

Yann S Dufour

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,100
citations

567144

15
h-index

677027

22
g-index

28
all docs

28
docs citations

28
times ranked

1432
citing authors

#	ARTICLE	IF	CITATIONS
1	A microfluidic chemostat for experiments with bacterial and yeast cells. <i>Nature Methods</i> , 2005, 2, 685-689.	9.0	243
2	H-NOX-mediated nitric oxide sensing modulates symbiotic colonization by <i>Vibrio fischeri</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8375-8380.	3.3	100
3	Adaptability of non-genetic diversity in bacterial chemotaxis. <i>ELife</i> , 2014, 3, .	2.8	90
4	Organization and Evolution of the Biological Response to Singlet Oxygen Stress. <i>Journal of Molecular Biology</i> , 2008, 383, 713-730.	2.0	65
5	Conservation of thiol-oxidative stress responses regulated by SigR orthologues in actinomycetes. <i>Molecular Microbiology</i> , 2012, 85, 326-344.	1.2	65
6	Limits of Feedback Control in Bacterial Chemotaxis. <i>PLoS Computational Biology</i> , 2014, 10, e1003694.	1.5	65
7	Reconstruction of the Core and Extended Regulons of Global Transcription Factors. <i>PLoS Genetics</i> , 2010, 6, e1001027.	1.5	62
8	Direct Correlation between Motile Behavior and Protein Abundance in Single Cells. <i>PLoS Computational Biology</i> , 2016, 12, e1005041.	1.5	60
9	Non-genetic diversity modulates population performance. <i>Molecular Systems Biology</i> , 2016, 12, 895.	3.2	59
10	<i>Escherichia coli</i> Remodels the Chemotaxis Pathway for Swarming. <i>MBio</i> , 2019, 10, .	1.8	49
11	Convergence of the Transcriptional Responses to Heat Shock and Singlet Oxygen Stresses. <i>PLoS Genetics</i> , 2012, 8, e1002929.	1.5	42
12	Extracytoplasmic function Ïf factors of the widely distributed group ECF41 contain a fused regulatory domain. <i>MicrobiologyOpen</i> , 2012, 1, 194-213.	1.2	40
13	Changes in Cell Size and Shape during 50,000 Generations of Experimental Evolution with <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2021, 203, .	1.0	39
14	Hook length of the bacterial flagellum is optimized for maximal stability of the flagellar bundle. <i>PLoS Biology</i> , 2018, 16, e2006989.	2.6	31
15	chipD: a web tool to design oligonucleotide probes for high-density tiling arrays. <i>Nucleic Acids Research</i> , 2010, 38, W321-W325.	6.5	23
16	<i>Vibrio cholerae</i> adapts to sessile and motile lifestyles by cyclic di-GMP regulation of cell shape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29046-29054.	3.3	21
17	Alkaline pH Increases Swimming Speed and Facilitates Mucus Penetration for <i>Vibrio cholerae</i> . <i>Journal of Bacteriology</i> , 2021, 203, .	1.0	12
18	Tumble Suppression Is a Conserved Feature of Swarming Motility. <i>MBio</i> , 2020, 11, .	1.8	10

#	ARTICLE	IF	CITATIONS
19	Cell density, alignment, and orientation correlate with C-signalâ€‘dependent gene expression during <i>Myxococcus xanthus</i> development. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
20	Signal Correlations in Ecological Niches Can Shape the Organization and Evolution of Bacterial Gene Regulatory Networks. Advances in Microbial Physiology, 2012, 61, 1-36.	1.0	6
21	Thermal Robustness: Lessons from Bacterial Chemotaxis. Current Biology, 2011, 21, R465-R468.	1.8	3