

Timothy M Wannier

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

551
citations

1040056

9
h-index

1125743

13
g-index

18
all docs

18
docs citations

18
times ranked

971
citing authors

#	ARTICLE	IF	CITATIONS
1	Directed evolution of a far-red fluorescent rhodopsin. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13034-13039.	7.1	84
2	Improved bacterial recombineering by parallelized protein discovery. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13689-13698.	7.1	82
3	Computational design of co-assembling protein-DNA nanowires. Nature, 2015, 525, 230-233.	27.8	77
4	Adaptive evolution of genomically recoded <i>Escherichia coli</i> . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3090-3095.	7.1	73
5	High-throughput functional variant screens via in vivo production of single-stranded DNA. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	53
6	Recombineering and MAGE. Nature Reviews Methods Primers, 2021, 1, .	21.2	47
7	Characterizing the portability of phage-encoded homologous recombination proteins. Nature Chemical Biology, 2021, 17, 394-402.	8.0	36
8	Crystal structure of the Red ¹² C-terminal domain in complex with Exonuclease reveals an unexpected homology with Orf and an interaction with <i>Escherichia coli</i> single stranded DNA binding protein. Nucleic Acids Research, 2019, 47, 1950-1963.	14.5	25
9	Monomerization of far-red fluorescent proteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11294-E11301.	7.1	24
10	Anomalous COVID-19 tests hinder researchers. Science, 2021, 371, 244-245.	12.6	11
11	Evolthon: A community endeavor to evolve lab evolution. PLoS Biology, 2019, 17, e3000182.	5.6	10
12	Computational Design of the β -Sheet Surface of a Red Fluorescent Protein Allows Control of Protein Oligomerization. PLoS ONE, 2015, 10, e0130582.	2.5	9
13	The structure of a far-red fluorescent protein, AQ143, shows evidence in support of reported red-shifting chromophore interactions. Protein Science, 2014, 23, 1148-1153.	7.6	3