

Yachun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,533
citations

361296

20
h-index

377752

34
g-index

76
all docs

76
docs citations

76
times ranked

1687
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of single-trait and multiple-trait genomic prediction models. <i>BMC Genetics</i> , 2014, 15, 30.	2.7	152
2	Genome-Wide Transcriptional and Post-transcriptional Regulation of Innate Immune and Defense Responses of Bovine Mammary Gland to <i>Staphylococcus aureus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 193.	1.8	96
3	Genome-wide association study in Chinese Holstein cows reveal two candidate genes for somatic cell score as an indicator for mastitis susceptibility. <i>BMC Genetics</i> , 2015, 16, 111.	2.7	94
4	Species composition and environmental adaptation of indigenous Chinese cattle. <i>Scientific Reports</i> , 2017, 7, 16196.	1.6	83
5	Nutritional Physiology and Biochemistry of Dairy Cattle under the Influence of Heat Stress: Consequences and Opportunities. <i>Animals</i> , 2020, 10, 793.	1.0	64
6	Evaluation of heat stress effects on cellular and transcriptional adaptation of bovine granulosa cells. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 25.	2.1	53
7	Strong and stable geographic differentiation of swamp buffalo maternal and paternal lineages indicates domestication in the China/Indochina border region. <i>Molecular Ecology</i> , 2016, 25, 1530-1550.	2.0	49
8	Dairy cow reproduction under the influence of heat stress. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 978-986.	1.0	48
9	Genome-wide Association Studies for Female Fertility Traits in Chinese and Nordic Holsteins. <i>Scientific Reports</i> , 2017, 7, 8487.	1.6	45
10	Glucose Metabolism and Dynamics of Facilitative Glucose Transporters (GLUTs) under the Influence of Heat Stress in Dairy Cattle. <i>Metabolites</i> , 2020, 10, 312.	1.3	43
11	Improvement of genomic prediction by integrating additional single nucleotide polymorphisms selected from imputed whole genome sequencing data. <i>Heredity</i> , 2020, 124, 37-49.	1.2	33
12	Association of bovine CD4 and STAT5 single nucleotide polymorphisms with somatic cell scores and milk production traits in Chinese Holsteins. <i>Journal of Dairy Research</i> , 2011, 78, 242-249.	0.7	32
13	Genetic Diversity and Signatures of Selection for Thermal Stress in Cattle and Other Two Bos Species Adapted to Divergent Climatic Conditions. <i>Frontiers in Genetics</i> , 2021, 12, 604823.	1.1	29
14	Genetic effects of single nucleotide polymorphisms in JAK2 and STAT5A genes on susceptibility of Chinese Holsteins to mastitis. <i>Molecular Biology Reports</i> , 2014, 41, 8293-8301.	1.0	27
15	The Association Between Inflammaging and Age-Related Changes in the Ruminal and Fecal Microbiota Among Lactating Holstein Cows. <i>Frontiers in Microbiology</i> , 2019, 10, 1803.	1.5	27
16	Identification of novel molecular markers of mastitis caused by <i>Staphylococcus aureus</i> using gene expression profiling in two consecutive generations of Chinese Holstein dairy cattle. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 98.	2.1	26
17	Mortality-Culling Rates of Dairy Calves and Replacement Heifers and Its Risk Factors in Holstein Cattle. <i>Animals</i> , 2019, 9, 730.	1.0	25
18	Polymorphisms in Epigenetic and Meat Quality Related Genes in Fourteen Cattle Breeds and Association with Beef Quality and Carcass Traits. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 467-475.	2.4	24

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19	Variance components and correlations of female fertility traits in Chinese Holstein population. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 56.	2.1	24
20	Detection of functional polymorphisms in the hsp70 gene and association with cold stress response in Inner-Mongolia Sanhe cattle. <i>Cell Stress and Chaperones</i> , 2019, 24, 409-418.	1.2	23
21	Genome-wide association studies identified multiple genetic loci for body size at four growth stages in Chinese Holstein cattle. <i>PLoS ONE</i> , 2017, 12, e0175971.	1.1	23
22	Genome-wide DNA methylation pattern in a mouse model reveals two novel genes associated with <i>Staphylococcus aureus</i> mastitis. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 203-211.	2.4	23
23	Incorporating temperament traits in dairy cattle breeding programs: challenges and opportunities in the phenomics era. <i>Animal Frontiers</i> , 2020, 10, 29-36.	0.8	22
24	A novel method for rapid and reliable detection of complex vertebral malformation and bovine leukocyte adhesion deficiency in Holstein cattle. <i>Journal of Animal Science and Biotechnology</i> , 2012, 3, 24.	2.1	21
25	Genome-wide association study of <i>Mycobacterium avium</i> subspecies Paratuberculosis infection in Chinese Holstein. <i>BMC Genomics</i> , 2018, 19, 972.	1.2	20
26	Folic acid supplementation regulates milk production variables, metabolic associated genes and pathways in perinatal Holsteins. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 483-492.	1.0	19
27	Genomic analyses and biological validation of candidate genes for rectal temperature as an indicator of heat stress in Holstein cattle. <i>Journal of Dairy Science</i> , 2021, 104, 4441-4451.	1.4	19
28	Comparative Transcriptome Analysis Reveals Early Pregnancy-Specific Genes Expressed in Peripheral Blood of Pregnant Sows. <i>PLoS ONE</i> , 2014, 9, e114036.	1.1	19
29	Identification of key Genes and Pathways Associated With Thermal Stress in Peripheral Blood Mononuclear Cells of Holstein Dairy Cattle. <i>Frontiers in Genetics</i> , 2021, 12, 662080.	1.1	18
30	Folic acid supplementation regulates key immunity-associated genes and pathways during the periparturient period in dairy cows. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 1507-1519.	2.4	16
31	Regulation of AMH, AMHR-II, and BMPs (2,6) Genes of Bovine Granulosa Cells Treated with Exogenous FSH and Their Association with Protein Hormones. <i>Genes</i> , 2019, 10, 1038.	1.0	15
32	Corticosterone tissue-specific response in Sprague Dawley rats under acute heat stress. <i>Journal of Thermal Biology</i> , 2019, 81, 12-19.	1.1	13
33	Genotype-by-environment interaction in Holstein heifer fertility traits using single-step genomic reaction norm models. <i>BMC Genomics</i> , 2021, 22, 193.	1.2	13
34	Transcriptome Reveals Granulosa Cells Coping through Redox, Inflammatory and Metabolic Mechanisms under Acute Heat Stress. <i>Cells</i> , 2022, 11, 1443.	1.8	13
35	Technical note: Development and application of KASP assays for rapid screening of 8 genetic defects in Holstein cattle. <i>Journal of Dairy Science</i> , 2020, 103, 619-624.	1.4	12
36	Genome-wide association study for genotype by lactation stage interaction of milk production traits in dairy cattle. <i>Journal of Dairy Science</i> , 2020, 103, 5234-5245.	1.4	12

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37	Cellular and Molecular Adaptation of Bovine Granulosa Cells and Oocytes under Heat Stress. <i>Animals</i> , 2020, 10, 110.	1.0	12
38	Genetic Parameters and Genome-Wide Association Studies of Eight Longevity Traits Representing Either Full or Partial Lifespan in Chinese Holsteins. <i>Frontiers in Genetics</i> , 2021, 12, 634986.	1.1	12
39	Investigating the Short-Term Effects of Cold Stress on Metabolite Responses and Metabolic Pathways in Inner-Mongolia Sanhe Cattle. <i>Animals</i> , 2021, 11, 2493.	1.0	12
40	Major Nutritional Metabolic Alterations Influencing the Reproductive System of Postpartum Dairy Cows. <i>Metabolites</i> , 2022, 12, 60.	1.3	12
41	Investigation of Metabolome Underlying the Biological Mechanisms of Acute Heat Stressed Granulosa Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2146.	1.8	12
42	Novel SNPs in IL-17F and IL-17A genes associated with somatic cell count in Chinese Holstein and Inner-Mongolia Sanhe cattle. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 5.	2.1	11
43	Association Analysis of Polymorphisms in the 5' Flanking Region of the HSP70 Gene with Blood Biochemical Parameters of Lactating Holstein Cows under Heat and Cold Stress. <i>Animals</i> , 2020, 10, 2016.	1.0	11
44	Weighted single-step genomic best linear unbiased prediction integrating variants selected from sequencing data by association and bioinformatics analyses. <i>Genetics Selection Evolution</i> , 2020, 52, 48.	1.2	11
45	Heat Stress Impairs the Physiological Responses and Regulates Genes Coding for Extracellular Exosomal Proteins in Rat. <i>Genes</i> , 2020, 11, 306.	1.0	11
46	Comprehensive RNA-Seq Profiling Reveals Temporal and Tissue-Specific Changes in Gene Expression in Sprague-Dawley Rats as Response to Heat Stress Challenges. <i>Frontiers in Genetics</i> , 2021, 12, 651979.	1.1	11
47	Divergence Analyses of Sperm DNA Methylomes between Monozygotic Twin AI Bulls. <i>Epigenomes</i> , 2019, 3, 21.	0.8	10
48	Thioredoxin-interacting protein regulates glucose metabolism and improves the intracellular redox state in bovine oocytes during in vitro maturation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E405-E416.	1.8	10
49	Genetic parameters of hair cortisol as an indicator of chronic stress under different environments in Holstein cows. <i>Journal of Dairy Science</i> , 2021, 104, 6985-6999.	1.4	10
50	The Effect of Integrating Genomic Information into Genetic Evaluations of Chinese Merino Sheep. <i>Animals</i> , 2020, 10, 569.	1.0	9
51	Characterization of the Microbial Communities along the Gastrointestinal Tract in Crossbred Cattle. <i>Animals</i> , 2022, 12, 825.	1.0	9
52	Genetic and Genomic Analyses of Service Sire Effect on Female Reproductive Traits in Holstein Cattle. <i>Frontiers in Genetics</i> , 2021, 12, 713575.	1.1	8
53	Screening for JH1 genetic defect carriers in Jersey cattle by a polymerase chain reaction and restriction fragment length polymorphism assay. <i>Journal of Veterinary Diagnostic Investigation</i> , 2015, 27, 596-599.	0.5	7
54	Genetic parameters for dairy calf and replacement heifer wellness traits and their association with cow longevity and health indicators in Holstein cattle. <i>Journal of Dairy Science</i> , 2022, 105, 6749-6759.	1.4	7

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55	Genome-wide association study identifies QTLs for displacement of abomasum in Chinese Holstein cattle. <i>Journal of Animal Science</i> , 2019, 97, 1133-1142.	0.2	6
56	RNAi-Mediated Silencing of Catalase Gene Promotes Apoptosis and Impairs Proliferation of Bovine Granulosa Cells under Heat Stress. <i>Animals</i> , 2020, 10, 1060.	1.0	6
57	Genomic Selection for Milk Production Traits in Xinjiang Brown Cattle. <i>Animals</i> , 2022, 12, 136.	1.0	6
58	SOD1 Gene Silencing Promotes Apoptosis and Suppresses Proliferation of Heat-Stressed Bovine Granulosa Cells via Induction of Oxidative Stress. <i>Veterinary Sciences</i> , 2021, 8, 326.	0.6	6
59	Joint Transcriptome and Metabolome Analysis Preveils the Biological Mechanisms Underlying the Pro-Survival Fight in In Vitro Heat-Stressed Granulosa Cells. <i>Biology</i> , 2022, 11, 839.	1.3	6
60	Automated monitoring of seasonal and diurnal variation of rumination behaviour: Insights into thermotolerance management of Holstein cows. <i>Biosystems Engineering</i> , 2022, 223, 115-128.	1.9	5
61	Testing Two Somatic Cell Count Cutoff Values for Bovine Subclinical Mastitis Detection Based on Milk Microbiota and Peripheral Blood Leukocyte Transcriptome Profile. <i>Animals</i> , 2022, 12, 1694.	1.0	5
62	Genome-wide identification and functional prediction of long non-coding RNAs in Sprague-Dawley rats during heat stress. <i>BMC Genomics</i> , 2021, 22, 122.	1.2	4
63	Phenotypic and genetic effects of season on milk production traits in dairy cattle in the Netherlands. <i>Journal of Dairy Science</i> , 2021, 104, 4486-4497.	1.4	4
64	Polymorphisms in JAK2 Gene are Associated with Production Traits and Mastitis Resistance in Dairy Cattle. <i>Annals of Animal Science</i> , 2020, 20, 409-423.	0.6	4
65	Analysis of Genomic Alternative Splicing Patterns in Rat under Heat Stress Based on RNA-Seq Data. <i>Genes</i> , 2022, 13, 358.	1.0	4
66	Association of Aberrant DNA Methylation Level in the CD4 and JAK-STAT-Pathway-Related Genes with Mastitis Indicator Traits in Chinese Holstein Dairy Cattle. <i>Animals</i> , 2022, 12, 65.	1.0	4
67	Imputation for sequencing variants preselected to a customized low-density chip. <i>Scientific Reports</i> , 2020, 10, 9524.	1.6	2
68	299 Genetic analysis of temperament and its correlation with production, reproduction, type, health and longevity in Chinese Holstein. <i>Journal of Animal Science</i> , 2020, 98, 29-30.	0.2	0
69	PSX-39 Late-Breaking Abstract: Characterization of epigenetic and transcriptional landscape in heat stressed rats using ATAC-seq and RNA-seq. <i>Journal of Animal Science</i> , 2020, 98, 353-354.	0.2	0
70	Direct sequencing of DNA pooling for screening highly informative SNPs in dairy cattle. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2014, 36, 691-6.	0.1	0
71	Identification of functional features underlying heat stress response in Sprague-Dawley rats using mixed linear models. <i>Scientific Reports</i> , 2022, 12, 7671.	1.6	0