

Katarzyna Ropka-Molik

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91
papers

717
citations

14
h-index

20
g-index

104
ext. papers

969
ext. citations

2.7
avg, IF

4.23
L-index

#	Paper	IF	Citations
91	Characteristics of runs of homozygosity in selected cattle breeds maintained in Poland. <i>Livestock Science</i> , 2016 , 188, 72-80	1.7	50
90	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
89	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
88	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
87	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
86	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
85	A Comprehensive Analysis of Runs of Homozygosity of Eleven Cattle Breeds Representing Different Production Types. <i>Animals</i> , 2019 , 9,	3.1	21
84	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
83	Exercise-induced modification of the skeletal muscle transcriptome in Arabian horses. <i>Physiological Genomics</i> , 2017 , 49, 318-326	3.6	17
82	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
81	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
80	Identification of genome-wide selection signatures in the Limousin beef cattle breed. <i>Journal of Animal Breeding and Genetics</i> , 2016 , 133, 264-76	2.9	15
79	A genome-wide detection of selection signatures in conserved and commercial pig breeds maintained in Poland. <i>BMC Genetics</i> , 2018 , 19, 95	2.6	15
78	Transcriptome profiling of Arabian horse blood during training regimens. <i>BMC Genetics</i> , 2017 , 18, 31	2.6	14
77	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
76	Association of calpastatin gene polymorphisms and meat quality traits in pig. <i>Meat Science</i> , 2014 , 97, 143-50	6.4	13
75	Effect of the FABP3 and LEPR gene polymorphisms and expression levels on intramuscular fat (IMF) content and fat cover degree in pigs. <i>Livestock Science</i> , 2011 , 142, 114-120	1.7	13

74	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
73	Effect of IGF2 intron3-g.3072G>A on intramuscular fat (IMF) content in pigs raised in Poland. <i>Livestock Science</i> , 2012 , 149, 301-304	1.7	11
72	Effects of Different Sources of Fat in the Diet of Pigs on the Liver Transcriptome Estimated by RNA-Seq. <i>Annals of Animal Science</i> , 2016 , 16, 1073-1090	2	11
71	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
70	Expression and imprinting analysis of the NESP55 gene in pigs. <i>Gene Expression Patterns</i> , 2012 , 12, 18-23	1.5	10
69	RNA sequencing as a powerful tool in searching for genes influencing health and performance traits of horses. <i>Journal of Applied Genetics</i> , 2016 , 57, 199-206	2.5	9
68	Genetic and Nutritional Factors Determining the Production and Quality of Sheep Meat [A Review]. <i>Annals of Animal Science</i> , 2017 , 17, 23-40	2	9
67	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
66	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
65	The effect of dietary fatty acid composition on adipose tissue quality and expression of genes related to lipid metabolism in porcine livers. <i>Animal Feed Science and Technology</i> , 2016 , 216, 204-215	3	9
64	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
63	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
62	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
61	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
60	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
59	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
58	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
57	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

56	Transcriptomic gene profiling of porcine muscle tissue depending on histological properties. <i>Animal Science Journal</i> , 2017 , 88, 1178-1188	1.8	6
55	The Genetics of Racing Performance in Arabian Horses. <i>International Journal of Genomics</i> , 2019 , 2019, 9013239	2.5	6
54	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
53	Analysis of the associations between polymorphisms in GNAS complex locus and growth, carcass and meat quality traits in pigs. <i>Molecular Biology Reports</i> , 2013 , 40, 6419-27	2.8	6
52	Transcriptome analysis of equine sarcoids. <i>Veterinary and Comparative Oncology</i> , 2017 , 15, 1370-1381	2.5	6
51	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
50	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
49	Genetic background of coat colour in sheep. <i>Archives Animal Breeding</i> , 2018 , 61, 173-178	1.6	6
48	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
47	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
46	Association of Ghrelin Gene Polymorphisms with Fattening Traits and Feed Intake in Pig: A Preliminary Study. <i>Animals</i> , 2019 , 9,	3.1	5
45	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
44	Evaluation of minimally invasive muscle biopsy method for genetic analysis in horse. <i>Annals of Animal Science</i> , 2015 , 15, 621-627	2	5
43	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
42	Transcriptomic Changes in Broiler Chicken Hypothalamus during Growth and Development. <i>International Journal of Genomics</i> , 2018 , 2018, 6049469	2.5	5
41	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
40	The Pituitary Transcriptional Response Related to Feed Conversion in Pigs. <i>Genes</i> , 2019 , 10,	4.2	4
39	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

38	Inter- and intrabreed diversity of the major histocompatibility complex (MHC) in primitive and draft horse breeds. <i>PLoS ONE</i> , 2020 , 15, e0228658	3.7	4
37	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
36	Histological Profile of the Longissimus Dorsi Muscle in Polish Large White and Polish Landrace Pigs and its Effect on Loin Parameters and Intramuscular Fat Content*. <i>Annals of Animal Science</i> , 2014 , 14, 955-966	2	4
35	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
34	ACTN3 genotype distribution across horses representing different utility types and breeds. <i>Molecular Biology Reports</i> , 2019 , 46, 5795-5803	2.8	3
33	Identification of Molecular Mechanisms Related to Pig Fatness at the Transcriptome and miRNAome Levels. <i>Genes</i> , 2020 , 11,	4.2	3
32	A detailed characteristics of bias associated with long runs of homozygosity identification based on medium density SNP microarrays. <i>Journal of Genomics</i> , 2020 , 8, 43-48	0.9	3
31	Deep sequencing of a QTL-rich region spanning 128-136Mbp of pig chromosome 15. <i>Gene</i> , 2018 , 647, 268-275	3.8	3
30	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
29	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
28	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
27	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
26	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
25	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
24	Genetic Variability and Population Structure of Polish Konik Horse Maternal Lines Based on Microsatellite Markers. <i>Genes</i> , 2021 , 12,	4.2	3
23	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
22	Functional Analysis of Genes Involved in Glycerolipids Biosynthesis (and) in Pigs. <i>Animals</i> , 2019 , 9,	3.1	2
21	New Polymorphisms in Regulatory Regions of Porcine β -Casein Gene and Their Association with CAPN1 Transcript Abundance. <i>Annals of Animal Science</i> , 2014 , 14, 525-535	2	2

20	Genomic landscape of copy number variation and copy neutral loss of heterozygosity events in equine sarcoids reveals increased instability of the sarcoid genome. <i>Biochimie</i> , 2017 , 140, 122-132	4.6	2
19	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
18	The expression of the SCD1 gene and its correlation with fattening and carcass traits in sheep. <i>Archives Animal Breeding</i> , 2016 , 59, 37-43	1.6	2
17	Genetic Diversity and Population Structure of Polish Konik Horse Based on Individuals from All the Male Founder Lines and Microsatellite Markers. <i>Animals</i> , 2020 , 10,	3.1	2
16	The Genetic Structure of Five Pig Breeds Maintained in Poland. <i>Annals of Animal Science</i> , 2016 , 16, 1019-1027		2
15	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
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 Blood and Muscle Expression Pattern of the Equine Gene during the Race Track Training of Arabian Horses. <i>Animals</i> , 2019 , 9,	3.1	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	The Induced Expression of Gene in Equine Adult Dermal Fibroblast Cells as a Potential Model of Skin Sarcoid-like Neoplasia.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
9	Guanine Nucleotide Binding Protein (GNAS Complex Locus) Gene Produces Biallelically Expressed and Paternally Expressed Transcripts in Pigs. <i>Annals of Animal Science</i> , 2015 , 15, 867-877	2	1
8	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
7	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
6	Variation in the SLC16A1 and the ACOX1 Genes Is Associated with Gallop Racing Performance in Arabian Horses. <i>Journal of Equine Veterinary Science</i> , 2020 , 93, 103202	1.2	1
5	Variability of Gene Polymorphisms across Different Horse Breeds with Regard to Selection Pressure. <i>Animals</i> , 2020 , 10,	3.1	1
4	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
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 Expression Profile of Brain Aging and Metabolic Function are Altered by Resveratrol or Ketoglutarate Supplementation in Rats Fed a High-Fat Diet. *Polish Journal of Food and Nutrition Sciences*, **2021**, 255-268 3.1
- 1 Hypothalamus-pituitary axis transcriptomic modification dependent on growth rate in geese (*Anser anser domesticus*). *Animal Genetics*, **2021**, 52, 834-847 2.5