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	Engineering advanced logic and distributed computing in human CAR immune cells. Nature Communications, 2021, 12, 792.	12.8	68
2	Synthetic biology in the clinic: engineering vaccines, diagnostics, and therapeutics. Cell, 2021, 184, 881-898.	28.9	56
3	Scalable recombinase-based gene expression cascades. Nature Communications, 2021, 12, 2711.	12.8	11
4	Microsecond fingerprint stimulated Raman spectroscopic imaging by ultrafast tuning and spatial-spectral learning. Nature Communications, 2021, 12, 3052.	12.8	58
5	Quantitative characterization of recombinase-based digitizer circuits enables predictable amplification of biological signals. Communications Biology, 2021, 4, 875.	4.4	9
6	Engineering digitizer circuits for chemical and genetic screens in human cells. Nature Communications, 2021, 12, 6150.	12.8	4
7	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
8	The Most Logical Approach to Improve CAR T Cell Therapy. Cell Systems, 2020, 11, 421-423.	6.2	1
9	Targeted Chromatinization and Repression of HIV-1 Provirus Transcription with Repurposed CRISPR/Cas9. Viruses, 2020, 12, 1154.	3.3	16
10	Light-Inducible Recombinases for Bacterial Optogenetics. ACS Synthetic Biology, 2020, 9, 227-235.	3.8	42
11	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
12	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
13	Title is missing!. , 2020, 16, e1007849.		0
14	Title is missing!. , 2020, 16, e1007849.		0
15	Title is missing!. , 2020, 16, e1007849.		0
16	Title is missing!. , 2020, 16, e1007849.		0
17	Title is missing!. , 2020, 16, e1007849.		0
18	Title is missing!. , 2020, 16, e1007849.		0

#	Article	IF	Citations
19	Inducible Gene Switches with Memory in Human T Cells for Cellular Immunotherapy. ACS Synthetic Biology, 2019, 8, 1744-1754.	3.8	16
20	High-performance chemical- and light-inducible recombinases in mammalian cells and mice. Nature Communications, 2019, 10, 4845.	12.8	47
21	Strength of T cell signaling regulates HIV-1 replication and establishment of latency. PLoS Pathogens, 2019, 15, e1007802.	4.7	20
22	Engineering Axl specific CAR and SynNotch receptor for cancer therapy. Scientific Reports, 2018, 8, 3846.	3.3	39
23	Synthetic Biology: Immunotherapy by Design. Annual Review of Biomedical Engineering, 2018, 20, 95-118.	12.3	26
24	Universal Chimeric Antigen Receptors for Multiplexed and Logical Control of T Cell Responses. Cell, 2018, 173, 1426-1438.e11.	28.9	454
25	Engineering a Dual Small Molecule Gated ZAP70 Switch in T Cells. ACS Synthetic Biology, 2018, 7, 969-977.	3.8	10
26	Sensing with modular receptors. Nature Chemical Biology, 2017, 13, 131-132.	8.0	18
27	Large-scale design of robust genetic circuits with multiple inputs and outputs for mammalian cells. Nature Biotechnology, 2017, 35, 453-462.	17.5	206
28	Coordinated regulation of acid resistance in Escherichia coli. BMC Systems Biology, 2017, 11, 1.	3.0	142
29	Mechanistic modelling of a recombinaseâ€based twoâ€input temporal logic gate. Engineering Biology, 2017, 1, 40-50.	1.8	4
30	Mechanistic Modeling of a Rewritable Recombinase Addressable Data Module. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 1161-1170.	4.0	10
31	Synthetic biology in cell-based cancer immunotherapy. Trends in Biotechnology, 2015, 33, 449-461.	9.3	61
32	Rationally Designed MicroRNA-Based Genetic Classifiers Target Specific Neurons in the Brain. ACS Synthetic Biology, 2015, 4, 788-795.	3.8	24
33	Bacterial virulence proteins as tools to rewire kinase pathways in yeast and immune cells. Nature, 2012, 488, 384-388.	27.8	118