

Mathew Stracy

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.

15
papers

555
citations

10
h-index

21
g-index

21
ext. papers

797
ext. citations

12.8
avg, IF

3.89
L-index

#	Paper	IF	Citations
15	Minimizing treatment-induced emergence of antibiotic resistance in bacterial infections.. <i>Science</i> , 2022 , 375, 889-894	33.3	10
14	Transient non-specific DNA binding dominates the target search of bacterial DNA-binding proteins. <i>Molecular Cell</i> , 2021 , 81, 1499-1514.e6	17.6	9
13	Competitive binding of MatP and topoisomerase IV to the MukB hinge domain. <i>ELife</i> , 2021 , 10,	8.9	1
12	Guidelines for DNA recombination and repair studies: Cellular assays of DNA repair pathways. <i>Microbial Cell</i> , 2019 , 6, 1-64	3.9	27
11	Single-molecule imaging of DNA gyrase activity in living Escherichia coli. <i>Nucleic Acids Research</i> , 2019 , 47, 210-220	20.1	37
10	Tracking tRNA packages. <i>Nature Chemical Biology</i> , 2018 , 14, 528-529	11.7	
9	Understanding Protein Mobility in Bacteria by Tracking Single Molecules. <i>Journal of Molecular Biology</i> , 2018 , 430, 4443-4455	6.5	29
8	Horizontally acquired AT-rich genes in Escherichia coli cause toxicity by sequestering RNA polymerase. <i>Nature Microbiology</i> , 2017 , 2, 16249	26.6	37
7	Tracking Low-Copy Transcription Factors in Living Bacteria: The Case of the lac Repressor. <i>Biophysical Journal</i> , 2017 , 112, 1316-1327	2.9	28
6	Single-molecule and super-resolution imaging of transcription in living bacteria. <i>Methods</i> , 2017 , 120, 103-114	4.6	34
5	Single-molecule imaging of UvrA and UvrB recruitment to DNA lesions in living Escherichia coli. <i>Nature Communications</i> , 2016 , 7, 12568	17.4	63
4	Live-cell superresolution microscopy reveals the organization of RNA polymerase in the bacterial nucleoid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4390-9	11.5	162
3	The Localization and Action of Topoisomerase IV in Escherichia coli Chromosome Segregation Is Coordinated by the SMC Complex, MukBEF. <i>Cell Reports</i> , 2015 , 13, 2587-2596	10.6	66
2	In vivo single-molecule imaging of bacterial DNA replication, transcription, and repair. <i>FEBS Letters</i> , 2014 , 588, 3585-94	3.8	47
1	Transient non-specific DNA binding dominates the target search of bacterial DNA-binding proteins		1