Ping Zheng

List of Publications by Year
in descending order

45	2,109	218677	243625
papers	citations	26 h-index	44 g-index

48	48	48	2643
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Maternal control of early mouse development. Development (Cambridge), 2010, 137, 859-870.	2.5	374
2	In vitro culture of cynomolgus monkey embryos beyond early gastrulation. Science, 2019, 366, .	12.6	149
3	Role of Filia , a maternal effect gene, in maintaining euploidy during cleavage-stage mouse embryogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7473-7478.	7.1	134
4	Maternally derived FILIA-MATER complex localizes asymmetrically in cleavage-stage mouse embryos. Development (Cambridge), 2008, 135, 259-269.	2.5	102
5	The subcortical maternal complex controls symmetric division of mouse zygotes by regulating F-actin dynamics. Nature Communications, 2014, 5, 4887.	12.8	102
6	Developmental Regulation and In Vitro Culture Effects on Expression of DNA Repair and Cell Cycle Checkpoint Control Genes in Rhesus Monkey Oocytes and Embryos1. Biology of Reproduction, 2005, 72, 1359-1369.	2.7	80
7	Oocyte-Specific Genes Affect Folliculogenesis, Fertilization, and Early Development. Seminars in Reproductive Medicine, 2007, 25, 243-251.	1.1	79
8	Direct Reprogramming of Fibroblasts via a Chemically Induced XEN-like State. Cell Stem Cell, 2017, 21, 264-273.e7.	11.1	74
9	Long-term propagation of tree shrew spermatogonial stem cells in culture and successful generation of transgenic offspring. Cell Research, 2017, 27, 241-252.	12.0	63
10	17Â-Estradiol and progesterone improve in-vitro cytoplasmic maturation of oocytes from unstimulated prepubertal and adult rhesus monkeys. Human Reproduction, 2003, 18, 2137-2144.	0.9	56
11	Transcriptome analyses of rhesus monkey preimplantation embryos reveal a reduced capacity for DNA double-strand break repair in primate oocytes and early embryos. Genome Research, 2017, 27, 567-579.	5.5	54
12	Germ stem cells are active in postnatal mouse ovary under physiological conditions. Molecular Human Reproduction, 2016, 22, 316-328.	2.8	48
13	Effects of Follicle Size and Oocyte Maturation Conditions on Maternal Messenger RNA Regulation and Gene Expression in Rhesus Monkey Oocytes and Embryos1. Biology of Reproduction, 2005, 72, 890-897.	2.7	47
14	The Primate Embryo Gene Expression Resource: A Novel Resource to Facilitate Rapid Analysis of Gene Expression Patterns in Non-Human Primate Oocytes and Preimplantation Stage Embryos1. Biology of Reproduction, 2004, 70, 1411-1418.	2.7	46
15	Filia Is an ESC-Specific Regulator of DNA Damage Response and Safeguards Genomic Stability. Cell Stem Cell, 2015, 16, 684-698.	11.1	46
16	Chromosomal level assembly and population sequencing of the Chinese tree shrew genome. Zoological Research, 2019, 40, 506-521.	2.1	43
17	Expression of Genes Encoding Chromatin Regulatory Factors in Developing Rhesus Monkey Oocytes and Preimplantation Stage Embryos: Possible Roles in Genome Activation1. Biology of Reproduction, 2004, 70, 1419-1427.	2.7	42
18	Effects of in vitro oocyte maturation and embryo culture on the expression of glucose transporters, glucose metabolism and insulin signaling genes in rhesus monkey oocytes and preimplantation embryos. Molecular Human Reproduction, 2007, 13, 361-371.	2.8	41

#	Article	IF	Citations
19	Melatonin alleviates morphine analgesic tolerance in mice by decreasing NLRP3 inflammasome activation. Redox Biology, 2020, 34, 101560.	9.0	39
20	Cryopreservation of Rhesus Macaque (Macaca mulatta) Spermatozoa and Their Functional Assessment by in Vitro Fertilization. Cryobiology, 2000, 41, 232-240.	0.7	38
21	Energy substrate requirement for in vitro maturation of oocytes from unstimulated adult rhesus monkeys. Molecular Reproduction and Development, 2001, 58, 348-355.	2.0	36
22	KHDC3L mutation causes recurrent pregnancy loss by inducing genomic instability of human early embryonic cells. PLoS Biology, 2019, 17, e3000468.	5.6	36
23	Effect of glycerol and dimethyl sulfoxide on cryopreservation of rhesus monkey (Macaca mulatta) sperm. American Journal of Primatology, 2004, 62, 301-306.	1.7	34
24	mRNA-Seq and MicroRNA-Seq Whole-Transcriptome Analyses of Rhesus Monkey Embryonic Stem Cell Neural Differentiation Revealed the Potential Regulators of Rosette Neural Stem Cells. DNA Research, 2014, 21, 541-554.	3.4	32
25	Mouse embryonic stem cells have increased capacity for replication fork restart driven by the specific Filia-Floped protein complex. Cell Research, 2018, 28, 69-89.	12.0	31
26	Trio deep-sequencing does not reveal unexpected off-target and on-target mutations in Cas9-edited rhesus monkeys. Nature Communications, 2019, 10, 5525.	12.8	29
27	Expression and downregulation of WNT signaling pathway genes in rhesus monkey oocytes and embryos. Molecular Reproduction and Development, 2006, 73, 667-677.	2.0	27
28	PtdIns(3,4,5)P3 is constitutively synthesized and required for spindle translocation during meiosis in mouse oocytes. Journal of Cell Science, 2013, 126, 715-21.	2.0	25
29	miRNA Signature in Mouse Spermatogonial Stem Cells Revealed by High-Throughput Sequencing. BioMed Research International, 2014, 2014, 1-11.	1.9	25
30	Does the Genetic Feature of the Chinese Tree Shrew (Tupaia belangeri chinensis) Support Its Potential as a Viable Model for Alzheimerâ€™s Disease Research?. Journal of Alzheimer's Disease, 2018, 61, 1015-1028.	2.6	25
31	Single-cell RNA-sequencing reveals the existence of naive and primed pluripotency in pre-implantation rhesus monkey embryos. Genome Research, 2018, 28, 1481-1493.	5.5	25
32	Identification of the primate-specific gene BTN3A2 as an additional schizophrenia risk gene in the MHC loci. EBioMedicine, 2019, 44, 530-541.	6.1	24
33	Promoter variant rs2301228 on the neural cell adhesion molecule 1 gene confers risk of schizophrenia in Han Chinese. Schizophrenia Research, 2014, 160, 88-96.	2.0	17
34	Decrease in expression of maternal effect geneMateris associated with maternal ageing in mice. Molecular Human Reproduction, 2016, 22, 252-260.	2.8	16
35	Genome integrity and neurogenesis of postnatal hippocampal neural stem/progenitor cells require a unique regulator Filia. Science Advances, 2020, 6, .	10.3	14
36	A novel lncRNA Discn fine-tunes replication protein A (RPA) availability to promote genomic stability. Nature Communications, 2021, 12, 5572.	12.8	11

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37	å°é¼ å¸µæ¯ç»†èƒžä¸æ¯æ°åŸºå› Ooep å•èƒ½åƒä¸ŽåŒæºé‡ç»„ä»‹å¯¼çš„DNAåŒé“¾æ–è£‚ä¿®å¤è¿‡ç¨‹. Zoological Research, 2018, 39, 38	2.1	8
38	Multiple coagulation factor deficiency protein 2 contains the ability to support stem cell selfâ€renewal. FASEB Journal, 2013, 27, 3298-3305.	0.5	7
39	Maintaining genomic stability in pluripotent stem cells. Genome Instability & Disease, 2020, 1, 92-97.	1.1	7
40	Depletion of giant ANK2 in monkeys causes drastic brain volume loss. Cell Discovery, 2021, 7, 113.	6.7	4
41	Current understanding of genomic stability maintenance in pluripotent stem cells. Acta Biochimica Et Biophysica Sinica, 2022, , .	2.0	4
42	Comments on â€˜In vitro culture of cynomolgus monkey embryos beyond early gastrulationâ€™. Journal of Molecular Cell Biology, 2020, 12, 400-402.	3.3	3
43	Early embryonic development and transplantation in tree shrews. Zoological Research, 2016, 37, 252-8.	0.6	3
44	Maternal-effect Floped gene is essential for the derivation of embryonic stem cells in mice. Zoological Research, 2013, 34, E82-6.	0.6	2
45	Depletion of endogenous germ cells in tree shrews in preparation for spermatogonial transplantation. Experimental and Therapeutic Medicine, 2017, 14, 2349-2354.	1.8	0