Tim Holm Jakobsen

List of Publications by Year
in descending order

34 papers	2,276 citations	331538 21 h-index	395590 33 g-index
34 all docs	34 docs citations	34 times ranked	2944 citing authors

#	Article	IF	Citations
1	Ajoene, a Sulfur-Rich Molecule from Garlic, Inhibits Genes Controlled by Quorum Sensing. Antimicrobial Agents and Chemotherapy, 2012, 56, 2314-2325.	1.4	383
2	Quorum Sensing and Virulence of Pseudomonas aeruginosa during Lung Infection of Cystic Fibrosis Patients. PLoS ONE, 2010, 5, e10115.	1.1	217
3	Computer-Aided Identification of Recognized Drugs as Pseudomonas aeruginosa Quorum-Sensing Inhibitors. Antimicrobial Agents and Chemotherapy, 2009, 53, 2432-2443.	1.4	199
4	Food as a Source for Quorum Sensing Inhibitors: Iberin from Horseradish Revealed as a Quorum Sensing Inhibitor of Pseudomonas aeruginosa. Applied and Environmental Microbiology, 2012, 78, 2410-2421.	1.4	180
5	Synergistic antibacterial efficacy of early combination treatment with tobramycin and quorum-sensing inhibitors against Pseudomonas aeruginosa in an intraperitoneal foreign-body infection mouse model. Journal of Antimicrobial Chemotherapy, 2012, 67, 1198-1206.	1.3	158
6	Pseudomonas aeruginosa Aggregate Formation in an Alginate Bead Model System Exhibits In Vivo -Like Characteristics. Applied and Environmental Microbiology, 2017, 83, .	1.4	109
7	Metagenomic and metatranscriptomic analysis of saliva reveals disease-associated microbiota in patients with periodontitis and dental caries. Npj Biofilms and Microbiomes, 2017, 3, 23.	2.9	109
8	Disulfide Bond-Containing Ajoene Analogues As Novel Quorum Sensing Inhibitors of Pseudomonas aeruginosa. Journal of Medicinal Chemistry, 2017, 60, 215-227.	2.9	98
9	Targeting quorum sensing in Pseudomonas aeruginosa biofilms: current and emerging inhibitors. Future Microbiology, 2013, 8, 901-921.	1.0	92
10	Complete Genome Sequence of the Cystic Fibrosis Pathogen Achromobacter xylosoxidans NH44784-1996 Complies with Important Pathogenic Phenotypes. PLoS ONE, 2013, 8, e68484.	1.1	85
11	In vitro screens for quorum sensing inhibitors and in vivo confirmation of their effect. Nature Protocols, 2010, 5, 282-293.	5.5	72
12	Small Molecule Anti-biofilm Agents Developed on the Basis of Mechanistic Understanding of Biofilm Formation. Frontiers in Chemistry, 2019, 7, 742.	1.8	70
13	A broad range quorum sensing inhibitor working through sRNA inhibition. Scientific Reports, 2017, 7, 9857.	1.6	60
14	Fusaric acid and analogues as Gram-negative bacterial quorum sensing inhibitors. European Journal of Medicinal Chemistry, 2017, 126, 1011-1020.	2.6	53
15	Bacterial Biofilm Control by Perturbation of Bacterial Signaling Processes. International Journal of Molecular Sciences, 2017, 18, 1970.	1.8	52
16	Comparative Systems Biology Analysis To Study the Mode of Action of the Isothiocyanate Compound Iberin on Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2014, 58, 6648-6659.	1.4	43
17	Identification of small molecules that interfere with c-di-GMP signaling and induce dispersal of Pseudomonas aeruginosa biofilms. Npj Biofilms and Microbiomes, 2021, 7, 59.	2.9	37
18	Quorum Sensing Regulation in Aeromonas hydrophila. Journal of Molecular Biology, 2010, 396, 849-857.	2.0	35

#	Article	IF	Citations
19	Triazole-containing N-acyl homoserine lactones targeting the quorum sensing system in Pseudomonas aeruginosa. Bioorganic and Medicinal Chemistry, 2015, 23, 1638-1650.	1.4	33
20	Oxidative stress response plays a role in antibiotic tolerance of Streptococcus mutans biofilms. Microbiology (United Kingdom), 2019, 165, 334-342.	0.7	30
21	Implants induce a new niche for microbiomes. Apmis, 2018, 126, 685-692.	0.9	28
22	Induction of Native c-di-GMP Phosphodiesterases Leads to Dispersal of Pseudomonas aeruginosa Biofilms. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	25
23	Identification of LasR Ligands through a Virtual Screening Approach. ChemMedChem, 2013, 8, 157-163.	1.6	20
24	Biofilm Survival Strategies in Chronic Wounds. Microorganisms, 2022, 10, 775.	1.6	20
25	The structureâ€"function relationship ofPseudomonas aeruginosain infections and its influence on the microenvironment. FEMS Microbiology Reviews, 2022, 46, .	3.9	19
26	Nitric-oxide-driven oxygen release in anoxic Pseudomonas aeruginosa. IScience, 2021, 24, 103404.	1.9	12
27	Qualitative and Quantitative Determination of Quorum Sensing Inhibition In Vitro. Methods in Molecular Biology, 2011, 692, 253-263.	0.4	11
28	Sampling challenges in diagnosis of chronic bacterial infections. Journal of Medical Microbiology, 2021, 70, .	0.7	8
29	Solidâ€Phase Synthesis and Biological Evaluation of Nâ€Đipeptido <scp>L</scp>â€Homoserine Lactones as Quorum Sensing Activators. ChemBioChem, 2014, 15, 460-465.	1.3	6
30	SAR study of 4-arylazo-3,5-diamino-1H-pyrazoles: identification of small molecules that induce dispersal of Pseudomonas aeruginosa biofilms. RSC Medicinal Chemistry, 2021, 12, 1868-1878.	1.7	4
31	Imaging N-Acyl Homoserine Lactone Quorum Sensing In Vivo. Methods in Molecular Biology, 2018, 1673, 203-212.	0.4	3
32	Qualitative and Quantitative Determination of Quorum Sensing Inhibition In Vitro. Methods in Molecular Biology, 2018, 1673, 275-285.	0.4	3
33	Novel and Future Treatment Strategies. , 2011, , 231-249.		1
34	Solid-phase synthesis and biological evaluation of piperazine-based novel bacterial topoisomerase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2022, 57, 128499.	1.0	1