Jiazhi Hu

List of Publications by Year
in descending order

29 papers	2,119 citations	430874 18 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	3124 citing authors

#	Article	IF	Citations
1	Genome-wide detection of DNA double-stranded breaks induced by engineered nucleases. Nature Biotechnology, 2015, 33, 179-186.	17.5	590
2	Convergent Transcription at Intragenic Super-Enhancers Targets AID-Initiated Genomic Instability. Cell, 2014, 159, 1538-1548.	28.9	221
3	Detecting DNA double-stranded breaks in mammalian genomes by linear amplificationâ€“mediated high-throughput genome-wide translocation sequencing. Nature Protocols, 2016, 11, 853-871.	12.0	213
4	The Intra-S Phase Checkpoint Targets Dna2 to Prevent Stalled Replication Forks from Reversing. Cell, 2012, 149, 1221-1232.	28.9	149
5	CRISPR/Cas9-mediated targeted chromosome elimination. Genome Biology, 2017, 18, 224.	8.8	142
6	Chromosomal Loop Domains Direct the Recombination of Antigen Receptor Genes. Cell, 2015, 163, 947-959.	28.9	140
7	Orientation-specific joining of AID-initiated DNA breaks promotes antibody class switching. Nature, 2015, 525, 134-139.	27.8	93
8	Highly sensitive and unbiased approach for elucidating antibody repertoires. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7846-7851.	7.1	77
9	Optimizing genome editing strategy by primer-extension-mediated sequencing. Cell Discovery, 2019, 5, 18.	6.7	61
10	Global detection of DNA repair outcomes induced by CRISPRâ€“Cas9. Nucleic Acids Research, 2021, 49, 8732-8742.	14.5	52
11	ERCC6L2 promotes DNA orientation-specific recombination in mammalian cells. Cell Research, 2020, 30, 732-744.	12.0	41
12	Direct Visualization of RNA-DNA Primer Removal from Okazaki Fragments Provides Support for Flap Cleavage and Exonucleolytic Pathways in Eukaryotic Cells. Journal of Biological Chemistry, 2017, 292, 4777-4788.	3.4	40
13	Cas9 exo-endonuclease eliminates chromosomal translocations during genome editing. Nature Communications, 2022, 13, 1204.	12.8	40
14	Orientation-specific RAG activity in chromosomal loop domains contributes to Tcrd V(D)J recombination during T cell development. Journal of Experimental Medicine, 2016, 213, 1921-1936.	8.5	38
15	Developmental propagation of V(D)J recombination-associated DNA breaks and translocations in mature B cells via dicentric chromosomes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10269-10274.	7.1	32
16	In-depth assessment of the PAM compatibility and editing activities of Cas9 variants. Nucleic Acids Research, 2021, 49, 8785-8795.	14.5	32
17	Improving the efficiency of CRISPR-Cas12a-based genome editing with site-specific covalent Cas12a-crRNA conjugates. Molecular Cell, 2021, 81, 4747-4756.e7.	9.7	26
18	The Deubiquitinase USP38 Promotes NHEJ Repair through Regulation of HDAC1 Activity and Regulates Cancer Cell Response to Genotoxic Insults. Cancer Research, 2020, 80, 719-731.	0.9	24

#	Article	IF	Citations
19	Transcription shapes DNA replication initiation to preserve genome integrity. Genome Biology, 2021, 22, 176.	8.8	20
20	Mechanisms That Can Promote Peripheral B-cell Lymphoma in ATM-Deficient Mice. Cancer Immunology Research, 2014, 2, 857-866.	3.4	17
21	PEM-seq comprehensively quantifies DNA repair outcomes during gene-editing and DSB repair. STAR Protocols, 2022, 3, 101088.	1.2	17
22	RAG2 abolishes RAG1 aggregation to facilitate V(D)J recombination. Cell Reports, 2021, 37, 109824.	6.4	14
23	Sap1 is a replication-initiation factor essential for the assembly of pre-replicative complex in the fission yeast Schizosaccharomyces pombe. Journal of Biological Chemistry, 2017, 292, 6056-6075.	3.4	9
24	REV7 is required for processing AID initiated DNA lesions in activated B cells. Nature Communications, 2020, 11, 2812.	12.8	9
25	FACT interacts with Set3 HDAC and fine-tunesGAL1transcription in response to environmental stimulation. Nucleic Acids Research, 2021, 49, 5502-5519.	14.5	8
26	Improved HTGTS for CRISPR/Cas9 Off-target Detection. Bio-protocol, 2019, 9, e3229.	0.4	6
27	Câ€terminal deletionâ€induced condensation sequesters AID from IgH targets in immunodeficiency. EMBO Journal, 2022, 41, e109324.	7.8	5
28	Structural insight into the assembly and conformational activation of human origin recognition complex. Cell Discovery, 2020, 6, 88.	6.7	3
29	Mechanisms of Recurrent Chromosomal Translocations. , 2015, , 27-51.		0