

Jean-Benoît Lalanne

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

561
citations

1040056

9
h-index

1125743

13
g-index

17
all docs

17
docs citations

17
times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary Convergence of Pathway-Specific Enzyme Expression Stoichiometry. <i>Cell</i> , 2018, 173, 749-761.e38.	28.9	150
2	Functionally uncoupled transcription-translation in <i>Bacillus subtilis</i> . <i>Nature</i> , 2020, 585, 124-128.	27.8	109
3	From coarse to fine: the absolute <i>Escherichia coli</i> proteome under diverse growth conditions. <i>Molecular Systems Biology</i> , 2021, 17, e9536.	7.2	82
4	Maturation of polycistronic mRNAs by the endoribonuclease RNase Y and its associated Y-complex in <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5585-E5594.	7.1	59
5	Principles of Adaptive Sorting Revealed by <i>InSilico</i> Evolution. <i>Physical Review Letters</i> , 2013, 110, 218102.	7.8	36
6	Alternative transcription cycle for bacterial RNA polymerase. <i>Nature Communications</i> , 2020, 11, 448.	12.8	31
7	Growth-Optimized Aminoacyl-tRNA Synthetase Levels Prevent Maximal tRNA Charging. <i>Cell Systems</i> , 2020, 11, 121-130.e6.	6.2	30
8	Chemodetection in fluctuating environments: Receptor coupling, buffering, and antagonism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1898-1903.	7.1	24
9	Quantitative Control for Stoichiometric Protein Synthesis. <i>Annual Review of Microbiology</i> , 2021, 75, 243-267.	7.3	14
10	Spurious regulatory connections dictate the expression-fitness landscape of translation factors. <i>Molecular Systems Biology</i> , 2021, 17, e10302.	7.2	8
11	Note: Electrochemical etching of sharp iridium tips. <i>Review of Scientific Instruments</i> , 2011, 82, 116105.	1.3	7
12	Differential translation of mRNA isoforms transcribed with distinct sigma factors. <i>Rna</i> , 2021, 27, 791-804.	3.5	4