

Jarno Mäkelä

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

365
citations

1039880

9
h-index

996849

15
g-index

18
all docs

18
docs citations

18
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Organization of the Escherichia coli Chromosome by a MukBEF Axial Core. <i>Molecular Cell</i> , 2020, 78, 250-260.e5.	4.5	81
2	Mytoe: automatic analysis of mitochondrial dynamics. <i>Bioinformatics</i> , 2012, 28, 1050-1051.	1.8	54
3	Choosing the right label for single-molecule tracking in live bacteria: side-by-side comparison of photoactivatable fluorescent protein and Halo tag dyes. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 064002.	1.3	51
4	Stochastic sequence-level model of coupled transcription and translation in prokaryotes. <i>BMC Bioinformatics</i> , 2011, 12, 121.	1.2	29
5	Self-organised segregation of bacterial chromosomal origins. <i>ELife</i> , 2019, 8, .	2.8	27
6	In vivo single-molecule kinetics of activation and subsequent activity of the arabinose promoter. <i>Nucleic Acids Research</i> , 2013, 41, 6544-6552.	6.5	26
7	SMC complexes organize the bacterial chromosome by lengthwise compaction. <i>Current Genetics</i> , 2020, 66, 895-899.	0.8	23
8	Dynamic architecture of the Escherichia coli structural maintenance of chromosomes (SMC) complex, MukBEF. <i>Nucleic Acids Research</i> , 2019, 47, 9696-9707.	6.5	20
9	Acyl carrier protein promotes MukBEF action in Escherichia coli chromosome organization-segregation. <i>Nature Communications</i> , 2021, 12, 6721.	5.8	12
10	Nonrandom segregation of sister chromosomes by Escherichia coli MukBEF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2022078118.	3.3	11
11	Effects of codon sequence on the dynamics of genetic networks. <i>Journal of Theoretical Biology</i> , 2012, 315, 17-25.	0.8	9
12	Competitive binding of MatP and topoisomerase IV to the MukB hinge domain. <i>ELife</i> , 2021, 10, .	2.8	8
13	Dynamics of transcription of closely spaced promoters in Escherichia coli, one event at a time. <i>Journal of Theoretical Biology</i> , 2012, 301, 83-94.	0.8	6
14	Automatic detection of changes in the dynamics of delayed stochastic gene networks and in vivo production of RNA molecules in Escherichia coli. <i>Bioinformatics</i> , 2011, 27, 2714-2720.	1.8	4
15	ESTOOLS Data@Hand: human stem cell gene expression resource. <i>Nature Methods</i> , 2013, 10, 814-815.	9.0	4
16	Catching an invader. <i>Nature Reviews Microbiology</i> , 2020, 18, 194-194.	13.6	0