Justin D Smith

List of Publications by Year
in descending order

15 papers	**1,022** citations	623734 **14** h-index	996975 **15** g-index
16 all docs	**16** docs citations	**16** times ranked	**1571** citing authors

#	Article	IF	Citations
1	Functional Genetic Variants Revealed by Massively Parallel Precise Genome Editing. Cell, 2018, 175, 544-557.e16.	28.9	166
2	Quantitative CRISPR interference screens in yeast identify chemical-genetic interactions and new rules for guide RNA design. Genome Biology, 2016, 17, 45.	8.8	165
3	Multiplexed precision genome editing with trackable genomic barcodes in yeast. Nature Biotechnology, 2018, 36, 512-520.	17.5	138
4	Transcriptional reprogramming in yeast using dCas9 and combinatorial gRNA strategies. Microbial Cell Factories, 2017, 16, 46.	4.0	102
5	Distinct patterns of Cas9 mismatch tolerance *in vitro* and *in vivo*. Nucleic Acids Research, 2016, 44, 5365-5377.	14.5	62
6	Evolution of Programmable Zinc Finger-recombinases with Activity in Human Cells. Journal of Molecular Biology, 2007, 367, 802-813.	4.2	60
7	Whole-Genome Sequencing of the World's Oldest People. PLoS ONE, 2014, 9, e112430.	2.5	57
8	Target-dependent nickase activities of the CRISPR–Cas nucleases Cpf1 and Cas9. Nature Microbiology, 2019, 4, 888-897.	13.3	49
9	The chaperone-binding activity of the mitochondrial surface receptor Tom70 protects the cytosol against mitoprotein-induced stress. Cell Reports, 2021, 35, 108936.	6.4	47
10	A method for high-throughput production of sequence-verified DNA libraries and strain collections. Molecular Systems Biology, 2017, 13, 913.	7.2	41
11	Quantitative analysis of protein interaction network dynamics in yeast. Molecular Systems Biology, 2017, 13, 934.	7.2	41
12	Improved discovery of genetic interactions using CRISPRiSeq across multiple environments. Genome Research, 2019, 29, 668-681.	5.5	34
13	Dissecting the Genetic Basis of a Complex cis-Regulatory Adaptation. PLoS Genetics, 2015, 11, e1005751.	3.5	30
14	A Novel Test for Selection on cis-Regulatory Elements Reveals Positive and Negative Selection Acting on Mammalian Transcriptional Enhancers. Molecular Biology and Evolution, 2013, 30, 2509-2518.	8.9	25
15	CRISPR-Cas9 Gene Editing in Yeast: A Molecular Biology and Bioinformatics Laboratory Module for Undergraduate and High School Students. Journal of Microbiology and Biology Education, 2021, 22, .	1.0	2