

Klaus Wimmers

List of Publications by Year in descending order

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325
papers

6,273
citations

94269

37
h-index

155451

55
g-index

330
all docs

330
docs citations

330
times ranked

5883
citing authors

#	ARTICLE	IF	CITATIONS
1	Empirical Evaluation of Genetic Clustering Methods Using Multilocus Genotypes From 20 Chicken Breeds. <i>Genetics</i> , 2001, 159, 699-713.	1.2	306
2	A genome scan reveals QTL for growth, fatness, leanness and meat quality in a Duroc-Pietrain resource population. <i>Animal Genetics</i> , 2007, 38, 241-252.	0.6	136
3	Genetic distinctness of African, Asian and South American local chickens. <i>Animal Genetics</i> , 2000, 31, 159-165.	0.6	105
4	Isolation and characterization of 18 microsatellites in the Peking duck (<i>Anas platyrhynchos</i>) and their application in other waterfowl species. <i>Molecular Ecology Notes</i> , 2003, 3, 224-227.	1.7	81
5	Trait correlated expression combined with expression QTL analysis reveals biological pathways and candidate genes affecting water holding capacity of muscle. <i>BMC Genomics</i> , 2008, 9, 367.	1.2	80
6	Relationship between myosin heavy chain isoform expression and muscling in several diverse pig breeds. <i>Journal of Animal Science</i> , 2008, 86, 795-803.	0.2	79
7	Population structure and genetic diversity of 25 Russian sheep breeds based on whole-genome genotyping. <i>Genetics Selection Evolution</i> , 2018, 50, 29.	1.2	76
8	Transcriptome Profiling of Gill Tissue in Regionally Bred and Globally Farmed Rainbow Trout Strains Reveals Different Strategies for Coping with Thermal Stress. <i>Marine Biotechnology</i> , 2013, 15, 445-460.	1.1	75
9	QTL for microstructural and biophysical muscle properties and body composition in pigs. <i>BMC Genetics</i> , 2006, 7, 15.	2.7	74
10	Association of HPA axis-related genetic variation with stress reactivity and aggressive behaviour in pigs. <i>BMC Genetics</i> , 2010, 11, 74.	2.7	74
11	Identification of genes differentially expressed during prenatal development of skeletal muscle in two pig breeds differing in muscularity. <i>BMC Developmental Biology</i> , 2007, 7, 109.	2.1	71
12	Pig genome functional annotation enhances the biological interpretation of complex traits and human disease. <i>Nature Communications</i> , 2021, 12, 5848.	5.8	70
13	Pigs' aggressive temperament affects pre-slaughter mixing aggression, stress and meat quality. <i>Animal</i> , 2010, 4, 604-616.	1.3	69
14	Integrative approach using liver and duodenum RNA-Seq data identifies candidate genes and pathways associated with feed efficiency in pigs. <i>Scientific Reports</i> , 2018, 8, 558.	1.6	68
15	Associations of functional candidate genes derived from gene expression profiles of prenatal porcine muscle tissue with meat quality and muscle deposition. <i>Animal Genetics</i> , 2007, 38, 474-484.	0.6	66
16	Combined line-cross and half-sib QTL analysis in Duroc-Pietrain population. <i>Mammalian Genome</i> , 2008, 19, 429-438.	1.0	63
17	Maternal dietary protein restriction and excess affects offspring gene expression and methylation of non-SMC subunits of condensin I in liver and skeletal muscle. <i>Epigenetics</i> , 2012, 7, 239-252.	1.3	63
18	The genetics of feed conversion efficiency traits in a commercial broiler line. <i>Scientific Reports</i> , 2015, 5, 16387.	1.6	60

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19	Genomic selection using low density marker panels with application to a sire line in pigs. <i>Genetics Selection Evolution</i> , 2013, 45, 28.	1.2	58
20	High-density genotyping reveals signatures of selection related to acclimation and economically important traits in 15 local sheep breeds from Russia. <i>BMC Genomics</i> , 2019, 20, 294.	1.2	57
21	Exploring the genetics of feed efficiency and feeding behaviour traits in a pig line highly selected for performance characteristics. <i>Molecular Genetics and Genomics</i> , 2017, 292, 1001-1011.	1.0	56
22	RNA-seq of muscle from pigs divergent in feed efficiency and product quality identifies differences in immune response, growth, and macronutrient and connective tissue metabolism. <i>BMC Genomics</i> , 2018, 19, 791.	1.2	56
23	Advances in research on the prenatal development of skeletal muscle in animals in relation to the quality of muscle-based food. I. Regulation of myogenesis and environmental impact. <i>Animal</i> , 2011, 5, 703-717.	1.3	55
24	Correlated mRNAs and miRNAs from co-expression and regulatory networks affect porcine muscle and finally meat properties. <i>BMC Genomics</i> , 2013, 14, 533.	1.2	54
25	A Comparative Expression Analysis of Gene Transcripts in Post-fertilization Developmental Stages of Bovine Embryos Produced in Vitro or in Vivo. <i>Reproduction in Domestic Animals</i> , 2004, 39, 396-404.	0.6	53
26	Candidate gene markers for sperm quality and fertility of boar. <i>Animal Reproduction Science</i> , 2006, 92, 349-363.	0.5	48
27	Comparing Two Intestinal Porcine Epithelial Cell Lines (IPECs): Morphological Differentiation, Function and Metabolism. <i>PLoS ONE</i> , 2015, 10, e0132323.	1.1	48
28	Integrating expression profiling and whole-genome association for dissection of fat traits in a porcine model. <i>Journal of Lipid Research</i> , 2011, 52, 668-678.	2.0	46
29	MicroRNAs Regulate Cellular ATP Levels by Targeting Mitochondrial Energy Metabolism Genes during C2C12 Myoblast Differentiation. <i>PLoS ONE</i> , 2015, 10, e0127850.	1.1	44
30	Microarray-based transcriptional profiling of <i>Eimeria bovis</i> -infected bovine endothelial host cells. <i>Veterinary Research</i> , 2010, 41, 70.	1.1	44
31	Differential Expression of miRNAs and Their Target mRNAs in Endometria Prior to Maternal Recognition of Pregnancy Associates with Endometrial Receptivity for In Vivo- and In Vitro-Produced Bovine Embryos ¹ . <i>Biology of Reproduction</i> , 2014, 91, 135.	1.2	43
32	Genetic aspects of feed efficiency and reduction of environmental footprint in broilers: a review. <i>Journal of Applied Genetics</i> , 2017, 58, 487-498.	1.0	43
33	Possible Molecular Mechanisms by Which an Essential Oil Blend from Star Anise, Rosemary, Thyme, and Oregano and Saponins Increase the Performance and Ileal Protein Digestibility of Growing Broilers. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6821-6830.	2.4	43
34	RNA-Seq of Liver From Pigs Divergent in Feed Efficiency Highlights Shifts in Macronutrient Metabolism, Hepatic Growth and Immune Response. <i>Frontiers in Genetics</i> , 2019, 10, 117.	1.1	43
35	Whole genome population genetics analysis of Sudanese goats identifies regions harboring genes associated with major traits. <i>BMC Genomics</i> , 2017, 18, 92.	2.7	42
36	Discovery of Candidate Genes for Muscle Traits Based on GWAS Supported by eQTL-analysis. <i>International Journal of Biological Sciences</i> , 2014, 10, 327-337.	2.6	41

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37	Molecular Heterogeneities of Adipose Depots - Potential Effects on Adipose-Muscle Cross-Talk in Humans, Mice and Farm Animals. <i>Journal of Genomics</i> , 2014, 2, 31-44.	0.6	41
38	Expression Profiling of Muscle Reveals Transcripts Differentially Expressed in Muscle That Affect Water-Holding Capacity of Pork. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10311-10317.	2.4	40
39	Porcine muscle sensory attributes associate with major changes in gene networks involving CAPZB, ANKRD1, and CTBP2. <i>Functional and Integrative Genomics</i> , 2009, 9, 455-471.	1.4	39
40	Gene Expression and DNA-Methylation of Bovine Pretransfer Endometrium Depending on Its Receptivity after In Vitro-Produced Embryo Transfer. <i>PLoS ONE</i> , 2012, 7, e42402.	1.1	39
41	Identification of Common Regulators of Genes in Co-Expression Networks Affecting Muscle and Meat Properties. <i>PLoS ONE</i> , 2015, 10, e0123678.	1.1	39
42	A Substitution in the Ligand Binding Domain of the Porcine Glucocorticoid Receptor Affects Activity of the Adrenal Gland. <i>PLoS ONE</i> , 2012, 7, e45518.	1.1	38
43	Dietary protein restriction and excess of pregnant German Landrace sows induce changes in hepatic gene expression and promoter methylation of key metabolic genes in the offspring. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 484-495.	1.9	37
44	Polymorphisms in candidate genes as markers for sperm quality and boar fertility. <i>Animal Genetics</i> , 2005, 36, 152-155.	0.6	35
45	The Effect of Nitric Oxide Inhibition and Temporal Expression Patterns of the mRNA and Protein Products of Nitric Oxide Synthase Genes During In Vitro Development of Bovine Pre-implantation Embryos. <i>Reproduction in Domestic Animals</i> , 2006, 41, 501-509.	0.6	35
46	Pre- and postnatal hepatic gene expression profiles of two pig breeds differing in body composition: insight into pathways of metabolic regulation. <i>Physiological Genomics</i> , 2007, 29, 267-279.	1.0	35
47	Elucidating Molecular Networks That Either Affect or Respond to Plasma Cortisol Concentration in Target Tissues of Liver and Muscle. <i>Genetics</i> , 2012, 192, 1109-1122.	1.2	35
48	A Genome-Wide Association Study to Detect QTL for Commercially Important Traits in Swiss Large White Boars. <i>PLoS ONE</i> , 2013, 8, e55951.	1.1	35
49	Strategies towards Improved Feed Efficiency in Pigs Comprise Molecular Shifts in Hepatic Lipid and Carbohydrate Metabolism. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1674.	1.8	34
50	Whole-genome SNP analysis elucidates the genetic structure of Russian cattle and its relationship with Eurasian taurine breeds. <i>Genetics Selection Evolution</i> , 2018, 50, 37.	1.2	34
51	Population Structure and Genetic Diversity of Sheep Breeds in the Kyrgyzstan. <i>Frontiers in Genetics</i> , 2019, 10, 1311.	1.1	34
52	Bovine NALP5, NALP8, and NALP9 Genes: Assignment to a QTL Region and the Expression in Adult Tissues, Oocytes, and Preimplantation Embryos. <i>Biology of Reproduction</i> , 2006, 74, 577-584.	1.2	33
53	QTL for traits related to humoral immune response estimated from data of a porcine F2 resource population. <i>International Journal of Immunogenetics</i> , 2009, 36, 141-151.	0.8	33
54	Advances in research on the prenatal development of skeletal muscle in animals in relation to the quality of muscle-based food. II "Genetic factors related to animal performance and advances in methodology. <i>Animal</i> , 2011, 5, 718-730.	1.3	33

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55	Pre- and post-natal muscle microRNA expression profiles of two pig breeds differing in muscularity. <i>Gene</i> , 2015, 561, 190-198.	1.0	33
56	Identification of expression QTL (eQTL) of genes expressed in porcine <i>M. longissimus dorsi</i> and associated with meat quality traits. <i>BMC Genomics</i> , 2010, 11, 572.	1.2	32
57	Genome-wide association analysis and functional annotation of positional candidate genes for feed conversion efficiency and growth rate in pigs. <i>PLoS ONE</i> , 2017, 12, e0173482.	1.1	32
58	Analysis of meat quality traits and gene expression profiling of pigs divergent in residual feed intake. <i>Meat Science</i> , 2018, 137, 265-274.	2.7	32
59	Analysis of Candidate Genes for Growth and Milk Performance Traits in the Egyptian Barki Sheep. <i>Animals</i> , 2020, 10, 197.	1.0	32
60	Peptidylarginine deiminase gene is differentially expressed in freshwater and brackish water rainbow trout. <i>Molecular Biology Reports</i> , 2010, 37, 2333-2339.	1.0	31
61	Molecular genetic analysis of porcine mannose-binding lectin genes, MBL1 and MBL2, and their association with complement activity. <i>International Journal of Immunogenetics</i> , 2007, 34, 55-63.	0.8	30
62	Stage-specific expressed sequence tags obtained during preimplantation bovine development by differential display RT-PCR and suppression subtractive hybridization. <i>Prenatal Diagnosis</i> , 2002, 22, 1135-1142.	1.1	29
63	Integrated Genome-wide association and hypothalamus eQTL studies indicate a link between the circadian rhythm-related gene <i>PER1</i> and coping behavior. <i>Scientific Reports</i> , 2015, 5, 16264.	1.6	29
64	A naturally hypersensitive glucocorticoid receptor elicits a compensatory reduction of hypothalamusâ€“pituitaryâ€“adrenal axis activity early in ontogeny. <i>Open Biology</i> , 2016, 6, 150193.	1.5	29
65	Methylating micronutrient supplementation during pregnancy influences foetal hepatic gene expression and IGF signalling and increases foetal weight. <i>European Journal of Nutrition</i> , 2016, 55, 1717-1727.	1.8	29
66	Epigenome-wide skeletal muscle DNA methylation profiles at the background of distinct metabolic types and ryanodine receptor variation in pigs. <i>BMC Genomics</i> , 2019, 20, 492.	1.2	29
67	Functional genomics and genetical genomics approaches towards elucidating networks of genes affecting meat performance in pigs. <i>Briefings in Functional Genomics</i> , 2010, 9, 251-258.	1.3	28
68	Gene Regulation of Intestinal Porcine Epithelial Cells IPEC-J2 Is Dependent on the Site of Deoxynivalenol Toxicological Action. <i>PLoS ONE</i> , 2012, 7, e34136.	1.1	28
69	Association and expression quantitative trait loci (eQTL) analysis of porcine <i>AMBP</i> , <i>GC</i> and <i>PPP1R3B</i> genes with meat quality traits. <i>Molecular Biology Reports</i> , 2012, 39, 4809-4821.	1.0	28
70	Toward improved phosphorus efficiency in monogastricsâ€“interplay of serum, minerals, bone, and immune system after divergent dietary phosphorus supply in swine. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R917-R925.	0.9	28
71	Lower dietary phosphorus supply in pigs match both animal welfare aspects and resource efficiency. <i>Ambio</i> , 2018, 47, 20-29.	2.8	28
72	Genome wide association study of body weight and feed efficiency traits in a commercial broiler chicken population, a re-visitation. <i>Scientific Reports</i> , 2019, 9, 922.	1.6	28

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73	Effects of different laser-drilled openings in the zona pellucida on hatching of in vitro produced cattle blastocysts. <i>Fertility and Sterility</i> , 2003, 80, 714-719.	0.5	27
74	Microarray analysis reveals genes and functional networks relevant to the predisposition to inverted teats in pigs. <i>Journal of Animal Science</i> , 2012, 90, 1-15.	0.2	27
75	Muscle Transcriptional Profile Based on Muscle Fiber, Mitochondrial Respiratory Activity, and Metabolic Enzymes. <i>International Journal of Biological Sciences</i> , 2015, 11, 1348-1362.	2.6	27
76	Breed, Diet, and Interaction Effects on Adipose Tissue Transcriptome in Iberian and Duroc Pigs Fed Different Energy Sources. <i>Genes</i> , 2019, 10, 589.	1.0	27
77	Mapping of 93 porcine ESTs preferentially expressed in liver. <i>Mammalian Genome</i> , 2001, 12, 869-872.	1.0	26
78	SNP detection and genetic mapping of porcine genes encoding enzymes in hepatic metabolic pathways and evaluation of linkage with carcass traits. <i>Animal Genetics</i> , 2005, 36, 050912025950003-???	0.6	26
79	Dual effect of a single nucleotide polymorphism in the first intron of the porcine Secreted phosphoprotein 1 gene: allele-specific binding of C/EBP beta and activation of aberrant splicing. <i>BMC Molecular Biology</i> , 2009, 10, 96.	3.0	26
80	Mapping quantitative trait loci for innate immune response in the pig. <i>International Journal of Immunogenetics</i> , 2011, 38, 121-131.	0.8	26
81	Evidence for Effects of Testis and Epididymis Expressed Genes on Sperm Quality and Boar Fertility Traits. <i>Reproduction in Domestic Animals</i> , 2006, 41, 538-543.	0.6	25
82	Genetic Contribution to Variation in Blood Calcium, Phosphorus, and Alkaline Phosphatase Activity in Pigs. <i>Frontiers in Genetics</i> , 2019, 10, 590.	1.1	25
83	Detection of quantitative trait loci for carcass traits in the pig by using AFLP. <i>Mammalian Genome</i> , 2002, 13, 206-210.	1.0	24
84	Intrafallopian transfer of gametes and early stage embryos for in vivo culture in cattle. <i>Theriogenology</i> , 2005, 64, 30-40.	0.9	24
85	QTL for the heritable inverted teat defect in pigs. <i>Mammalian Genome</i> , 2008, 19, 127-138.	1.0	24
86	Somatic cytochrome c (CYCS) gene expression and promoter-specific DNA methylation in a porcine model of prenatal exposure to maternal dietary protein excess and restriction. <i>British Journal of Nutrition</i> , 2012, 107, 791-799.	1.2	24
87	Identification of functional candidate genes for body composition by expression analyses and evidencing impact by association analysis and mapping. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2005, 1730, 31-40.	2.4	23
88	Association of PPARGC1A and CAPNS1 gene polymorphisms and expression with meat quality traits in pigs. <i>Meat Science</i> , 2011, 89, 478-485.	2.7	23
89	Quantitative trait loci analysis for leg weakness-related traits in a Duroc × Pietrain crossbred population. <i>Genetics Selection Evolution</i> , 2011, 43, 13.	1.2	23
90	MicroRNA-mRNA regulatory networking fine-tunes the porcine muscle fiber type, muscular mitochondrial respiratory and metabolic enzyme activities. <i>BMC Genomics</i> , 2016, 17, 531.	1.2	23

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91	Differences between Holstein dairy cows in renal clearance rate of urea affect milk urea concentration and the relationship between milk urea and urinary nitrogen excretion. <i>Science of the Total Environment</i> , 2021, 755, 143198.	3.9	23
92	Four loci differentially expressed in muscle tissue depending on water-holding capacity are associated with meat quality in commercial pig herds. <i>Molecular Biology Reports</i> , 2010, 37, 595-601.	1.0	22
93	Polymorphism and expression of the porcine Tenascin C gene associated with meat and carcass quality. <i>Meat Science</i> , 2011, 89, 76-83.	2.7	22
94	A genetical genomics approach reveals new candidates and confirms known candidate genes for drip loss in a porcine resource population. <i>Mammalian Genome</i> , 2013, 24, 416-426.	1.0	22
95	Bridging Gaps in the Agricultural Phosphorus Cycle from an Animal Husbandry Perspective—The Case of Pigs and Poultry. <i>Sustainability</i> , 2018, 10, 1825.	1.6	22
96	Retrotransposons evolution and impact on lncRNA and protein coding genes in pigs. <i>Mobile DNA</i> , 2019, 10, 19.	1.3	22
97	Single- and Bayesian Multi-Marker Genome-Wide Association for Haematological Parameters in Pigs. <i>PLoS ONE</i> , 2016, 11, e0159212.	1.1	22
98	Selection signatures in two oldest Russian native cattle breeds revealed using high-density single nucleotide polymorphism analysis. <i>PLoS ONE</i> , 2020, 15, e0242200.	1.1	22
99	Molecular characterization of the pig C3 gene and its association with complement activity. <i>Immunogenetics</i> , 2003, 54, 714-724.	1.2	21
100	Gene expression profiling of porcine mammary epithelial cells after challenge with <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> in vitro. <i>Veterinary Research</i> , 2015, 46, 50.	1.1	21
101	Transcriptome analysis of adipose tissue from pigs divergent in feed efficiency reveals alteration in gene networks related to adipose growth, lipid metabolism, extracellular matrix, and immune response. <i>Molecular Genetics and Genomics</i> , 2019, 294, 395-408.	1.0	21
102	SINE jumping contributes to large-scale polymorphisms in the pig genomes. <i>Mobile DNA</i> , 2021, 12, 17.	1.3	21
103	The Fight-Or-Flight Response Is Associated with PBMC Expression Profiles Related to Immune Defence and Recovery in Swine. <i>PLoS ONE</i> , 2015, 10, e0120153.	1.1	21
104	Annotation and <i>in silico</i> localization of the Affymetrix GeneChip Porcine Genome Array. <i>Archives Animal Breeding</i> , 2010, 53, 230-238.	0.5	20
105	A source for expression profiling in single preimplantation bovine embryos. <i>Theriogenology</i> , 2002, 57, 1611-1624.	0.9	19
106	Identification of differentially expressed protective genes in liver of two rainbow trout strains. <i>Veterinary Immunology and Immunopathology</i> , 2012, 145, 305-315.	0.5	19
107	Gene expression profile of <i>Musculus longissimus dorsi</i> in bulls of a Charolais × Holstein F ₂ -cross with divergent intramuscular fat content. <i>Genomics Data</i> , 2016, 7, 131-133.	1.3	19
108	Air-liquid interface enhances oxidative phosphorylation in intestinal epithelial cell line IPEC-J2. <i>Cell Death Discovery</i> , 2017, 3, 17001.	2.0	19

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109	Expression of homeobox-containing genes in cDNA libraries derived from cattle oocytes and preimplantation stage embryo. <i>Molecular Reproduction and Development</i> , 2001, 60, 297-301.	1.0	18
110	Identification and quantification of differentially expressed transcripts in in vitro-produced bovine preimplantation stage embryos. <i>Molecular Reproduction and Development</i> , 2003, 66, 105-114.	1.0	18
111	Quantitative expression analysis of blastocyst-derived gene transcripts in preimplantation developmental stages of in vitro-produced bovine embryos using real-time polymerase chain reaction technology. <i>Reproduction, Fertility and Development</i> , 2004, 16, 753.	0.1	18
112	Characterization of Dehydrodolichyl diphosphate synthase gene in rainbow trout (<i>Oncorhynchus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 260-265.	0.7	18
113	MARCH5 gene is duplicated in rainbow trout, but only fish-specific gene copy is up-regulated after VHSV infection. <i>Fish and Shellfish Immunology</i> , 2011, 31, 1041-1050.	1.6	18
114	Application of differential display RT-PCR to identify porcine liver ESTs. <i>Gene</i> , 2001, 280, 75-85.	1.0	17
115	Expression of Retinoid X Receptor Transcripts and their Significance for Developmental Competence in In Vitro-produced Pre-implantation-stage Bovine Embryos. <i>Reproduction in Domestic Animals</i> , 2005, 40, 177-183.	0.6	17
116	Molecular characterization and evidencing of the porcine CRH gene as a functional-positional candidate for growth and body composition. <i>Biochemical and Biophysical Research Communications</i> , 2006, 342, 394-405.	1.0	17
117	Transcriptional profiling and miRNA-dependent regulatory network analysis of longissimus dorsi muscle during prenatal and adult stages in two distinct pig breeds. <i>Animal Genetics</i> , 2013, 44, 398-407.	0.6	17
118	Genome-Wide Association Identifies TBX5 as Candidate Gene for Osteochondrosis Providing a Functional Link to Cartilage Perfusion as Initial Factor. <i>Frontiers in Genetics</i> , 2013, 4, 78.	1.1	17
119	A study based on records taken at time of hoof trimming reveals a strong association between the IQ motif-containing GTPase-activating protein 1 (IQGAP1) gene and sole hemorrhage in Holstein cattle. <i>Journal of Dairy Science</i> , 2014, 97, 507-519.	1.4	17
120	Genetics of body fat mass and related traits in a pig population selected for leanness. <i>Scientific Reports</i> , 2017, 7, 9118.	1.6	17
121	DNA methylation analysis of porcine mammary epithelial cells reveals differentially methylated loci associated with immune response against <i>Escherichia coli</i> challenge. <i>BMC Genomics</i> , 2019, 20, 623.	1.2	17
122	A High Protein Diet during Pregnancy Affects Hepatic Gene Expression of Energy Sensing Pathways along Ontogenesis in a Porcine Model. <i>PLoS ONE</i> , 2011, 6, e21691.	1.1	17
123	Brief communication. Comparison of multilocus DNA fingerprints and microsatellites in an estimate of genetic distance in chicken. , 1999, 90, 656-659.		16
124	Expression of the Prion Protein Gene (PRNP) and Cellular Prion Protein (PrPc) in Cattle and Sheep Fetuses and Maternal Tissues During Pregnancy. <i>Gene Expression</i> , 2006, 13, 283-297.	0.5	16
125	Mapping of quantitative trait loci for mycoplasma and tetanus antibodies and interferon-gamma in a porcine F2 Duroc—Pietrain resource population. <i>Mammalian Genome</i> , 2010, 21, 409-418.	1.0	16
126	Differential mRNA expression of genes in the porcine adrenal gland associated with psychosocial stress. <i>Journal of Molecular Endocrinology</i> , 2011, 46, 165-174.	1.1	16

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127	A low protein diet during pregnancy provokes a lasting shift of hepatic expression of genes related to cell cycle throughout ontogenesis in a porcine model. <i>BMC Genomics</i> , 2012, 13, 93.	1.2	16
128	Transcript variants of the porcine glucocorticoid receptor gene (NR3C1). <i>General and Comparative Endocrinology</i> , 2013, 189, 127-133.	0.8	16
129	Transcriptomic Response of Porcine PBMCs to Vaccination with Tetanus Toxoid as a Model Antigen. <i>PLoS ONE</i> , 2013, 8, e58306.	1.1	16
130	Mitochondrial-nuclear crosstalk, haplotype and copy number variation distinct in muscle fiber type, mitochondrial respiratory and metabolic enzyme activities. <i>Scientific Reports</i> , 2017, 7, 14024.	1.6	16
131	Physiological and Transcriptional Responses in Weaned Piglets Fed Diets with Varying Phosphorus and Calcium Levels. <i>Nutrients</i> , 2019, 11, 436.	1.7	16
132	Phytate Degradation, Transcellular Mineral Transporters, and Mineral Utilization by Two Strains of Laying Hens as Affected by Dietary Phosphorus and Calcium. <i>Animals</i> , 2020, 10, 1736.	1.0	16
133	Molecular cloning and sequencing of porcine C5 gene and its association with immunological traits. <i>Immunogenetics</i> , 2004, 55, 811-817.	1.2	15
134	Transcript Profiles of Some Developmentally Important Genes Detected in Bovine Oocytes and In Vitro-produced Blastocysts Using RNA Amplification and cDNA Microarrays. <i>Reproduction in Domestic Animals</i> , 2006, 41, 527-534.	0.6	15
135	Deoxynivalenol affects the composition of the basement membrane proteins and influences en route the migration of CD16+ cells into the intestinal epithelium. <i>Mycotoxin Research</i> , 2013, 29, 245-254.	1.3	15
136	Genome-wide association analysis for growth, muscularity and meat quality in PiÃ©train pigs. <i>Animal Genetics</i> , 2014, 45, 350-356.	0.6	15
137	Altered incubation temperatures between embryonic Days 7 and 13 influence the weights and the mitochondrial respiratory and enzyme activities in breast and leg muscles of broiler embryos. <i>Molecular Reproduction and Development</i> , 2016, 83, 71-78.	1.0	15
138	Transcriptome profiling of <i>Musculus longissimus dorsi</i> in two cattle breeds with different intramuscular fat deposition. <i>Genomics Data</i> , 2016, 7, 109-111.	1.3	15
139	Detection of pig genome regions determining production traits using an information theory approach. <i>Livestock Science</i> , 2017, 205, 31-35.	0.6	15
140	Lowered dietary phosphorus affects intestinal and renal gene expression to maintain mineral homeostasis with immunomodulatory implications in weaned piglets. <i>BMC Genomics</i> , 2018, 19, 207.	1.2	15
141	Phytate degradation, myo-inositol release, and utilization of phosphorus and calcium by two strains of laying hens in five production periods. <i>Poultry Science</i> , 2020, 99, 6797-6808.	1.5	15
142	Host-Microbiota Interactions in Ileum and Caecum of Pigs Divergent in Feed Efficiency Contribute to Nutrient Utilization. <i>Microorganisms</i> , 2020, 8, 563.	1.6	15
143	Prenatal Skeletal Muscle Transcriptome Analysis Reveals Novel MicroRNA-mRNA Networks Associated with Intrauterine Growth Restriction in Pigs. <i>Cells</i> , 2021, 10, 1007.	1.8	15
144	A Natural Mutation in Helix 5 of the Ligand Binding Domain of Glucocorticoid Receptor Enhances Receptor-Ligand Interaction. <i>PLoS ONE</i> , 2016, 11, e0164628.	1.1	15

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145	Maternal influences on litter size and growth in reciprocal crossed Miniature Pigs and Durocs. <i>Archives Animal Breeding</i> , 1999, 42, 83-92.	0.5	15
146	Association of the FADS2 Gene with ω -6 and ω -3 PUFA Concentration in the Egg Yolk of Japanese Quail. <i>Animal Biotechnology</i> , 2007, 18, 189-201.	0.7	14
147	Expression of the porcine α 2-adrenergic receptor beta 2 gene in longissimus dorsi muscle is affected by cis-regulatory DNA variation. <i>Animal Genetics</i> , 2009, 40, 80-89.	0.6	14
148	Transcriptional response of skeletal muscle to a low-protein gestation diet in porcine offspring accumulates in growth- and cell cycle-regulating pathways. <i>Physiological Genomics</i> , 2012, 44, 811-818.	1.0	14
149	Identification of novel putative adipomyokines by a cross-species annotation of secretomes and expression profiles. <i>Archives of Physiology and Biochemistry</i> , 2015, 121, 194-205.	1.0	14
150	Genetic architecture and regulatory impact on hepatic microRNA expression linked to immune and metabolic traits. <i>Open Biology</i> , 2017, 7, 170101.	1.5	14
151	Implication of transcriptome profiling of spermatozoa for stallion fertility. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1087.	0.1	14
152	Transcriptome Responses to Dexamethasone Depending on Dose and Glucocorticoid Receptor Sensitivity in the Liver. <i>Frontiers in Genetics</i> , 2019, 10, 559.	1.1	14
153	Cross-talk between energy metabolism and epigenetics during temperature stress response in C2C12 myoblasts. <i>International Journal of Hyperthermia</i> , 2019, 36, 775-783.	1.1	14
154	Tissue-Wide Gene Expression Analysis of Sodium/Phosphate Co-Transporters in Pigs. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5576.	1.8	14
155	Methane prediction based on individual or groups of milk fatty acids for dairy cows fed rations with or without linseed. <i>Journal of Dairy Science</i> , 2019, 102, 1788-1802.	1.4	14
156	Identification of the Key Molecular Drivers of Phosphorus Utilization Based on Host miRNA-mRNA and Gut Microbiome Interactions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2818.	1.8	14
157	Structural and functional genomics to elucidate the genetic background of microstructural and biophysical muscle properties in the pig. <i>Journal of Animal Breeding and Genetics</i> , 2007, 124, 27-34.	0.8	13
158	Identification of candidate genes for congenital splay leg in piglets by alternative analysis of DNA microarray data. <i>International Journal of Biological Sciences</i> , 2009, 5, 331-337.	2.6	13
159	KRT8, FAF1 and PTH1R gene polymorphisms are associated with leg weakness traits in pigs. <i>Molecular Biology Reports</i> , 2013, 40, 2859-2866.	1.0	13
160	PBMC Transcription Profiles of Pigs with Divergent Humoral Immune Responses and Lean Growth Performance. <i>International Journal of Biological Sciences</i> , 2013, 9, 907-916.	2.6	13
161	Breed-specific transcriptome response of spleen from six to eight week old piglet after infection with <i>Streptococcus suis</i> type 2. <i>Molecular Biology Reports</i> , 2014, 41, 7865-7873.	1.0	13
162	Genetically regulated hepatic transcripts and pathways orchestrate haematological, biochemical and body composition traits. <i>Scientific Reports</i> , 2016, 6, 39614.	1.6	13

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163	TRIENNIAL GROWTH AND DEVELOPMENT SYMPOSIUM: Factors influencing bovine intramuscular adipose tissue development and cellularity. <i>Journal of Animal Science</i> , 2017, 95, 2244-2254.	0.2	13
164	MicroRNA expression profiling of porcine mammary epithelial cells after challenge with <i>Escherichia coli</i> in vitro. <i>BMC Genomics</i> , 2017, 18, 660.	1.2	13
165	miRNAs regulate acute transcriptional changes in broiler embryos in response to modification of incubation temperature. <i>Scientific Reports</i> , 2018, 8, 11371.	1.6	13
166	Effects of excessive or restricted phosphorus and calcium intake during early life on markers of bone architecture and composition in pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, 105, 52-62.	1.0	13
167	Evaluation of genetic variation within and between different chicken lines by DNA fingerprinting. , 1998, 89, 17-23.		12
168	Expression quantitative trait loci analysis of genes in porcine muscle by quantitative real-time RT-PCR compared to microarray data. <i>Heredity</i> , 2010, 105, 309-317.	1.2	12
169	Investigation on interferon alpha-inducible protein 6 (IFI6) gene as a candidate for meat and carcass quality in pig. <i>Meat Science</i> , 2011, 88, 755-760.	2.7	12
170	Association and expression study of MMP3, TGF β 21 and COL10A1 as candidate genes for leg weakness-related traits in pigs. <i>Molecular Biology Reports</i> , 2012, 39, 3893-3901.	1.0	12
171	Transcriptional shifts account for divergent resource allocation in feed efficient broiler chickens. <i>Scientific Reports</i> , 2018, 8, 12903.	1.6	12
172	SNP-Based Genotyping Provides Insight Into the West Asian Origin of Russian Local Goats. <i>Frontiers in Genetics</i> , 2021, 12, 708740.	1.1	12
173	Porcine ESTs detected by differential display representing possible candidates for the trait 'eye muscle area'. <i>Journal of Animal Breeding and Genetics</i> , 2000, 117, 25-35.	0.8	11
174	Expression of microRNAs is not related to increased expression of ZDHHC9 in hind leg muscles of splay leg piglets. <i>Molecular and Cellular Probes</i> , 2010, 24, 32-37.	0.9	11
175	A Gestational High Protein Diet Affects the Abundance of Muscle Transcripts Related to Cell Cycle Regulation throughout Development in Porcine Progeny. <i>PLoS ONE</i> , 2012, 7, e34519.	1.1	11
176	Effect of gestational protein deficiency and excess on hepatic expression of genes related to cell cycle and proliferation in offspring from late gestation to finishing phase in pig. <i>Molecular Biology Reports</i> , 2012, 39, 7095-7104.	1.0	11
177	Bioanalytical validation for simultaneous quantification of non-aromatic steroids in follicular fluid from cattle via ESI-LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1007, 132-139.	1.2	11
178	Genetic diversity and population structure of domestic and wild reindeer (<i>Rangifer tarandus</i> L. 1758): A novel approach using BovineHD BeadChip. <i>PLoS ONE</i> , 2018, 13, e0207944.	1.1	11
179	Genome-wide association study of body morphological traits in Sudanese goats. <i>Animal Genetics</i> , 2018, 49, 478-482.	0.6	11
180	Transcriptional responses in jejunum of two layer chicken strains following variations in dietary calcium and phosphorus levels. <i>BMC Genomics</i> , 2021, 22, 485.	1.2	11

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181	Association of corticotropin-releasing hormone gene variation with performance and meat quality traits in commercial pig lines. <i>Animal Genetics</i> , 2006, 37, 509-512.	0.6	10
182	Association of TLR4 polymorphism with cytokine expression level and pulmonary lesion score in pigs. <i>Molecular Biology Reports</i> , 2012, 39, 7003-7009.	1.0	10
183	Transcriptional responses of PBMC in psychosocially stressed animals indicate an alerting of the immune system in female but not in castrated male pigs. <i>BMC Genomics</i> , 2014, 15, 967.	1.2	10
184	Investigations on the pattern of linkage disequilibrium and selection signatures in the genomes of German PiÅ©train pigs. <i>Journal of Animal Breeding and Genetics</i> , 2014, 131, 473-482.	0.8	10
185	Genome-wide identification of allele-specific expression in response to <i>Streptococcus suis</i> 2 infection in two differentially susceptible pig breeds. <i>Journal of Applied Genetics</i> , 2015, 56, 481-491.	1.0	10
186	TRIENNIAL GROWTH AND DEVELOPMENT SYMPOSIUM: Factors influencing bovine intramuscular adipose tissue development and cellularity. <i>Journal of Animal Science</i> , 2017, 95, 2244.	0.2	10
187	BF, HP, DQB and DRB are associated with haemolytic complement activity, acute phase protein reaction and antibody response in the pig. <i>Veterinary Immunology and Immunopathology</i> , 2004, 99, 215-228.	0.5	9
188	Association of parathyroid hormone-like hormone (PTHLH) and its receptor (PTHR1) with the number of functional and inverted teats in pigs. <i>Journal of Animal Breeding and Genetics</i> , 2009, 126, 237-241.	0.8	9
189	Association of ZYX polymorphisms with carcass and meat quality traits in commercial pigs. <i>Meat Science</i> , 2010, 84, 159-164.	2.7	9
190	Comparative molecular characterization of the regucalcin (RGN) gene in rainbow trout (<i>Oncorhynchus mykiss</i>) and maraena whitefish (<i>Coregonus maraena</i>). <i>Molecular Biology Reports</i> , 2012, 39, 4291-4300.	1.0	9
191	Gene expression profiling of articular cartilage reveals functional pathways and networks of candidate genes for osteochondrosis in pigs. <i>Physiological Genomics</i> , 2013, 45, 856-865.	1.0	9
192	Deoxynivalenol Affects Cell Metabolism and Increases Protein Biosynthesis in Intestinal Porcine Epithelial Cells (IPEC-J2): DON Increases Protein Biosynthesis. <i>Toxins</i> , 2018, 10, 464.	1.5	9
193	Feed-efficient pigs exhibit molecular patterns allowing a timely circulation of hormones and nutrients. <i>Physiological Genomics</i> , 2018, 50, 726-734.	1.0	9
194	Genome-wide SNP analysis unveils genetic structure and phylogeographic history of snow sheep (<i>Ovis nivicola</i>) populations inhabiting the Verkhoyansk Mountains and Momsy Ridge (northeastern Siberia). <i>Ecology and Evolution</i> , 2018, 8, 8000-8010.	0.8	9
195	Insight into the Current Genetic Diversity and Population Structure of Domestic Reindeer (<i>Rangifer</i>) Tj ETQq1 1 0.784314 rgBT /Overlap	1.0	9
196	Two new SINE insertion polymorphisms in pig Vertnin (VRTN) gene revealed by comparative genomic alignment. <i>Journal of Integrative Agriculture</i> , 2020, 19, 2514-2522.	1.7	9
197	STUDY OF GENETIC DIVERSITY AND POPULATION STRUCTURE OF FIVE RUSSIAN CATTLE BREEDS USING WHOLE-GENOME SNP ANALYSIS. <i>Sel'skokhozyaistvennaya Biologiya</i> , 2016, 51, 788-800.	0.1	9
198	Chromosomal assignments for porcine genes encoding enzymes in hepatic metabolic pathways. <i>Animal Genetics</i> , 2002, 33, 255-263.	0.6	8

#	ARTICLE	IF	CITATIONS
199	Polymorphisms of the porcine androgen receptor gene affecting its amino acid sequence and expression level. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2004, 1678, 94-101.	2.4	8
200	Haplotype analysis of β -actin gene for its association with sperm quality and boar fertility. <i>Journal of Animal Breeding and Genetics</i> , 2006, 123, 384-388.	0.8	8
201	Exclusion of sequence polymorphisms in the porcine <i>ITGA5</i> and <i>MIR148B</i> loci as causal variation for congenital splay leg in piglets. <i>Animal Genetics</i> , 2010, 41, 447-448.	0.6	8
202	UBE3B and ZRANB1 polymorphisms and transcript abundance are associated with water holding capacity of porcine <i>M. longissimus dorsi</i> . <i>Meat Science</i> , 2013, 95, 166-172.	2.7	8
203	Association of N-terminal domain polymorphisms of the porcine glucocorticoid receptor with carcass composition and meat quality traits. <i>Animal Genetics</i> , 2014, 45, 125-129.	0.6	8
204	Hepatic expression patterns in psychosocially high-stressed pigs suggest mechanisms following allostatic principles. <i>Physiology and Behavior</i> , 2014, 128, 159-165.	1.0	8
205	Transient Shifts of Incubation Temperature Reveal Immediate and Long-Term Transcriptional Response in Chicken Breast Muscle Underpinning Resilience and Phenotypic Plasticity. <i>PLoS ONE</i> , 2016, 11, e0162485.	1.1	8
206	Detection of the important chromosomal regions determining production traits in meat-type chicken using entropy analysis. <i>British Poultry Science</i> , 2017, 58, 358-365.	0.8	8
207	Sex-Specific Muscular Maturation Responses Following Prenatal Exposure to Methylation-Related Micronutrients in Pigs. <i>Nutrients</i> , 2017, 9, 74.	1.7	8
208	Genetic Regulation of Liver Metabolites and Transcripts Linking to Biochemical-Clinical Parameters. <i>Frontiers in Genetics</i> , 2019, 10, 348.	1.1	8
209	Ileal Transcriptome Profiles of Japanese Quail Divergent in Phosphorus Utilization. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2762.	1.8	8
210	PUFA Treatment Affects C2C12 Myocyte Differentiation, Myogenesis Related Genes and Energy Metabolism. <i>Genes</i> , 2021, 12, 192.	1.0	8
211	Transcriptome analysis of porcine PBMCs reveals lipopolysaccharide-induced immunomodulatory responses and crosstalk of immune and glucocorticoid receptor signaling. <i>Virulence</i> , 2021, 12, 1808-1824.	1.8	8
212	mRNA Profiles of Porcine Parathyroid Glands Following Variable Phosphorus Supplies throughout Fetal and Postnatal Life. <i>Biomedicines</i> , 2021, 9, 454.	1.4	8
213	Wnt signaling related transcripts and their relationship to energy metabolism in C2C12 myoblasts under temperature stress. <i>PeerJ</i> , 2021, 9, e11625.	0.9	8
214	Genome-wide SNP analysis clearly distinguished the Belarusian Red cattle from other European cattle breeds. <i>Animal Genetics</i> , 2021, 52, 720-724.	0.6	8
215	Identification of Genomic Regions Influencing N-Metabolism and N-Excretion in Lactating Holstein-Friesians. <i>Frontiers in Genetics</i> , 2021, 12, 699550.	1.1	8
216	In Utero Fetal Weight in Pigs Is Regulated by microRNAs and Their Target Genes. <i>Genes</i> , 2021, 12, 1264.	1.0	8

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217	Genome-Wide Analysis for Early Growth-Related Traits of the Locally Adapted Egyptian Barki Sheep. <i>Genes</i> , 2021, 12, 1243.	1.0	8
218	Evaluation of current gene pool of Kholmogor and Black-and-white cattle breeds based on whole genome SNP analysis. <i>Vavilovskii Zhurnal Genetiki i Seleksii</i> , 2018, 22, 742-747.	0.4	8
219	Isolation, polymorphism identification and linkage mapping of the porcine haptoglobin locus. <i>Animal Genetics</i> , 2002, 33, 324-325.	0.6	7
220	The GENETPIG database: a tool for comparative mapping in pig (<i>Sus scrofa</i>). <i>Nucleic Acids Research</i> , 2003, 31, 138-141.	6.5	7
221	Generation of an improved cytogenetic and comparative map of <i>Bos taurus</i> chromosome BTA27. <i>Chromosome Research</i> , 2007, 15, 203-213.	1.0	7
222	High and low protein gestation diets do not provoke common transcriptional responses representing universal target pathways in muscle and liver of porcine progeny. <i>Acta Physiologica</i> , 2014, 210, 202-214.	1.8	7
223	Analysis of non-synonymous SNPs of the porcine SERPINA6 gene as potential causal variants for a QTL affecting plasma cortisol levels on SSC7. <i>Animal Genetics</i> , 2015, 46, 239-246.	0.6	7
224	Immediate and long-term transcriptional response of hind muscle tissue to transient variation of incubation temperature in broilers. <i>BMC Genomics</i> , 2016, 17, 323.	1.2	7
225	PSVI-23 Genetic characteristics and differentiation of four valid subspecies of snow sheep (<i>Ovis</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 0.2	0.2	7
226	Genetic variants of major genes contributing to phosphate and calcium homeostasis and their association with serum parameters in pigs. <i>Journal of Applied Genetics</i> , 2018, 59, 325-333.	1.0	7
227	Transcriptome profiles of hypothalamus and adrenal gland linked to haplotype related to coping behavior in pigs. <i>Scientific Reports</i> , 2019, 9, 13038.	1.6	7
228	Elevated haplotypes frequencies reveal similarities for selection signatures in Western and Russian Simmental populations. <i>Journal of Central European Agriculture</i> , 2019, 20, 1-11.	0.3	7
229	Reduced phosphorus intake throughout gestation and lactation of sows is mitigated by transcriptional adaptations in kidney and intestine. <i>BMC Genomics</i> , 2020, 21, 626.	1.2	7
230	Shifted excitation Raman difference spectroscopy as enabling technique for the analysis of animal feedstuff. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 1418-1427.	1.2	7
231	A 192 bp ERV fragment insertion in the first intron of porcine TLR6 may act as an enhancer associated with the increased expressions of TLR6 and TLR1. <i>Mobile DNA</i> , 2021, 12, 20.	1.3	7
232	Genetic Diversity of <i>Bubalus bubalis</i> in Germany and Global Relations of Its Genetic Background. <i>Frontiers in Genetics</i> , 2020, 11, 610353.	1.1	7
233	Profiling of circulating microRNA and pathway analysis in normal- versus over-conditioned dairy cows during the dry period and early lactation. <i>Journal of Dairy Science</i> , 2020, 103, 9534-9547.	1.4	7
234	Porcine Genome-wide Gene Expression in Response to Tetanus Toxoid Vaccine. <i>Developments in Biologicals</i> , 2008, 132, 185-195.	0.4	7

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235	Detection of SNPs and linkage and radiation hybrid mapping of the porcine C-reactive protein (CRP) gene. <i>Animal Genetics</i> , 2004, 35, 469-470.	0.6	6
236	Evidence for association of lymphoid enhancer-binding factor-1 (LEF1) with the number of functional and inverted teats in pigs. <i>Cytogenetic and Genome Research</i> , 2009, 124, 139-146.	0.6	6
237	Molecular characterization of PRR13 and its tissue-specific expression in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Fish Physiology and Biochemistry</i> , 2010, 36, 1271-1276.	0.9	6
238	Molecular Characterization of Five Porcine Candidate Genes for Drip Loss in Pork. <i>Animal Biotechnology</i> , 2010, 21, 114-121.	0.7	6
239	Genes with expression levels correlating to drip loss prove association of their polymorphism with water holding capacity of pork. <i>Molecular Biology Reports</i> , 2012, 39, 97-107.	1.0	6
240	Expression variation of the porcine ADRB2 has a complex genetic background. <i>Molecular Genetics and Genomics</i> , 2013, 288, 615-625.	1.0	6
241	Identification and Functional Characterization of <i>Cis</i> -Regulatory Elements Controlling Expression of the Porcine <i>ADRB2</i> Gene. <i>International Journal of Biological Sciences</i> , 2015, 11, 1006-1015.	2.6	6
242	Molecular changes in mitochondrial respiratory activity and metabolic enzyme activity in muscle of four pig breeds with distinct metabolic types. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 55-65.	1.0	6
243	Deep sequencing of small non-coding RNA highlights brain-specific expression patterns and RNA cleavage. <i>RNA Biology</i> , 2019, 16, 1764-1774.	1.5	6
244	A natural Ala610Val substitution causing glucocorticoid receptor hypersensitivity aggravates consequences of endotoxemia. <i>Brain, Behavior, and Immunity</i> , 2020, 90, 174-183.	2.0	6
245	Comfrey (<i>Symphytum</i> spp.) as an alternative field crop contributing to closed agricultural cycles in chicken feeding. <i>Science of the Total Environment</i> , 2020, 742, 140490.	3.9	6
246	Brain Transcriptome Responses to Dexamethasone Depending on Dose and Sex Reveal Factors Contributing to Sex-Specific Vulnerability to Stress-Induced Disorders. <i>Neuroendocrinology</i> , 2022, 112, 235-251.	1.2	6
247	Mineral Phosphorus Supply in Piglets Impacts the Microbial Composition and Phytate Utilization in the Large Intestine. <i>Microorganisms</i> , 2021, 9, 1197.	1.6	6
248	SINE Insertion in the Intron of Pig GHR May Decrease Its Expression by Acting as a Repressor. <i>Animals</i> , 2021, 11, 1871.	1.0	6
249	Genetic background and production periods shape the microRNA profiles of the gut in laying hens. <i>Genomics</i> , 2021, 113, 1790-1801.	1.3	6
250	Jejunal transcriptomic profiling of two layer strains throughout the entire production period. <i>Scientific Reports</i> , 2021, 11, 20086.	1.6	6
251	Polymorphic sites in exon 15 and 30 of the porcine C3 gene. <i>Animal Genetics</i> , 2001, 32, 46-47.	0.6	5
252	Sequencing, SNP identification and mapping of the porcine PTHLH gene to chromosome 5. <i>Animal Genetics</i> , 2004, 35, 151-152.	0.6	5

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253	Differential expression of growth factors and their receptors indicates their involvement in the inverted teat defect in pigs. <i>Journal of Animal Science</i> , 2009, 87, 3451-3457.	0.2	5
254	Gene expression analysis of mammary tissue during fetal bud formation and growth in two pig breeds – indications of prenatal initiation of postnatal phenotypic differences. <i>BMC Developmental Biology</i> , 2012, 12, 13.	2.1	5
255	<scp>QTL</scp> region-specific microarrays reveal differential expression of positional candidate genes of signaling pathways associated with the liability for the inverted teat defect. <i>Animal Genetics</i> , 2013, 44, 139-148.	0.6	5
256	Association of TLR5 sequence variants and mRNA level with cytokine transcription in pigs. <i>Immunogenetics</i> , 2013, 65, 125-132.	1.2	5
257	PBMC transcriptomic responses to primary and secondary vaccination differ due to divergent lean growth and antibody titers in a pig model. <i>Physiological Genomics</i> , 2015, 47, 470-478.	1.0	5
258	Intravenous lipid infusion affects dry matter intake, methane yield, and rumen bacteria structure in late-lactating Holstein cows. <i>Journal of Dairy Science</i> , 2018, 101, 6032-6046.	1.4	5
259	Haplotypes of coping behavior associated QTL regions reveal distinct transcript profiles in amygdala and hippocampus. <i>Behavioural Brain Research</i> , 2019, 372, 112038.	1.2	5
260	Genome-Wide SNP Analysis for Milk Performance Traits in Indigenous Sheep: A Case Study in the Egyptian Barki Sheep. <i>Animals</i> , 2021, 11, 1671.	1.0	5
261	Dietary phosphorus and calcium in feed affects miRNA profiles and their mRNA targets in jejunum of two strains of laying hens. <i>Scientific Reports</i> , 2021, 11, 13534.	1.6	5
262	Multi-Transcript Level Profiling Revealed Distinct mRNA, miRNA, and tRNA-Derived Fragment Bio-Signatures for Coping Behavior Linked Haplotypes in HPA Axis and Limbic System. <i>Frontiers in Genetics</i> , 2021, 12, 635794.	1.1	5
263	Seasonal variations in quantitative and qualitative sperm characteristics in fertile and subfertile stallions. <i>Archives Animal Breeding</i> , 2020, 63, 145-154.	0.5	5
264	Genetic regulation and variation of expression of miRNA and mRNA transcripts in fetal muscle tissue in the context of sex, dam and variable fetal weight. <i>Biology of Sex Differences</i> , 2022, 13, 24.	1.8	5
265	Sequence variation and linkage mapping of the porcine corticotropin releasing hormone (CRH) gene. <i>Animal Genetics</i> , 2002, 33, 233-234.	0.6	4
266	Cloning and tissue-specific expression of a .DELTA-COP homologue in a freshwater and a brackish water-adapted strain of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Genes and Genetic Systems</i> , 2009, 84, 239-243.	0.2	4
267	The three-way relationship of polymorphisms of porcine genes encoding terminal complement components, their differential expression, and health-related phenotypes. <i>BMC Proceedings</i> , 2011, 5, S19.	1.8	4
268	Identification of predicted genes expressed differentially in pituitary gland tissue of young growing bulls revealed by cDNA-AFLP technique. <i>Czech Journal of Animal Science</i> , 2013, 58, 147-158.	0.5	4
269	biomvRhsmm: Genomic Segmentation with Hidden Semi-Markov Model. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	4
270	Deoxynivalenol, but not E. coli lipopolysaccharide, changes the response pattern of intestinal porcine epithelial cells (IPEC-J2) according to its route of application. <i>Toxicology Letters</i> , 2015, 239, 161-171.	0.4	4

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271	rePROBE: Workflow for Revised Probe Assignment and Updated Probe-set Annotation in Microarrays. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 1043-1049.	3.0	4
272	Genetic regulation and heritability of miRNA and mRNA expression link to phosphorus utilization and gut microbiome. <i>Open Biology</i> , 2021, 11, 200182.	1.5	4
273	Control of Protein and Energy Metabolism in the Pituitary Gland in Response to Three-Week Running Training in Adult Male Mice. <i>Cells</i> , 2021, 10, 736.	1.8	4
274	Comfrey (<i>Symphytum</i> spp.) as a feed supplement in pig nutrition contributes to regional resource cycles. <i>Science of the Total Environment</i> , 2021, 796, 148988.	3.9	4
275	Verification of Chromosomal Regions Affecting the Innate Immunity in Pigs Using Linkage Mapping. <i>Developments in Biologicals</i> , 2008, 132, 279-286.	0.4	4
276	A highly polymorphic repetitive polypyrimidine/polypurine (CCTTT) _n sequence in the 5' untranslated sequence of the porcine androgen receptor gene. <i>Animal Genetics</i> , 2000, 31, 288-289.	0.6	3
277	SNP detection and linkage mapping of the porcine ferritin heavy-chain gene. <i>Animal Genetics</i> , 2002, 33, 325-326.	0.6	3
278	Polymorphism in the porcine transforming growth factor- β 1 gene. <i>Animal Genetics</i> , 2002, 33, 234-235.	0.6	3
279	Linkage mapping of SNPs in the porcine relaxin gene. <i>Animal Genetics</i> , 2002, 33, 323-324.	0.6	3
280	Porcine <i>IL12A</i> and <i>IL12B</i> gene mapping, variation and evidence of association with lytic complement and blood leucocyte proliferation traits. <i>International Journal of Immunogenetics</i> , 2008, 35, 75-85.	0.8	3
281	Iron-sulfur cluster scaffold (ISCU) gene is duplicated in salmonid fish and tissue and temperature dependent expressed in rainbow trout. <i>Gene</i> , 2013, 512, 251-258.	1.0	3
282	UBXN1 polymorphism and its expression in porcine <i>M. longissimus dorsi</i> are associated with water holding capacity. <i>Molecular Biology Reports</i> , 2014, 41, 1411-1418.	1.0	3
283	Temperature alterations during embryogenesis have a sex-dependent influence on growth properties and muscle metabolism of day-old chicks and 35-day-old broilers. <i>Animal</i> , 2018, 12, 1224-1231.	1.3	3
284	Genetic diversity of Nubian ibex in comparison to other ibex and domesticated goat species. <i>European Journal of Wildlife Research</i> , 2018, 64, 1.	0.7	3
285	A Study of Biodiversity of Russian Local Sheep Breeds Based on Pattern of Runs of Homozygosity &sup></sup>, 0, , .		3
286	POPULATION-GENETIC CHARACTERISTICS OF DOMESTIC REINDEER OF YAKUTIA BASED ON WHOLE-GENOME SNP ANALYSIS. <i>Sel'skokhozyaistvennaya Biologiya</i> , 2017, 52, 669-678.	0.1	3
287	Genetic Association of the Porcine C9 Complement Component with Hemolytic Complement Activity. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 1354-1361.	2.4	3
288	Central Suppression of the GH/IGF Axis and Abrogation of Exercise-Related mTORC1/2 Activation in the Muscle of Phenotype-Selected Male Marathon Mice (DUHTP). <i>Cells</i> , 2021, 10, 3418.	1.8	3

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289	Multi-Omics Reveals Different Strategies in the Immune and Metabolic Systems of High-Yielding Strains of Laying Hens. <i>Frontiers in Genetics</i> , 2022, 13, 858232.	1.1	3
290	Mapping of ESTs derived from pre-implantation stage cattle embryos to allocate 16 new additions to the ordered comparative map of cattle and human. <i>Animal Genetics</i> , 2003, 34, 449-452.	0.6	2
291	Flexible and efficient genome tiling design with penalized uniqueness score. <i>BMC Bioinformatics</i> , 2012, 13, 323.	1.2	2
292	Genetic variation of the porcine NR5A1 is associated with meat color. <i>Journal of Applied Genetics</i> , 2016, 57, 81-89.	1.0	2
293	Genetic characteristics of Kodar snow sheep using SNP markers. <i>Contemporary Problems of Ecology</i> , 2017, 10, 591-598.	0.3	2
294	Fast and reliable dissection of porcine parathyroid glands – A protocol for molecular and histological analyses. <i>Annals of Anatomy</i> , 2018, 219, 76-81.	1.0	2
295	Kinetics of Physiological and Behavioural Responses in Endotoxemic Pigs with or without Dexamethasone Treatment. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1393.	1.8	2
296	Morphological and Molecular Features of Porcine Mesenchymal Stem Cells Derived From Different Types of Synovial Membrane, and Genetic Background of Cell Donors. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 601212.	1.8	2
297	Polymorphic sites in the 5' region of the porcine <i>C8A</i> gene. <i>Archives Animal Breeding</i> , 2011, 54, 430-438.	0.5	2
298	Insights into molecular pathways and fatty acid membrane composition during the temperature stress response in the murine C2C12 cell model. <i>Science of the Total Environment</i> , 2021, 807, 151019.	3.9	2
299	The Growth Performance, Nutrient Digestibility, Gut Bacteria and Bone Strength of Broilers Offered Alternative, Sustainable Diets Varying in Nutrient Specification and Phytase Dose. <i>Animals</i> , 2022, 12, 1669.	1.0	2
300	Assessment of parental genomic proportions in crossbred chickens by DNA fingerprints. <i>Journal of Animal Breeding and Genetics</i> , 1997, 114, 55-68.	0.8	1
301	Molecular cloning and chromosome assignment of porcine vinculin gene (VCL). <i>Animal Genetics</i> , 2002, 33, 326-327.	0.6	1
302	1711 Genomic evaluation and population structure of eleven Russian sheep breeds. <i>Journal of Animal Science</i> , 2016, 94, 834-834.	0.2	1
303	165RE-EXPANSION AND QUALITY OF SPLIT BOVINE EMBRYOS IN VITRO. <i>Reproduction, Fertility and Development</i> , 2004, 16, 205.	0.1	1
304	Expression QTL and their applications in genetic improvement of farm animals.. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , 1-8.	0.6	1
305	PSX-17 Genome-wide diversity and demographic history of Russian native goat breeds. <i>Journal of Animal Science</i> , 2020, 98, 450-450.	0.2	1
306	SNP analysis, genotyping and mapping of the porcine <i>PTHR1</i> gene to chromosome 13 (Brief report). <i>Archives Animal Breeding</i> , 2007, 50, 320-321.	0.5	1

#	ARTICLE	IF	CITATIONS
307	PSXVI-17 Estimation of inbreeding in local sheep breeds of west Asian and central Asian origin based on high-density SNP-genotypes. <i>Journal of Animal Science</i> , 2021, 99, 222-223.	0.2	1
308	Identification and characterization of an AFLP marker associated with carcass composition in the pig (Brief report). <i>Archives Animal Breeding</i> , 2006, 49, 413-414.	0.5	1
309	PSX-25 The distribution of runs of homozygosity in nine native Russian sheep breeds. <i>Journal of Animal Science</i> , 2020, 98, 456-457.	0.2	1
310	PSX-18 High-density genomic description of Russian native sheep breed of the Republic of Tyva. <i>Journal of Animal Science</i> , 2020, 98, 453-454.	0.2	1
311	PSXII-21 Genome-wide search for genomic regions under putative selection in two Russian native cattle breeds using high-density SNP Bead Chip. <i>Journal of Animal Science</i> , 2020, 98, 242-243.	0.2	1
312	tiRNAs: Insights into Their Biogenesis, Functions, and Future Applications in Livestock Research. <i>Non-coding RNA</i> , 2022, 8, 37.	1.3	1
313	Evaluation of oligonucleotide probes for simple tandem repeats (STR) to produce informative DNA fingerprints of the chicken. <i>British Poultry Science</i> , 1998, 39, 62-69.	0.8	0
314	An assessment of applicability of Illumina GoatSNP50 BeadChip for genetic studies of Caucasian tur (<i>Capra caucasica</i>). , 0, , .		0
315	Does chronic dietary exposure to the mycotoxin deoxynivalenol affect the porcine hepatic transcriptome when an acute-phase response is initiated through first or second-pass LPS challenge of the liver?. <i>Innate Immunity</i> , 2021, 27, 388-408.	1.1	0
316	PSXI-6 Genome-wide SNP analysis of three Azerbaijani sheep breeds. <i>Journal of Animal Science</i> , 2021, 99, 245-245.	0.2	0
317	PSVIII-1 Genetic characteristics of Karachayev sheep inferred from genome-wide SNP analysis. <i>Journal of Animal Science</i> , 2021, 99, 243-243.	0.2	0
318	Regulatory Aspects of Fetal Growth and Muscle Development Relating to Postnatal Growth and Carcass Quality in Pigs. , 2009, , 203-241.		0
319	Detection of a polymorphic site of the porcine <i>C8G</i> gene and evaluation of association with haemolytic complement activity. <i>Archives Animal Breeding</i> , 2012, 55, 255-262.	0.5	0
320	Novel SNPs of the porcine TRIP12 are associated with water holding capacity of meat. <i>Czech Journal of Animal Science</i> , 2013, 58, 525-533.	0.5	0
321	Genomic assessment and phenotypic characteristics of F2 resource sheep population. <i>Agricultural Science Euro-North-East</i> , 2019, 20, 498-507.	0.2	0
322	Soil and Plant Responses to Phosphorus Inputs from Different Phytase-Associated Animal Diets. <i>Agronomy</i> , 2022, 12, 130.	1.3	0
323	PSXII-32 Testing of low-density SNP panel in wild and domestic reindeer populations (<i>Rangifer</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.2	0
324	PSX-16 Genome-wide association studies for growth and carcass traits in Russian sheep. <i>Journal of Animal Science</i> , 2020, 98, 449-450.	0.2	0

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325	PSIII-13 Genetic assessment of isolated reindeer (<i>Rangifer Tarandus</i>) population from Tuva, Russia. <i>Journal of Animal Science</i> , 2020, 98, 238-239.	0.2	0