Jason M Peters

List of Publications by Year in Descending Order

20 papers	1,890 citations	14 h-index	24 g-index
24 ext. papers	2,481 ext. citations	13.4 avg, IF	4.43 L-index

#	Paper	IF	Citations
20	Morphological and Transcriptional Responses to CRISPRi Knockdown of Essential Genes in Escherichia coli. *MBio*, **2021**, 12, e0256121	7.8	3
19	Inhibition of Isoleucyl-tRNA Synthetase by the Hybrid Antibiotic Thiomarinol. *Journal of the American Chemical Society*, **2021**, 143, 12003-12013	16.4	4
18	Mismatch-CRISPRi Reveals the Co-varying Expression-Fitness Relationships of Essential Genes in Escherichia coli and Bacillus subtilis. *Cell Systems*, **2020**, 11, 523-535.e9	10.6	17
17	A High-Efficacy CRISPR Interference System for Gene Function Discovery in Zymomonas mobilis. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	10
16	Programmable Gene Knockdown in Diverse Bacteria Using Mobile-CRISPRi. *Current Protocols in Microbiology*, **2020**, 59, e130	7.1	1
15	Modulating Pathogenesis with Mobile-CRISPRi. *Journal of Bacteriology*, **2019**, 201,	3.5	15
14	Enabling genetic analysis of diverse bacteria with Mobile-CRISPRi. *Nature Microbiology*, **2019**, 4, 244-250	26.6	81
13	Structure and Function of the Transmembrane Domain of NsaS, an Antibiotic Sensing Histidine Kinase in Staphylococcus aureus. *Journal of the American Chemical Society*, **2018**, 140, 7471-7485	16.4	13
12	Construction and Analysis of Two Genome-Scale Deletion Libraries for Bacillus subtilis. *Cell Systems*, **2017**, 4, 291-305.e7	10.6	245
11	Depletion of Undecaprenyl Pyrophosphate Phosphatases Disrupts Cell Envelope Biogenesis in Bacillus subtilis. *Journal of Bacteriology*, **2016**, 198, 2925-2935	3.5	40
10	A Comprehensive, CRISPR-based Functional Analysis of Essential Genes in Bacteria. *Cell*, **2016**, 165, 1493-1506	36.2	367
9	High-throughput bacterial functional genomics in the sequencing era. *Current Opinion in Microbiology*, **2015**, 27, 86-95	7.9	24
8	Bacterial CRISPR: accomplishments and prospects. *Current Opinion in Microbiology*, **2015**, 27, 121-6	7.9	57
7	A pause sequence enriched at translation start sites drives transcription dynamics in vivo. *Science*, **2014**, 344, 1042-7	33.3	209
6	Correcting direct effects of ethanol on translation and transcription machinery confers ethanol tolerance in bacteria. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E2576-85	11.5	96
5	Rho and NusG suppress pervasive antisense transcription in Escherichia coli. *Genes and Development*, **2012**, 26, 2621-33	12.6	169
4	Bacterial transcription terminators: the RNA 3′-end chronicles. *Journal of Molecular Biology*, **2011**, 412, 793-813	6.5	215

3	Rho directs widespread termination of intragenic and stable RNA transcription. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 15406-11	11.5	146
2	Regulator trafficking on bacterial transcription units in vivo. *Molecular Cell*, **2009**, 33, 97-108	17.6	173
1	Modulated efficacy CRISPRi reveals evolutionary conservation of essential gene expression-fitness relationships in bacteria		5