

Yanhong Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,662
citations

331259

21
h-index

344852

36
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37
all docs

37
docs citations

37
times ranked

3179
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct features of H3K4me3 and H3K27me3 chromatin domains in pre-implantation embryos. <i>Nature</i> , 2016, 537, 558-562.	13.7	538
2	Allelic reprogramming of the histone modification H3K4me3 in early mammalian development. <i>Nature</i> , 2016, 537, 553-557.	13.7	516
3	Reprogramming of H3K9me3-dependent heterochromatin during mammalian embryo development. <i>Nature Cell Biology</i> , 2018, 20, 620-631.	4.6	292
4	Identification of key factors conquering developmental arrest of somatic cell cloned embryos by combining embryo biopsy and single-cell sequencing. <i>Cell Discovery</i> , 2016, 2, 16010.	3.1	165
5	Protein Expression Landscape of Mouse Embryos during Pre-implantation Development. <i>Cell Reports</i> , 2017, 21, 3957-3969.	2.9	135
6	FTO mediates LINE1 methylation and demethylation and chromatin regulation in mESCs and mouse development. <i>Science</i> , 2022, 376, 968-973.	6.0	97
7	Precise temporal regulation of Dux is important for embryo development. <i>Cell Research</i> , 2019, 29, 956-959.	5.7	85
8	Nuclear m6A reader YTHDC1 regulates the scaffold function of LINE1 RNA in mouse ESCs and early embryos. <i>Protein and Cell</i> , 2021, 12, 455-474.	4.8	84
9	Hierarchical Oct4 Binding in Concert with Primed Epigenetic Rearrangements during Somatic Cell Reprogramming. <i>Cell Reports</i> , 2016, 14, 1540-1554.	2.9	74
10	Inhibition of Aberrant DNA Re-methylation Improves Post-implantation Development of Somatic Cell Nuclear Transfer Embryos. <i>Cell Stem Cell</i> , 2018, 23, 426-435.e5.	5.2	72
11	Dosage effects of ZP2 and ZP3 heterozygous mutations cause human infertility. <i>Human Genetics</i> , 2017, 136, 975-985.	1.8	63
12	Naïve Induced Pluripotent Stem Cells Generated From β^0 -Thalassemia Fibroblasts Allow Efficient Gene Correction With CRISPR/Cas9. <i>Stem Cells Translational Medicine</i> , 2016, 5, 8-19.	1.6	59
13	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.	5.2	54
14	Chromatin architecture reorganization in murine somatic cell nuclear transfer embryos. <i>Nature Communications</i> , 2020, 11, 1813.	5.8	43
15	Maternal Sall4 Is Indispensable for Epigenetic Maturation of Mouse Oocytes. <i>Journal of Biological Chemistry</i> , 2017, 292, 1798-1807.	1.6	37
16	Neonatal Repeated Exposure to Isoflurane not Sevoflurane in Mice Reversibly Impaired Spatial Cognition at Juvenile-Age. <i>Neurochemical Research</i> , 2017, 42, 595-605.	1.6	33
17	Dcaf11 activates Zscan4-mediated alternative telomere lengthening in early embryos and embryonic stem cells. <i>Cell Stem Cell</i> , 2021, 28, 732-747.e9.	5.2	30
18	Nuclear Exosome Targeting Complex Core Factor Zcchc8 Regulates the Degradation of LINE1 RNA in Early Embryos and Embryonic Stem Cells. <i>Cell Reports</i> , 2019, 29, 2461-2472.e6.	2.9	28

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19	N6-methyladenosine regulates maternal RNA maintenance in oocytes and timely RNA decay during mouse maternal-to-zygotic transition. <i>Nature Cell Biology</i> , 2022, 24, 917-927.	4.6	28
20	Roscovitine, a CDK5 Inhibitor, Alleviates Sevoflurane-Induced Cognitive Dysfunction via Regulation Tau/GSK3 β and ERK/PPAR γ /CREB Signaling. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 423-435.	1.1	27
21	Jump-seq: Genome-Wide Capture and Amplification of 5-Hydroxymethylcytosine Sites. <i>Journal of the American Chemical Society</i> , 2019, 141, 8694-8697.	6.6	26
22	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.	2.3	24
23	Asymmetric Reprogramming Capacity of Parental Pronuclei in Mouse Zygotes. <i>Cell Reports</i> , 2014, 6, 1008-1016.	2.9	21
24	Enhanced Rejuvenation in Induced Pluripotent Stem Cell-Derived Neurons Compared with Directly Converted Neurons from an Aged Mouse. <i>Stem Cells and Development</i> , 2015, 24, 2767-2777.	1.1	21
25	Unique Patterns of H3K4me3 and H3K27me3 in 2-Cell-like Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2021, 16, 458-469.	2.3	18
26	Oocyte-Specific Homeobox 1, Obox1, Facilitates Reprogramming by Promoting Mesenchymal-to-Epithelial Transition and Mitigating Cell Hyperproliferation. <i>Stem Cell Reports</i> , 2017, 9, 1692-1705.	2.3	14
27	Dynamic nucleosome organization after fertilization reveals regulatory factors for mouse zygotic genome activation. <i>Cell Research</i> , 2022, 32, 801-813.	5.7	14
28	Downregulation of CDK5 Restores Sevoflurane-Induced Cognitive Dysfunction by Promoting SIRT1-Mediated Autophagy. <i>Cellular and Molecular Neurobiology</i> , 2020, 40, 955-965.	1.7	12
29	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.	2.9	12
30	Melatonin supplementation in the culture medium rescues impaired glucose metabolism in IVF mice offspring. <i>Journal of Pineal Research</i> , 2022, 72, e12778.	3.4	11
31	Genome transfer for the prevention of female infertility caused by maternal gene mutation. <i>Journal of Genetics and Genomics</i> , 2020, 47, 311-319.	1.7	9
32	Precise allele-specific genome editing by spatiotemporal control of CRISPR-Cas9 via pronuclear transplantation. <i>Nature Communications</i> , 2020, 11, 4593.	5.8	5
33	Surf4 facilitates reprogramming by activating the cellular response to endoplasmic reticulum stress. <i>Cell Proliferation</i> , 2021, 54, e13133.	2.4	5
34	High throughput sequencing identifies an imprinted gene, Grb10, associated with the pluripotency state in nuclear transfer embryonic stem cells. <i>Oncotarget</i> , 2017, 8, 47344-47355.	0.8	5
35	BMP4 preserves the developmental potential of mESCs through Ube2s- and Chmp4b-mediated chromosomal stability safeguarding. <i>Protein and Cell</i> , 2022, 13, 580-601.	4.8	3
36	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.	1.8	0