Alejandro Chavez

List of Publications by Year
in descending order

25 papers	4,265 citations	361413 20 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	6366 citing authors

#	Article	IF	Citations
1	Highly efficient Cas9-mediated transcriptional programming. Nature Methods, 2015, 12, 326-328.	19.0	1,245
2	Comparison of Cas9 activators in multiple species. Nature Methods, 2016, 13, 563-567.	19.0	438
3	Programmable transcriptional repression in mycobacteria using an orthogonal CRISPR interference platform. Nature Microbiology, 2017, 2, 16274.	13.3	368
4	An enhanced CRISPR repressor for targeted mammalian gene regulation. Nature Methods, 2018, 15, 611-616.	19.0	361
5	Safeguarding CRISPR-Cas9 gene drives in yeast. Nature Biotechnology, 2015, 33, 1250-1255.	17.5	291
6	Cas9 gRNA engineering for genome editing, activation and repression. Nature Methods, 2015, 12, 1051-1054.	19.0	272
7	An Integrated Genome-wide CRISPRa Approach to Functionalize lncRNAs in Drug Resistance. Cell, 2018, 173, 649-664.e20.	28.9	238
8	sgRNA Scorer 2.0: A Species-Independent Model To Predict CRISPR/Cas9 Activity. ACS Synthetic Biology, 2017, 6, 902-904.	3.8	189
9	Daisy-chain gene drives for the alteration of local populations. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8275-8282.	7.1	154
10	A CRISPRâ€“Cas9-based gene drive platform for genetic interaction analysis in Candida albicans. Nature Microbiology, 2018, 3, 73-82.	13.3	135
11	Enhanced Bacterial Immunity and Mammalian Genome Editing via RNA-Polymerase-Mediated Dislodging of Cas9 from Double-Strand DNA Breaks. Molecular Cell, 2018, 71, 42-55.e8.	9.7	112
12	CRISPR-based genomic tools for the manipulation of genetically intractable microorganisms. Nature Reviews Microbiology, 2018, 16, 333-339.	28.6	88
13	Lead compounds for the development of SARS-CoV-2 3CL protease inhibitors. Nature Communications, 2021, 12, 2016.	12.8	65
14	A CRISPR Interference Platform for Efficient Genetic Repression in Candida albicans. MSphere, 2019, 4, .	2.9	49
15	Development of optimized drug-like small molecule inhibitors of the SARS-CoV-2 3CL protease for treatment of COVID-19. Nature Communications, 2022, 13, 1891.	12.8	45
16	Reduced apoptosis in Chinese hamster ovary cells via optimized CRISPR interference. Biotechnology and Bioengineering, 2019, 116, 1813-1819.	3.3	39
17	An antibody class with a common CDRH3 motif broadly neutralizes sarbecoviruses. Science Translational Medicine, 2022, 14, eabn6859.	12.4	31
18	Precise Cas9 targeting enables genomic mutation prevention. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3669-3673.	7.1	28

#	Article	IF	Citations
19	Synthetic immunomodulation with a CRISPR super-repressor in vivo. Nature Cell Biology, 2020, 22, 1143-1154.	10.3	27
20	Inhibitors of Coronavirus 3CL Proteases Protect Cells from Protease-Mediated Cytotoxicity. Journal of Virology, 2021, 95, e0237420.	3.4	27
21	Design, execution, and analysis of CRISPRâ€“Cas9-based deletions and genetic interaction networks in the fungal pathogen Candida albicans. Nature Protocols, 2019, 14, 955-975.	12.0	25
22	Enabling multiplexed testing of pooled donor cells through whole-genome sequencing. Genome Medicine, 2018, 10, 31.	8.2	10
23	CRISPR Guide RNA Cloning for Mammalian Systems. Journal of Visualized Experiments, 2018, , .	0.3	6
24	Quantifying protein abundance on single cells using split-pool sequencing on DNA-barcoded antibodies for diagnostic applications. Scientific Reports, 2022, 12, 884.	3.3	3
25	Clonal Hematopoiesis with Somatic Mutations Is a Common, Age-Related Condition Associated with Adverse Outcomes. Blood, 2014, 124, 840-840.	1.4	1