Ray-Yuan Chuang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10765768/publications.pdf

Version: 2024-02-01

18 papers	12,434 citations	516710 16 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	16365 citing authors

#	Article	IF	Citations
1	Genetic requirements for cell division in a genomically minimal cell. Cell, 2021, 184, 2430-2440.e16.	28.9	66
2	One step engineering of the small-subunit ribosomal RNA using CRISPR/Cas9. Scientific Reports, 2016, 6, 30714.	3.3	19
3	Design and synthesis of a minimal bacterial genome. Science, 2016, 351, aad6253.	12.6	1,077
4	Bacterial genome reduction using the progressive clustering of deletions via yeast sexual cycling. Genome Research, 2015, 25, 435-444.	5.5	27
5	Recombinase-mediated cassette exchange (RMCE) system for functional genomics studies in Mycoplasma mycoides. Biological Procedures Online, 2015, 17, 6.	2.9	8
6	TREC-IN: gene knock-in genetic tool for genomes cloned in yeast. BMC Genomics, 2014, 15, 1180.	2.8	34
7	Assembly of eukaryotic algal chromosomes in yeast. Journal of Biological Engineering, 2013, 7, 30.	4.7	57
8	Sequence analysis of a complete 1.66 Mb Prochlorococcus marinus MED4 genome cloned in yeast. Nucleic Acids Research, 2012, 40, 10375-10383.	14.5	56
9	Assembly of Large, High G+C Bacterial DNA Fragments in Yeast. ACS Synthetic Biology, 2012, 1, 267-273.	3.8	65
10	Isolation of circular yeast artificial chromosomes for synthetic biology and functional genomics studies. Nature Protocols, 2011, 6, 89-96.	12.0	41
11	Creation of a Bacterial Cell Controlled by a Chemically Synthesized Genome. Science, 2010, 329, 52-56.	12.6	2,177
12	Tandem repeat coupled with endonuclease cleavage (TREC): a seamless modification tool for genome engineering in yeast. Nucleic Acids Research, 2010, 38, 2570-2576.	14.5	52
13	Cloning whole bacterial genomes in yeast. Nucleic Acids Research, 2010, 38, 2558-2569.	14.5	156
14	Enzymatic assembly of DNA molecules up to several hundred kilobases. Nature Methods, 2009, 6, 343-345.	19.0	8,117
15	Creating Bacterial Strains from Genomes That Have Been Cloned and Engineered in Yeast. Science, 2009, 325, 1693-1696.	12.6	289
16	Multiple Mechanisms Contribute to Schizosaccharomyces pombe Origin Recognition Complex-DNA Interactions. Journal of Biological Chemistry, 2008, 283, 30216-30224.	3.4	31
17	DNA replication origins in the Schizosaccharomyces pombe genome. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 337-342.	7.1	117
18	Purification and Characterization of theSchizosaccharomyces pombe Origin Recognition Complex. Journal of Biological Chemistry, 2002, 277, 16920-16927.	3.4	44