

David T Kysela

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1091210/publications.pdf>

Version: 2024-02-01

11
papers

774
citations

933447

10
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

1126
citing authors

#	ARTICLE	IF	CITATIONS
1	Obstruction of pilus retraction stimulates bacterial surface sensing. <i>Science</i> , 2017, 358, 535-538.	12.6	231
2	Evolutionary determinants of genome-wide nucleotide composition. <i>Nature Ecology and Evolution</i> , 2018, 2, 237-240.	7.8	126
3	Diversity Takes Shape: Understanding the Mechanistic and Adaptive Basis of Bacterial Morphology. <i>PLoS Biology</i> , 2016, 14, e1002565.	5.6	96
4	A bacterial extracellular DNA inhibits settling of motile progeny cells within a biofilm. <i>Molecular Microbiology</i> , 2010, 77, 815-829.	2.5	88
5	Biological Consequences and Advantages of Asymmetric Bacterial Growth. <i>Annual Review of Microbiology</i> , 2013, 67, 417-435.	7.3	64
6	Timescales and Frequencies of Reversible and Irreversible Adhesion Events of Single Bacterial Cells. <i>Analytical Chemistry</i> , 2015, 87, 12032-12039.	6.5	63
7	ComM is a hexameric helicase that promotes branch migration during natural transformation in diverse Gram-negative species. <i>Nucleic Acids Research</i> , 2018, 46, 6099-6111.	14.5	39
8	Novel Pseudotaxis Mechanisms Improve Migration of Straight-Swimming Bacterial Mutants Through a Porous Environment. <i>MBio</i> , 2015, 6, e00005.	4.1	20
9	Restricted Localization of Photosynthetic Intracytoplasmic Membranes (ICMs) in Multiple Genera of Purple Nonsulfur Bacteria. <i>MBio</i> , 2018, 9, .	4.1	18
10	Origin of a Core Bacterial Gene via Co-option and Detoxification of a Phage Lysin. <i>Current Biology</i> , 2019, 29, 1634-1646.e6.	3.9	16
11	Nitric oxide stimulates type IV MSHA pilus retraction in <i>Vibrio cholerae</i> via activation of the phosphodiesterase CdpA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	13