

Gengyuan Cai

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,148
citations

471371

17
h-index

454834

30
g-index

62
all docs

62
docs citations

62
times ranked

1075
citing authors

#	ARTICLE	IF	CITATIONS
1	ITGB6 inhibits the proliferation of porcine skeletal muscle satellite cells. <i>Cell Biology International</i> , 2022, 46, 96-105.	1.4	2
2	Porcine uterine luminal fluid-derived extracellular vesicles improve conceptus-endometrial interaction during implantation. <i>Theriogenology</i> , 2022, 178, 8-17.	0.9	20
3	Neuronatin gene expression levels affect foetal growth and development by regulating glucose transport in porcine placenta. <i>Gene</i> , 2022, 809, 146051.	1.0	5
4	Estimates of Variance Components and Heritability Using Random Regression Models for Semen Traits in Boars. <i>Frontiers in Genetics</i> , 2022, 13, 805651.	1.1	1
5	Urinary metabolomics reveals the biological characteristics of early pregnancy in pigs. <i>Porcine Health Management</i> , 2022, 8, 14.	0.9	1
6	Dynamic miRNA Landscape Links Mammary Gland Development to the Regulation of Milk Protein Expression in Mice. <i>Animals</i> , 2022, 12, 727.	1.0	4
7	Runs of Homozygosity Uncover Potential Functional-Altering Mutation Associated With Body Weight and Length in Two Duroc Pig Lines. <i>Frontiers in Veterinary Science</i> , 2022, 9, 832633.	0.9	9
8	Ferroptosis-related genes involved in animal reproduction: An Overview. <i>Theriogenology</i> , 2022, 184, 92-99.	0.9	7
9	iTRAQ-based quantitative proteomic analysis of porcine uterine fluid during pre-implantation period of pregnancy. <i>Journal of Proteomics</i> , 2022, 261, 104570.	1.2	4
10	Non-Coding RNAs Regulate Spontaneous Abortion: A Global Network and System Perspective. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4214.	1.8	6
11	A Nectin1 Mutant Mouse Model Is Resistant to Pseudorabies Virus Infection. <i>Viruses</i> , 2022, 14, 874.	1.5	3
12	Comprehensive Analysis of Long Noncoding RNA Modified by m6A Methylation in Oxidative and Glycolytic Skeletal Muscles. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4600.	1.8	6
13	Identification of Homozygous Regions With Adverse Effects on the Five Economic Traits of Duroc Pigs. <i>Frontiers in Veterinary Science</i> , 2022, 9, 855933.	0.9	3
14	Brain Transcriptome Analysis Reveals Potential Transcription Factors and Biological Pathways Associated with Feed Efficiency in Commercial DLY Pigs. <i>DNA and Cell Biology</i> , 2021, 40, 272-282.	0.9	7
15	Weighted Single-Step GWAS Identified Candidate Genes Associated with Growth Traits in a Duroc Pig Population. <i>Genes</i> , 2021, 12, 117.	1.0	22
16	Global Transcriptomic Analyses Reveal Genes Involved in Conceptus Development During the Implantation Stages in Pigs. <i>Frontiers in Genetics</i> , 2021, 12, 584995.	1.1	10
17	Knockdown of RLIM inhibits XIST expression and improves developmental competence of cloned male pig embryos. <i>Molecular Reproduction and Development</i> , 2021, 88, 228-237.	1.0	1
18	Genome-wide detection of CNV regions and their potential association with growth and fatness traits in Duroc pigs. <i>BMC Genomics</i> , 2021, 22, 332.	1.2	25

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19	Integrated Insight into the Molecular Mechanisms of Spontaneous Abortion during Early Pregnancy in Pigs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6644.	1.8	9
20	Using nontargeted LC-MS metabolomics to identify the Association of Biomarkers in pig feces with feed efficiency. <i>Porcine Health Management</i> , 2021, 7, 39.	0.9	11
21	Accelerated deciphering of the genetic architecture of agricultural economic traits in pigs using a low-coverage whole-genome sequencing strategy. <i>GigaScience</i> , 2021, 10, .	3.3	34
22	Genome-Wide Association Study for Body Length, Body Height, and Total Teat Number in Large White Pigs. <i>Frontiers in Genetics</i> , 2021, 12, 650370.	1.1	12
23	Genomic Analyses Revealed the Genetic Difference and Potential Selection Genes of Growth Traits in Two Duroc Lines. <i>Frontiers in Veterinary Science</i> , 2021, 8, 725367.	0.9	16
24	Dihydromyricetin resists inflammation-induced muscle atrophy via ryanodine receptor-CaMK-AMPK signal pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 9953-9971.	1.6	13
25	Genome-Wide Detection of Genetic Loci and Candidate Genes for Body Conformation Traits in Duroc × Yorkshire Crossbred Pigs. <i>Frontiers in Genetics</i> , 2021, 12, 664343.	1.1	19
26	Dihydromyricetin Ameliorates Inflammation-Induced Insulin Resistance via Phospholipase C-CaMK-AMPK Signal Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	17
27	Haplotype genomic prediction of phenotypic values based on chromosome distance and gene boundaries using low-coverage sequencing in Duroc pigs. <i>Genetics Selection Evolution</i> , 2021, 53, 78.	1.2	12
28	Interleukin 17D Enhances the Developmental Competence of Cloned Pig Embryos by Inhibiting Apoptosis and Promoting Embryonic Genome Activation. <i>Animals</i> , 2021, 11, 3062.	1.0	1
29	Genome-Wide Analysis of H3K27me3 in Porcine Embryonic Muscle Development. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 739321.	1.8	5
30	Genome-Wide Association Analysis Reveals Genetic Loci and Candidate Genes for Chest, Abdominal, and Waist Circumferences in Two Duroc Pig Populations. <i>Frontiers in Veterinary Science</i> , 2021, 8, 807003.	0.9	7
31	Assessment of Heterozygosity and Genome-Wide Analysis of Heterozygosity Regions in Two Duroc Pig Populations. <i>Frontiers in Genetics</i> , 2021, 12, 812456.	1.1	8
32	Identification and Expression Pattern of EZH2 in Pig Developing Fetuses. <i>BioMed Research International</i> , 2020, 2020, 1-10.	0.9	3
33	Assessment of the Growth and Reproductive Performance of Cloned Pietrain Boars. <i>Animals</i> , 2020, 10, 2053.	1.0	5
34	Expression Pattern of Seminal Plasma Extracellular Vesicle Small RNAs in Boar Semen. <i>Frontiers in Veterinary Science</i> , 2020, 7, 585276.	0.9	19
35	Genome-wide association analyses identify known and novel loci for teat number in Duroc pigs using single-locus and multi-locus models. <i>BMC Genomics</i> , 2020, 21, 344.	1.2	43
36	Deep-Sequencing Identification of MicroRNA Biomarkers in Serum Exosomes for Early Pig Pregnancy. <i>Frontiers in Genetics</i> , 2020, 11, 536.	1.1	20

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37	Source and Follicular Fluid Treatment During the <i>In Vitro</i> Maturation of Recipient Oocytes Affects the Development of Cloned Pig Embryo. <i>Cellular Reprogramming</i> , 2020, 22, 71-81.	0.5	8
38	Metagenomic Characterization of Intestinal Regions in Pigs With Contrasting Feed Efficiency. <i>Frontiers in Microbiology</i> , 2020, 11, 32.	1.5	54
39	The pathophysiological changes associated with neonatal death of cloned pigs. <i>Reproduction</i> , 2020, 160, 193-203.	1.1	2
40	Identification of Important Proteins and Pathways Affecting Feed Efficiency in DLY Pigs by iTRAQ-Based Proteomic Analysis. <i>Animals</i> , 2020, 10, 189.	1.0	6
41	Overexpression of MBD3 Improves Reprogramming of Cloned Pig Embryos. <i>Cellular Reprogramming</i> , 2019, 21, 221-228.	0.5	5
42	Single-Locus and Multi-Locus Genome-Wide Association Studies for Intramuscular Fat in Duroc Pigs. <i>Frontiers in Genetics</i> , 2019, 10, 619.	1.1	47
43	Cloned pig fetuses exhibit fatty acid deficiency from impaired placental transport. <i>Molecular Reproduction and Development</i> , 2019, 86, 1569-1581.	1.0	7
44	Study on Hematological and Biochemical Characters of Cloned Duroc Pigs and Their Progeny. <i>Animals</i> , 2019, 9, 912.	1.0	9
45	Improvement of developmental competence of cloned male pig embryos by short hairpin ribonucleic acid (shRNA) vector-based but not small interfering RNA (siRNA)-mediated RNA interference (RNAi) of <i>Xist</i> expression. <i>Journal of Reproduction and Development</i> , 2019, 65, 533-539.	0.5	10
46	Exploring the Fecal Microbial Composition and Metagenomic Functional Capacities Associated With Feed Efficiency in Commercial DLY Pigs. <i>Frontiers in Microbiology</i> , 2019, 10, 52.	1.5	77
47	Meta-analysis of genome-wide association studies for loin muscle area and loin muscle depth in two Duroc pig populations. <i>PLoS ONE</i> , 2019, 14, e0218263.	1.1	29
48	Characterization and comparative analyses of transcriptomes of cloned and <i>in vivo</i> fertilized porcine pre-implantation embryos. <i>Biology Open</i> , 2019, 8, .	0.6	8
49	Comparison of Carcass Traits, Meat Quality, and Chemical Composition of Tissues from Progeny Derived from Cloned and Noncloned Pigs. <i>Cellular Reprogramming</i> , 2019, 21, 296-300.	0.5	2
50	Genome-Wide Analysis of Circular RNAs Mediated ceRNA Regulation in Porcine Embryonic Muscle Development. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 289.	1.8	40
51	Identification of amniotic fluid metabolomic and placental transcriptomic changes associated with abnormal development of cloned pig fetuses. <i>Molecular Reproduction and Development</i> , 2019, 86, 278-291.	1.0	27
52	Transgenic pigs expressing β -xylanase in the parotid gland improve nutrient utilization. <i>Transgenic Research</i> , 2019, 28, 189-198.	1.3	7
53	CD163 knockout pigs are fully resistant to highly pathogenic porcine reproductive and respiratory syndrome virus. <i>Antiviral Research</i> , 2018, 151, 63-70.	1.9	110
54	A global comparison of the microbiome compositions of three gut locations in commercial pigs with extreme feed conversion ratios. <i>Scientific Reports</i> , 2018, 8, 4536.	1.6	121

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55	Genetic Architecture of Feeding Behavior and Feed Efficiency in a Duroc Pig Population. <i>Frontiers in Genetics</i> , 2018, 9, 220.	1.1	105
56	Maternal dietary supplementation of arginine increases the ratio of total cloned piglets born to total transferred cloned embryos by improving the pregnancy rate of recipient sows. <i>Animal Reproduction Science</i> , 2018, 196, 211-218.	0.5	5
57	Production of functional human nerve growth factor from the saliva of transgenic mice by using salivary glands as bioreactors. <i>Scientific Reports</i> , 2017, 7, 41270.	1.6	8
58	Mutation of the <i>XIST</i> gene upregulates expression of X-linked genes but decreases the developmental rates of cloned male porcine embryos. <i>Molecular Reproduction and Development</i> , 2017, 84, 525-534.	1.0	4
59	Birth weight, umbilical and placental traits in relation to neonatal loss in cloned pigs. <i>Placenta</i> , 2017, 57, 94-101.	0.7	21
60	Genome-wide association analysis reveals genetic loci and candidate genes for feeding behavior and eating efficiency in Duroc boars. <i>PLoS ONE</i> , 2017, 12, e0183244.	1.1	34
61	Novel antiviral effect of lithium chloride on mammalian orthoreoviruses in vitro. <i>Microbial Pathogenesis</i> , 2016, 93, 152-157.	1.3	12