

Yunhai Zhang

List of Publications by Year in descending order

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112
papers

2,159
citations

218381

26
h-index

288905

40
g-index

114
all docs

114
docs citations

114
times ranked

2496
citing authors

#	ARTICLE	IF	CITATIONS
1	High in vitro development after somatic cell nuclear transfer and trichostatin A treatment of reconstructed porcine embryos. <i>Theriogenology</i> , 2008, 70, 800-808.	0.9	129
2	An Epigenetic Modifier Results in Improved In Vitro Blastocyst Production after Somatic Cell Nuclear Transfer. <i>Cloning and Stem Cells</i> , 2007, 9, 357-363.	2.6	97
3	Piglets born from handmade cloning, an innovative cloning method without micromanipulation. <i>Theriogenology</i> , 2007, 68, 1104-1110.	0.9	95
4	Somatic cell nuclear transfer in pigs: recent achievements and future possibilities. <i>Reproduction, Fertility and Development</i> , 2007, 19, 403.	0.1	85
5	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.	2.6	69
6	Screening and evaluating of long noncoding RNAs in the puberty of goats. <i>BMC Genomics</i> , 2017, 18, 164.	1.2	58
7	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.	1.2	57
8	Impact of Cryopreservation on Spermatozoa Freeze-Thawed Traits and Relevance OMICS to Assess Sperm Cryo-Tolerance in Farm Animals. <i>Frontiers in Veterinary Science</i> , 2021, 8, 609180.	0.9	56
9	Dynamic reprogramming of 5-hydroxymethylcytosine during early porcine embryogenesis. <i>Theriogenology</i> , 2014, 81, 496-508.	0.9	55
10	Identification and characterization of microRNAs in the ovaries of multiple and uniparous goats (<i>Capra hircus</i>) during follicular phase. <i>BMC Genomics</i> , 2014, 15, 339.	1.2	50
11	Production of porcine cloned transgenic embryos expressing green fluorescent protein by somatic cell nuclear transfer. <i>Science in China Series C: Life Sciences</i> , 2006, 49, 1-8.	1.3	48
12	Role of Nesfatin-1 in the Reproductive Axis of Male Rat. <i>Scientific Reports</i> , 2016, 6, 32877.	1.6	46
13	Efficient Reprogramming of Na ⁺ -Like Induced Pluripotent Stem Cells from Porcine Adipose-Derived Stem Cells with a Feeder-Independent and Serum-Free System. <i>PLoS ONE</i> , 2014, 9, e85089.	1.1	45
14	Genome-Wide Dynamic Profiling of Histone Methylation during Nuclear Transfer-Mediated Porcine Somatic Cell Reprogramming. <i>PLoS ONE</i> , 2015, 10, e0144897.	1.1	41
15	Simplified cryopreservation of porcine cloned blastocysts. <i>Cryobiology</i> , 2007, 54, 181-187.	0.3	39
16	DNA Methylation Patterns in the Hypothalamus of Female Pubertal Goats. <i>PLoS ONE</i> , 2016, 11, e0165327.	1.1	37
17	Piglets Born from Vitrified Cloned Blastocysts Produced with a Simplified Method of Delipation and Nuclear Transfer. <i>Cloning and Stem Cells</i> , 2007, 9, 469-476.	2.6	35
18	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.	1.1	34

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19	Effects of Ghrelin on In Vitro Development of Porcine In Vitro Fertilized and Parthenogenetic Embryos. <i>Journal of Reproduction and Development</i> , 2007, 53, 647-653.	0.5	32
20	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
21	Aminopeptidase N-null neonatal piglets are protected from transmissible gastroenteritis virus but not porcine epidemic diarrhea virus. <i>Scientific Reports</i> , 2019, 9, 13186.	1.6	31
22	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.	0.6	29
23	Dynamic changes of histone H3 lysine 27 acetylation in pre-implantational pig embryos derived from somatic cell nuclear transfer. <i>Animal Reproduction Science</i> , 2014, 148, 153-163.	0.5	29
24	Effect of vitamin C on growth of caprine spermatogonial stem cells in vitro. <i>Theriogenology</i> , 2014, 81, 545-555.	0.9	29
25	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.	1.7	29
26	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.	1.1	28
27	Exploring differentially expressed genes in the ovaries of uniparous and multiparous goats using the RNA-Seq (Quantification) method. <i>Gene</i> , 2014, 550, 148-153.	1.0	28
28	All-trans retinoic acid improves goat oocyte nuclear maturation and reduces apoptotic cumulus cells during in vitro maturation. <i>Animal Science Journal</i> , 2014, 85, 833-839.	0.6	28
29	Efficiency of Two Enucleation Methods Connected to Handmade Cloning to Produce Transgenic Porcine Embryos. <i>Reproduction in Domestic Animals</i> , 2009, 44, 122-127.	0.6	27
30	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.	0.5	27
31	Effects of melatonin on maturation, histone acetylation, autophagy of porcine oocytes and subsequent embryonic development. <i>Animal Science Journal</i> , 2017, 88, 1298-1310.	0.6	26
32	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.	1.1	25
33	Cell-cycle synchronization of fibroblasts derived from transgenic cloned cattle ear skin: effects of serum starvation, roscovitine and contact inhibition. <i>Zygote</i> , 2008, 16, 111-116.	0.5	24
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	Production of porcine cloned transgenic embryos expressing green fluorescent protein by somatic cell nuclear transfer. <i>Science in China Series C: Life Sciences</i> , 2006, 49, 164-71.	1.3	21
36	In vitro developmental competence of pig nuclear transferred embryos: effects of GFP transfection, refrigeration, cell cycle synchronization and shapes of donor cells. <i>Zygote</i> , 2006, 14, 239-247.	0.5	21

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37	Generation of pluripotent stem cells via protein transduction. <i>International Journal of Developmental Biology</i> , 2014, 58, 21-27.	0.3	20
38	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.	1.0	18
39	Identification of suitable endogenous control genes for quantitative RT-PCR analysis of miRNA in bovine solid tissues. <i>Molecular Biology Reports</i> , 2014, 41, 6475-6480.	1.0	18
40	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.	0.5	18
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.	1.2	18
42	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.	1.4	18
43	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.	1.4	18
44	Effects of chemically defined medium on early development of porcine embryos derived from parthenogenetic activation and cloning. <i>Zygote</i> , 2012, 20, 229-236.	0.5	17
45	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.	0.8	16
46	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.	1.6	16
47	METTL3-mediated m6A methylation negatively modulates autophagy to support porcine blastocyst development. <i>Biology of Reproduction</i> , 2021, 104, 1008-1021.	1.2	16
48	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.	1.0	15
49	Maternal Yes-Associated Protein Participates in Porcine Blastocyst Development via Modulation of Trophectoderm Epithelium Barrier Function. <i>Cells</i> , 2019, 8, 1606.	1.8	15
50	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.	0.5	15
51	Fibroblast cell line establishment, cryopreservation and interspecies embryos reconstruction in red panda (<i>Ailurus fulgens</i>). <i>Zygote</i> , 2009, 17, 117-124.	0.5	14
52	Effects of vitamin C on characteristics retaining of in vitro-cultured mouse adipose-derived stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2014, 50, 75-86.	0.7	14
53	Immunization of dogs with recombinant GnRH-1 suppresses the development of reproductive function. <i>Theriogenology</i> , 2015, 83, 314-319.	0.9	14
54	Membrane receptor-independent inhibitory effect of melatonin on androgen production in porcine theca cells. <i>Theriogenology</i> , 2018, 118, 63-71.	0.9	13

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55	Melatonin improves developmental competence of oocyte-granulosa cell complexes from porcine preantral follicles. <i>Theriogenology</i> , 2019, 133, 149-158.	0.9	13
56	Cumulus cell-derived and maternal SIRT6 differentially regulates porcine oocyte meiotic maturation. <i>Theriogenology</i> , 2020, 142, 158-168.	0.9	13
57	Proteomic analysis of healthy and atretic porcine follicular granulosa cells. <i>Journal of Proteomics</i> , 2021, 232, 104027.	1.2	13
58	DOT1L inhibitor improves early development of porcine somatic cell nuclear transfer embryos. <i>PLoS ONE</i> , 2017, 12, e0179436.	1.1	13
59	Effect of estrogen on the expression of GnRH and kisspeptin in the hypothalamus of rats during puberty. <i>Theriogenology</i> , 2015, 84, 1556-1564.	0.9	12
60	Cloned pigs derived from somatic cell nuclear transfer embryos cultured in vitro at low oxygen tension. <i>Science Bulletin</i> , 2006, 51, 839-844.	4.3	11
61	SCNT versus iPSCs: proteins and small molecules in reprogramming. <i>International Journal of Developmental Biology</i> , 2015, 59, 179-186.	0.3	11
62	CLAUDIN7 modulates trophoblast barrier function to maintain blastocyst development in pigs. <i>Theriogenology</i> , 2020, 158, 346-357.	0.9	10
63	Immunization of Male Mice with a New Recombinant GnRH Fusion Protein Reduces the Testicular Function. <i>Agricultural Sciences in China</i> , 2009, 8, 380-385.	0.6	9
64	Vitrification of murine mature metaphase II oocytes perturbs DNA methylation reprogramming during preimplantation embryo development. <i>Cryobiology</i> , 2019, 87, 91-98.	0.3	9
65	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.	0.1	9
66	Ultrastructural changes in goat interspecies and intraspecies reconstructed early embryos. <i>Zygote</i> , 2008, 16, 93-110.	0.5	8
67	Measurement of the biophysical properties of porcine adipose-derived stem cells by a microperfusion system. <i>Cryobiology</i> , 2014, 69, 442-450.	0.3	8
68	Characterization of porcine partially reprogrammed iPSCs from adipose-derived stem cells. <i>Reproduction</i> , 2015, 149, 485-496.	1.1	8
69	Anti-Müllerian hormone inhibits luteinizing hormone-induced androstenedione synthesis in porcine theca cells. <i>Theriogenology</i> , 2020, 142, 421-432.	0.9	8
70	Maternal histone acetyltransferase KAT8 is required for porcine preimplantation embryo development. <i>Oncotarget</i> , 2017, 8, 90250-90261.	0.8	8
71	Proteomic analysis of hypothalamus in prepubertal and pubertal female goat. <i>Journal of Proteomics</i> , 2022, 251, 104411.	1.2	8
72	The <i>PLAG1</i> mRNA expression analysis among genetic variants and relevance to growth traits in Chinese cattle. <i>Animal Biotechnology</i> , 2020, 31, 504-511.	0.7	7

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73	Expression Analysis of Circular RNAs in Young and Sexually Mature Boar Testes. <i>Animals</i> , 2021, 11, 1430.	1.0	7
74	HASPIN kinase mediates histone deacetylation to regulate oocyte meiotic maturation in pigs. <i>Reproduction</i> , 2019, 157, 501-510.	1.1	7
75	Advanced methods of isolation and identification of porcine primordial follicles. <i>Animal Reproduction Science</i> , 2007, 101, 163-171.	0.5	6
76	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.	1.1	6
77	Identification of Valid Housekeeping Genes for Real-Time Quantitative PCR Analysis of Collapsed Lung Tissues of Neonatal Somatic Cell Nuclear Transfer-Derived Cattle. <i>Cellular Reprogramming</i> , 2015, 17, 360-367.	0.5	6
78	Growth performance, reproductive traits and offspring survivability of genetically modified rams overexpressing toll-like receptor 4. <i>Theriogenology</i> , 2017, 96, 103-110.	0.9	6
79	Aging adult porcine fibroblasts can support nuclear transfer and transcription factor-mediated reprogramming. <i>Animal Science Journal</i> , 2018, 89, 289-297.	0.6	6
80	Integrated Analysis of Long Non-Coding RNA and mRNA Expression Profiles in Testes of Calves and Sexually Mature Wandong Bulls (<i>Bos taurus</i>). <i>Animals</i> , 2021, 11, 2006.	1.0	6
81	Paraquat exposure impairs porcine oocyte meiotic maturation. <i>Theriogenology</i> , 2022, 179, 60-68.	0.9	6
82	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.	0.6	5
83	Stimulatory effects of NESFATIN1 on meiotic and developmental competence of porcine oocytes. <i>Journal of Cellular Physiology</i> , 2019, 234, 17767-17774.	2.0	5
84	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.	1.1	5
85	MicroRNA-378 regulates adipogenic differentiation in bovine intramuscular preadipocytes by targeting <i>CaMKK2</i> . <i>Adipocyte</i> , 2021, 10, 483-492.	1.3	5
86	Effect of Epigallocatechin-3-Gallate on the In Vitro Developmental Potential of Porcine Oocytes and Embryos Obtained Parthenogenetically and By Somatic Cell Nuclear Transfer. <i>Italian Journal of Animal Science</i> , 2014, 13, 3116.	0.8	4
87	Production of porcine aminopeptidase N (<i>pAPN</i>) site-specific edited pigs. <i>Animal Science Journal</i> , 2019, 90, 366-371.	0.6	4
88	Effect of GABA-T on Reproductive Function in Female Rats. <i>Animals</i> , 2020, 10, 567.	1.0	4
89	Knockdown of <i>Ptprn-2</i> delays the onset of puberty in female rats. <i>Theriogenology</i> , 2021, 176, 137-148.	0.9	4
90	Circular RNA Expression and Regulation Profiling in Testicular Tissues of Immature and Mature Wandong Cattle (<i>Bos taurus</i>). <i>Frontiers in Genetics</i> , 2021, 12, 685541.	1.1	4

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91	Effect of follistatin on pre-implantational development of pig parthenogenetic embryos. <i>Animal Science Journal</i> , 2018, 89, 316-327.	0.6	3
92	Histone Arginine Methyltransferase CARM1-Mediated H3R26me2 Is Essential for Morula-to-Blastocyst Transition in Pigs. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 678282.	1.8	3
93	34 PIGLETS BORN FROM HANDMADE CLONING. <i>Reproduction, Fertility and Development</i> , 2007, 19, 135.	0.1	3
94	Vitrification of Pronuclear Zygotes Perturbs Porcine Zygotic Genome Activation. <i>Animals</i> , 2022, 12, 610.	1.0	3
95	The association between testicular ghrelin receptor mRNA and serum testosterone levels in immunocastrated boars. <i>Animal Reproduction Science</i> , 2012, 135, 62-67.	0.5	2
96	Immunization against recombinant GnRH-I alters ultrastructure of gonadotropin cell in an experimental boar model. <i>Reproductive Biology and Endocrinology</i> , 2013, 11, 63.	1.4	2
97	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.	1.0	2
98	Addition of L-Cysteine and Vitamin E to Semen Diluent Enhances Freeze-thawed Spermatozoa Characteristics in Crossbred Cattle Bulls under Subtropical Environment. <i>Pakistan Journal of Zoology</i> , 2021, 53, .	0.1	2
99	Chromatin remodeler INO80 mediates trophoctoderm permeability barrier to modulate morula-to-blastocyst transition. <i>Zoological Research</i> , 2021, 42, 562-573.	0.9	2
100	SIN3A Regulates Porcine Early Embryonic Development by Modulating CCNB1 Expression. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 604232.	1.8	2
101	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.	0.5	1
102	Human exhaled air can efficiently support in vitro maturation of porcine oocytes and subsequent early embryonic development. <i>Animal Reproduction</i> , 2017, 15, 29-38.	0.4	1
103	Oocyte and ovary morphological observation of gray wolf (<i>Canis lupus</i>). <i>Animal Biology</i> , 2010, 60, 249-257.	0.6	0
104	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.	0.8	0
105	The integrity of the acrosome affects the fertility of frozen boar semen. <i>Theriogenology</i> , 2019, 137, 128.	0.9	0
106	198 BENEFICIAL EFFECT OF GHRELIN ON IN VITRO DEVELOPMENT OF PORCINE IN VITRO-FERTILIZED AND PARTHENOGENETIC EMBRYOS. <i>Reproduction, Fertility and Development</i> , 2007, 19, 215.	0.1	0
107	88 CELL CYCLE SYNCHRONIZATION OF FIBROBLASTS DERIVED FROM TRANSGENIC CLONED CATTLE EAR SKIN: EFFECTS OF SERUM STARVATION, ROSCOVITINE, AND CONTACT INHIBITION. <i>Reproduction, Fertility and Development</i> , 2007, 19, 161.	0.1	0
108	133 EFFECTS OF FROZEN STORED CULTURE MEDIA ON PRE-IMPLANTATION DEVELOPMENT OF PARTHENOTES AND CLONED EMBRYOS IN PIGS. <i>Reproduction, Fertility and Development</i> , 2009, 21, 166.	0.1	0

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109	Generation of Induced Pluripotent Stem Cells From Porcine Fibroblasts*. Progress in Biochemistry and Biophysics, 2010, 37, 607-612.	0.3	0
110	The Histological Structure and Location of Substance P in the Digestive Tract of the Siberian Tiger (<i>Panthera tigris altaica</i>). Journal of Animal and Veterinary Advances, 2012, 11, 735-741.	0.1	0
111	Generation of Porcine iPS Cells From Fetal Fibroblasts by Lentivirus Without Dified Factors. Acta Agronomica Sinica(China), 2013, 40, 57.	0.1	0
112	Construction of multiple shRNA vectors targeting PEDV and TGEV and production of transgenic SCNT porcine embryos in vitro. Frontiers of Agricultural Science and Engineering, 2019, 6, 66.	0.9	0