

Guillaume Cambray

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

2,054
citations

13
h-index

24
g-index

24
ext. papers

2,523
ext. citations

14.3
avg, IF

4.64
L-index

#	Paper	IF	Citations
19	Capsid Proteins Are Necessary for Replication of a Parvovirus. <i>Journal of Virology</i> , 2021 , 95, e0052321	6.6	1
18	Programmable receptors enable bacterial biosensors to detect pathological biomarkers in clinical samples. <i>Nature Communications</i> , 2021 , 12, 5216	17.4	6
17	Recoding of synonymous genes to expand evolutionary landscapes requires control of secondary structure affecting translation. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 184-191	4.9	4
16	Evaluation of 244,000 synthetic sequences reveals design principles to optimize translation in Escherichia coli. <i>Nature Biotechnology</i> , 2018 , 36, 1005-1015	44.5	110
15	D-Tailor: automated analysis and design of DNA sequences. <i>Bioinformatics</i> , 2014 , 30, 1087-1094	7.2	23
14	The superintegron integrase and the cassette promoters are co-regulated in Vibrio cholerae. <i>PLoS ONE</i> , 2014 , 9, e91194	3.7	8
13	Composability of regulatory sequences controlling transcription and translation in Escherichia coli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 14024-9	11.5	274
12	Precise and reliable gene expression via standard transcription and translation initiation elements. <i>Nature Methods</i> , 2013 , 10, 354-60	21.6	485
11	Quantitative estimation of activity and quality for collections of functional genetic elements. <i>Nature Methods</i> , 2013 , 10, 347-53	21.6	150
10	Tuning promoter strengths for improved synthesis and function of electron conduits in Escherichia coli. <i>ACS Synthetic Biology</i> , 2013 , 2, 150-9	5.7	65
9	Measurement and modeling of intrinsic transcription terminators. <i>Nucleic Acids Research</i> , 2013 , 41, 5139-48	14.1	123
8	Toward rational design of bacterial genomes. <i>Current Opinion in Microbiology</i> , 2011 , 14, 624-30	7.9	28
7	Prevalence of SOS-mediated control of integron integrase expression as an adaptive trait of chromosomal and mobile integrons. <i>Mobile DNA</i> , 2011 , 2, 6	4.4	79
6	The synthetic integron: an in vivo genetic shuffling device. <i>Nucleic Acids Research</i> , 2010 , 38, e153	20.1	30
5	Integrons. <i>Annual Review of Genetics</i> , 2010 , 44, 141-66	14.5	347
4	The SOS response controls integron recombination. <i>Science</i> , 2009 , 324, 1034	33.3	277
3	Synonymous genes explore different evolutionary landscapes. <i>PLoS Genetics</i> , 2008 , 4, e1000256	6	33

2	Massive Factorial Design Untangles Coding Sequences Determinants of Translation Efficacy	1
1	Massive Phenotypic Measurements Reveal Complex Physiological Consequences of Differential Translation Efficacies	1