

Yunhai Zhang

List of Publications by Year in descending order

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112
papers

2,159
citations

218677

26
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289244

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114
all docs

114
docs citations

114
times ranked

2496
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic analysis of hypothalamus in prepubertal and pubertal female goat. Journal of Proteomics, 2022, 251, 104411.	2.4	8
2	Paraquat exposure impairs porcine oocyte meiotic maturation. Theriogenology, 2022, 179, 60-68.	2.1	6
3	Vitrification of Pronuclear Zygotes Perturbs Porcine Zygotic Genome Activation. Animals, 2022, 12, 610.	2.3	3
4	Proteomic analysis of healthy and atretic porcine follicular granulosa cells. Journal of Proteomics, 2021, 232, 104027.	2.4	13
5	Addition of L-Cysteine and Vitamin E to Semen Diluent Enhances Freeze-thawed Spermatozoa Characteristics in Crossbred Cattle Bulls under Subtropical Environment. Pakistan Journal of Zoology, 2021, 53, .	0.2	2
6	Chromatin remodeler INO80 mediates trophectoderm permeability barrier to modulate morula-to-blastocyst transition. Zoological Research, 2021, 42, 562-573.	2.1	2
7	SIN3A Regulates Porcine Early Embryonic Development by Modulating CCNB1 Expression. Frontiers in Cell and Developmental Biology, 2021, 9, 604232.	3.7	2
8	METTL3-mediated m6A methylation negatively modulates autophagy to support porcine blastocyst development. Biology of Reproduction, 2021, 104, 1008-1021.	2.7	16
9	Impact of Cryopreservation on Spermatozoa Freeze-Thawed Traits and Relevance OMICS to Assess Sperm Cryo-Tolerance in Farm Animals. Frontiers in Veterinary Science, 2021, 8, 609180.	2.2	56
10	Expression Analysis of Circular RNAs in Young and Sexually Mature Boar Testes. Animals, 2021, 11, 1430.	2.3	7
11	Histone Arginine Methyltransferase CARM1-Mediated H3R26me2 Is Essential for Morula-to-Blastocyst Transition in Pigs. Frontiers in Cell and Developmental Biology, 2021, 9, 678282.	3.7	3
12	Integrated Analysis of Long Non-Coding RNA and mRNA Expression Profiles in Testes of Calves and Sexually Mature Wandong Bulls (Bos taurus). Animals, 2021, 11, 2006.	2.3	6
13	Knockdown of Ptpn-2 delays the onset of puberty in female rats. Theriogenology, 2021, 176, 137-148.	2.1	4
14	MicroRNA-378 regulates adipogenic differentiation in bovine intramuscular preadipocytes by targeting <i>CaMKK2</i> . Adipocyte, 2021, 10, 483-492.	2.8	5
15	Circular RNA Expression and Regulation Profiling in Testicular Tissues of Immature and Mature Wandong Cattle (Bos taurus). Frontiers in Genetics, 2021, 12, 685541.	2.3	4
16	Cumulus cell-derived and maternal SIRT6 differentially regulates porcine oocyte meiotic maturation. Theriogenology, 2020, 142, 158-168.	2.1	13
17	The <i>PLAG1</i> mRNA expression analysis among genetic variants and relevance to growth traits in Chinese cattle. Animal Biotechnology, 2020, 31, 504-511.	1.5	7
18	Anti-Müllerian hormone inhibits luteinizing hormone-induced androstenedione synthesis in porcine theca cells. Theriogenology, 2020, 142, 421-432.	2.1	8

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19	CLAUDIN7 modulates trophectoderm barrier function to maintain blastocyst development in pigs. <i>Theriogenology</i> , 2020, 158, 346-357.	2.1	10
20	Single-Cell Transcriptome Profiling Revealed That Vitrification of Somatic Cloned Porcine Blastocysts Causes Substantial Perturbations in Gene Expression. <i>Frontiers in Genetics</i> , 2020, 11, 640.	2.3	5
21	Identification and functional annotation of m6A methylation modification in granulosa cells during antral follicle development in pigs. <i>Animal Reproduction Science</i> , 2020, 219, 106510.	1.5	15
22	Effect of GABA-T on Reproductive Function in Female Rats. <i>Animals</i> , 2020, 10, 567.	2.3	4
23	Transcription profiles of oocytes during maturation and embryos during preimplantation development in vivo in the goat. <i>Reproduction, Fertility and Development</i> , 2020, 32, 714.	0.4	9
24	The integrity of the acrosome affects the fertility of frozen boar semen. <i>Theriogenology</i> , 2019, 137, 128.	2.1	0
25	Aminopeptidase N-null neonatal piglets are protected from transmissible gastroenteritis virus but not porcine epidemic diarrhea virus. <i>Scientific Reports</i> , 2019, 9, 13186.	3.3	31
26	Vitrification of murine mature metaphase II oocytes perturbs DNA methylation reprogramming during preimplantation embryo development. <i>Cryobiology</i> , 2019, 87, 91-98.	0.7	9
27	Melatonin improves developmental competence of oocyte-granulosa cell complexes from porcine preantral follicles. <i>Theriogenology</i> , 2019, 133, 149-158.	2.1	13
28	Stimulatory effects of NESFATIN1 on meiotic and developmental competence of porcine oocytes. <i>Journal of Cellular Physiology</i> , 2019, 234, 17767-17774.	4.1	5
29	Maternal Yes-Associated Protein Participates in Porcine Blastocyst Development via Modulation of Trophectoderm Epithelium Barrier Function. <i>Cells</i> , 2019, 8, 1606.	4.1	15
30	Production of porcine aminopeptidase N (APN) site-specific edited pigs. <i>Animal Science Journal</i> , 2019, 90, 366-371.	1.4	4
31	HASPIN kinase mediates histone deacetylation to regulate oocyte meiotic maturation in pigs. <i>Reproduction</i> , 2019, 157, 501-510.	2.6	7
32	Circular RNA profiling in the oocyte and cumulus cells reveals that circARMC4 is essential for porcine oocyte maturation. <i>Aging</i> , 2019, 11, 8015-8034.	3.1	18
33	Construction of multiple shRNA vectors targeting PEDV and TGEV and production of transgenic SCNT porcine embryos in vitro. <i>Frontiers of Agricultural Science and Engineering</i> , 2019, 6, 66.	1.4	0
34	RNA-seq analysis of lncRNA-controlled developmental gene expression during puberty in goat & rat. <i>BMC Genetics</i> , 2018, 19, 19.	2.7	24
35	Aging adult porcine fibroblasts can support nuclear transfer and transcription factor-mediated reprogramming. <i>Animal Science Journal</i> , 2018, 89, 289-297.	1.4	6
36	Effect of follistatin on pre-implantational development of pig parthenogenetic embryos. <i>Animal Science Journal</i> , 2018, 89, 316-327.	1.4	3

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37	Membrane receptor-independent inhibitory effect of melatonin on androgen production in porcine theca cells. <i>Theriogenology</i> , 2018, 118, 63-71.	2.1	13
38	The interaction between DNA methylation and long non-coding RNA during the onset of puberty in goats. <i>Reproduction in Domestic Animals</i> , 2018, 53, 1287-1297.	1.4	5
39	Screening and evaluating of long noncoding RNAs in the puberty of goats. <i>BMC Genomics</i> , 2017, 18, 164.	2.8	58
40	Growth performance, reproductive traits and offspring survivability of genetically modified rams overexpressing toll-like receptor 4. <i>Theriogenology</i> , 2017, 96, 103-110.	2.1	6
41	WDR5 in porcine preimplantation embryos: expression, regulation of epigenetic modifications and requirement for early development. <i>Biology of Reproduction</i> , 2017, 96, 758-771.	2.7	18
42	Effects of melatonin on maturation, histone acetylation, autophagy of porcine oocytes and subsequent embryonic development. <i>Animal Science Journal</i> , 2017, 88, 1298-1310.	1.4	26
43	Effect of histone deacetylase inhibitor romidepsin on the <i>in vitro</i> growth of foetal fibroblast cells and early development of porcine-cloned embryos. <i>Italian Journal of Animal Science</i> , 2017, 16, 189-198.	1.9	0
44	Identification of differential genomic DNA Methylation in the hypothalamus of pubertal rat using reduced representation Bisulfite sequencing. <i>Reproductive Biology and Endocrinology</i> , 2017, 15, 81.	3.3	18
45	TSA and BIX-01294 Induced Normal DNA and Histone Methylation and Increased Protein Expression in Porcine Somatic Cell Nuclear Transfer Embryos. <i>PLoS ONE</i> , 2017, 12, e0169092.	2.5	25
46	DOT1L inhibitor improves early development of porcine somatic cell nuclear transfer embryos. <i>PLoS ONE</i> , 2017, 12, e0179436.	2.5	13
47	Maternal histone acetyltransferase KAT8 is required for porcine preimplantation embryo development. <i>Oncotarget</i> , 2017, 8, 90250-90261.	1.8	8
48	Human exhaled air can efficiently support <i>in vitro</i> maturation of porcine oocytes and subsequent early embryonic development. <i>Animal Reproduction</i> , 2017, 15, 29-38.	1.0	1
49	Blastomere removal from cleavage-stage mouse embryos alters placental function, which is associated with placental oxidative stress and inflammation. <i>Scientific Reports</i> , 2016, 6, 25023.	3.3	16
50	Role of Nesfatin-1 in the Reproductive Axis of Male Rat. <i>Scientific Reports</i> , 2016, 6, 32877.	3.3	46
51	Characterization and analysis of differentially expressed microRNAs in hircine ovaries during the follicular and luteal phases. <i>Animal Reproduction Science</i> , 2016, 166, 47-57.	1.5	18
52	Isolation and characterization of a non-specific endoglucanase from a metagenomic library of goat rumen. <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 12.	3.6	29
53	DNA Methylation Patterns in the Hypothalamus of Female Pubertal Goats. <i>PLoS ONE</i> , 2016, 11, e0165327.	2.5	37
54	SCNT versus iPSCs: proteins and small molecules in reprogramming. <i>International Journal of Developmental Biology</i> , 2015, 59, 179-186.	0.6	11

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55	Genome-Wide Dynamic Profiling of Histone Methylation during Nuclear Transfer-Mediated Porcine Somatic Cell Reprogramming. PLoS ONE, 2015, 10, e0144897.	2.5	41
56	Characterization of porcine partially reprogrammed iPSCs from adipose-derived stem cells. Reproduction, 2015, 149, 485-496.	2.6	8
57	Identification of Valid Housekeeping Genes for Real-Time Quantitative PCR Analysis of Collapsed Lung Tissues of Neonatal Somatic Cell Nuclear Transfer-Derived Cattle. Cellular Reprogramming, 2015, 17, 360-367.	0.9	6
58	Effect of estrogen on the expression of GnRH and kisspeptin in the hypothalamus of rats during puberty. Theriogenology, 2015, 84, 1556-1564.	2.1	12
59	Immunization of dogs with recombinant GnRH-1 suppresses the development of reproductive function. Theriogenology, 2015, 83, 314-319.	2.1	14
60	Efficient Reprogramming of Naïve-Like Induced Pluripotent Stem Cells from Porcine Adipose-Derived Stem Cells with a Feeder-Independent and Serum-Free System. PLoS ONE, 2014, 9, e85089.	2.5	45
61	Generation of pluripotent stem cells via protein transduction. International Journal of Developmental Biology, 2014, 58, 21-27.	0.6	20
62	Measurement of the biophysical properties of porcine adipose-derived stem cells by a microperfusion system. Cryobiology, 2014, 69, 442-450.	0.7	8
63	Effect of Epigallocatechin-3-Gallate on the In Vitro Developmental Potential of Porcine Oocytes and Embryos Obtained Parthenogenetically and By Somatic Cell Nuclear Transfer. Italian Journal of Animal Science, 2014, 13, 3116.	1.9	4
64	Dynamic reprogramming of 5-hydroxymethylcytosine during early porcine embryogenesis. Theriogenology, 2014, 81, 496-508.	2.1	55
65	Exploring differentially expressed genes in the ovaries of uniparous and multiparous goats using the RNA-Seq (Quantification) method. Gene, 2014, 550, 148-153.	2.2	28
66	Dynamic changes of histone H3 lysine 27 acetylation in pre-implantational pig embryos derived from somatic cell nuclear transfer. Animal Reproduction Science, 2014, 148, 153-163.	1.5	29
67	All-trans retinoic acid improves goat oocyte nuclear maturation and reduces apoptotic cumulus cells during in vitro maturation. Animal Science Journal, 2014, 85, 833-839.	1.4	28
68	Effect of vitamin C on growth of caprine spermatogonial stem cells in vitro. Theriogenology, 2014, 81, 545-555.	2.1	29
69	Effects of vitamin C on characteristics retaining of in vitro-cultured mouse adipose-derived stem cells. In Vitro Cellular and Developmental Biology - Animal, 2014, 50, 75-86.	1.5	14
70	Identification and characterization of microRNAs in the ovaries of multiple and uniparous goats (Capra hircus) during follicular phase. BMC Genomics, 2014, 15, 339.	2.8	50
71	Identification of suitable endogenous control genes for quantitative RT-PCR analysis of miRNA in bovine solid tissues. Molecular Biology Reports, 2014, 41, 6475-6480.	2.3	18
72	Immunization against recombinant GnRH-I alters ultrastructure of gonadotropin cell in an experimental boar model. Reproductive Biology and Endocrinology, 2013, 11, 63.	3.3	2

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73	Construction of multiple shRNAs expression vector that inhibits FUT1 gene expression and production of the transgenic SCNT embryos in vitro. <i>Molecular Biology Reports</i> , 2013, 40, 2243-2252.	2.3	2
74	Characterization and differential expression of microRNAs in the ovaries of pregnant and non-pregnant goats (<i>Capra hircus</i>). <i>BMC Genomics</i> , 2013, 14, 157.	2.8	57
75	The compensatory expression of reproductive hormone receptors in the thymus of the male rat following active immunization against GnRH. <i>General and Comparative Endocrinology</i> , 2013, 185, 57-66.	1.8	16
76	Validation of a recombinant human bactericidal/permeability-increasing protein (hBPI) expression vector using murine mammary gland tumor cells and the early development of hBPI transgenic goat embryos. <i>Animal Reproduction Science</i> , 2013, 143, 48-56.	1.5	1
77	Reference Gene Screening for Analyzing Gene Expression Across Goat Tissue. <i>Asian-Australasian Journal of Animal Sciences</i> , 2013, 26, 1665-1671.	2.4	32
78	Generation of Porcine iPS Cells From Fetal Fibroblasts by Lentivirus Without Defined Factors. <i>Acta Agronomica Sinica(China)</i> , 2013, 40, 57.	0.3	0
79	Effects of chemically defined medium on early development of porcine embryos derived from parthenogenetic activation and cloning. <i>Zygote</i> , 2012, 20, 229-236.	1.1	17
80	In vitro evaluation of a mammary gland specific expression vector encoding recombinant human lysozyme for development of transgenic dairy goat embryos. <i>Biotechnology Letters</i> , 2012, 34, 1445-1452.	2.2	6
81	Role of Ghrelin on Estrogen and Progesterone Secretion in the Adult Rat Ovary During Estrous Cycle. <i>Systems Biology in Reproductive Medicine</i> , 2012, 58, 116-119.	2.1	15
82	The association between testicular ghrelin receptor mRNA and serum testosterone levels in immunocastrated boars. <i>Animal Reproduction Science</i> , 2012, 135, 62-67.	1.5	2
83	Characterization of Bovine Induced Pluripotent Stem Cells by Lentiviral Transduction of Reprogramming Factor Fusion Proteins. <i>International Journal of Biological Sciences</i> , 2012, 8, 498-511.	6.4	69
84	Changes in the Relative Inflammatory Responses in Sheep Cells Overexpressing of Toll-Like Receptor 4 When Stimulated with LPS. <i>PLoS ONE</i> , 2012, 7, e47118.	2.5	34
85	The Histological Structure and Location of Substance P in the Digestive Tract of the Siberian Tiger (<i>Panthera tigris altaica</i>). <i>Journal of Animal and Veterinary Advances</i> , 2012, 11, 735-741.	0.1	0
86	Role of ghrelin on testosterone secretion and the mRNA expression of androgen receptors in adult rat testis. <i>Systems Biology in Reproductive Medicine</i> , 2011, 57, 119-123.	2.1	18
87	Effects of Ascorbic Acid, α -Tocopherol and Co-culture on In Vitro Developmental Potential of Porcine Cumulus Cells Free Oocytes. <i>Reproduction in Domestic Animals</i> , 2010, 45, 19-25.	1.4	29
88	Oocyte and ovary morphological observation of gray wolf (<i>Canis lupus</i>). <i>Animal Biology</i> , 2010, 60, 249-257.	1.0	0
89	Follicle growth and oocyte development after ovary transplantation into back muscle of immune-intact adult castrated male mice. <i>Reproduction</i> , 2010, 140, 465-476.	2.6	28
90	Active immunization with recombinant GnRH fusion protein in boars reduces both testicular development and mRNA expression levels of GnRH receptor in pituitary. <i>Animal Reproduction Science</i> , 2010, 119, 275-281.	1.5	27

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91	Generation of Induced Pluripotent Stem Cells From Porcine Fibroblasts*. Progress in Biochemistry and Biophysics, 2010, 37, 607-612.	0.3	0
92	Fibroblast cell line establishment, cryopreservation and interspecies embryos reconstruction in red panda (<i>Ailurus fulgens</i>). Zygote, 2009, 17, 117-124.	1.1	14
93	Efficiency of Two Enucleation Methods Connected to Handmade Cloning to Produce Transgenic Porcine Embryos. Reproduction in Domestic Animals, 2009, 44, 122-127.	1.4	27
94	Immunization of Male Mice with a New Recombinant GnRH Fusion Protein Reduces the Testicular Function. Agricultural Sciences in China, 2009, 8, 380-385.	0.6	9
95	133 EFFECTS OF FROZEN STORED CULTURE MEDIA ON PRE-IMPLANTATION DEVELOPMENT OF PARTHENOTES AND CLONED EMBRYOS IN PIGS. Reproduction, Fertility and Development, 2009, 21, 166.	0.4	0
96	High in vitro development after somatic cell nuclear transfer and trichostatin A treatment of reconstructed porcine embryos. Theriogenology, 2008, 70, 800-808.	2.1	129
97	Cell-cycle synchronization of fibroblasts derived from transgenic cloned cattle ear skin: effects of serum starvation, roscovitine and contact inhibition. Zygote, 2008, 16, 111-116.	1.1	24
98	Ultrastructural changes in goat interspecies and intraspecies reconstructed early embryos. Zygote, 2008, 16, 93-110.	1.1	8
99	An Epigenetic Modifier Results in Improved In Vitro Blastocyst Production after Somatic Cell Nuclear Transfer. Cloning and Stem Cells, 2007, 9, 357-363.	2.6	97
100	Piglets Born from Vitrified Cloned Blastocysts Produced with a Simplified Method of Delipation and Nuclear Transfer. Cloning and Stem Cells, 2007, 9, 469-476.	2.6	35
101	Effects of Ghrelin on In Vitro Development of Porcine In Vitro Fertilized and Parthenogenetic Embryos. Journal of Reproduction and Development, 2007, 53, 647-653.	1.4	32
102	Piglets born from handmade cloning, an innovative cloning method without micromanipulation. Theriogenology, 2007, 68, 1104-1110.	2.1	95
103	Advanced methods of isolation and identification of porcine primordial follicles. Animal Reproduction Science, 2007, 101, 163-171.	1.5	6
104	Simplified cryopreservation of porcine cloned blastocysts. Cryobiology, 2007, 54, 181-187.	0.7	39
105	Somatic cell nuclear transfer in pigs: recent achievements and future possibilities. Reproduction, Fertility and Development, 2007, 19, 403.	0.4	85
106	34 PIGLETS BORN FROM HANDMADE CLONING. Reproduction, Fertility and Development, 2007, 19, 135.	0.4	3
107	198 BENEFICIAL EFFECT OF GHRELIN ON IN VITRO DEVELOPMENT OF PORCINE IN VITRO-FERTILIZED AND PARTHENOGENETIC EMBRYOS. Reproduction, Fertility and Development, 2007, 19, 215.	0.4	0
108	88 CELL CYCLE SYNCHRONIZATION OF FIBROBLASTS DERIVED FROM TRANSGENIC CLONED CATTLE EAR SKIN: EFFECTS OF SERUM STARVATION, ROSCOVITINE, AND CONTACT INHIBITION. Reproduction, Fertility and Development, 2007, 19, 161.	0.4	0

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109	Production of porcine cloned transgenic embryos expressing green fluorescent protein by somatic cell nuclear transfer. Science in China Series C: Life Sciences, 2006, 49, 1-8.	1.3	48
110	Production of porcine cloned transgenic embryos expressing green fluorescent protein by somatic cell nuclear transfer. Science in China Series C: Life Sciences, 2006, 49, 164-71.	1.3	21
111	Cloned pigs derived from somatic cell nuclear transfer embryos cultured in vitro at low oxygen tension. Science Bulletin, 2006, 51, 839-844.	9.0	11
112	In vitro developmental competence of pig nuclear transferred embryos: effects of GFP transfection, refrigeration, cell cycle synchronization and shapes of donor cells. Zygote, 2006, 14, 239-247.	1.1	21