

SÃ©bastien Rodrigue

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,431
citations

218677

26
h-index

214800

47
g-index

50
all docs

50
docs citations

50
times ranked

4583
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Cell Genomics Reveals Hundreds of Coexisting Subpopulations in Wild <i>Prochlorococcus</i> . <i>Science</i> , 2014, 344, 416-420.	12.6	506
2	Patterns and Implications of Gene Gain and Loss in the Evolution of <i>Prochlorococcus</i> . <i>PLoS Genetics</i> , 2007, 3, e231.	3.5	469
3	Whole Genome Amplification and De novo Assembly of Single Bacterial Cells. <i>PLoS ONE</i> , 2009, 4, e6864.	2.5	225
4	Ïf Factors and Global Gene Regulation in <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , 2004, 186, 895-902.	2.2	199
5	The Ïf factors of <i>Mycobacterium tuberculosis</i> . <i>FEMS Microbiology Reviews</i> , 2006, 30, 926-941.	8.6	191
6	Unlocking Short Read Sequencing for Metagenomics. <i>PLoS ONE</i> , 2010, 5, e11840.	2.5	157
7	Complete Genome Sequence of <i>Escherichia coli</i> BW25113. <i>Genome Announcements</i> , 2014, 2, .	0.8	148
8	Polyphosphate kinase is involved in stressâ€­induced <i>mprAB</i> â€­ <i>sigE</i> â€­ <i>rel</i> signalling in mycobacteria. <i>Molecular Microbiology</i> , 2007, 65, 261-276.	2.5	128
9	The Master Activator of IncA/C Conjugative Plasmids Stimulates Genomic Islands and Multidrug Resistance Dissemination. <i>PLoS Genetics</i> , 2014, 10, e1004714.	3.5	106
10	Ecology of uncultured <i>Prochlorococcus</i> clades revealed through single-cell genomics and biogeographic analysis. <i>ISME Journal</i> , 2013, 7, 184-198.	9.8	105
11	Novel <i>Mycobacterium tuberculosis</i> anti-Ïf factor antagonists control ÏfF activity by distinct mechanisms. <i>Molecular Microbiology</i> , 2002, 45, 1527-1540.	2.5	94
12	Translatome analysis of an NB-LRR immune response identifies important contributors to plant immunity in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 2333-2344.	4.8	88
13	Identification of Mycobacterial Ïf Factor Binding Sites by Chromatin Immunoprecipitation Assays. <i>Journal of Bacteriology</i> , 2007, 189, 1505-1513.	2.2	87
14	BOFdat: Generating biomass objective functions for genome-scale metabolic models from experimental data. <i>PLoS Computational Biology</i> , 2019, 15, e1006971.	3.2	83
15	The histone variant H2A.Z is an important regulator of enhancer activity. <i>Nucleic Acids Research</i> , 2015, 43, gkv825.	14.5	80
16	Posttranslational Regulation of <i>Mycobacterium tuberculosis</i> Extracytoplasmic-Function Sigma Factor ÏfL and Roles in Virulence and in Global Regulation of Gene Expression. <i>Infection and Immunity</i> , 2006, 74, 2457-2461.	2.2	72
17	Evidence of Complex Transcriptional, Translational, and Posttranslational Regulation of the Extracytoplasmic Function Sigma Factor Ïf E in <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , 2008, 190, 5963-5971.	2.2	61
18	Impact of donorâ€­recipient phylogenetic distance on bacterial genome transplantation. <i>Nucleic Acids Research</i> , 2016, 44, 8501-8511.	14.5	60

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19	Development of pVCR94 ⁺ X from <i>Vibrio cholerae</i> , a prototype for studying multidrug resistant IncA/C conjugative plasmids. <i>Frontiers in Microbiology</i> , 2014, 5, 44.	3.5	51
20	Transfer activation of SXT/R391 integrative and conjugative elements: unraveling the SetCD regulon. <i>Nucleic Acids Research</i> , 2015, 43, 2045-2056.	14.5	48
21	High efficiency delivery of CRISPR-Cas9 by engineered probiotics enables precise microbiome editing. <i>Molecular Systems Biology</i> , 2021, 17, e10335.	7.2	47
22	Biochemical and molecular characterization of a thermostable chitosanase produced by the strain <i>Paenibacillus</i> sp. 1794 newly isolated from compost. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5801-5813.	3.6	41
23	Highly efficient gene transfer in the mouse gut microbiota is enabled by the IncI2 conjugative plasmid TP114. <i>Communications Biology</i> , 2020, 3, 523.	4.4	41
24	Cloning and Transplantation of the <i>Mesoplasma florum</i> Genome. <i>ACS Synthetic Biology</i> , 2018, 7, 209-217.	3.8	40
25	A recombinant <i>Mycobacterium tuberculosis</i> in vitro transcription system. <i>FEMS Microbiology Letters</i> , 2006, 255, 140-147.	1.8	38
26	Comparative Analysis of Mobilizable Genomic Islands. <i>Journal of Bacteriology</i> , 2013, 195, 606-614.	2.2	37
27	Molecular Mechanisms Influencing Bacterial Conjugation in the Intestinal Microbiota. <i>Frontiers in Microbiology</i> , 2021, 12, 673260.	3.5	30
28	Minimal cells, maximal knowledge. <i>ELife</i> , 2019, 8, .	6.0	26
29	A Small-Volume, Low-Cost, and Versatile Continuous Culture Device. <i>PLoS ONE</i> , 2015, 10, e0133384.	2.5	25
30	Unraveling the regulatory network of IncA/C plasmid mobilization: When genomic islands hijack conjugative elements. <i>Mobile Genetic Elements</i> , 2015, 5, 34-38.	1.8	17
31	Inferring the Minimal Genome of <i>Mesoplasma florum</i> by Comparative Genomics and Transposon Mutagenesis. <i>MSystems</i> , 2018, 3, .	3.8	15
32	Genome-scale metabolic modeling reveals key features of a minimal gene set. <i>Molecular Systems Biology</i> , 2021, 17, e10099.	7.2	15
33	Development of <i>oriC</i> -Based Plasmids for <i>Mesoplasma florum</i> . <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	13
34	Bactericidal Activity of the Bacterial ATP Synthase Inhibitor Tomatidine and the Combination of Tomatidine and Aminoglycoside Against Persistent and Virulent Forms of <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 805.	3.5	13
35	Integrative characterization of the near-minimal bacterium <i>Mesoplasma florum</i> . <i>Molecular Systems Biology</i> , 2020, 16, e9844.	7.2	12
36	Crucial role of <i>Salmonella</i> genomic island 1 master activator in the parasitism of IncC plasmids. <i>Nucleic Acids Research</i> , 2021, 49, 7807-7824.	14.5	9

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37	Relative virulence of <i>Staphylococcus aureus</i> bovine mastitis strains representing the main Canadian spa types and clonal complexes as determined using in vitro and in vivo mastitis models. <i>Journal of Dairy Science</i> , 2021, 104, 11904-11921.	3.4	8
38	Complete Genome Sequence of the <i>Mesoplasma florum</i> W37 Strain. <i>Genome Announcements</i> , 2013, 1, .	0.8	7
39	Precise Identification of Genome-Wide Transcription Start Sites in Bacteria by 5â€²-Rapid Amplification of cDNA Ends (5â€²-RACE). <i>Methods in Molecular Biology</i> , 2015, 1334, 143-159.	0.9	6
40	Precise Identification of DNA-Binding Proteins Genomic Location by Exonuclease Coupled Chromatin Immunoprecipitation (ChIP-exo). <i>Methods in Molecular Biology</i> , 2015, 1334, 173-193.	0.9	5
41	Four National Maps of Broad Forest Type Provide Inconsistent Answers to the Question of What Burns in Canada. <i>Remote Sensing</i> , 2016, 8, 539.	4.0	5
42	Assembly of large mobilizable genetic cargo by double recombinase operated insertion of DNA (DROID). <i>Plasmid</i> , 2019, 104, 102419.	1.4	5
43	The Type IV Pilus of Plasmid TP114 Displays Adhesins Conferring Conjugation Specificity and Is Important for DNA Transfer in the Mouse Gut Microbiota. <i>Microbiology Spectrum</i> , 2022, 10, e0230321.	3.0	5
44	An engineered <i>Mycoplasma pneumoniae</i> to fight <i>Staphylococcus aureus</i> . <i>Molecular Systems Biology</i> , 2021, 17, e10574.	7.2	2
45	Selection and Validation of Spacer Sequences for CRISPR-Cas9 Genome Editing and Transcription Regulation in Bacteria. <i>Methods in Molecular Biology</i> , 2015, 1334, 233-244.	0.9	0
46	The Use of In Silico Genome-Scale Models for the Rational Design of Minimal Cells. , 2020, , 141-175.		0