Wenqiang Liu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5255428/publications.pdf

Version: 2024-02-01

37	2,623	394421	330143
papers	citations	19 h-index	37 g-index

38	38	38	3134
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Melatonin supplementation in the culture medium rescues impaired glucose metabolism in IVF mice offspring. Journal of Pineal Research, 2022, 72, e12778.	7.4	11
2	Allele-specific H3K9me3 and DNA methylation co-marked CpG-rich regions serve as potential imprinting control regions in pre-implantation embryo. Nature Cell Biology, 2022, 24, 783-792.	10.3	14
3	Epigenetic regulation of cell fate transition: learning from early embryo development and somatic cell reprogramming. Biology of Reproduction, 2022, 107, 183-195.	2.7	7
4	Aberrant H3K4me3 modification of epiblast genes of extraembryonic tissue causes placental defects and implantation failure in mouse IVF embryos. Cell Reports, 2022, 39, 110784.	6.4	12
5	FTO mediates LINE1 m ⁶ A demethylation and chromatin regulation in mESCs and mouse development. Science, 2022, 376, 968-973.	12.6	97
6	N6-methyladenosine regulates maternal RNA maintenance in oocytes and timely RNA decay during mouse maternal-to-zygotic transition. Nature Cell Biology, 2022, 24, 917-927.	10.3	28
7	Dux-Mediated Corrections of Aberrant H3K9ac during 2-Cell Genome Activation Optimize Efficiency of Somatic Cell Nuclear Transfer. Cell Stem Cell, 2021, 28, 150-163.e5.	11.1	54
8	Pre-pregnancy exposure to fine particulate matter (PM2.5) increases reactive oxygen species production in oocytes and decrease litter size and weight in mice. Environmental Pollution, 2021, 268, 115858.	7.5	15
9	Nuclear m6A reader YTHDC1 regulates the scaffold function of LINE1 RNA in mouse ESCs and early embryos. Protein and Cell, 2021, 12, 455-474.	11.0	84
10	Differential Transcriptomes and Methylomes of Trophoblast Stem Cells From Naturally-Fertilized and Somatic Cell Nuclear-Transferred Embryos. Frontiers in Cell and Developmental Biology, 2021, 9, 664178.	3.7	0
11	Dcaf11 activates Zscan4-mediated alternative telomere lengthening in early embryos and embryonic stem cells. Cell Stem Cell, 2021, 28, 732-747.e9.	11.1	30
12	Altered sperm tsRNAs in aged male contribute to anxietyâ€like behavior in offspring. Aging Cell, 2021, 20, e13466.	6.7	20
13	A DNA methylation state transition model reveals the programmed epigenetic heterogeneity in human pre-implantation embryos. Genome Biology, 2020, 21, 277.	8.8	3
14	Identification and rescue of a novel TUBB8 mutation that causes the first mitotic division defects and infertility. Journal of Assisted Reproduction and Genetics, 2020, 37, 2713-2722.	2.5	22
15	Precise allele-specific genome editing by spatiotemporal control of CRISPR-Cas9 via pronuclear transplantation. Nature Communications, 2020, 11, 4593.	12.8	5
16	Genome transfer for the prevention of female infertility caused by maternal gene mutation. Journal of Genetics and Genomics, 2020, 47, 311-319.	3.9	9
17	Distinct H3K9me3 and DNA methylation modifications during mouse spermatogenesis. Journal of Biological Chemistry, 2019, 294, 18714-18725.	3.4	38
18	Nuclear Exosome Targeting Complex Core Factor Zcchc8 Regulates the Degradation of LINE1 RNA in Early Embryos and Embryonic Stem Cells. Cell Reports, 2019, 29, 2461-2472.e6.	6.4	28

#	Article	IF	Citations
19	Pwp1 regulates telomere length by stabilizing shelterin complex and maintaining histone H4K20 trimethylation. Cell Discovery, 2019, 5, 47.	6.7	5
20	Reprogramming of H3K9me3-dependent heterochromatin during mammalian embryo development. Nature Cell Biology, 2018, 20, 620-631.	10.3	292
21	Reduced Self-Diploidization and Improved Survival of Semi-cloned Mice Produced from Androgenetic Haploid Embryonic Stem Cells through Overexpression of Dnmt3b. Stem Cell Reports, 2018, 10, 477-493.	4.8	24
22	Stella safeguards the oocyte methylome by preventing de novo methylation mediated by DNMT1. Nature, 2018, 564, 136-140.	27.8	186
23	Accurate annotation of accessible chromatin in mouse and human primordial germ cells. Cell Research, 2018, 28, 1077-1089.	12.0	17
24	Inhibition of Aberrant DNA Re-methylation Improves Post-implantation Development of Somatic Cell Nuclear Transfer Embryos. Cell Stem Cell, 2018, 23, 426-435.e5.	11.1	72
25	IP3R-mediated Ca2+ signals govern hematopoietic and cardiac divergence of Flk1+ cells via the calcineurinâ€“NFATc3â€“Etv2 pathway. Journal of Molecular Cell Biology, 2017, 9, 274-288.	3.3	16
26	Maternal Sall4 Is Indispensable for Epigenetic Maturation of Mouse Oocytes. Journal of Biological Chemistry, 2017, 292, 1798-1807.	3.4	37
27	Direct induction of neural progenitor cells transiently passes through a partially reprogrammed state. Biomaterials, 2017, 119, 53-67.	11.4	10
28	Additive-effect pattern of both ZP2 and ZP3 in human and mouse. Human Genetics, 2017, 136, 1493-1495.	3.8	5
29	Dosage effects of ZP2 and ZP3 heterozygous mutations cause human infertility. Human Genetics, 2017, 136, 975-985.	3.8	63
30	Protein Expression Landscape of Mouse Embryos during Pre-implantation Development. Cell Reports, 2017, 21, 3957-3969.	6.4	135
31	High throughput sequencing identifies an imprinted gene, Grb10, associated with the pluripotency state in nuclear transfer embryonic stem cells. Oncotarget, 2017, 8, 47344-47355.	1.8	5
32	Identification of key factors conquering developmental arrest of somatic cell cloned embryos by combining embryo biopsy and single-cell sequencing. Cell Discovery, 2016, 2, 16010.	6.7	165
33	Allelic reprogramming of the histone modification H3K4me3 in early mammalian development. Nature, 2016, 537, 553-557.	27.8	516
34	Distinct features of H3K4me3 and H3K27me3 chromatin domains in pre-implantation embryos. Nature, 2016, 537, 558-562.	27.8	538
35	Unique features of mutations revealed by sequentially reprogrammed induced pluripotent stem cells. Nature Communications, 2015, 6, 6318.	12.8	26
36	Nucleosome organizations in induced pluripotent stem cells reprogrammed from somatic cells belonging to three different germ layers. BMC Biology, 2014, 12, 109.	3.8	11

#	Article	IF	Citations
37	Asymmetric Reprogramming Capacity of Parental Pronuclei in Mouse Zygotes. Cell Reports, 2014, 6, 1008-1016.	6.4	21