

Ming-Xing Chu

List of Publications by Year in descending order

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65
papers

1,295
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361413

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74
docs citations

74
times ranked

694
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in BMPR-IB and BMP-15 genes are associated with litter size in Small Tailed Han sheep (Ovis) Tj ETQq1 1 0,784314 rgBT /Over	0.5	149
2	Whole-genome sequences of 89 Chinese sheep suggest role of RXFP2 in the development of unique horn phenotype as response to semi-feralization. GigaScience, 2018, 7, .	6.4	90
3	Polymorphisms of coding region of BMPR-IB gene and their relationship with litter size in sheep. Molecular Biology Reports, 2011, 38, 4071-4076.	2.3	69
4	Polymorphisms of caprine GDF9 gene and their association with litter size in Jining Grey goats. Molecular Biology Reports, 2011, 38, 5189-5197.	2.3	66
5	Characterization and comparative profiling of ovarian microRNAs during ovine anestrus and the breeding season. BMC Genomics, 2014, 15, 899.	2.8	42
6	Identification and characterization of mRNAs and lncRNAs in the uterus of polytocous and monotocous Small Tail Han sheep (<i>Ovis aries</i>). PeerJ, 2019, 7, e6938.	2.0	40
7	GDF9 as a candidate gene for prolificacy of Small Tail Han sheep. Molecular Biology Reports, 2011, 38, 5199-5204.	2.3	37
8	Comparative Transcriptomics Identify Key Hypothalamic Circular RNAs that Participate in Sheep (Ovis) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.3	34
9	Association between Melatonin Receptor 1A Gene and Expression of Reproductive Seasonality in Sheep. Asian-Australasian Journal of Animal Sciences, 2006, 19, 1079-1084.	2.4	34
10	Metabolic Effects of FecB Gene on Follicular Fluid and Ovarian Vein Serum in Sheep (Ovis aries). International Journal of Molecular Sciences, 2018, 19, 539.	4.1	30
11	Expression Analysis of the Prolific Candidate Genes, BMPR1B, BMP15, and GDF9 in Small Tail Han Ewes with Three Fecundity (FecB Gene) Genotypes. Animals, 2018, 8, 166.	2.3	29
12	Association between PCR-RFLP of Melatonin Receptor 1a Gene and High Prolificacy in Small Tail Han Sheep. Asian-Australasian Journal of Animal Sciences, 2003, 16, 1701-1704.	2.4	28
13	The genetic mechanism of high prolificacy in small tail han sheep by comparative proteomics of ovaries in the follicular and luteal stages. Journal of Proteomics, 2019, 204, 103394.	2.4	27
14	Progress on major genes for high fecundity in ewes. Frontiers of Agricultural Science and Engineering, 2014, 1, 282.	1.4	26
15	Polymorphism of 5â€² regulatory region of ovine FSHR gene and its association with litter size in Small Tail Han sheep. Molecular Biology Reports, 2012, 39, 3721-3725.	2.3	25
16	Comparative Transcriptomics Reveal Key Sheep (Ovis aries) Hypothalamus LncRNAs that Affect Reproduction. Animals, 2019, 9, 152.	2.3	24
17	Combined approaches to reveal genes associated with litter size in Yunshang black goats. Animal Genetics, 2020, 51, 924-934.	1.7	24
18	Comprehensive Analysis of Differentially Expressed Profiles of mRNA, lncRNA, and circRNA in the Uterus of Seasonal Reproduction Sheep. Genes, 2020, 11, 301.	2.4	24

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19	Association between expression of reproductive seasonality and alleles of melatonin receptor 1A in goats. <i>Animal Reproduction Science</i> , 2007, 101, 276-284.	1.5	23
20	Genome-wide association study of body weight and conformation traits in neonatal sheep. <i>Animal Genetics</i> , 2020, 51, 336-340.	1.7	23
21	Genetic Signatures of Selection for Cashmere Traits in Chinese Goats. <i>Animals</i> , 2020, 10, 1905.	2.3	21
22	Integrated Hypothalamic Transcriptome Profiling Reveals the Reproductive Roles of mRNAs and miRNAs in Sheep. <i>Frontiers in Genetics</i> , 2019, 10, 1296.	2.3	21
23	Polymorphism Detection of GDF9 Gene and Its Association with Litter Size in Luzhong Mutton Sheep (<i>Ovis aries</i>). <i>Animals</i> , 2021, 11, 571.	2.3	21
24	Identification of genes associated with litter size combining genomic approaches in Luzhong mutton sheep. <i>Animal Genetics</i> , 2021, 52, 545-549.	1.7	20
25	Effects of FecB Mutation on Estrus, Ovulation, and Endocrine Characteristics in Small Tail Han Sheep. <i>Frontiers in Veterinary Science</i> , 2021, 8, 709737.	2.2	20
26	Single Nucleotide Polymorphisms in the HIRA Gene Affect Litter Size in Small Tail Han Sheep. <i>Animals</i> , 2018, 8, 71.	2.3	19
27	Single nucleotide polymorphisms in BMP2 and BMP7 and the association with litter size in Small Tail Han sheep. <i>Animal Reproduction Science</i> , 2019, 204, 183-192.	1.5	19
28	Polymorphisms of the melatonin receptor 1A gene that affects the reproductive seasonality and litter size in Small Tail Han sheep. <i>Reproduction in Domestic Animals</i> , 2019, 54, 1400-1410.	1.4	18
29	The expression and mutation of <i>BMPR1B</i> and its association with litter size in small-tail Han sheep (<i>Ovis aries</i>). <i>Archives Animal Breeding</i> , 2021, 64, 211-221.	1.4	18
30	Predictive potential of microsatellite markers on heterosis of fecundity in crossbred sheep. <i>Molecular Biology Reports</i> , 2012, 39, 2761-2766.	2.3	16
31	Genome-wide selection signatures analysis of litter size in Dazu black goats using single-nucleotide polymorphism. <i>3 Biotech</i> , 2019, 9, 336.	2.2	16
32	Transcriptome Analysis Reveals Differentially Expressed Genes and Long Non-coding RNAs Associated With Fecundity in Sheep Hypothalamus With Different FecB Genotypes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 633747.	3.7	15
33	Differential Expression of Circular RNAs in Polytocous and Monotocous Uterus during the Reproductive Cycle of Sheep. <i>Animals</i> , 2019, 9, 797.	2.3	14
34	Genome-Wide Analyses Reveal Genetic Convergence of Prolificacy between Goats and Sheep. <i>Genes</i> , 2021, 12, 480.	2.4	13
35	Photoperiod induced the pituitary differential regulation of lncRNAs and mRNAs related to reproduction in sheep. <i>PeerJ</i> , 2021, 9, e10953.	2.0	12
36	<i>TGIF1</i> and <i>SF1</i> polymorphisms are associated with litter size in Small Tail Han sheep. <i>Reproduction in Domestic Animals</i> , 2020, 55, 1145-1153.	1.4	10

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37	Identification of Photoperiod-Induced LncRNAs and mRNAs in Pituitary Pars Tuberalis of Sheep. <i>Frontiers in Veterinary Science</i> , 2021, 8, 644474.	2.2	10
38	Hypothalamic Transcriptome Analysis Reveals the Crucial MicroRNAs and mRNAs Affecting Litter Size in Goats. <i>Frontiers in Veterinary Science</i> , 2021, 8, 747100.	2.2	10
39	Transcriptomic Changes of Photoperiodic Response in the Hypothalamus Were Identified in Ovariectomized and Estradiol-Treated Sheep. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 848144.	3.5	10
40	Molecular cloning and epigenetic change detection of <i>Kiss1</i> during seasonal reproduction in Chinese indigenous sheep. <i>Reproduction, Fertility and Development</i> , 2018, 30, 734.	0.4	9
41	Single Nucleotide Polymorphisms in <i>SLC5A1</i> , <i>CCNA1</i> , and <i>ABCC1</i> and the Association with Litter Size in Small-Tail Han Sheep. <i>Animals</i> , 2019, 9, 432.	2.3	9
42	<i>Lin28</i> gene and mammalian puberty. <i>Molecular Reproduction and Development</i> , 2020, 87, 525-533.	2.0	9
43	Exploring the roles of fecundity-related long non-coding RNAs and mRNAs in the adrenal glands of small-tailed Han Sheep. <i>BMC Genetics</i> , 2020, 21, 39.	2.7	9
44	Litter Size of Sheep (<i>Ovis aries</i>): Inbreeding Depression and Homozygous Regions. <i>Genes</i> , 2021, 12, 109.	2.4	9
45	Detection of Novel Variations Related to Litter Size in <i>BMP15</i> Gene of Luzhong Mutton Sheep (<i>Ovis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	2.3	9
46	Polymorphism, expression and structure analysis of key genes in the ovarian steroidogenesis pathway in sheep (<i>Ovis aries</i>). <i>Veterinary Medicine and Science</i> , 2021, 7, 1303-1315.	1.6	8
47	Genome-wide scan for runs of homozygosity identifies candidate genes in Wannan Black pigs. <i>Animal Bioscience</i> , 2021, 34, 1895-1902.	2.0	8
48	Genome-wide association study and inbreeding depression on body size traits in Qira black sheep (<i>Ovis</i>) Tj ETQq0.0 0 rgBT /Overlock	1.7	8
49	Transcriptome Analysis of Neuroendocrine Regulation of Ovine Hypothalamus-Pituitary-Ovary Axis during Ovine Anestrus and the Breeding Season. <i>Genes</i> , 2021, 12, 1861.	2.4	8
50	Luzhong mutton sheep: inbreeding and selection signatures. <i>Journal of Animal Science and Technology</i> , 2020, 62, 777-789.	2.5	7
51	Pineal gland transcriptomic profiling reveals the differential regulation of lncRNA and mRNA related to prolificacy in STH sheep with two <i>FecB</i> genotypes. <i>BMC Genomic Data</i> , 2021, 22, 9.	1.7	6
52	Cashmere growth control in Liaoning cashmere goat by ovarian carcinoma immunoreactive antigen-like protein 2 and decorin genes. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 650-657.	2.4	6
53	Analysis on cDNA sequence, alternative splicing and polymorphisms associated with timing of puberty of <i>Lin28B</i> gene in goats. <i>Molecular Biology Reports</i> , 2013, 40, 4675-4683.	2.3	5
54	Analysis of Expression Profiles of CircRNA and MiRNA in Oviduct during the Follicular and Luteal Phases of Sheep with Two Fecundity (<i>FecB</i> Gene) Genotypes. <i>Animals</i> , 2021, 11, 2826.	2.3	5

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55	The effect of SNP rs400827589 in exon 2 of the MTNR1B gene on reproductive seasonality and litter size in sheep. <i>Veterinary Medicine and Science</i> , 2020, 6, 804-812.	1.6	4
56	Comparison of expression patterns of six canonical clock genes of follicular phase and luteal phase in Small-tailed Han sheep. <i>Archives Animal Breeding</i> , 2021, 64, 457-466.	1.4	4
57	Thyroid Transcriptomic Profiling Reveals the Follicular Phase Differential Regulation of lncRNA and mRNA Related to Prolificacy in Small Tail Han Sheep with Two FecB Genotypes. <i>Genes</i> , 2022, 13, 849.	2.4	4
58	Integrated Analysis of mRNAs and Long Non-Coding RNAs Expression of Oviduct That Provides Novel Insights into the Prolificacy Mechanism of Goat (<i>Capra hircus</i>). <i>Genes</i> , 2022, 13, 1031.	2.4	4
59	Screening of Differentially Expressed Genes and miRNAs in Hypothalamus and Pituitary Gland of Sheep under Different Photoperiods. <i>Genes</i> , 2022, 13, 1091.	2.4	4
60	Combined approaches identify known and novel genes associated with sheep litter size and non-seasonal breeding. <i>Animal Genetics</i> , 2021, 52, 857-867.	1.7	3
61	Transcriptome Analysis Revealed Long Non-Coding RNAs Associated with mRNAs in Sheep Thyroid Gland under Different Photoperiods. <i>Genes</i> , 2022, 13, 606.	2.4	3
62	Effect of Upregulation of Transcription Factor TFDP1 Binding Promoter Activity Due to RBP4 g.36491960G>C Mutation on the Proliferation of Goat Granulosa Cells. <i>Cells</i> , 2022, 11, 2148.	4.1	3
63	Single-nucleotide polymorphisms in <i>FLT3</i> , <i>NLRP5</i> , and <i>TGIF1</i> are associated with litter size in Small-tailed Han sheep. <i>Archives Animal Breeding</i> , 2021, 64, 475-486.	1.4	2
64	Genome-Wide Selective Analysis of Boer Goat to Investigate the Dynamic Heredity Evolution under Different Stages. <i>Animals</i> , 2022, 12, 1356.	2.3	2
65	Expression and functional analysis of the Follistatin-like 3 (FSTL3) gene in the sheep ovary during the oestrous cycle. <i>Reproduction in Domestic Animals</i> , 2021, 56, 427-436.	1.4	1