Alexa Price-Whelan

List of Publications by Year
in descending order

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Version: 2024-02-01

22	3,215	394421	713466
papers	citations	19 h-index	21 g-index

27	27	27	3290
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gradients and consequences of heterogeneity in biofilms. Nature Reviews Microbiology, 2022, 20, 593-607.	28.6	84
2	Pseudomonas aeruginosa PA14 produces R-bodies, extendable protein polymers with roles in host colonization and virulence. Nature Communications, 2021, 12, 4613.	12.8	7
3	Spatial alanine metabolism determines local growth dynamics of Escherichia coli colonies. ELife, 2021, 10, .	6.0	36
4	Light-Mediated Decreases in Cyclic di-GMP Levels Inhibit Structure Formation inPseudomonas aeruginosaBiofilms. Journal of Bacteriology, 2020, 202, .	2.2	23
5	Interdependency of Respiratory Metabolism and Phenazine-Associated Physiology in Pseudomonas aeruginosa PA14. Journal of Bacteriology, 2020, 202, .	2.2	33
6	Metabolic Heterogeneity and Cross-Feeding in Bacterial Multicellular Systems. Trends in Microbiology, 2020, 28, 732-743.	7.7	65
7	Sensory Domains That Control Cyclic di-GMP-Modulating Proteins: A Critical Frontier in Bacterial Signal Transduction. , 2020, , 137-158.		4
8	Phenazine production promotes antibiotic tolerance and metabolic heterogeneity in Pseudomonas aeruginosa biofilms. Nature Communications, 2019, 10, 762.	12.8	176
9	Phenazines Regulate Nap-Dependent Denitrification in Pseudomonas aeruginosa Biofilms. Journal of Bacteriology, 2018, 200, .	2.2	29
10	The Pseudomonas aeruginosa Complement of Lactate Dehydrogenases Enables Use of <scp>d</scp> - and <scp>l</scp> -Lactate and Metabolic Cross-Feeding. MBio, 2018, 9, .	4.1	33
11	Electron-shuttling antibiotics structure bacterial communities by modulating cellular levels of c-di-GMP. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5236-E5245.	7.1	82
12	An orphan cbb3-type cytochrome oxidase subunit supports Pseudomonas aeruginosa biofilm growth and virulence. ELife, 2017, 6, .	6.0	77
13	The Pseudomonas aeruginosa efflux pump MexGHI-OpmD transports a natural phenazine that controls gene expression and biofilm development. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3538-47.	7.1	145
14	Electrochemical camera chip for simultaneous imaging of multiple metabolites in biofilms. Nature Communications, 2016, 7, 10535.	12.8	105
15	An Aerobic Exercise: Defining the Roles of Pseudomonas aeruginosa Terminal Oxidases. Journal of Bacteriology, 2014, 196, 4203-4205.	2.2	12
16	Redox-driven regulation of microbial community morphogenesis. Current Opinion in Microbiology, 2014, 18, 39-45.	5.1	64
17	Bacterial Community Morphogenesis Is Intimately Linked to the Intracellular Redox State. Journal of Bacteriology, 2013, 195, 1371-1380.	2.2	268
18	Redundant phenazine operons in Pseudomonas aeruginosa exhibit environment-dependent expression and differential roles in pathogenicity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19420-19425.	7.1	158

#	Article	IF	Citations
19	Redox-Active Antibiotics Control Gene Expression and Community Behavior in Divergent Bacteria. Science, 2008, 321, 1203-1206.	12.6	394
20	Pyocyanin Alters Redox Homeostasis and Carbon Flux through Central Metabolic Pathways in Pseudomonas aeruginosa PA14. Journal of Bacteriology, 2007, 189, 6372-6381.	2.2	291
21	The phenazine pyocyanin is a terminal signalling factor in the quorum sensing network of Pseudomonas aeruginosa. Molecular Microbiology, 2006, 61, 1308-1321.	2.5	639
22	Rethinking 'secondary' metabolism: physiological roles for phenazine antibiotics. Nature Chemical Biology, 2006, 2, 71-78.	8.0	483