

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