

Katarzyna Pirkowska

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

548
citations

13
h-index

18
g-index

86
ext. papers

718
ext. citations

2.6
avg, IF

3.84
L-index

#	Paper	IF	Citations
75	The expression pattern of myogenic regulatory factors MyoD, Myf6 and Pax7 in postnatal porcine skeletal muscles. <i>Gene Expression Patterns</i> , 2011 , 11, 79-83	1.5	36
74	Comprehensive analysis of the whole transcriptomes from two different pig breeds using RNA-Seq method. <i>Animal Genetics</i> , 2014 , 45, 674-84	2.5	33
73	Association of the melanocortin-4 receptor (MC4R) with feed intake, growth, fatness and carcass composition in pigs raised in Poland. <i>Meat Science</i> , 2010 , 85, 297-301	6.4	30
72	Genome-wide RNA-Seq analysis of breast muscles of two broiler chicken groups differing in shear force. <i>Animal Genetics</i> , 2016 , 47, 68-80	2.5	29
71	H-FABP and LEPR gene expression profile in skeletal muscles and liver during ontogenesis in various breeds of pigs. <i>Domestic Animal Endocrinology</i> , 2011 , 40, 147-54	2.3	25
70	Known mutation (A3072G) in intron 3 of the IGF2 gene is associated with growth and carcass composition in Polish pig breeds. <i>Journal of Applied Genetics</i> , 2009 , 50, 257-9	2.5	24
69	Novel porcine housekeeping genes for real-time RT-PCR experiments normalization in adipose tissue: assessment of leptin mRNA quantity in different pig breeds. <i>Meat Science</i> , 2011 , 87, 191-5	6.4	20
68	Exercise-induced modification of the skeletal muscle transcriptome in Arabian horses. <i>Physiological Genomics</i> , 2017 , 49, 318-326	3.6	17
67	Examining the Genetic Background of Porcine Muscle Growth and Development Based on Transcriptome and miRNAome Data. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	17
66	A comprehensive transcriptome analysis of skeletal muscles in two Polish pig breeds differing in fat and meat quality traits. <i>Genetics and Molecular Biology</i> , 2018 , 41, 125-136	2	16
65	Transcriptome profiling of Arabian horse blood during training regimens. <i>BMC Genetics</i> , 2017 , 18, 31	2.6	14
64	Association between subcutaneous and intramuscular fat content in porcine ham and loin depending on age, breed and FABP3 and LEPR genes transcript abundance. <i>Molecular Biology Reports</i> , 2013 , 40, 2301-8	2.8	14
63	Association of calpastatin gene polymorphisms and meat quality traits in pig. <i>Meat Science</i> , 2014 , 97, 143-50	6.4	13
62	Expression of DLK1 and MEG3 genes in porcine tissues during postnatal development. <i>Genetics and Molecular Biology</i> , 2010 , 33, 790-4	2	12
61	Effect of EGF, AREG and LIF genes polymorphisms on reproductive traits in pigs. <i>Animal Reproduction Science</i> , 2013 , 137, 88-92	2.1	11
60	Variation in TBX3 Gene Region in Dun Coat Color Polish Konik Horses. <i>Journal of Equine Veterinary Science</i> , 2017 , 49, 60-62	1.2	10
59	Evaluation of SCD, ACACA and FASN Mutations: Effects on Pork Quality and Other Production Traits in Pigs Selected Based on RNA-Seq Results. <i>Animals</i> , 2020 , 10,	3.1	9

58	Detection of genetic variants between different Polish Landrace and Puławska pigs by means of RNA-seq analysis. <i>Animal Genetics</i> , 2018 , 49, 215-225	2.5	9
57	Sequence analysis and expression profiling of the equine ACTN3 gene during exercise in Arabian horses. <i>Gene</i> , 2019 , 685, 149-155	3.8	9
56	The normalisation of CAPN gene expression in M. pectoralis superficialis in broiler lines differing in growth rate and their relationship to breast muscle tenderness. <i>British Poultry Science</i> , 2015 , 56, 452-8	1.9	8
55	Screening for candidate genes related with histological microstructure, meat quality and carcass characteristic in pig based on RNA-seq data. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018 , 31, 1565-1574	2.4	8
54	Evolution of peroxisomal trans-2-enoyl-CoA reductase (PECR) as candidate gene for meat quality. <i>Livestock Science</i> , 2017 , 201, 85-91	1.7	7
53	Polymorphisms of the membrane-associated ring finger 4, ubiquitin protein ligase gene (MARCH4) and its relationship with porcine production traits. <i>Livestock Science</i> , 2015 , 178, 18-26	1.7	7
52	Association of a new mobile element in predicted promoter region of ATP-binding cassette transporter 12 gene (ABCA12) with pig production traits. <i>Livestock Science</i> , 2014 , 168, 38-44	1.7	7
51	Variability of mRNA abundance of leukemia inhibitory factor gene (LIF) in porcine ovary, oviduct and uterus tissues. <i>Molecular Biology Reports</i> , 2012 , 39, 7965-72	2.8	7
50	A new set of endogenous reference genes for gene expression studies of porcine stomach. <i>Journal of Animal and Feed Sciences</i> , 2010 , 19, 570-576	1.5	7
49	Identification of candidate genes and regulatory factors related to growth rate through hypothalamus transcriptome analyses in broiler chickens. <i>BMC Genomics</i> , 2020 , 21, 509	4.5	7
48	Variant calling from RNA-seq data of the brain transcriptome of pigs and its application for allele-specific expression and imprinting analysis. <i>Gene</i> , 2018 , 641, 367-375	3.8	7
47	Transcriptomic gene profiling of porcine muscle tissue depending on histological properties. <i>Animal Science Journal</i> , 2017 , 88, 1178-1188	1.8	6
46	Whole transcriptome analysis of the porcine muscle tissue of breeds differing in muscularity and meat quality traits. <i>Livestock Science</i> , 2015 , 182, 93-100	1.7	6
45	The association between polymorphisms of three cathepsins and economically important traits in pigs raised in Poland. <i>Livestock Science</i> , 2012 , 150, 316-323	1.7	6
44	Lack of the associations of the polymorphisms in IGF2, MC4R and GNAS genes with reproduction traits in pigs and imprinting analysis of IGF2 gene in ovary and cornus uteri. <i>Reproduction in Domestic Animals</i> , 2013 , 48, 562-8	1.6	6
43	Transcript variants of a region on SSC15 rich in QTLs associated with meat quality in pigs. <i>Annals of Animal Science</i> , 2017 , 17, 703-715	2	5
42	Molecular characterization of the apoptosis-related SH3RF1 and SH3RF2 genes and their association with exercise performance in Arabian horses. <i>BMC Veterinary Research</i> , 2018 , 14, 237	2.7	5
41	Association of Ghrelin Gene Polymorphisms with Fattening Traits and Feed Intake in Pig: A Preliminary Study. <i>Animals</i> , 2019 , 9,	3.1	5

40	Association between LEPR and MC4R genes polymorphisms and composition of milk from sows of dam line. <i>Molecular Biology Reports</i> , 2013 , 40, 4339-47	2.8	5
39	Evaluation of minimally invasive muscle biopsy method for genetic analysis in horse. <i>Annals of Animal Science</i> , 2015 , 15, 621-627	2	5
38	Distribution of the Warmblood Fragile Foal Syndrome Type 1 Mutation (PLOD1 c.2032G>A) in Different Horse Breeds from Europe and the United States. <i>Genes</i> , 2020 , 11,	4.2	5
37	Transcriptomic Changes in Broiler Chicken Hypothalamus during Growth and Development. <i>International Journal of Genomics</i> , 2018 , 2018, 6049469	2.5	5
36	The use of the SLC16A1 gene as a potential marker to predict race performance in Arabian horses. <i>BMC Genetics</i> , 2019 , 20, 73	2.6	4
35	The Pituitary Transcriptional Response Related to Feed Conversion in Pigs. <i>Genes</i> , 2019 , 10,	4.2	4
34	Genetic screening for cerebellar abiotrophy, severe combined immunodeficiency and lavender foal syndrome in Arabian horses in Poland. <i>Veterinary Journal</i> , 2019 , 248, 71-73	2.5	4
33	Changes in body weight and fatness of sows during reproductive activity depending on LEPR and MC4R genes polymorphism. <i>Livestock Science</i> , 2016 , 192, 25-32	1.7	4
32	The expression pattern of proteolytic enzymes of cathepsin family in two important porcine skeletal muscles. <i>Livestock Science</i> , 2013 , 157, 427-434	1.7	4
31	ACTN3 genotype distribution across horses representing different utility types and breeds. <i>Molecular Biology Reports</i> , 2019 , 46, 5795-5803	2.8	3
30	Identification of Molecular Mechanisms Related to Pig Fatness at the Transcriptome and miRNAome Levels. <i>Genes</i> , 2020 , 11,	4.2	3
29	Deep sequencing of a QTL-rich region spanning 128-136Mbp of pig chromosome 15. <i>Gene</i> , 2018 , 647, 268-275	3.8	3
28	Association of Gene Coding for Microsomal Triglyceride Transfer Protein (MTP) and Meat Texture Characteristic in Pig. <i>Annals of Animal Science</i> , 2016 , 16, 721-729	2	3
27	Analysis of polymorphisms in the equine MSTN gene in Polish populations of horse breeds. <i>Livestock Science</i> , 2016 , 187, 151-157	1.7	3
26	Transcriptomic hallmarks of bone remodelling revealed by RNA-Seq profiling in blood of Arabian horses during racing training regime. <i>Gene</i> , 2018 , 676, 256-262	3.8	3
25	Analysis of polymorphisms of cathepsin B and cystatin B impact on economically important traits in pigs raised in Poland. <i>Livestock Science</i> , 2012 , 146, 99-104	1.7	3
24	Frequency of DLK1 c.639C>T polymorphism and the analysis of MEG3/DLK1/PEG11 cluster expression in muscle of swine raised in Poland. <i>Meat Science</i> , 2011 , 88, 627-30	6.4	3
23	New polymorphisms and expression of the porcine ghrelin (GHRL) gene in different pig breeds. <i>Journal of Animal and Feed Sciences</i> , 2011 , 20, 186-199	1.5	3

22	Expression of IGFBP-3 and IGFBP-5 genes in muscles of pigs representing five different breeds. <i>Journal of Animal and Feed Sciences</i> , 2010 , 19, 554-563	1.5	3
21	New Polymorphic Changes in the Wnt7A Gene and Their Effect on Reproductive Traits in Pigs. <i>Annals of Animal Science</i> , 2018 , 18, 375-385	2	3
20	The expression profile of genes involved in osteoclastogenesis detected in whole blood of Arabian horses during 3 years of competing at race track. <i>Research in Veterinary Science</i> , 2019 , 123, 59-64	2.5	3
19	New Polymorphisms in Regulatory Regions of Porcine Calcitonin Receptor-Like Receptor 1 Gene and Their Association with CAPN1 Transcript Abundance. <i>Annals of Animal Science</i> , 2014 , 14, 525-535	2	2
18	New Polymorphisms in Regulatory Region of CAPN3 Gene with no Effect on Gene Expression in Breast Muscle of Broiler Chickens. <i>Annals of Animal Science</i> , 2014 , 14, 511-524	2	2
17	The Genetic Structure of Five Pig Breeds Maintained in Poland. <i>Annals of Animal Science</i> , 2016 , 16, 1019-1027	2	2
16	7. Associations between Polymorphisms in the DIO3 Gene and Reproductive Traits and Carcass Performance in Pigs. <i>Annals of Animal Science</i> , 2016 , 16, 399-413	2	2
15	Microsatellite-Based Genetic Structure and Hybrid Detection in Alpacas Bred in Poland. <i>Animals</i> , 2021 , 11,	3.1	2
14	CAPN1 gene as a potential marker for growth performance and carcass characteristics in pigs. <i>Animal Production Science</i> , 2017 , 57, 1014	1.4	1
13	Use of the HRM Method in Quick Identification of FecX Mutation in Highly Prolific Olkuska Sheep. <i>Animals</i> , 2020 , 10,	3.1	1
12	The effect of QTL-rich region polymorphisms identified by targeted DNA-seq on pig production traits. <i>Molecular Biology Reports</i> , 2018 , 45, 361-371	2.8	1
11	Condition of sows during reproductive activity depending on lipid metabolism gene (DGAT1) polymorphism. <i>Annals of Animal Science</i> , 2017 , 17, 717-731	2	1
10	Nutritional modification of <i>SCD</i> , <i>ACACA</i> and <i>LPL</i> gene expressions in different ovine tissues. <i>Archives Animal Breeding</i> , 2017 , 60, 243-250	1.6	1
9	Genetic variability in equine GDF9 and BMP15 genes in Arabian and Thoroughbred mares. <i>Annals of Animal Science</i> , 2018 , 18, 39-52	2	1
8	Variability of Gene Polymorphisms across Different Horse Breeds with Regard to Selection Pressure. <i>Animals</i> , 2020 , 10,	3.1	1
7	Examination of D-loop region and DBY gene as tools for identifying hybridisation in alpacas (<i>Vicugna pacos</i>) based on Polish populations. <i>Small Ruminant Research</i> , 2022 , 211, 106690	1.7	1
6	The SSC15 QTL-Rich Region Mutations Affecting Intramuscular Fat and Production Traits in Pigs. <i>Annals of Animal Science</i> , 2020 , 20, 425-444	2	0
5	Genetic Variability in the Loci of FABP4, PPAR α and SCD Genes of Sheep Breeds Raised for Different Purposes. <i>Annals of Animal Science</i> , 2019 , 19, 937-954	2	0

4	Low diversity of mitochondrial DNA in fancy pigeons (<i>Columba livia</i>) revealed by partial D-loop sequencing. <i>Animal Genetics</i> , 2021 , 52, 382	2.5	0
3	Association of missense MTTP gene polymorphism with carcass characteristics and meat quality traits in pigs. <i>Czech Journal of Animal Science</i> , 2017 , 62, 9-14	1.1	
2	Identification of mRNA Degradome Variation Dependent on Divergent Muscle Mass in Different Pig Breeds. <i>Annals of Animal Science</i> , 2020 , 20, 1241-1256	2	
1	Hypothalamus-pituitary axis transcriptomic modification dependent on growth rate in geese (<i>Anser anser domesticus</i>). <i>Animal Genetics</i> , 2021 , 52, 834-847	2.5	