

Michael Givskov

List of Publications by Year in descending order

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297
papers

44,890
citations

1371

108
h-index

2127

203
g-index

312
all docs

312
docs citations

312
times ranked

29652
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic resistance of bacterial biofilms. International Journal of Antimicrobial Agents, 2010, 35, 322-332.	2.5	2,809
2	Quantification of biofilm structures by the novel computer program comstat. Microbiology (United Kingdom), 2002, 148, 87-102.	1.8	1,899
3	Attenuation of <i>Pseudomonas aeruginosa</i> virulence by quorum sensing inhibitors. EMBO Journal, 2003, 22, 3803-3815.	7.8	1,205
4	Inhibition of quorum sensing in <i>Pseudomonas aeruginosa</i> biofilm bacteria by a halogenated furanone compound. Microbiology (United Kingdom), 2002, 148, 87-102.	1.8	919
5	New Unstable Variants of Green Fluorescent Protein for Studies of Transient Gene Expression in Bacteria. Applied and Environmental Microbiology, 1998, 64, 2240-2246.	3.1	883
6	A characterization of DNA release in <i>Pseudomonas aeruginosa</i> cultures and biofilms. Molecular Microbiology, 2006, 59, 1114-1128.	2.5	851
7	Food spoilage interactions between food spoilage bacteria. International Journal of Food Microbiology, 2002, 78, 79-97.	4.7	782
8	Quorum-sensing inhibitors as anti-pathogenic drugs. International Journal of Medical Microbiology, 2006, 296, 149-161.	3.6	754
9	Eukaryotic interference with homoserine lactone-mediated prokaryotic signalling. Journal of Bacteriology, 1996, 178, 6618-6622.	2.2	737
10	Why chronic wounds will not heal: a novel hypothesis. Wound Repair and Regeneration, 2008, 16, 2-10.	3.0	734
11	<i>Pseudomonas aeruginosa</i> biofilms in the respiratory tract of cystic fibrosis patients. Pediatric Pulmonology, 2009, 44, 547-558.	2.0	685
12	The clinical impact of bacterial biofilms. International Journal of Oral Science, 2011, 3, 55-65.	8.6	663
13	Pharmacological inhibition of quorum sensing for the treatment of chronic bacterial infections. Journal of Clinical Investigation, 2003, 112, 1300-1307.	8.2	588
14	Alginate Overproduction Affects <i>Pseudomonas aeruginosa</i> Biofilm Structure and Function. Journal of Bacteriology, 2001, 183, 5395-5401.	2.2	584
15	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. Microbiology (United Kingdom), 1999, 145, 283-291.	1.8	565
16	Screening for Quorum-Sensing Inhibitors (QSI) by Use of a Novel Genetic System, the QSI Selector. Journal of Bacteriology, 2005, 187, 1799-1814.	2.2	549
17	Halogenated furanones inhibit quorum sensing through accelerated LuxR turnover. Microbiology (United Kingdom), 2002, 148, 1119-1127.	1.8	526
18	Cell Death in <i>Pseudomonas aeruginosa</i> Biofilm Development. Journal of Bacteriology, 2003, 185, 4585-4592.	2.2	526

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19	Quorum-sensing cross talk: isolation and chemical characterization of cyclic dipeptides from <i>Pseudomonas aeruginosa</i> and other Gram-negative bacteria. <i>Molecular Microbiology</i> , 1999, 33, 1254-1266.	2.5	516
20	The impact of quorum sensing and swarming motility on <i>Pseudomonas aeruginosa</i> biofilm formation is nutritionally conditional. <i>Molecular Microbiology</i> , 2006, 62, 1264-1277.	2.5	498
21	Distribution, Organization, and Ecology of Bacteria in Chronic Wounds. <i>Journal of Clinical Microbiology</i> , 2008, 46, 2717-2722.	3.9	453
22	<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.	1.8	451
23	Quorum sensing inhibitors: a bargain of effects. <i>Microbiology (United Kingdom)</i> , 2006, 152, 895-904.	1.8	445
24	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, 1349-1357.	1.8	437
25	Identity and effects of quorum-sensing inhibitors produced by <i>Penicillium</i> species. <i>Microbiology (United Kingdom)</i> , 2005, 151, 1325-1340.	1.8	425
26	Applying insights from biofilm biology to drug development – can a new approach be developed?. <i>Nature Reviews Drug Discovery</i> , 2013, 12, 791-808.	46.4	421
27	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.	1.8	414
28	Nonrandom Distribution of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> in Chronic Wounds. <i>Journal of Clinical Microbiology</i> , 2009, 47, 4084-4089.	3.9	406
29	Ajoene, a Sulfur-Rich Molecule from Garlic, Inhibits Genes Controlled by Quorum Sensing. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2314-2325.	3.2	383
30	Garlic blocks quorum sensing and promotes rapid clearing of pulmonary <i>Pseudomonas aeruginosa</i> infections. <i>Microbiology (United Kingdom)</i> , 2005, 151, 3873-3880.	1.8	381
31	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, 1329-1338.	1.8	362
32	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, 3249-3262.	1.8	358
33	Biofilms in chronic infections – a matter of opportunity – monospecies biofilms in multispecies infections. <i>FEMS Immunology and Medical Microbiology</i> , 2010, 59, 324-336.	2.7	351
34	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, 2331-2343.	3.8	345
35	Involvement of N-acyl-L-homoserine lactone autoinducers in controlling the multicellular behaviour of <i>Serratia liquefaciens</i> . <i>Molecular Microbiology</i> , 1996, 20, 127-136.	2.5	344
36	Effects of Antibiotics on Quorum Sensing in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 3648-3663.	3.2	316

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37	gfp -Based N -Acyl Homoserine-Lactone Sensor Systems for Detection of Bacterial Communication. Applied and Environmental Microbiology, 2001, 67, 575-585.	3.1	312
38	Effects of iron on DNA release and biofilm development by <i>Pseudomonas aeruginosa</i> . Microbiology (United Kingdom), 2007, 153, 1318-1328.	1.8	309
39	In Situ Gene Expression in Mixed-Culture Biofilms: Evidence of Metabolic Interactions between Community Members. Applied and Environmental Microbiology, 1998, 64, 721-732.	3.1	307
40	<i>Pseudomonas aeruginosa</i> Biofilms Exposed to Imipenem Exhibit Changes in Global Gene Expression and β -Lactamase and Alginate Production. Antimicrobial Agents and Chemotherapy, 2004, 48, 1175-1187.	3.2	302
41	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. Environmental Microbiology, 2000, 2, 530-541.	3.8	295
42	Dispersed cells represent a distinct stage in the transition from bacterial biofilm to planktonic lifestyles. Nature Communications, 2014, 5, 4462.	12.8	294
43	Establishment of New Genetic Traits in a Microbial Biofilm Community. Applied and Environmental Microbiology, 1998, 64, 2247-2255.	3.1	284
44	Extracellular DNA Shields against Aminoglycosides in <i>Pseudomonas aeruginosa</i> Biofilms. Antimicrobial Agents and Chemotherapy, 2013, 57, 2352-2361.	3.2	283
45	Distribution of Bacterial Growth Activity in Flow-Chamber Biofilms. Applied and Environmental Microbiology, 1999, 65, 4108-4117.	3.1	267
46	Methods for detecting acylated homoserine lactones produced by Gram-negative bacteria and their application in studies of AHL-production kinetics. Journal of Microbiological Methods, 2001, 44, 239-251.	1.6	266
47	Visualization of N -Acylhomoserine Lactone-Mediated Cell-Cell Communication between Bacteria Colonizing the Tomato Rhizosphere. Applied and Environmental Microbiology, 2001, 67, 5761-5770.	3.1	262
48	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. Applied and Environmental Microbiology, 2002, 68, 2008-2017.	3.1	259
49	Regulation of biofilm formation in <i>Pseudomonas</i> and <i>Burkholderia</i> species. Environmental Microbiology, 2014, 16, 1961-1981.	3.8	257
50	Bacterial biofilms: prokaryotic adventures in multicellularity. Current Opinion in Microbiology, 2003, 6, 578-585.	5.1	251
51	[2] Molecular tools for study of biofilm physiology. Methods in Enzymology, 1999, 310, 20-42.	1.0	246
52	Phenotypes of Non-Attached <i>Pseudomonas aeruginosa</i> Aggregates Resemble Surface Attached Biofilm. PLoS ONE, 2011, 6, e27943.	2.5	245
53	Chemical mediation of bacterial surface colonisation by secondary metabolites from the red alga <i>Delisea pulchra</i> . Aquatic Microbial Ecology, 1998, 15, 233-246.	1.8	238
54	How <i>Delisea pulchra</i> furanones affect quorum sensing and swarming motility in <i>Serratia liquefaciens</i> MG1. Microbiology (United Kingdom), 2000, 146, 3237-3244.	1.8	234

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55	Fluorescence-Based Reporter for Gauging Cyclic Di-GMP Levels in <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 5060-5069.	3.1	234
56	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 <i>Cftr</i> ^Δ Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3677-3687.	3.2	231
57	Experimental reproducibility in flow-chamber biofilms. <i>Microbiology (United Kingdom)</i> , 2000, 146, 2409-2415.	1.8	224
58	Quorum Sensing and Virulence of <i>Pseudomonas aeruginosa</i> during Lung Infection of Cystic Fibrosis Patients. <i>PLoS ONE</i> , 2010, 5, e10115.	2.5	217
59	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.	2.2	214
60	Quorum Sensing-Controlled Biofilm Development in <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 2004, 186, 692-698.	2.2	213
61	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, 3416-3423.	3.1	207
62	<i>Pseudomonas aeruginosa</i> recognizes and responds aggressively to the presence of polymorphonuclear leukocytes. <i>Microbiology (United Kingdom)</i> , 2009, 155, 3500-3508.	1.8	207
63	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, 253-262.	2.8	201
64	The immune system vs. <i>Pseudomonas aeruginosa</i> biofilms. <i>FEMS Immunology and Medical Microbiology</i> , 2010, 59, 292-305.	2.7	201
65	<i>Pseudomonas aeruginosa</i> Biofilm Infections: Community Structure, Antimicrobial Tolerance and Immune Response. <i>Journal of Molecular Biology</i> , 2015, 427, 3628-3645.	4.2	200
66	Computer-Aided Identification of Recognized Drugs as <i>Pseudomonas aeruginosa</i> Quorum-Sensing Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 2432-2443.	3.2	199
67	Biased 16S rDNA PCR amplification caused by interference from DNA flanking the template region. <i>FEMS Microbiology Ecology</i> , 1998, 26, 141-149.	2.7	190
68	Surface Motility of <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 1999, 181, 1703-1712.	2.2	188
69	Quorum Sensing Antagonism from Marine Organisms. <i>Marine Biotechnology</i> , 2008, 10, 56-63.	2.4	182
70	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, 2410-2421.	3.1	180
71	Silver against <i>Pseudomonas aeruginosa</i> biofilms. <i>Apmis</i> , 2007, 115, 921-928.	2.0	178
72	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, 537-546.	2.0	177

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73	<i>Pseudomonas aeruginosa</i> mutations in lasI and rhlI quorum sensing systems result in milder chronic lung infection. Microbiology (United Kingdom), 2001, 147, 1105-1113.	1.8	177
74	Reactivity and Synthetic Applications of Multicomponent Petasis Reactions. Chemical Reviews, 2019, 119, 11245-11290.	47.7	173
75	Polymorphonuclear leucocytes consume oxygen in sputum from chronic <i>Pseudomonas aeruginosa</i> pneumonia in cystic fibrosis. Thorax, 2010, 65, 57-62.	5.6	167
76	Quorum sensing in <i>Serratia</i> . FEMS Microbiology Reviews, 2007, 31, 407-424.	8.6	166
77	Dynamics and Spatial Distribution of β -Lactamase Expression in <i>Pseudomonas aeruginosa</i> Biofilms. Antimicrobial Agents and Chemotherapy, 2004, 48, 1168-1174.	3.2	165
78	Combating biofilms. FEMS Immunology and Medical Microbiology, 2012, 65, 146-157.	2.7	163
79	<i>Pseudomonas aeruginosa</i> Biofilms. Advances in Applied Microbiology, 2014, 86, 1-40.	2.4	160
80	Novel Mouse Model of Chronic <i>Pseudomonas aeruginosa</i> Lung Infection Mimicking Cystic Fibrosis. Infection and Immunity, 2005, 73, 2504-2514.	2.2	158
81	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. Journal of Antimicrobial Chemotherapy, 2012, 67, 1198-1206.	3.0	158
82	Detection of N-acylhomoserine lactones in lung tissues of mice infected with <i>Pseudomonas aeruginosa</i> . Microbiology (United Kingdom), 2000, 146, 2481-2493.	1.8	156
83	Quorum-sensing blockade as a strategy for enhancing host defences against bacterial pathogens. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 1213-1222.	4.0	149
84	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> . FEMS Microbiology Letters, 2001, 205, 131-138.	1.8	147
85	Do marine natural products interfere with prokaryotic AHL regulatory systems?. Aquatic Microbial Ecology, 1997, 13, 85-93.	1.8	147
86	Pyoverdine and PQS mediated subpopulation interactions involved in <i>Pseudomonas aeruginosa</i> biofilm formation. Molecular Microbiology, 2009, 74, 1380-1392.	2.5	146
87	Quorum-sensing-directed protein expression in <i>Serratia proteamaculans</i> B5a. Microbiology (United Kingdom), 2001, 145, 143-150.	1.8	143
88	Identification of quorum-sensing regulated proteins in the opportunistic pathogen <i>Pseudomonas aeruginosa</i> by proteomics. Environmental Microbiology, 2003, 5, 1350-1369.	3.8	142
89	Genetic analysis of functions involved in the late stages of biofilm development in <i>Burkholderia cepacia</i> H111. Molecular Microbiology, 2002, 46, 411-426.	2.5	141
90	An Inhibitor of Bacterial Quorum Sensing Reduces Mortalities Caused by Vibriosis in Rainbow Trout (<i>Oncorhynchus mykiss</i> , Walbaum). Systematic and Applied Microbiology, 2004, 27, 350-359.	2.8	140

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91	Selective labelling and eradication of antibiotic-tolerant bacterial populations in <i>Pseudomonas aeruginosa</i> biofilms. <i>Nature Communications</i> , 2016, 7, 10750.	12.8	137
92	<i>Pseudomonas aeruginosa</i> uses type III secretion system to kill biofilm-associated amoebae. <i>ISME Journal</i> , 2008, 2, 843-852.	9.8	134
93	Quorum Sensing. <i>BioDrugs</i> , 2003, 17, 241-250.	4.6	133
94	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, 6371-6382.	3.1	131
95	Expression of Fap amyloids in <i>Pseudomonas aeruginosa</i> , <i>Pseudomonas fluorescens</i> and <i>Pseudomonas putida</i> results in aggregation and increased biofilm formation. <i>MicrobiologyOpen</i> , 2013, 2, 365-382.	3.0	130
96	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, 410-419.	4.0	128
97	Quantitative analysis of the cellular inflammatory response against biofilm bacteria in chronic wounds. <i>Wound Repair and Regeneration</i> , 2011, 19, 387-391.	3.0	126
98	Anaerobic Survival of <i>Pseudomonas aeruginosa</i> by Pyruvate Fermentation Requires an Usp-Type Stress Protein. <i>Journal of Bacteriology</i> , 2006, 188, 659-668.	2.2	125
99	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, 327-341.	2.5	125
100	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.	1.8	124
101	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.	1.8	124
102	The bacteriology of chronic venous leg ulcer examined by culture-independent molecular methods. <i>Wound Repair and Regeneration</i> , 2010, 18, 38-49.	3.0	124
103	Detection of Bacteria by Fluorescence in Situ Hybridization in Culture-Negative Soft Tissue Filler Lesions. <i>Dermatologic Surgery</i> , 2009, 35, 1620-1624.	0.8	122
104	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, 4293-4302.	3.1	121
105	Antibiofilm Properties of Acetic Acid. <i>Advances in Wound Care</i> , 2015, 4, 363-372.	5.1	118
106	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, 4284-4287.	3.1	117
107	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, 356-362.	2.0	116
108	<i>Pseudomonas aeruginosa</i> with <i>LasI</i> Quorum-Sensing Deficiency during Corneal Infection. , 2004, 45, 1897.		115

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109	Constitutive High Expression of Chromosomal β -Lactamase in <i>Pseudomonas aeruginosa</i> Caused by a New Insertion Sequence (IS 1669) Located in ampD. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3406-3411.	3.2	114
110	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, 4492-4501.	2.2	113
111	Identification of Five Structurally Unrelated Quorum-Sensing Inhibitors of <i>Pseudomonas aeruginosa</i> from a Natural-Derivative Database. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5629-5641.	3.2	113
112	Origin and Evolution of European Community-Acquired Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>MBio</i> , 2014, 5, e01044-14.	4.1	112
113	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.	2.5	111
114	An <i>in vitro</i> model of bacterial infections in wounds and other soft tissues. <i>Apmis</i> , 2010, 118, 156-164.	2.0	109
115	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.	6.4	109
116	Combination of microscopic techniques reveals a comprehensive visual impression of biofilm structure and composition. <i>FEMS Immunology and Medical Microbiology</i> , 2012, 65, 335-342.	2.7	106
117	The role of quorum sensing in the pathogenicity of the cunning aggressor <i>Pseudomonas aeruginosa</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 409-414.	3.7	105
118	Involvement of Bacterial Quorum-Sensing Signals in Spoilage of Bean Sprouts. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3321-3330.	3.1	98
119	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.	6.4	98
120	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, 445-454.	2.5	96
121	Quorum-Sensing Regulation of Adhesion in <i>Serratia marcescens</i> MG1 Is Surface Dependent. <i>Journal of Bacteriology</i> , 2007, 189, 2702-2711.	2.2	95
122	Interference of <i>Pseudomonas aeruginosa</i> signalling and biofilm formation for infection control. <i>Expert Reviews in Molecular Medicine</i> , 2010, 12, e11.	3.9	95
123	The contribution of cell-cell signaling and motility to bacterial biofilm formation. <i>MRS Bulletin</i> , 2011, 36, 367-373.	3.5	95
124	Quorum Sensing Inhibition: Targeting Chemical Communication in Gramnegative Bacteria. <i>Current Medicinal Chemistry</i> , 2005, 12, 3103-3115.	2.4	94
125	Antibiotics inhibit tumor and disease activity in cutaneous T-cell lymphoma. <i>Blood</i> , 2019, 134, 1072-1083.	1.4	94
126	Synthesis of furanone-Based natural product analogues with quorum sensing antagonist activity. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3261-3271.	3.0	93

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127	Bis-(3- β -D-Glucopyranosyl)-Cyclic Dimeric GMP Regulates Antimicrobial Peptide Resistance in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2066-2075.	3.2	93
128	Bursting the bubble on bacterial biofilms: a flow cell methodology. <i>Biofouling</i> , 2012, 28, 835-842.	2.2	92
129	Targeting quorum sensing in <i>Pseudomonas aeruginosa</i> biofilms: current and emerging inhibitors. <i>Future Microbiology</i> , 2013, 8, 901-921.	2.0	92
130	Analysis of the multimer resolution system encoded by the <i>parCBA</i> operon of broad-host-range plasmid RP4. <i>Molecular Microbiology</i> , 1994, 12, 131-141.	2.5	91
131	Production of Acylated Homoserine Lactones by Psychrotrophic Members of the <i>Enterobacteriaceae</i> Isolated from Foods. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3458-3463.	3.1	91
132	Two Separate Regulatory Systems Participate in Control of Swarming Motility of <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 1998, 180, 742-745.	2.2	91
133	<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, 335-345.	2.7	90
134	Bacteria-Triggered Release of Antimicrobial Agents. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 439-441.	13.8	90
135	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, 4509-4516.	3.1	89
136	In silico analyses of metagenomes from human atherosclerotic plaque samples. <i>Microbiome</i> , 2015, 3, 38.	11.1	87
137	Application of molecular tools for in situ monitoring of bacterial growth activity. <i>Environmental Microbiology</i> , 1999, 1, 383-391.	3.8	85
138	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.	2.5	85
139	Emerging frontiers in detection and control of bacterial biofilms. <i>Current Opinion in Biotechnology</i> , 2014, 26, 1-6.	6.6	83
140	Detection of Pathogenic Biofilms with Bacterial Amyloid Targeting Fluorescent Probe, CDy11. <i>Journal of the American Chemical Society</i> , 2016, 138, 402-407.	13.7	82
141	Influence of putative exopolysaccharide genes on <i>Pseudomonas putida</i> KT2440 biofilm stability. <i>Environmental Microbiology</i> , 2011, 13, 1357-1369.	3.8	81
142	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, 2705-2713.	2.2	81
143	Effects of ginseng on <i>Pseudomonas aeruginosa</i> motility and biofilm formation. <i>FEMS Immunology and Medical Microbiology</i> , 2011, 62, 49-56.	2.7	78
144	First case of <i>E. anophelis</i> outbreak in an intensive-care unit. <i>Lancet</i> , The, 2013, 382, 855-856.	13.7	78

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