

Yu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,832
citations

361413

20
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

3640
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial Organization of the Mouse Genome and Its Role in Recurrent Chromosomal Translocations. <i>Cell</i> , 2012, 148, 908-921.	28.9	489
2	Genome-wide Translocation Sequencing Reveals Mechanisms of Chromosome Breaks and Rearrangements in B Cells. <i>Cell</i> , 2011, 147, 107-119.	28.9	411
3	Mechanisms of Programmed DNA Lesions and Genomic Instability in the Immune System. <i>Cell</i> , 2013, 152, 417-429.	28.9	407
4	Migrating bubble during break-induced replication drives conservative DNA synthesis. <i>Nature</i> , 2013, 502, 389-392.	27.8	277
5	ATM damage response and XLF repair factor are functionally redundant in joining DNA breaks. <i>Nature</i> , 2011, 469, 250-254.	27.8	184
6	Chromosomal Loop Domains Direct the Recombination of Antigen Receptor Genes. <i>Cell</i> , 2015, 163, 947-959.	28.9	140
7	The fundamental role of chromatin loop extrusion in physiological V(D)J recombination. <i>Nature</i> , 2019, 573, 600-604.	27.8	126
8	Fundamental roles of chromatin loop extrusion in antibody class switching. <i>Nature</i> , 2019, 575, 385-389.	27.8	105
9	CTCF-Binding Elements Mediate Accessibility of RAG Substrates During Chromatin Scanning. <i>Cell</i> , 2018, 174, 102-116.e14.	28.9	100
10	Orientation-specific joining of AID-initiated DNA breaks promotes antibody class switching. <i>Nature</i> , 2015, 525, 134-139.	27.8	93
11	Highly sensitive and unbiased approach for elucidating antibody repertoires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7846-7851.	7.1	77
12	CTCF-binding elements 1 and 2 in the <i>Igh</i> intergenic control region cooperatively regulate V(D)J recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1815-1820.	7.1	61
13	Genome-wide Screen Identifies Pathways that Govern GAA/TTC Repeat Fragility and Expansions in Dividing and Nondividing Yeast Cells. <i>Molecular Cell</i> , 2012, 48, 254-265.	9.7	58
14	RAG Chromatin Scanning During V(D)J Recombination and Chromatin Loop Extrusion are Related Processes. <i>Advances in Immunology</i> , 2018, 139, 93-135.	2.2	50
15	The role of chromatin loop extrusion in antibody diversification. <i>Nature Reviews Immunology</i> , 2022, 22, 550-566.	22.7	50
16	A Reversible Histone H3 Acetylation Cooperates with Mismatch Repair and Replicative Polymerases in Maintaining Genome Stability. <i>PLoS Genetics</i> , 2013, 9, e1003899.	3.5	45
17	Localized epigenetic changes induced by DH recombination restricts recombinase to DJH junctions. <i>Nature Immunology</i> , 2012, 13, 1205-1212.	14.5	42
18	Genome-Wide Screen Reveals Replication Pathway for Quasi-Palindrome Fragility Dependent on Homologous Recombination. <i>PLoS Genetics</i> , 2013, 9, e1003979.	3.5	31

#	ARTICLE	IF	CITATIONS
19	Fragile DNA Motifs Trigger Mutagenesis at Distant Chromosomal Loci in <i>Saccharomyces cerevisiae</i> . PLoS Genetics, 2013, 9, e1003551.	3.5	28