

Cizhong Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

5,765
citations

147801

31
h-index

82547

72
g-index

90
all docs

90
docs citations

90
times ranked

8803
citing authors

#	ARTICLE	IF	CITATIONS
1	BMP4 preserves the developmental potential of mESCs through Ube2s- and Chmp4b-mediated chromosomal stability safeguarding. <i>Protein and Cell</i> , 2022, 13, 580-601.	11.0	3
2	5-methylcytosine modification by <i>Plasmodium</i> NSUN2 stabilizes mRNA and mediates the development of gametocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	9
3	Aberrant H3K4me3 modification of epiblast genes of extraembryonic tissue causes placental defects and implantation failure in mouse IVF embryos. <i>Cell Reports</i> , 2022, 39, 110784.	6.4	12
4	Dux-Mediated Corrections of Aberrant H3K9ac during 2-Cell Genome Activation Optimize Efficiency of Somatic Cell Nuclear Transfer. <i>Cell Stem Cell</i> , 2021, 28, 150-163.e5.	11.1	54
5	Characterizing disease progression of nonalcoholic steatohepatitis in <i>Leptin</i> -deficient rats by integrated transcriptome analysis. <i>Experimental Biology and Medicine</i> , 2021, 246, 678-687.	2.4	5
6	An ALYREF-MYCN coactivator complex drives neuroblastoma tumorigenesis through effects on USP3 and MYCN stability. <i>Nature Communications</i> , 2021, 12, 1881.	12.8	31
7	The Architectural Factor HMGB1 Is Involved in Genome Organization in the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>MBio</i> , 2021, 12, .	4.1	11
8	Differential Transcriptomes and Methylomes of Trophoblast Stem Cells From Naturally-Fertilized and Somatic Cell Nuclear-Transferred Embryos. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 664178.	3.7	0
9	A cascade of transcriptional repression determines sexual commitment and development in <i>Plasmodium falciparum</i> . <i>Nucleic Acids Research</i> , 2021, 49, 9264-9279.	14.5	36
10	Pyroptosis inhibition improves the symptom of acute myocardial infarction. <i>Cell Death and Disease</i> , 2021, 12, 852.	6.3	34
11	Developmental programming and lineage branching of early human telencephalon. <i>EMBO Journal</i> , 2021, 40, e107277.	7.8	10
12	Mapping germ-layer specification preventing genes in hPSCs via genome-scale CRISPR screening. <i>IScience</i> , 2021, 24, 101926.	4.1	4
13	Fetal growth restriction impairs hippocampal neurogenesis and cognition via Tet1 in offspring. <i>Cell Reports</i> , 2021, 37, 109912.	6.4	19
14	TCONS_00483150 as a novel diagnostic biomarker of systemic lupus erythematosus. <i>Epigenomics</i> , 2020, 12, 973-988.	2.1	6
15	A retrospective analysis reveals a predictor of survival for the patient with paraquat intoxication. <i>Clinica Chimica Acta</i> , 2020, 511, 269-277.	1.1	4
16	Rrp6 Regulates Heterochromatic Gene Silencing via ncRNA RUF6 Decay in Malaria Parasites. <i>MBio</i> , 2020, 11, .	4.1	15
17	Genome transfer for the prevention of female infertility caused by maternal gene mutation. <i>Journal of Genetics and Genomics</i> , 2020, 47, 311-319.	3.9	9
18	Chromatin architecture reorganization in murine somatic cell nuclear transfer embryos. <i>Nature Communications</i> , 2020, 11, 1813.	12.8	43

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19	Optimization of CRISPR/Cas System for Improving Genome Editing Efficiency in Plasmodium falciparum. <i>Frontiers in Microbiology</i> , 2020, 11, 625862.	3.5	7
20	Loss of Atg7 causes chaotic nucleosome assembly of mouse bone marrow CD11b+Ly6G- myeloid cells. <i>Aging</i> , 2020, 12, 25673-25683.	3.1	6
21	Increase in DNA Damage by MYCN Knockdown Through Regulating Nucleosome Organization and Chromatin State in Neuroblastoma. <i>Frontiers in Genetics</i> , 2019, 10, 684.	2.3	4
22	Guide Positioning Sequencing identifies aberrant DNA methylation patterns that alter cell identity and tumor-immune surveillance networks. <i>Genome Research</i> , 2019, 29, 270-280.	5.5	25
23	Wingless modulates activator protein-1-mediated tumor invasion. <i>Oncogene</i> , 2019, 38, 3871-3885.	5.9	21
24	Improved recombinant protein production by regulation of transcription and protein transport in Chinese hamster ovary cells. <i>Biotechnology Letters</i> , 2019, 41, 719-732.	2.2	3
25	H3K27me3 Signal in the Cis Regulatory Elements Reveals the Differentiation Potential of Progenitors During Drosophila Neuroglial Development. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 297-304.	6.9	3
26	Collaborative ISL1/GATA3 interaction in controlling neuroblastoma oncogenic pathways overlapping with but distinct from MYCN. <i>Theranostics</i> , 2019, 9, 986-1000.	10.0	12
27	TRIBE Uncovers the Role of Dis3 in Shaping the Dynamic Transcriptome in Malaria Parasites. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 264.	3.7	10
28	OUP accepted manuscript. <i>Nucleic Acids Research</i> , 2019, 47, 8563-8580.	14.5	46
29	Temporal requirements for ISL1 in sympathetic neuron proliferation, differentiation, and diversification. <i>Cell Death and Disease</i> , 2018, 9, 247.	6.3	23
30	Reduced Self-Diploidization and Improved Survival of Semi-cloned Mice Produced from Androgenetic Haploid Embryonic Stem Cells through Overexpression of Dnmt3b. <i>Stem Cell Reports</i> , 2018, 10, 477-493.	4.8	24
31	Genome-wide DNA methylation analysis reveals that mouse chemical iPSCs have closer epigenetic features to mESCs than OSKM-integrated iPSCs. <i>Cell Death and Disease</i> , 2018, 9, 187.	6.3	15
32	Accurate annotation of accessible chromatin in mouse and human primordial germ cells. <i>Cell Research</i> , 2018, 28, 1077-1089.	12.0	17
33	Dynamic placement of the linker histone H1 associated with nucleosome arrangement and gene transcription in early Drosophila embryonic development. <i>Cell Death and Disease</i> , 2018, 9, 765.	6.3	13
34	Sin3a-Tet1 interaction activates gene transcription and is required for embryonic stem cell pluripotency. <i>Nucleic Acids Research</i> , 2018, 46, 6026-6040.	14.5	49
35	Differential analysis of chromatin accessibility and histone modifications for predicting mouse developmental enhancers. <i>Nucleic Acids Research</i> , 2018, 46, 11184-11201.	14.5	36
36	Smad5 acts as an intracellular pH messenger and maintains bioenergetic homeostasis. <i>Cell Research</i> , 2017, 27, 1083-1099.	12.0	34

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37	The temporal requirements for Isl1 in sympathetic neuron proliferation, differentiation and diversification. <i>Mechanisms of Development</i> , 2017, 145, S125.	1.7	0
38	Chromatin remodeling during in vivo neural stem cells differentiating to neurons in early <i>Drosophila</i> embryos. <i>Cell Death and Differentiation</i> , 2017, 24, 409-420.	11.2	24
39	Genetic analysis of heterogeneous sub-clones in recombinant Chinese hamster ovary cells. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5785-5797.	3.6	13
40	Nucleosome eviction along with H3K9ac deposition enhances Sox2 binding during human neuroectodermal commitment. <i>Cell Death and Differentiation</i> , 2017, 24, 1121-1131.	11.2	21
41	dFoxO promotes Wingless signaling in <i>Drosophila</i> . <i>Scientific Reports</i> , 2016, 6, 22348.	3.3	14
42	Smad2 and Smad3 have differential sensitivity in relaying TGF β ² signaling and inversely regulate early lineage specification. <i>Scientific Reports</i> , 2016, 6, 21602.	3.3	78
43	Targeted Differentiation of Regional Ventral Neuroprogenitors and Related Neuronal Subtypes from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2016, 7, 941-954.	4.8	21
44	Integrated transcriptome analysis of human iPS cells derived from a fragile X syndrome patient during neuronal differentiation. <i>Science China Life Sciences</i> , 2016, 59, 1093-1105.	4.9	28
45	The deubiquitinase USP21 maintains the stemness of mouse embryonic stem cells via stabilization of Nanog. <i>Nature Communications</i> , 2016, 7, 13594.	12.8	72
46	Dynamically reorganized chromatin is the key for the reprogramming of somatic cells to pluripotent cells. <i>Scientific Reports</i> , 2016, 5, 17691.	3.3	20
47	Chromatin remodeling during the in vivo glial differentiation in early <i>Drosophila</i> embryos. <i>Scientific Reports</i> , 2016, 6, 33422.	3.3	10
48	Distinct response of the hepatic transcriptome to Aflatoxin B1 induced hepatocellular carcinogenesis and resistance in rats. <i>Scientific Reports</i> , 2016, 6, 31898.	3.3	33
49	Opposing Roles of Wnt Inhibitors IGFBP-4 and Dkk1 in Cardiac Ischemia by Differential Targeting of LRP5/6 and β -catenin. <i>Circulation</i> , 2016, 134, 1991-2007.	1.6	57
50	Multi-organ Site Metastatic Reactivation Mediated by Non-canonical Discoidin Domain Receptor 1 Signaling. <i>Cell</i> , 2016, 166, 47-62.	28.9	194
51	Hierarchical Oct4 Binding in Concert with Primed Epigenetic Rearrangements during Somatic Cell Reprogramming. <i>Cell Reports</i> , 2016, 14, 1540-1554.	6.4	74
52	Na ⁺ -Induced Pluripotent Stem Cells Generated From β -Thalassemia Fibroblasts Allow Efficient Gene Correction With CRISPR/Cas9. <i>Stem Cells Translational Medicine</i> , 2016, 5, 8-19.	3.3	59
53	Genetic analysis of the clonal stability of Chinese hamster ovary cells for recombinant protein production. <i>Molecular BioSystems</i> , 2016, 12, 102-109.	2.9	23
54	Profiling Analysis of Histone Modifications and Gene Expression in Lewis Lung Carcinoma Murine Cells Resistant to Anti-VEGF Treatment. <i>PLoS ONE</i> , 2016, 11, e0158214.	2.5	3

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55	The long noncoding RNA MALAT1 promotes tumor-driven angiogenesis by up-regulating pro-angiogenic gene expression. <i>Oncotarget</i> , 2016, 7, 8663-8675.	1.8	97
56	Transcription factor ISL1 is essential for pacemaker development and function. <i>Journal of Clinical Investigation</i> , 2015, 125, 3256-3268.	8.2	90
57	Direct reprogramming of mouse fibroblasts into cardiomyocytes with chemical cocktails. <i>Cell Research</i> , 2015, 25, 1013-1024.	12.0	202
58	<i>Pwp1</i> Is Required for the Differentiation Potential of Mouse Embryonic Stem Cells Through Regulating <i>Stat3</i> Signaling. <i>Stem Cells</i> , 2015, 33, 661-673.	3.2	14
59	Toxic effects of decabromodiphenyl ether (BDE-209) on human embryonic kidney cells. <i>Frontiers in Genetics</i> , 2014, 5, 118.	2.3	24
60	Nucleosome organizations in induced pluripotent stem cells reprogrammed from somatic cells belonging to three different germ layers. <i>BMC Biology</i> , 2014, 12, 109.	3.8	11
61	<i>Drosophila</i> Brahma complex remodels nucleosome organizations in multiple aspects. <i>Nucleic Acids Research</i> , 2014, 42, 9730-9739.	14.5	19
62	Phylogenetic affinity of tree shrews to Glires is attributed to fast evolution rate. <i>Molecular Phylogenetics and Evolution</i> , 2014, 71, 193-200.	2.7	24
63	Epigenetics: the language of the cell?. <i>Epigenomics</i> , 2014, 6, 73-88.	2.1	71
64	Severe hypoxia exerts parallel and cell-specific regulation of gene expression and alternative splicing in human mesenchymal stem cells. <i>BMC Genomics</i> , 2014, 15, 303.	2.8	63
65	Tumor resistance to anti-VEGF therapy through up-regulation of VEGF-C expression. <i>Cancer Letters</i> , 2014, 346, 45-52.	7.2	46
66	Gene Expression Profiling Analysis of Bisphenol A-Induced Perturbation in Biological Processes in ER-Negative HEK293 Cells. <i>PLoS ONE</i> , 2014, 9, e98635.	2.5	20
67	Ribosomal RNA Gene Transcription Mediated by the Master Genome Regulator Protein CCCTC-binding Factor (CTCF) Is Negatively Regulated by the Condensin Complex. <i>Journal of Biological Chemistry</i> , 2013, 288, 26067-26077.	3.4	46
68	microRNA-29b is a novel mediator of Sox2 function in the regulation of somatic cell reprogramming. <i>Cell Research</i> , 2013, 23, 142-156.	12.0	84
69	Requirement for integrin-linked kinase in neural crest migration and differentiation and outflow tract morphogenesis. <i>BMC Biology</i> , 2013, 11, 107.	3.8	23
70	VEGF-Mediated Proliferation of Human Adipose Tissue-Derived Stem Cells. <i>PLoS ONE</i> , 2013, 8, e73673.	2.5	33
71	TFFP: An SVM-Based Tool for Recognizing Flagellar Proteins in <i>Trypanosoma brucei</i> . <i>PLoS ONE</i> , 2013, 8, e54032.	2.5	1
72	H2A.Z Nucleosome Positioning Has No Impact on Genetic Variation in <i>Drosophila</i> Genome. <i>PLoS ONE</i> , 2013, 8, e58295.	2.5	1

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73	PEpiD: A Prostate Epigenetic Database in Mammals. PLoS ONE, 2013, 8, e64289.	2.5	11
74	Unusual combinatorial involvement of poly-A/T tracts in organizing genes and chromatin in Dictyostelium. Genome Research, 2012, 22, 1098-1106.	5.5	29
75	MicroRNA-449 and MicroRNA-34b/c Function Redundantly in Murine Testes by Targeting E2F Transcription Factor-Retinoblastoma Protein (E2F-pRb) Pathway. Journal of Biological Chemistry, 2012, 287, 21686-21698.	3.4	197
76	A Comprehensive Genomic Binding Map of Gene and Chromatin Regulatory Proteins in Saccharomyces. Molecular Cell, 2011, 41, 480-492.	9.7	269
77	Features of Recent Codon Evolution: A Comparative Polymorphism-Fixation Study. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-9.	3.0	3
78	Nucleosome positioning and gene regulation: advances through genomics. Nature Reviews Genetics, 2009, 10, 161-172.	16.3	915
79	Interaction of Transcriptional Regulators with Specific Nucleosomes across the Saccharomyces Genome. Molecular Cell, 2009, 35, 889-902.	9.7	110
80	A compiled and systematic reference map of nucleosome positions across the Saccharomyces cerevisiae genome. Genome Biology, 2009, 10, R109.	9.6	212
81	Nucleosome organization in the Drosophila genome. Nature, 2008, 453, 358-362.	27.8	636
82	Association of ADH and ALDH Genes With Alcohol Dependence in the Irish Affected Sib Pair Study of Alcohol Dependence (IASPSAD) Sample. Alcoholism: Clinical and Experimental Research, 2008, 32, 785-795.	2.4	72
83	A barrier nucleosome model for statistical positioning of nucleosomes throughout the yeast genome. Genome Research, 2008, 18, 1073-1083.	5.5	591
84	NELF and GAGA Factor Are Linked to Promoter-Proximal Pausing at Many Genes in Drosophila. Molecular and Cellular Biology, 2008, 28, 3290-3300.	2.3	198
85	GeneTrack—a genomic data processing and visualization framework. Bioinformatics, 2008, 24, 1305-1306.	4.1	94
86	Features and Trend of Loss of Promoter-Associated CpG Islands in the Human and Mouse Genomes. Molecular Biology and Evolution, 2007, 24, 1991-2000.	8.9	46
87	Methylation-Dependent Transition Rates Are Dependent on Local Sequence Lengths and Genomic Regions. Molecular Biology and Evolution, 2007, 24, 23-25.	8.9	38
88	Mutational spectrum in the recent human genome inferred by single nucleotide polymorphisms. Genomics, 2006, 88, 527-534.	2.9	56
89	Directionality of point mutation and 5-methylcytosine deamination rates in the chimpanzee genome. BMC Genomics, 2006, 7, 316.	2.8	22
90	A novel statistical method to estimate the effective SNP size in vertebrate genomes and categorized genomic regions. BMC Genomics, 2006, 7, 329.	2.8	0