

# Cheng-Zhong Zhang

## List of Publications by Year in descending order

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30  
papers

7,953  
citations

304701

22  
h-index

434170

31  
g-index

38  
all docs

38  
docs citations

38  
times ranked

15229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer Genomic Rearrangements and Copy Number Alterations from Errors in Cell Division. Annual Review of Cancer Biology, 2022, 6, 245-268.	4.5	10
2	No pains, no gains: how chromosome fragmentation promotes gene amplification. Molecular Cell, 2021, 81, 901-904.	9.7	1
3	Chromothripsis as an on-target consequence of CRISPR-Cas9 genome editing. Nature Genetics, 2021, 53, 895-905.	21.4	305
4	Determination of complete chromosomal haplotypes by bulk DNA sequencing. Genome Biology, 2021, 22, 139.	8.8	16
5	Whole chromosome loss and genomic instability in mouse embryos after CRISPR-Cas9 genome editing. Nature Communications, 2021, 12, 5855.	12.8	72
6	Decoding complex patterns of oncogene amplification. Nature Genetics, 2021, 53, 1626-1627.	21.4	2
7	Analyses of non-coding somatic drivers in 2,658 cancer whole genomes. Nature, 2020, 578, 102-111.	27.8	424
8	Comprehensive analysis of chromothripsis in 2,658 human cancers using whole-genome sequencing. Nature Genetics, 2020, 52, 331-341.	21.4	431
9	Mechanisms generating cancer genome complexity from a single cell division error. Science, 2020, 368, .	12.6	298
10	Breaching Self-Tolerance to Alu Duplex RNA Underlies MDA5-Mediated Inflammation. Cell, 2018, 172, 797-810.e13.	28.9	306
11	SvABA: genome-wide detection of structural variants and indels by local assembly. Genome Research, 2018, 28, 581-591.	5.5	288
12	Using whole genome scores to compare three clinical phenotyping methods in complex diseases. Scientific Reports, 2018, 8, 11360.	3.3	9
13	Structural Alterations Driving Castration-Resistant Prostate Cancer Revealed by Linked-Read Genome Sequencing. Cell, 2018, 174, 433-447.e19.	28.9	258
14	Integrated single-cell genetic and transcriptional analysis suggests novel drivers of chronic lymphocytic leukemia. Genome Research, 2017, 27, 1300-1311.	5.5	67
15	Genetic interrogation of circulating multiple myeloma cells at single-cell resolution. Science Translational Medicine, 2016, 8, 363ra147.	12.4	126
16	Genomic Copy Number Dictates a Gene-Independent Cell Response to CRISPR/Cas9 Targeting. Cancer Discovery, 2016, 6, 914-929.	9.4	485
17	Chromothripsis from DNA damage in micronuclei. Nature, 2015, 522, 179-184.	27.8	924
18	From Mutational Mechanisms in Single Cells to Mutational Patterns in Cancer Genomes. Cold Spring Harbor Symposia on Quantitative Biology, 2015, 80, 117-137.	1.1	11

#	ARTICLE	IF	CITATIONS
19	Calibrating genomic and allelic coverage bias in single-cell sequencing. <i>Nature Communications</i> , 2015, 6, 6822.	12.8	74
20	Exome sequencing of lymphomas from three dog breeds reveals somatic mutation patterns reflecting genetic background. <i>Genome Research</i> , 2015, 25, 1634-1645.	5.5	96
21	Chromothripsis: A New Mechanism for Rapid Karyotype Evolution. <i>Annual Review of Genetics</i> , 2015, 49, 183-211.	7.6	155
22	<i>EGFR</i> Variant Heterogeneity in Glioblastoma Resolved through Single-Nucleus Sequencing. <i>Cancer Discovery</i> , 2014, 4, 956-971.	9.4	251
23	Whole-exome sequencing of circulating tumor cells provides a window into metastatic prostate cancer. <i>Nature Biotechnology</i> , 2014, 32, 479-484.	17.5	495
24	Pan-cancer patterns of somatic copy number alteration. <i>Nature Genetics</i> , 2013, 45, 1134-1140.	21.4	1,616
25	Chromothripsis and beyond: rapid genome evolution from complex chromosomal rearrangements. <i>Genes and Development</i> , 2013, 27, 2513-2530.	5.9	220
26	A mechanically stabilized receptor–ligand flex-bond important in the vasculature. <i>Nature</i> , 2010, 466, 992-995.	27.8	251
27	Structural specializations of A2, a force-sensing domain in the ultralarge vascular protein von Willebrand factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9226-9231.	7.1	167
28	Mechanoenzymatic Cleavage of the Ultralarge Vascular Protein von Willebrand Factor. <i>Science</i> , 2009, 324, 1330-1334.	12.6	484
29	Polymer-Tethered Ligand-Receptor Interactions between Surfaces II. <i>Langmuir</i> , 2007, 23, 13024-13039.	3.5	18
30	Polymer-tethered ligand-receptor interactions between surfaces. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 2621-2637.	2.1	12