

Katarzyna Ropka-Molik

List of Publications by Year in descending order

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102
papers

1,135
citations

394286

19
h-index

526166

27
g-index

104
all docs

104
docs citations

104
times ranked

1336
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of runs of homozygosity in selected cattle breeds maintained in Poland. <i>Livestock Science</i> , 2016, 188, 72-80.	0.6	79
2	Comprehensive analysis of the whole transcriptomes from two different pig breeds using <i>RNA-seq</i> method. <i>Animal Genetics</i> , 2014, 45, 674-684.	0.6	45
3	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.	0.6	42
4	Genome-wide <i>RNA-seq</i> analysis of breast muscles of two broiler chicken groups differing in shear force. <i>Animal Genetics</i> , 2016, 47, 68-80.	0.6	40
5	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.	2.7	38
6	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.	0.3	38
7	A Comprehensive Analysis of Runs of Homozygosity of Eleven Cattle Breeds Representing Different Production Types. <i>Animals</i> , 2019, 9, 1024.	1.0	36
8	A genome-wide detection of selection signatures in conserved and commercial pig breeds maintained in Poland. <i>BMC Genetics</i> , 2018, 19, 95.	2.7	31
9	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, 147-154.	0.8	30
10	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	30
11	Exercise-induced modification of the skeletal muscle transcriptome in Arabian horses. <i>Physiological Genomics</i> , 2017, 49, 318-326.	1.0	29
12	Identification of genome-wide selection signatures in the <i>L</i> imousin beef cattle breed. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 264-276.	0.8	27
13	Transcriptome profiling of Arabian horse blood during training regimens. <i>BMC Genetics</i> , 2017, 18, 31.	2.7	27
14	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, 191-195.	2.7	26
15	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, 123.	1.0	22
16	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.	0.6	20
17	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, 2301-2308.	1.0	20
18	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, 1208.	1.8	20

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19	Association of calpastatin gene polymorphisms and meat quality traits in pig. <i>Meat Science</i> , 2014, 97, 143-150.	2.7	19
20	Effect of EGF, AREG and LIF genes polymorphisms on reproductive traits in pigs. <i>Animal Reproduction Science</i> , 2013, 137, 88-92.	0.5	16
21	Genetic and Nutritional Factors Determining the Production and Quality of Sheep Meat – A Review. <i>Annals of Animal Science</i> , 2017, 17, 23-40.	0.6	15
22	Genetic background of coat colour in sheep. <i>Archives Animal Breeding</i> , 2018, 61, 173-178.	0.5	15
23	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.	0.6	14
24	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.	1.1	14
25	Transcriptomic gene profiling of porcine muscle tissue depending on histological properties. <i>Animal Science Journal</i> , 2017, 88, 1178-1188.	0.6	13
26	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.	0.6	13
27	Expression and imprinting analysis of the NESP55 gene in pigs. <i>Gene Expression Patterns</i> , 2012, 12, 18-23.	0.3	12
28	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.	0.6	12
29	The Genetics of Racing Performance in Arabian Horses. <i>International Journal of Genomics</i> , 2019, 2019, 1-8.	0.8	12
30	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, 1518.	1.0	12
31	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.	1.0	11
32	Variation in TBX3 Gene Region in Dun Coat Color Polish Konik Horses. <i>Journal of Equine Veterinary Science</i> , 2017, 49, 60-62.	0.4	11
33	Transcriptome analysis of equine sarcoids. <i>Veterinary and Comparative Oncology</i> , 2017, 15, 1370-1381.	0.8	11
34	Sequence analysis and expression profiling of the equine ACTN3 gene during exercise in Arabian horses. <i>Gene</i> , 2019, 685, 149-155.	1.0	11
35	Association between LEPR and MC4R genes polymorphisms and composition of milk from sows of dam line. <i>Molecular Biology Reports</i> , 2013, 40, 4339-4347.	1.0	10
36	Genetic screening for cerebellar atrophy, severe combined immunodeficiency and lavender foal syndrome in Arabian horses in Poland. <i>Veterinary Journal</i> , 2019, 248, 71-73.	0.6	10

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37	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, 1569.	1.0	10
38	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, 6419-6427.	1.0	9
39	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.	0.6	9
40	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.	1.2	9
41	Identification of Molecular Mechanisms Related to Pig Fatness at the Transcriptome and miRNAome Levels. <i>Genes</i> , 2020, 11, 600.	1.0	9
42	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.	0.5	9
43	The association between polymorphisms of three cathepsins and economically important traits in pigs raised in Poland. <i>Livestock Science</i> , 2012, 150, 316-323.	0.6	8
44	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.	1.0	8
45	The use of the SLC16A1 gene as a potential marker to predict race performance in Arabian horses. <i>BMC Genetics</i> , 2019, 20, 73.	2.7	8
46	Transcriptome Analysis for Genes Associated with Small Ruminant Lentiviruses Infection in Goats of Carpathian Breed. <i>Viruses</i> , 2021, 13, 2054.	1.5	8
47	Variability of mRNA abundance of leukemia inhibitory factor gene (LIF) in porcine ovary, oviduct and uterus tissues. <i>Molecular Biology Reports</i> , 2012, 39, 7965-7972.	1.0	7
48	Lack of the Associations of the Polymorphisms in <i>IGF2</i> , <i>MC4R</i> and <i>GNAS</i> Genes with Reproduction Traits in Pigs and Imprinting Analysis of <i>IGF2</i> Gene in Ovary and <i>Cornus Uteri</i> . <i>Reproduction in Domestic Animals</i> , 2013, 48, 562-568.	0.6	7
49	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.	0.6	7
50	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.	0.6	7
51	Analysis of polymorphisms in the equine MSTN gene in Polish populations of horse breeds. <i>Livestock Science</i> , 2016, 187, 151-157.	0.6	7
52	Evolution of peroxisomal trans-2-enoyl-CoA reductase (PECR) as candidate gene for meat quality. <i>Livestock Science</i> , 2017, 201, 85-91.	0.6	7
53	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.	0.6	7
54	The Induced Expression of BPV E4 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, 1970.	1.8	7

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55	Transcriptomic Changes in Broiler Chicken Hypothalamus during Growth and Development. <i>International Journal of Genomics</i> , 2018, 2018, 1-10.	0.8	6
56	Association of Ghrelin Gene Polymorphisms with Fattening Traits and Feed Intake in Pig: A Preliminary Study. <i>Animals</i> , 2019, 9, 410.	1.0	6
57	The Pituitary Transcriptional Response Related to Feed Conversion in Pigs. <i>Genes</i> , 2019, 10, 712.	1.0	6
58	Inter- and intrabreed diversity of the major histocompatibility complex (MHC) in primitive and draft horse breeds. <i>PLoS ONE</i> , 2020, 15, e0228658.	1.1	6
59	Single Nucleotide Polymorphisms in Genes Encoding Toll-Like Receptors 7 and 8 and Their Association with Proviral Load of SRLVs in Goats of Polish Carpathian Breed. <i>Animals</i> , 2021, 11, 1908.	1.0	6
60	The expression pattern of proteolytic enzymes of cathepsin family in two important porcine skeletal muscles. <i>Livestock Science</i> , 2013, 157, 427-434.	0.6	5
61	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.	0.6	5
62	Evaluation of minimally invasive muscle biopsy method for genetic analysis in horse. <i>Annals of Animal Science</i> , 2015, 15, 621-627.	0.6	5
63	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.	0.6	5
64	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.	1.3	5
65	Deep sequencing of a QTL-rich region spanning 128-136Mbp of pig chromosome 15. <i>Gene</i> , 2018, 647, 268-275.	1.0	5
66	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.	1.0	5
67	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.	0.7	5
68	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.	0.9	5
69	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.	0.4	5
70	Variability of ACOX1 Gene Polymorphisms across Different Horse Breeds with Regard to Selection Pressure. <i>Animals</i> , 2020, 10, 2225.	1.0	5
71	Genetic Variability and Population Structure of Polish Konik Horse Maternal Lines Based on Microsatellite Markers. <i>Genes</i> , 2021, 12, 546.	1.0	5
72	Assessment of BPV-1 Mediated Matrix Metalloproteinase Genes Deregulation in the In Vivo and In Vitro Models Designed to Explore Molecular Nature of Equine Sarcoids. <i>Cells</i> , 2022, 11, 1268.	1.8	5

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73	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.	0.6	4
74	ACTN3 genotype distribution across horses representing different utility types and breeds. <i>Molecular Biology Reports</i> , 2019, 46, 5795-5803.	1.0	4
75	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, 627-630.	2.7	3
76	New Polymorphisms in Regulatory Regions of Porcine β -Calpain Gene and Their Association with CAPN1 Transcript Abundance. <i>Annals of Animal Science</i> , 2014, 14, 525-535.	0.6	3
77	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.	0.6	3
78	Functional Analysis of Genes Involved in Glycerolipids Biosynthesis (GPAT1 and GPAT2) in Pigs. <i>Animals</i> , 2019, 9, 308.	1.0	3
79	Use of the HRM Method in Quick Identification of FecXO Mutation in Highly Prolific Olkuska Sheep. <i>Animals</i> , 2020, 10, 844.	1.0	3
80	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.	0.6	3
81	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.	0.6	3
82	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.	0.5	3
83	New long-non coding RNAs related to fat deposition based on pig model. <i>Annals of Animal Science</i> , 2022, 22, 1211-1224.	0.6	3
84	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.	0.6	2
85	The Genetic Structure of Five Pig Breeds Maintained in Poland. <i>Annals of Animal Science</i> , 2016, 16, 1019-1027.	0.6	2
86	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.	0.6	2
87	CAPN1 gene as a potential marker for growth performance and carcass characteristics in pigs. <i>Animal Production Science</i> , 2017, 57, 1014.	0.6	2
88	Association of missense MTP gene polymorphism with carcass characteristics and meat quality traits in pigs. <i>Czech Journal of Animal Science</i> , 2017, 62, 9-14.	0.5	2
89	The Blood and Muscle Expression Pattern of the Equine TCAP Gene during the Race Track Training of Arabian Horses. <i>Animals</i> , 2019, 9, 574.	1.0	2
90	Genetic variability in equine GDF9 and BMP15 genes in Arabian and Thoroughbred mares. <i>Annals of Animal Science</i> , 2018, 18, 39-52.	0.6	2

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91	Tracking the Molecular Scenarios for Tumorigenic Remodeling of Extracellular Matrix Based on Gene Expression Profiling in Equine Skin Neoplasia Models. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6506.	1.8	2
92	Condition of sows during reproductive activity depending on lipid metabolism gene (DGAT1) polymorphism. <i>Annals of Animal Science</i> , 2017, 17, 717-731.	0.6	1
93	Transcriptome Profiling of the Retained Fetal Membranes—An Insight in the Possible Pathogenesis of the Disease. <i>Animals</i> , 2021, 11, 675.	1.0	1
94	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.	0.6	1
95	Mobility and Invasion Related Gene Expression Patterns in Equine Sarcoid. <i>Animals</i> , 2020, 10, 880.	1.0	1
96	The SSC15 QTL-Rich Region Mutations Affecting Intramuscular Fat and Production Traits in Pigs. <i>Annals of Animal Science</i> , 2020, 20, 425-444.	0.6	1
97	Investigation of Cerebellar Abiotrophy (CA), Lavender Foal Syndrome (LFS), and Severe Combined Immunodeficiency (SCID) Variants in a Cohort of Three MENA Region Horse Breeds. <i>Genes</i> , 2021, 12, 1893.	1.0	1
98	Expression Profile of Brain Aging and Metabolic Function are Altered by Resveratrol or Î±-Ketoglutarate Supplementation in Rats Fed a High-Fat Diet. <i>Polish Journal of Food and Nutrition Sciences</i> , 2021, , 255-268.	0.6	0
99	Hypothalamus—pituitary axis transcriptomic modification dependent on growth rate in geese (Anser) Tj ETQq1 1,0,784314,rgBT /O	0.6	0
100	Pig Genomics and Genetics. <i>Genes</i> , 2021, 12, 1692.	1.0	0
101	Effect of the polymorphism of genes related to lactogenesis in pigs on colostrum and milk composition and on rearing performance of piglets. <i>Annals of Animal Science</i> , 2022, .	0.6	0
102	Profiling of genetic markers useful for breeding decision in Selle Francais horse. <i>Journal of Equine Veterinary Science</i> , 2022, 116, 104059.	0.4	0