

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 | Alkaline pH Increases Swimming Speed and Facilitates Mucus Penetration for <i>Vibrio cholerae</i> . <i>Journal of Bacteriology</i> , 2021, 203, . | 1.0 | 12 |
| 2 | 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 |
| 3 | Cell density, alignment, and orientation correlate with C-signalâ€‘dependent gene expression during <i>Myxococcus xanthus</i> development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 7 |
| 4 | <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 |
| 5 | Tumble Suppression Is a Conserved Feature of Swarming Motility. <i>MBio</i> , 2020, 11, . | 1.8 | 10 |
| 6 | <i>Escherichia coli</i> Remodels the Chemotaxis Pathway for Swarming. <i>MBio</i> , 2019, 10, . | 1.8 | 49 |
| 7 | 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 |
| 8 | Direct Correlation between Motile Behavior and Protein Abundance in Single Cells. <i>PLoS Computational Biology</i> , 2016, 12, e1005041. | 1.5 | 60 |
| 9 | Nonâ€‘genetic diversity modulates population performance. <i>Molecular Systems Biology</i> , 2016, 12, 895. | 3.2 | 59 |
| 10 | Limits of Feedback Control in Bacterial Chemotaxis. <i>PLoS Computational Biology</i> , 2014, 10, e1003694. | 1.5 | 65 |
| 11 | Adaptability of non-genetic diversity in bacterial chemotaxis. <i>ELife</i> , 2014, 3, . | 2.8 | 90 |
| 12 | Convergence of the Transcriptional Responses to Heat Shock and Singlet Oxygen Stresses. <i>PLoS Genetics</i> , 2012, 8, e1002929. | 1.5 | 42 |
| 13 | Signal Correlations in Ecological Niches Can Shape the Organization and Evolution of Bacterial Gene Regulatory Networks. <i>Advances in Microbial Physiology</i> , 2012, 61, 1-36. | 1.0 | 6 |
| 14 | Extracytoplasmic function Ïƒ factors of the widely distributed group ECF41 contain a fused regulatory domain. <i>MicrobiologyOpen</i> , 2012, 1, 194-213. | 1.2 | 40 |
| 15 | Conservation of thiolâ€‘oxidative stress responses regulated by SigR orthologues in actinomycetes. <i>Molecular Microbiology</i> , 2012, 85, 326-344. | 1.2 | 65 |
| 16 | Thermal Robustness: Lessons from Bacterial Chemotaxis. <i>Current Biology</i> , 2011, 21, R465-R468. | 1.8 | 3 |
| 17 | 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 |
| 18 | H-NOXâ€‘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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Reconstruction of the Core and Extended Regulons of Global Transcription Factors. PLoS Genetics, 2010, 6, e1001027. | 1.5 | 62 |
| 20 | Organization and Evolution of the Biological Response to Singlet Oxygen Stress. Journal of Molecular Biology, 2008, 383, 713-730. | 2.0 | 65 |
| 21 | A microfluidic chemostat for experiments with bacterial and yeast cells. Nature Methods, 2005, 2, 685-689. | 9.0 | 243 |