

Max A Horlbeck

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

7,270
citations

257450

24
h-index

501196

28
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39
all docs

39
docs citations

39
times ranked

11202
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-Scale CRISPR-Mediated Control of Gene Repression and Activation. <i>Cell</i> , 2014, 159, 647-661.	28.9	2,176
2	A Multiplexed Single-Cell CRISPR Screening Platform Enables Systematic Dissection of the Unfolded Protein Response. <i>Cell</i> , 2016, 167, 1867-1882.e21.	28.9	819
3	Compact and highly active next-generation libraries for CRISPR-mediated gene repression and activation. <i>ELife</i> , 2016, 5, .	6.0	609
4	CRISPRi-based genome-scale identification of functional long noncoding RNA loci in human cells. <i>Science</i> , 2017, 355, .	12.6	566
5	CRISPR Interference Efficiently Induces Specific and Reversible Gene Silencing in Human iPSCs. <i>Cell Stem Cell</i> , 2016, 18, 541-553.	11.1	418
6	Promoter of lncRNA Gene PVT1 Is a Tumor-Suppressor DNA Boundary Element. <i>Cell</i> , 2018, 173, 1398-1412.e22.	28.9	362
7	Nucleosomes impede Cas9 access to DNA in vivo and in vitro. <i>ELife</i> , 2016, 5, .	6.0	349
8	A Systematic Mammalian Genetic Interaction Map Reveals Pathways Underlying Ricin Susceptibility. <i>Cell</i> , 2013, 152, 909-922.	28.9	332
9	Mapping the Genetic Landscape of Human Cells. <i>Cell</i> , 2018, 174, 953-967.e22.	28.9	226
10	Combined CRISPRi/a-Based Chemical Genetic Screens Reveal that Rigosertib Is a Microtubule-Destabilizing Agent. <i>Molecular Cell</i> , 2017, 68, 210-223.e6.	9.7	197
11	Parallel shRNA and CRISPR-Cas9 screens enable antiviral drug target identification. <i>Nature Chemical Biology</i> , 2016, 12, 361-366.	8.0	157
12	Exploring genetic interaction manifolds constructed from rich single-cell phenotypes. <i>Science</i> , 2019, 365, 786-793.	12.6	155
13	ER Cargo Properties Specify a Requirement for COPII Coat Rigidity Mediated by Sec13p. <i>Science</i> , 2012, 335, 1359-1362.	12.6	124
14	Titration of gene expression using libraries of systematically attenuated CRISPR guide RNAs. <i>Nature Biotechnology</i> , 2020, 38, 355-364.	17.5	108
15	Versatile in vivo regulation of tumor phenotypes by dCas9-mediated transcriptional perturbation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3892-900.	7.1	87
16	Next-generation libraries for robust RNA interference-based genome-wide screens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3384-91.	7.1	83
17	CRISPRi-based radiation modifier screen identifies long non-coding RNA therapeutic targets in glioma. <i>Genome Biology</i> , 2020, 21, 83.	8.8	76
18	Targeting RAS-driven human cancer cells with antibodies to upregulated and essential cell-surface proteins. <i>ELife</i> , 2018, 7, .	6.0	72

#	ARTICLE	IF	CITATIONS
19	Combinatorial genetics in liver repopulation and carcinogenesis with a in vivo CRISPR activation platform. Hepatology, 2018, 68, 663-676.	7.3	63
20	High-content imaging-based pooled CRISPR screens in mammalian cells. Journal of Cell Biology, 2021, 220, .	5.2	53
21	A high-throughput screen of real-time ATP levels in individual cells reveals mechanisms of energy failure. PLoS Biology, 2018, 16, e2004624.	5.6	47
22	Identification of a transporter complex responsible for the cytosolic entry of nitrogen-containing bisphosphonates. ELife, 2018, 7, .	6.0	42
23	Cellular response to small molecules that selectively stall protein synthesis by the ribosome. PLoS Genetics, 2019, 15, e1008057.	3.5	31
24	Fitness effects of CRISPR/Cas9-targeting of long noncoding RNA genes. Nature Biotechnology, 2020, 38, 573-576.	17.5	27
25	New factors for protein transport identified by a genome-wide CRISPRi screen in mammalian cells. Journal of Cell Biology, 2019, 218, 3861-3879.	5.2	25
26	Pharmaceutical-Grade Rigosertib Is a Microtubule-Destabilizing Agent. Molecular Cell, 2020, 79, 191-198.e3.	9.7	22
27	Genome-wide CRISPRi screening identifies OCIAD1 as a prohibitin client and regulatory determinant of mitochondrial Complex III assembly in human cells. ELife, 2021, 10, .	6.0	20
28	Genome-Scale Perturbation of Long Noncoding RNA Expression Using CRISPR Interference. Methods in Molecular Biology, 2021, 2254, 323-338.	0.9	5