Feng Zhang

List of Publications by Year
in descending order

31 papers	36,474 citations	218381 26 h-index	433756 31 g-index
41 all docs	41 docs citations	41 times ranked	46477 citing authors

#	Article	IF	Citations
1	Epistasis at the SARS-CoV-2 Receptor-Binding Domain Interface and the Propitiously Boring Implications for Vaccine Escape. MBio, 2022, 13, e0013522.	1.8	35
2	Human pathogenic RNA viruses establish noncompeting lineages by occupying independent niches. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	9
3	Genome-wide CRISPR screens reveal synthetic lethal interaction between CREBBP and EP300 in diffuse large B-cell lymphoma. Cell Death and Disease, 2021, 12, 419.	2.7	21
4	Ongoing global and regional adaptive evolution of SARS-CoV-2. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	196
5	Evolutionary classification of CRISPRâ€“Cas systems: a burst of class 2 and derived variants. Nature Reviews Microbiology, 2020, 18, 67-83.	13.6	1,427
6	Risk of COVID-19 among front-line health-care workers and the general community: a prospective cohort study. Lancet Public Health, The, 2020, 5, e475-e483.	4.7	1,595
7	Population-scale longitudinal mapping of COVID-19 symptoms, behaviour and testing. Nature Human Behaviour, 2020, 4, 972-982.	6.2	93
8	Diverse enzymatic activities mediate antiviral immunity in prokaryotes. Science, 2020, 369, 1077-1084.	6.0	302
9	Building an international consortium for tracking coronavirus health status. Nature Medicine, 2020, 26, 1161-1165.	15.2	23
10	Genomic determinants of pathogenicity in SARS-CoV-2 and other human coronaviruses. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15193-15199.	3.3	196
11	Genome-scale CRISPR-Cas9 knockout and transcriptional activation screening. Nature Protocols, 2017, 12, 828-863.	5.5	858
12	Diverse evolutionary roots and mechanistic variations of the CRISPR-Cas systems. Science, 2016, 353, aad5147.	6.0	523
13	C2c2 is a single-component programmable RNA-guided RNA-targeting CRISPR effector. Science, 2016, 353, aaf5573.	6.0	1,647
14	In vivo genome editing using Staphylococcus aureus Cas9. Nature, 2015, 520, 186-191.	13.7	2,237
15	High-throughput functional genomics using CRISPRâ€“Cas9. Nature Reviews Genetics, 2015, 16, 299-311.	7.7	998
16	Discovery and Functional Characterization of Diverse Class 2 CRISPR-Cas Systems. Molecular Cell, 2015, 60, 385-397.	4.5	971
17	MAGeCK enables robust identification of essential genes from genome-scale CRISPR/Cas9 knockout screens. Genome Biology, 2014, 15, 554.	3.8	1,614
18	Optical control of mammalian endogenous transcription and epigenetic states. Nature, 2013, 500, 472-476.	13.7	733

#	ARTICLE	IF	CITATIONS
19	Multiplex Genome Engineering Using CRISPR/Cas Systems. Science, 2013, 339, 819-823.	6.0	12,725
20	1PT128 Crystal Structure of a light-gated cation channel, channeirhodopsin(The 50th Annual Meeting) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	0
21	Molecular Tools and Approaches for Optogenetics. Biological Psychiatry, 2012, 71, 1033-1038.	0.7	55
22	The Microbial Opsin Family of Optogenetic Tools. Cell, 2011, 147, 1446-1457.	13.5	471
23	Lee et al. reply. Nature, 2010, 468, E4-E5.	13.7	3
24	Optogenetic interrogation of neural circuits: technology for probing mammalian brain structures. Nature Protocols, 2010, 5, 439-456.	5.5	895
25	Molecular and Cellular Approaches for Diversifying and Extending Optogenetics. Cell, 2010, 141, 154-165.	13.5	919
26	Red-shifted optogenetic excitation: a tool for fast neural control derived from Volvox carteri. Nature Neuroscience, 2008, 11, 631-633.	7.1	490
27	Circuit-breakers: optical technologies for probing neural signals and systems. Nature Reviews Neuroscience, 2007, 8, 577-581.	4.9	586
28	Multimodal fast optical interrogation of neural circuitry. Nature, 2007, 446, 633-639.	13.7	1,602
29	Targeting and Readout Strategies for Fast Optical Neural ControlIn VitroandIn Vivo. Journal of Neuroscience, 2007, 27, 14231-14238.	1.7	450
30	Channelrhodopsin-2 and optical control of excitable cells. Nature Methods, 2006, 3, 785-792.	9.0	641
31	Millisecond-timescale, genetically targeted optical control of neural activity. Nature Neuroscience, 2005, 8, 1263-1268.	7.1	4,110