 2003 , 84, 145-56	5.8	28
108	Quorum sensing signals are produced by <i>Aeromonas salmonicida</i> and quorum sensing inhibitors can reduce production of a potential virulence factor. <i>Diseases of Aquatic Organisms</i> , 2007 , 78, 105-13	1.7	28
107	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
106	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

105	The common oceanographer: crowdsourcing the collection of oceanographic data. <i>PLoS Biology</i> , 2014 , 12, e1001947	9.7	27
104	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
103	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
102	An attractive surface: gram-negative bacterial biofilms. <i>Science Signaling</i> , 2002 , 2002, re6	8.8	26
101	Lysophosphatidic acid inhibition of the accumulation of <i>Pseudomonas aeruginosa</i> PAO1 alginate, pyoverdinin, elastase and LasA. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 1709-1723	2.9	26
100	Comparative transcriptomic analysis of the <i>Burkholderia cepacia</i> tyrosine kinase bceF 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
99	Physiological responses of KT2442 to phosphate starvation. <i>Microbiology (United Kingdom)</i> , 1996 , 142, 155-163	2.9	25
98	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
97	Quorum Sensing in Biofilms: Gossip in Slime City 2004 , 118-140		23
96	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
95	Expedient total synthesis of pyrrothine natural products and analogs. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 344-8	3.9	22
94	Itaconimides as Novel Quorum Sensing Inhibitors of. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 443	5.9	21
93	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
92	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
91	Discovery of a quorum sensing modulator pharmacophore by 3D small-molecule microarray screening. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 5313-23	3.9	19
90	Augmented effect of early antibiotic treatment in mice with experimental lung infections due to sequentially adapted mucoid strains of <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2009 , 64, 1241-50	5.1	19
89	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
88	Acquisition of resistance to carbapenem and macrolide-mediated quorum sensing inhibition by via ICE. <i>Communications Biology</i> , 2018 , 1, 57	6.7	18

87	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
86	Regulation of Burkholderia cenocepacia biofilm formation by RpoN and the c-di-GMP effector BerB. <i>MicrobiologyOpen</i> , 2017 , 6, e00480	3.4	17
85	Utility of in vivo transcription profiling for identifying Pseudomonas aeruginosa genes needed for gastrointestinal colonization and dissemination. <i>PLoS ONE</i> , 2010 , 5, e15131	3.7	17
84	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
83	Cholesterol crystals enhance TLR2- and TLR4-mediated pro-inflammatory cytokine responses of monocytes to the proatherogenic oral bacterium Porphyromonas gingivalis. <i>PLoS ONE</i> , 2017 , 12, e0172773	3.7	16
82	Identification of LasR ligands through a virtual screening approach. <i>ChemMedChem</i> , 2013 , 8, 157-63	3.7	16
81	Serratia liquefaciens swarm cells exhibit enhanced resistance to predation by Tetrahymena sp. <i>FEMS Microbiology Letters</i> , 1998 , 164, 69-75	2.9	16
80	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
79	High levels of cAMP inhibit Pseudomonas aeruginosa biofilm formation through reduction of the c-di-GMP content. <i>Microbiology (United Kingdom)</i> , 2019 , 165, 324-333	2.9	16
78	Biofilm formation by Staphylococcus epidermidis on peritoneal dialysis catheters and the effects of extracellular products from Pseudomonas aeruginosa. <i>Pathogens and Disease</i> , 2013 , 67, 192-8	4.2	15
77	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
76	Oxidative stress response plays a role in antibiotic tolerance of Streptococcus mutans biofilms. <i>Microbiology (United Kingdom)</i> , 2019 , 165, 334-342	2.9	15
75	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
74	Evaluation of Biofilm Dispersal as a Therapeutic Strategy To Restore Antimicrobial Efficacy. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	14
73	Identification and characterization of mutations responsible for a runaway replication phenotype of plasmid R1. <i>Gene</i> , 1987 , 57, 203-11	3.8	14
72	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
71	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
70	A convenient procedure for the solid-phase synthesis of hydroxamic acids on PEGA resins. <i>Tetrahedron Letters</i> , 2011 , 52, 7121-7124	2	13

69	Assessment of flhDC mRNA levels in <i>Serratia liquefaciens</i> swarm cells. <i>Journal of Bacteriology</i> , 2000 , 182, 2680-6	3.5	13
68	Chemical Biology Strategies for Biofilm Control. <i>Microbiology Spectrum</i> , 2015 , 3,	8.9	12
67	Autofluorescence in samples obtained from chronic biofilm infections--"all that glitters is not gold". <i>Pathogens and Disease</i> , 2015 , 73,	4.2	12
66	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
65	A mariner transposon vector adapted for mutagenesis in oral streptococci. <i>MicrobiologyOpen</i> , 2014 , 3, 333-40	3.4	10
64	Discovery of novel antimycobacterial drug therapy in biofilm of pathogenic nontuberculous mycobacterial keratitis. <i>Ocular Surface</i> , 2017 , 15, 770-783	6.5	10
63	Targeting Quorum Sensing for Treatment of Chronic Bacterial Biofilm Infections. <i>Laboratory Medicine</i> , 2002 , 33, 295-306	1.6	10
62	Inactivation of gltB abolishes expression of the assimilatory nitrate reductase gene (nasB) in <i>Pseudomonas putida</i> KT2442. <i>Journal of Bacteriology</i> , 2000 , 182, 3368-76	3.5	10
61	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
60	Key Players and Individualists of Cyclic-di-GMP Signaling in. <i>Frontiers in Microbiology</i> , 2018 , 9, 3286	5.7	9
59	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
58	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
57	Biased 16S rDNA PCR amplification caused by interference from DNA flanking the template region		9
56	The <i>Pseudomonas aeruginosa</i> autoinducer dodecanoyl-homoserine lactone inhibits the putrescine synthesis in human cells. <i>Apmis</i> , 2008 , 116, 361-71	3.4	8
55	Effects of quorum-sensing on immunoglobulin G responses in a rat model of chronic lung infection with <i>Pseudomonas aeruginosa</i> . <i>Microbes and Infection</i> , 2004 , 6, 34-7	9.3	8
54	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
53	Bacteria-Triggered Release of Antimicrobial Agents. <i>Angewandte Chemie</i> , 2014 , 126, 449-451	3.6	7
52	Detection In Vitro of Quorum-Sensing Molecules and Their Inhibitors. <i>Springer Series on Biofilms</i> , 2008 , 39-50		7

51	Pseudomonas aeruginosa Microcolonies in Coronary Thrombi from Patients with ST-Segment Elevation Myocardial Infarction. <i>PLoS ONE</i> , 2016 , 11, e0168771	3.7	7
50	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
49	Quorum-Sensing Inhibition 393-416		6
48	Induction of Native c-di-GMP Phosphodiesterases Leads to Dispersal of Pseudomonas aeruginosa Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65,	5.9	6
47	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
46	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
45	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
44	Qualitative and quantitative determination of quorum sensing inhibition in vitro. <i>Methods in Molecular Biology</i> , 2011 , 692, 253-63	1.4	5
43	Synthesis of carbon-14 labelled (5Z)-4-bromo-5-(bromomethylene)-2(5H)-furanone: a potent quorum sensing inhibitor. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2004 , 47, 627-634	1.9	5
42	Quorum sensing in Gram-negative bacteria. <i>Progress in Natural Science: Materials International</i> , 2004 , 14, 377-387	3.6	5
41	Genetic and chemical tools for investigating signaling processes in biofilms. <i>Methods in Enzymology</i> , 2001 , 336, 108-28	1.7	5
40	Imaging N-acyl homoserine lactone quorum sensing in vivo. <i>Methods in Molecular Biology</i> , 2011 , 692, 147-57	1.4	5
39	CDy14: a novel biofilm probe targeting exopolysaccharide Psl. <i>Chemical Communications</i> , 2018 , 54, 11865-81868	5.8	5
38	Characterization of a novel multidrug resistance plasmid pSGB23 isolated from subspecies enterica serovar Saintpaul. <i>Gut Pathogens</i> , 2018 , 10, 20	5.4	4
37	Gauging and Visualizing c-di-GMP Levels in Pseudomonas aeruginosa Using Fluorescence-Based Biosensors. <i>Methods in Molecular Biology</i> , 2017 , 1657, 87-98	1.4	4
36	Periodontitis associates with species-specific gene expression of the oral microbiota. <i>Npj Biofilms and Microbiomes</i> , 2021 , 7, 76	8.2	4
35	Inactivation of the Gene in Significantly Decreases Biofilm-Associated Antimicrobial Tolerance. <i>Microorganisms</i> , 2019 , 7,	4.9	3
34	Visualizing biofilm by targeting eDNA with long wavelength probe CDr15. <i>Biomaterials Science</i> , 2019 , 7, 3594-3598	7.4	3

33	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
32	Observations on the formation of deletions on monomeric and dimeric plasmids in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1994 , 14, 263-70	4.1	3
31	Detection and inhibition of bacterial cell-cell communication. <i>Methods in Molecular Biology</i> , 2008 , 431, 55-68	1.4	3
30	<i>Pseudomonas aeruginosa</i> isolates co-incubated with <i>Acanthamoeba castellanii</i> exhibit phenotypes similar to chronic cystic fibrosis isolates		3
29	Bacterial genotoxins induce T cell senescence. <i>Cell Reports</i> , 2021 , 35, 109220	10.6	3
28	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
27	<i>Pseudomonas aeruginosa</i> Biofilms in the Lungs of Cystic Fibrosis Patients 2011 , 167-184		3
26	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
25	Quorum-Sensing Inhibitory Compounds. <i>Springer Series on Biofilms</i> , 2008 , 51-77		2
24	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
23	Auranofin inhibits virulence in <i>Pseudomonas aeruginosa</i>		2
22	Use of bioluminescence for monitoring the viability of individual <i>Pseudomonas putida</i> KT2442 cells		2
21	Imaging N-Acyl Homoserine Lactone Quorum Sensing In Vivo. <i>Methods in Molecular Biology</i> , 2018 , 1673, 203-212	1.4	2
20	Qualitative and Quantitative Determination of Quorum Sensing Inhibition In Vitro. <i>Methods in Molecular Biology</i> , 2018 , 1673, 275-285	1.4	2
19	Carbon starvation of <i>Pseudomonas aeruginosa</i> biofilms selects for dispersal insensitive mutants. <i>BMC Microbiology</i> , 2021 , 21, 255	4.5	2
18	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
17	Transposon Mutagenesis in <i>Streptococcus</i> Species. <i>Methods in Molecular Biology</i> , 2019 , 2016, 39-49	1.4	1
16	Kinase Inhibitors. <i>Methods and Principles in Medicinal Chemistry</i> , 2017 , 31-53	0.4	1

15	Interfering with Bacterial Gossip□ <i>Springer Series on Biofilms</i> , 2011 , 163-188		1
14	In Vivo Studies: Inhibiting Biofilm-Associated Bacterial Infections Using QSIs. <i>Springer Series on Biofilms</i> , 2008 , 119-129		1
13	Jamming bacterial communications: new strategies to combat bacterial infections and the development of biofilms65-100		1
12	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
11	<i>Serratia liquefaciens</i> swarm cells exhibit enhanced resistance to predation by <i>Tetrahymena</i> sp.		1
10	Cyclic-di-GMP is required for corneal infection by <i>Pseudomonas aeruginosa</i> and modulates host immunity		1
9	Synergy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Inhibiting <i>P.aeruginosa</i> Quorum Sensing		1
8	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
7	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
6	Novel and Future Treatment Strategies 2011 , 231-249		1
5	Adaptation to an amoeba host leads to isolates with attenuated virulence.. <i>Applied and Environmental Microbiology</i> , 2022 , aem0232221	4.8	0
4	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	
3	Chemical Biology Strategies for Biofilm Control 2015 , 363-372		
2	Bacterial Cell-to-cell Communication (Quorum Sensing). <i>Springer Series on Biofilms</i> , 2008 , 13-38		
1	Animal Models Commonly Used to Study Quorum-Sensing Inhibitors. <i>Springer Series on Biofilms</i> , 2008 , 109-117		