Xiao Dong

List of Publications by Year
in descending order

41 papers	2,206 citations	430754 18 h-index	289141 40 g-index
41 all docs	41 docs citations	41 times ranked	4060 citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for a limit to human lifespan. Nature, 2016, 538, 257-259.	13.7	341
2	Differences between germline and somatic mutation rates in humans and mice. Nature Communications, 2017, 8, 15183.	5.8	309
3	Accurate identification of single-nucleotide variants in whole-genome-amplified single cells. Nature Methods, 2017, 14, 491-493.	9.0	191
4	Analysis of individual cells identifies cell‐to‐cell variability following induction of cellular senescence. Aging Cell, 2017, 16, 1043-1050.	3.0	182
5	Single-cell whole-genome sequencing reveals the functional landscape of somatic mutations in B lymphocytes across the human lifespan. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9014-9019.	3.3	174
6	Pathogenic Mechanisms of Somatic Mutation and Genome Mosaicism in Aging. Cell, 2020, 182, 12-23.	13.5	128
7	Drosophila Histone Demethylase KDM5 Regulates Social Behavior through Immune Control and Gut Microbiota Maintenance. Cell Host and Microbe, 2019, 25, 537-552.e8.	5.1	125
8	Single-cell genome-wide bisulfite sequencing uncovers extensive heterogeneity in the mouse liver methylome. Genome Biology, 2016, 17, 150.	3.8	104
9	Nanobowl-Supported Liposomes Improve Drug Loading and Delivery. Nano Letters, 2020, 20, 4177-4187.	4.5	81
10	Genome-wide, Single-Cell DNA Methylomics Reveals Increased Non-CpG Methylation during Human Oocyte Maturation. Stem Cell Reports, 2017, 9, 397-407.	2.3	77
11	Genetic evidence for common pathways in human age‐related diseases. Aging Cell, 2015, 14, 809-817.	3.0	70
12	FOXO1-regulated lncRNA LINC01197 inhibits pancreatic adenocarcinoma cell proliferation by restraining Wnt/β-catenin signaling. Journal of Experimental and Clinical Cancer Research, 2019, 38, 179.	3.5	50
13	Single-cell analysis of somatic mutations in human bronchial epithelial cells in relation to aging and smoking. Nature Genetics, 2022, 54, 492-498.	9.4	47
14	Genome instability: a conserved mechanism of ageing?. Essays in Biochemistry, 2017, 61, 305-315.	2.1	37
15	Maintenance of genome sequence integrity in long- and short-lived rodent species. Science Advances, 2021, 7, eabj3284.	4.7	29
16	DDX5 promotes hepatocellular carcinoma tumorigenesis via Akt signaling pathway. Biochemical and Biophysical Research Communications, 2018, 503, 2885-2891.	1.0	26
17	A Genome-Wide Study of Allele-Specific Expression in Colorectal Cancer. Frontiers in Genetics, 2018, 9, 570.	1.1	24
18	Single-cell analysis reveals the intra-tumor heterogeneity and identifies MLXIPL as a biomarker in the cellular trajectory of hepatocellular carcinoma. Cell Death Discovery, 2021, 7, 14.	2.0	23

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19	SomaMutDB: a database of somatic mutations in normal human tissues. Nucleic Acids Research, 2022, 50, D1100-D1108.	6.5	21
20	Development of a Method to Implement Whole-Genome Bisulfite Sequencing of cfDNA from Cancer Patients and a Mouse Tumor Model. Frontiers in Genetics, 2018, 9, 6.	1.1	20
21	USP39 promotes tumorigenesis by stabilizing and deubiquitinating SP1 protein in hepatocellular carcinoma. Cellular Signalling, 2021, 85, 110068.	1.7	18
22	Bleomycin-induced genome structural variations in normal, non-tumor cells. Scientific Reports, 2018, 8, 16523.	1.6	14
23	MicroRNAâ€'9â€'5p downregulates Klf4 and influences the progression of hepatocellular carcinoma via the AKT signaling pathway. International Journal of Molecular Medicine, 2019, 43, 1417-1429.	1.8	13
24	cisASE: a likelihood-based method for detecting putative <i>cis</i>-regulated allele-specific expression in RNA sequencing data. Bioinformatics, 2016, 32, 3291-3297.	1.8	12
25	Ageâ€'related telomere attrition causes aberrant gene expression in subâ€'telomeric regions. Aging Cell, 2021, 20, e13357.	3.0	11
26	Single-molecule, quantitative detection of low-abundance somatic mutations by high-throughput sequencing. Science Advances, 2022, 8, eabm3259.	4.7	11
27	Characterization of an orthotopic gastric cancer mouse model with lymph node and organ metastases using bioluminescence imaging. Oncology Letters, 2018, 16, 5179-5185.	0.8	8
28	Tumor suppressor DCAF15 inhibits epithelial-mesenchymal transition by targeting ZEB1 for proteasomal degradation in hepatocellular carcinoma. Aging, 2021, 13, 10603-10618.	1.4	8
29	Global, integrated analysis of methylomes and transcriptomes from laser capture microdissected bronchial and alveolar cells in human lung. Epigenetics, 2018, 13, 264-274.	1.3	7
30	SCCNV: A Software Tool for Identifying Copy Number Variation From Single-Cell Whole-Genome Sequencing. Frontiers in Genetics, 2020, 11, 505441.	1.1	7
31	A high-fidelity method for genomic sequencing of single somatic cells reveals a very high mutational burden. Experimental Biology and Medicine, 2017, 242, 1318-1324.	1.1	6
32	DUB3/KLF4 combats tumor growth and chemoresistance in hepatocellular carcinoma. Cell Death Discovery, 2022, 8, 166.	2.0	5
33	Dong et al. reply. Nature, 2017, 546, E12-E12.	13.7	4
34	Dong et al. reply. Nature, 2017, 546, E14-E15.	13.7	4
35	A workflow for simultaneous DNA copy number and methylome analysis of inner cell mass and trophectoderm cells from human blastocysts. Fertility and Sterility, 2021, 115, 1533-1540.	0.5	4
36	Development and validation of a radiomics nomogram to discriminate advanced pancreatic cancer with liver metastases or other metastatic patterns. Cancer Biomarkers, 2021, , 1-10.	0.8	4

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37	"Best-Guess" MRAD Provides Robust Evidence for a Limit to Human Lifespan: Reply to de Grey (Rejuvenation Res. 2017;20:261–262). Rejuvenation Research, 2017, 20, 437-440.	0.9	4
38	Dong et al. reply. Nature, 2017, 546, E7-E7.	13.7	3
39	Dong et al. reply. Nature, 2017, 546, E9-E10.	13.7	3
40	Dong et al. reply. Nature, 2017, 546, E21-E21.	13.7	1
41	Ageing: Biomarkers get physical. Nature Biomedical Engineering, 2017, 1, .	11.6	0