Wilson W Wong

List of Publications by Year
in descending order

33 papers	1,498 citations	567281 15 h-index	552781 26 g-index
44 all docs	44 docs citations	44 times ranked	2363 citing authors

#	Article	IF	Citations
1	Universal Chimeric Antigen Receptors for Multiplexed and Logical Control of T Cell Responses. Cell, 2018, 173, 1426-1438.e11.	28.9	454
2	Large-scale design of robust genetic circuits with multiple inputs and outputs for mammalian cells. Nature Biotechnology, 2017, 35, 453-462.	17.5	206
3	Coordinated regulation of acid resistance in Escherichia coli. BMC Systems Biology, 2017, 11, 1.	3.0	142
4	Bacterial virulence proteins as tools to rewire kinase pathways in yeast and immune cells. Nature, 2012, 488, 384-388.	27.8	118
5	Engineering advanced logic and distributed computing in human CAR immune cells. Nature Communications, 2021, 12, 792.	12.8	68
6	Synthetic biology in cell-based cancer immunotherapy. Trends in Biotechnology, 2015, 33, 449-461.	9.3	61
7	Microsecond fingerprint stimulated Raman spectroscopic imaging by ultrafast tuning and spatial-spectral learning. Nature Communications, 2021, 12, 3052.	12.8	58
8	Synthetic biology in the clinic: engineering vaccines, diagnostics, and therapeutics. Cell, 2021, 184, 881-898.	28.9	56
9	High-performance chemical- and light-inducible recombinases in mammalian cells and mice. Nature Communications, 2019, 10, 4845.	12.8	47
10	Light-Inducible Recombinases for Bacterial Optogenetics. ACS Synthetic Biology, 2020, 9, 227-235.	3.8	42
11	Engineering Axl specific CAR and SynNotch receptor for cancer therapy. Scientific Reports, 2018, 8, 3846.	3.3	39
12	Synthetic Biology: Immunotherapy by Design. Annual Review of Biomedical Engineering, 2018, 20, 95-118.	12.3	26
13	Rationally Designed MicroRNA-Based Genetic Classifiers Target Specific Neurons in the Brain. ACS Synthetic Biology, 2015, 4, 788-795.	3.8	24
14	Strength of T cell signaling regulates HIV-1 replication and establishment of latency. PLoS Pathogens, 2019, 15, e1007802.	4.7	20
15	Sensing with modular receptors. Nature Chemical Biology, 2017, 13, 131-132.	8.0	18
16	Inducible Gene Switches with Memory in Human T Cells for Cellular Immunotherapy. ACS Synthetic Biology, 2019, 8, 1744-1754.	3.8	16
17	Targeted Chromatinization and Repression of HIV-1 Provirus Transcription with Repurposed CRISPR/Cas9. Viruses, 2020, 12, 1154.	3.3	16
18	FLT3 OR CD33 NOT EMCN Logic Gated CAR-NK Cell Therapy (SENTI-202) for Precise Targeting of AML. Blood, 2021, 138, 2799-2799.	1.4	12

#	ARTICLE	IF	CITATIONS
19	Scalable recombinase-based gene expression cascades. Nature Communications, 2021, 12, 2711.	12.8	11
20	Mechanistic Modeling of a Rewritable Recombinase Addressable Data Module. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 1161-1170.	4.0	10
21	Engineering a Dual Small Molecule Gated ZAP70 Switch in T Cells. ACS Synthetic Biology, 2018, 7, 969-977.	3.8	10
22	Quantitative characterization of recombinase-based digitizer circuits enables predictable amplification of biological signals. Communications Biology, 2021, 4, 875.	4.4	9
23	Mechanistic modelling of a recombinase–based two–input temporal logic gate. Engineering Biology, 2017, 1, 40-50.	1.8	4
24	Engineering digitizer circuits for chemical and genetic screens in human cells. Nature Communications, 2021, 12, 6150.	12.8	4
25	A mechanistic model of the BLADE platform predicts performance characteristics of 256 different synthetic DNA recombination circuits. PLoS Computational Biology, 2020, 16, e1007849.	3.2	3
26	The Most Logical Approach to Improve CAR T Cell Therapy. Cell Systems, 2020, 11, 421-423.	6.2	1
27	Mechanistic modelling of tyrosine recombination reveals key parameters determining the performance of a CAR T cell switching circuit. Engineering Biology, 2020, 4, 10-19.	1.8	1
28	Title is missing!. , 2020, 16, e1007849.		0
29	Title is missing!. , 2020, 16, e1007849.		0
30	Title is missing!. , 2020, 16, e1007849.		0
31	Title is missing!. , 2020, 16, e1007849.		0
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33	Title is missing!. , 2020, 16, e1007849.		0