

Jason M Peters

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,919
citations

516710

16
h-index

794594

19
g-index

24
all docs

24
docs citations

24
times ranked

3195
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive, CRISPR-based Functional Analysis of Essential Genes in Bacteria. <i>Cell</i> , 2016, 165, 1493-1506.	28.9	593
2	Construction and Analysis of Two Genome-Scale Deletion Libraries for <i>Bacillus subtilis</i> . <i>Cell Systems</i> , 2017, 4, 291-305.e7.	6.2	457
3	A pause sequence enriched at translation start sites drives transcription dynamics in vivo. <i>Science</i> , 2014, 344, 1042-1047.	12.6	280
4	Bacterial Transcription Terminators: The RNA 3' End Chronicles. <i>Journal of Molecular Biology</i> , 2011, 412, 793-813.	4.2	273
5	Rho and NusG suppress pervasive antisense transcription in <i>Escherichia coli</i> . <i>Genes and Development</i> , 2012, 26, 2621-2633.	5.9	236
6	Regulator Trafficking on Bacterial Transcription Units In Vivo. <i>Molecular Cell</i> , 2009, 33, 97-108.	9.7	217
7	Rho directs widespread termination of intragenic and stable RNA transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15406-15411.	7.1	192
8	Enabling genetic analysis of diverse bacteria with Mobile-CRISPRi. <i>Nature Microbiology</i> , 2019, 4, 244-250.	13.3	163
9	Correcting direct effects of ethanol on translation and transcription machinery confers ethanol tolerance in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2576-85.	7.1	126
10	Bacterial CRISPR: accomplishments and prospects. <i>Current Opinion in Microbiology</i> , 2015, 27, 121-126.	5.1	74
11	Mismatch-CRISPRi Reveals the Co-varying Expression-Fitness Relationships of Essential Genes in <i>Escherichia coli</i> and <i>Bacillus subtilis</i> . <i>Cell Systems</i> , 2020, 11, 523-535.e9.	6.2	72
12	Depletion of Undecaprenyl Pyrophosphate Phosphatases Disrupts Cell Envelope Biogenesis in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2016, 198, 2925-2935.	2.2	50
13	Morphological and Transcriptional Responses to CRISPRi Knockdown of Essential Genes in <i>Escherichia coli</i> . <i>MBio</i> , 2021, 12, e0256121.	4.1	38
14	High-throughput bacterial functional genomics in the sequencing era. <i>Current Opinion in Microbiology</i> , 2015, 27, 86-95.	5.1	35
15	Modulating Pathogenesis with Mobile-CRISPRi. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	31
16	A High-Efficacy CRISPR Interference System for Gene Function Discovery in <i>Zymomonas mobilis</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	26
17	Structure and Function of the Transmembrane Domain of NsaS, an Antibiotic Sensing Histidine Kinase in <i>Staphylococcus aureus</i> . <i>Journal of the American Chemical Society</i> , 2018, 140, 7471-7485.	13.7	17
18	Programmable Gene Knockdown in Diverse Bacteria Using Mobile-CRISPRi. <i>Current Protocols in Microbiology</i> , 2020, 59, e130.	6.5	16

#	ARTICLE	IF	CITATIONS
19	Inhibition of Isoleucyl-tRNA Synthetase by the Hybrid Antibiotic Thiomarinol. Journal of the American Chemical Society, 2021, 143, 12003-12013.	13.7	14
20	mSphere of Influence: Comprehensive Genetic Analysis. MSphere, 2020, 5, .	2.9	0