

Matthieu Jules

List of Publications by Year in descending order

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31
papers

2,986
citations

304743

22
h-index

434195

31
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33
all docs

33
docs citations

33
times ranked

3388
citing authors

#	ARTICLE	IF	CITATIONS
1	Four species of bacteria deterministically assemble to form a stable biofilm in a millifluidic channel. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 64.	6.4	8
2	Extrinsic noise prevents the independent tuning of gene expression noise and protein mean abundance in bacteria. <i>Science Advances</i> , 2020, 6, .	10.3	11
3	SppI Forms a Membrane Protein Complex with SppA and Inhibits Its Protease Activity in <i>Bacillus subtilis</i> . <i>MSphere</i> , 2020, 5, .	2.9	3
4	Bacterial growth physiology and RNA metabolism. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194502.	1.9	13
5	Differentiation of Vegetative Cells into Spores: a Kinetic Model Applied to <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	6
6	Molecular and Physiological Logics of the Pyruvate-Induced Response of a Novel Transporter in <i>Bacillus subtilis</i> . <i>MBio</i> , 2017, 8, .	4.1	35
7	A part toolbox to tune genetic expression in <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , 2016, 44, gkw624.	14.5	157
8	Translation elicits a growth rate-dependent, genome-wide, differential protein production in <i>Bacillus subtilis</i> . <i>Molecular Systems Biology</i> , 2016, 12, 870.	7.2	56
9	Quantitative prediction of genome-wide resource allocation in bacteria. <i>Metabolic Engineering</i> , 2015, 32, 232-243.	7.0	125
10	Nicotinic Acid Modulates <i>Legionella pneumophila</i> Gene Expression and Induces Virulence Traits. <i>Infection and Immunity</i> , 2013, 81, 945-955.	2.2	19
11	Transcriptional regulation is insufficient to explain substrate-induced flux changes in <i>Bacillus subtilis</i> . <i>Molecular Systems Biology</i> , 2013, 9, 709.	7.2	149
12	BasyLiCA: a tool for automatic processing of a Bacterial Live Cell Array. <i>Bioinformatics</i> , 2012, 28, 2705-2706.	4.1	8
13	Reconciling molecular regulatory mechanisms with noise patterns of bacterial metabolic promoters in induced and repressed states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 155-160.	7.1	71
14	Global Network Reorganization During Dynamic Adaptations of <i>Bacillus subtilis</i> Metabolism. <i>Science</i> , 2012, 335, 1099-1103.	12.6	255
15	Condition-Dependent Transcriptome Reveals High-Level Regulatory Architecture in <i>Bacillus subtilis</i> . <i>Science</i> , 2012, 335, 1103-1106.	12.6	809
16	GamA is a eukaryotic-like glucoamylase responsible for glycogen- and starch-degrading activity of <i>Legionella pneumophila</i> . <i>International Journal of Medical Microbiology</i> , 2011, 301, 133-139.	3.6	36
17	Absolute quantification of gene expression in individual bacterial cells using two-photon fluctuation microscopy. <i>Analytical Biochemistry</i> , 2011, 419, 250-259.	2.4	22
18	Malate-Mediated Carbon Catabolite Repression in <i>Bacillus subtilis</i> Involves the HPrK/CcpA Pathway. <i>Journal of Bacteriology</i> , 2011, 193, 6939-6949.	2.2	36

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19	The <i>Legionella pneumophila</i> F-box protein Lpp2082 (AnkB) modulates ubiquitination of the host protein parvin B and promotes intracellular replication. <i>Cellular Microbiology</i> , 2010, 12, 1272-1291.	2.1	134
20	pBaSysBioll: an integrative plasmid generating gfp transcriptional fusions for high-throughput analysis of gene expression in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2010, 156, 1600-1608.	1.8	56
21	Metabolic Fluxes during Strong Carbon Catabolite Repression by Malate in <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 1587-1596.	3.4	100
22	Isotopologue Profiling of <i>Legionella pneumophila</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 22232-22243.	3.4	95
23	The <i>Legionella pneumophila</i> LetA/LetS Two-Component System Exhibits Rheostat-Like Behavior. <i>Infection and Immunity</i> , 2010, 78, 2571-2583.	2.2	30
24	The <i>Bacillus subtilis</i> ywjI (glpX) Gene Encodes a Class II Fructose-1,6-Bisphosphatase, Functionally Equivalent to the Class III Fbp Enzyme. <i>Journal of Bacteriology</i> , 2009, 191, 3168-3171.	2.2	18
25	Two small ncRNAs jointly govern virulence and transmission in <i>Legionella pneumophila</i> . <i>Molecular Microbiology</i> , 2009, 72, 741-762.	2.5	166
26	New Insights into Trehalose Metabolism by <i>Saccharomyces cerevisiae</i> : NTH2 Encodes a Functional Cytosolic Trehalase, and Deletion of TPS1 Reveals Ath1p-Dependent Trehalose Mobilization. <i>Applied and Environmental Microbiology</i> , 2008, 74, 605-614.	3.1	73
27	<i>Legionella pneumophila</i> adaptation to intracellular life and the host response: Clues from genomics and transcriptomics. <i>FEBS Letters</i> , 2007, 581, 2829-2838.	2.8	53
28	Virulence strategies for infecting phagocytes deduced from the in vivo transcriptional program of <i>Legionella pneumophila</i> . <i>Cellular Microbiology</i> , 2006, 8, 1228-1240.	2.1	241
29	Autonomous oscillations in <i>Saccharomyces cerevisiae</i> during batch cultures on trehalose. <i>FEBS Journal</i> , 2005, 272, 1490-1500.	4.7	39
30	Acid trehalase in yeasts and filamentous fungi: Localization, regulation and physiological function. <i>FEMS Yeast Research</i> , 2005, 5, 503-511.	2.3	64
31	Two Distinct Pathways for Trehalose Assimilation in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 2771-2778.	3.1	97