Merete Fredholm

List of Publications by Year
in descending order

71 papers	3,238 citations	304602 22 h-index	155592 55 g-index
73 all docs	73 docs citations	73 times ranked	5526 citing authors

#	Article	IF	Citations
1	Analyses of pig genomes provide insight into porcine demography and evolution. Nature, 2012, 491, 393-398.	13.7	1,190
2	Selection of reference genes for gene expression studies in pig tissues using SYBR green qPCR. BMC Molecular Biology, 2007, 8, 67.	3.0	454
3	FEELnc: a tool for long non-coding RNA annotation and its application to the dog transcriptome. Nucleic Acids Research, 2017, 45, gkw1306.	6.5	281
4	Exploration of extracellular vesicles from Ascaris suum provides evidence of parasiteâ€“host cross talk. Journal of Extracellular Vesicles, 2019, 8, 1578116.	5.5	103
5	Identification of co-expression gene networks, regulatory genes and pathways for obesity based on adipose tissue RNA Sequencing in a porcine model. BMC Medical Genomics, 2014, 7, 57.	0.7	96
6	LUPA: A European initiative taking advantage of the canine genome architecture for unravelling complex disorders in both human and dogs. Veterinary Journal, 2011, 189, 155-159.	0.6	95
7	Pig genome functional annotation enhances the biological interpretation of complex traits and human disease. Nature Communications, 2021, 12, 5848.	5.8	70
8	Linkage and comparative mapping of the locus controlling susceptibility towards E. coli F4ab/ac diarrhoea in pigs. Cytogenetic and Genome Research, 2003, 102, 157-162.	0.6	69
9	Arctic-adapted dogs emerged at the Pleistoceneâ€“Holocene transition. Science, 2020, 368, 1495-1499.	6.0	60
10	FGF21 regulates hepatic metabolic pathways to improve steatosis and inflammation. Endocrine Connections, 2020, 9, 755-768.	0.8	54
11	Early microbial colonization affects DNA methylation of genes related to intestinal immunity and metabolism in preterm pigs. DNA Research, 2018, 25, 287-296.	1.5	48
12	Genome-Wide Association Study in Dachshund: Identification of a Major Locus Affecting Intervertebral Disc Calcification. Journal of Heredity, 2011, 102, S81-S86.	1.0	45
13	Gender and Obesity Specific MicroRNA Expression in Adipose Tissue from Lean and Obese Pigs. PLoS ONE, 2015, 10, e0131650.	1.1	45
14	Breed Differences in Natriuretic Peptides in Healthy Dogs. Journal of Veterinary Internal Medicine, 2014, 28, 451-457.	0.6	44
15	An F2 Pig Resource Population as a Model for Genetic Studies of Obesity and Obesity-Related Diseases in Humans: Design and Genetic Parameters. Frontiers in Genetics, 2013, 4, 29.	1.1	42
16	Expression Studies of the Obesity Candidate GeneFTOin Pig. Animal Biotechnology, 2009, 21, 51-63.	0.7	34
17	Ascaris Suum Infection Downregulates Inflammatory Pathways in the Pig Intestine In Vivo and in Human Dendritic Cells In Vitro. Journal of Infectious Diseases, 2018, 217, 310-319.	1.9	32
18	Altered Methylation Profile of Lymphocytes Is Concordant with Perturbation of Lipids Metabolism and Inflammatory Response in Obesity. Journal of Diabetes Research, 2016, 2016, 1-11.	1.0	31

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19	An integrative systems genetics approach reveals potential causal genes and pathways related to obesity. Genome Medicine, 2015, 7, 105.	3.6	30
20	Differential Analysis of the Nasal Microbiome of Pig Carriers or Non-Carriers of Staphylococcus aureus. PLoS ONE, 2016, 11, e0160331.	1.1	27
21	A Gly98Val Mutation in the N-Myc Downstream Regulated Gene 1 (NDRG1) in Alaskan Malamutes with Polyneuropathy. PLoS ONE, 2013, 8, e54547.	1.1	25
22	Systems genetics of obesity in an F2 pig model by genome-wide association, genetic network, and pathway analyses. Frontiers in Genetics, 2014, 5, 214.	1.1	25
23	A large insertion in intron 2 of the TYRP1 gene associated with American Palomino phenotype in American mink. Mammalian Genome, 2016, 27, 135-143.	1.0	22
24	Expression studies of six human obesityâ€related genes in seven tissues from divergent pig breeds. Animal Genetics, 2014, 45, 59-66.	0.6	21
25	Comparative Analyses of QTLs Influencing Obesity and Metabolic Phenotypes in Pigs and Humans. PLoS ONE, 2015, 10, e0137356.	1.1	21
26	Validation of Genome-Wide Intervertebral Disk Calcification Associations in Dachshund and Further Investigation of the Chromosome 12 Susceptibility Locus. Frontiers in Genetics, 2012, 3, 225.	1.1	18
27	Physical training and weight loss in dogs lead to transcriptional changes in genes involved in the glucose-transport pathway in muscle and adipose tissues. Veterinary Journal, 2016, 208, 22-27.	0.6	16
28	Prevalence and heritability of distichiasis in the English Cocker spaniel. Canine Genetics and Epidemiology, 2015, 2, 11.	2.9	14
29	Joint Profiling of miRNAs and mRNAs Reveals miRNA Mediated Gene Regulation in the GÃ¶ttingen Minipig Obesity Model. PLoS ONE, 2016, 11, e0167285.	1.1	14
30	Functional Characterization of a Porcine Emphysema Model. Lung, 2013, 191, 669-675.	1.4	12
31	Expression study of GLUT4 translocation-related genes in a porcine pre-diabetic model. Mammalian Genome, 2015, 26, 650-657.	1.0	12
32	Breeding French bulldogs so that they breathe wellâ€”AÂlong way to go. PLoS ONE, 2019, 14, e0226280.	1.1	12
33	Circulating letâ€7g is downâ€regulated in Bernese Mountain dogs with disseminated histiocytic sarcoma and carcinomasÂâ€“Âa prospective study. Veterinary and Comparative Oncology, 2017, 15, 525-533.	0.8	11
34	The expression signatures in liver and adipose tissue from obese GÃ¶ttingen Minipigs reveal a predisposition for healthy fat accumulation. Nutrition and Diabetes, 2020, 10, 9.	1.5	10
35	A hereditary disposition for bovine peripheral nerve sheath tumors in Danish Holstein cattle. Acta Veterinaria Scandinavica, 2014, 56, 85.	0.5	9
36	Functional study of a genetic marker allele associated with resistance toAscaris suumin pigs. Parasitology, 2014, 141, 777-787.	0.7	9

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37	Genome-wide association study reveals a locus for nasal carriage of Staphylococcus aureus in Danish crossbred pigs. BMC Veterinary Research, 2015, 11, 290.	0.7	9
38	Effect of Breed on Plasma Endothelinâ€1 Concentration, Plasma Renin Activity, and Serum Cortisol Concentration in Healthy Dogs. Journal of Veterinary Internal Medicine, 2016, 30, 566-573.	0.6	9
39	Epigenetic and Transcriptomic Characterization of Pure Adipocyte Fractions From Obese Pigs Identifies Candidate Pathways Controlling Metabolism. Frontiers in Genetics, 2019, 10, 1268.	1.1	9
40	A targeted genotyping approach enhances identification of variants in taste receptor and appetite/reward genes of potential functional importance for obesityâ€related porcine traits. Animal Genetics, 2018, 49, 110-118.	0.6	8
41	Genome wide association study of 40 clinical measurements in eight dog breeds. Scientific Reports, 2020, 10, 6520.	1.6	8
42	The Shepherdsâ€™ Tale: A Genome-Wide Study across 9 Dog Breeds Implicates Two Loci in the Regulation of Fructosamine Serum Concentration in Belgian Shepherds. PLoS ONE, 2015, 10, e0123173.	1.1	8
43	Discrepancy in compliance between the clinical and genetic diagnosis of choroidal hypoplasia in Danish Rough Collies and Shetland Sheepdogs. Animal Genetics, 2016, 47, 250-252.	0.6	6
44	Deregulation of obesity-relevant genes is associated with progression in BMI and the amount of adipose tissue in pigs. Molecular Genetics and Genomics, 2018, 293, 129-136.	1.0	6
45	Pampered pets or poor bastards? The welfare of dogs kept as companion animals. Applied Animal Behaviour Science, 2022, 251, 105640.	0.8	6
46	Detection of a quantitative trait locus associated with resistance to infection with Trichuris suis in pigs. Veterinary Parasitology, 2015, 210, 264-269.	0.7	5
47	Identification of protein-damaging mutations in 10 swine taste receptors and 191 appetite-reward genes. BMC Genomics, 2016, 17, 685.	1.2	5
48	The prevalence of the electrocardiographic J wave in the Petit Basset Griffon VendÃ©en compared to 10 different dog breeds. Journal of Veterinary Cardiology, 2016, 18, 26-33.	0.3	5
49	Inclusion of endophenotypes in a standard GWAS facilitate a detailed mechanistic understanding of genetic elements that control blood lipid levels. Scientific Reports, 2020, 10, 18434.	1.6	5
50	Hepatic expression of inflammatory genes and microRNAs in pigs with high â€œcholesteryl ester transfer proteinâ€•(CETP) activity. Mammalian Genome, 2016, 27, 503-510.	1.0	4
51	Fat and carbohydrate content in the diet induces drastic changes in gene expression in young GÃ¶ttingen minipigs. Mammalian Genome, 2017, 28, 166-175.	1.0	4
52	Haplotypes on pig chromosome 3 distinguish metabolically healthy from unhealthy obese individuals. PLoS ONE, 2017, 12, e0178828.	1.1	4
53	Identification of the mutation causing progressive retinal atrophy in Old Danish Pointing Dog. Animal Genetics, 2018, 49, 237-241.	0.6	4
54	Interbreed variation of biomarkers of lipid and glucose metabolism in dogs. Veterinary Clinical Pathology, 2018, 47, 582-588.	0.3	4

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55	Evaluation of fecal microRNA stability in healthy cats. Veterinary Clinical Pathology, 2019, 48, 455-460.	0.3	4
56	Breeding schemes for intervertebral disc disease in dachshunds: Is disc calcification score preferable to genotyping of the FGF4 retrogene insertion on CFA12?. Canine Medicine and Genetics, 2020, 7, 18.	1.4	4
57	Validation of DNA test for hip dysplasia failed in Danish Labrador Retrievers. Animal Genetics, 2020, 51, 617-619.	0.6	4
58	Diet-Dependent Changes of the DNA Methylome Using a GÃ¶ttingen Minipig Model for Obesity. Frontiers in Genetics, 2021, 12, 632859.	1.1	4
59	Re-emergence of hereditary polyneuropathy in Scandinavian Alaskan malamute dogsâ€"old enemy or new entity? A case series. Acta Veterinaria Scandinavica, 2017, 59, 26.	0.5	3
60	Impaired NDRG1 functions in Schwann cells cause demyelinating neuropathy in a dog model of Charcot-Marie-Tooth type 4D. Neuromuscular Disorders, 2021, 31, 56-68.	0.3	3
61	Exercise-Associated Sudden Death in Finnish Standardbred and Coldblooded Trotters - A Case Series With Pedigree Analysis. Journal of Equine Veterinary Science, 2021, 104, 103694.	0.4	2
62	Modeling <scp>microRNA</scp> â€driven postâ€transcriptional regulation using exonâ€"intron split analysis in pigs. Animal Genetics, 0, , .	0.6	2
63	P6009 Focus on atherosclerosis and the pig as a model to identify genes affecting cholesterol and other plasma lipid levels. Journal of Animal Science, 2016, 94, 152-152.	0.2	1
64	Unraveling molecular mechanisms involved in the development of leptin resistance using the pig as a model. Animal Genetics, 2021, 52, 55-65.	0.6	1
65	The first genomeâ€wide association study concerning idiopathic epilepsy in Petit Basset Griffon Vendeen. Animal Genetics, 2021, 52, 762-766.	0.6	0
66	Breeding French bulldogs so that they breathe wellâ€"A long way to go. , 2019, 14, e0226280.		0
67	Breeding French bulldogs so that they breathe wellâ€"A long way to go. , 2019, 14, e0226280.		0
68	Breeding French bulldogs so that they breathe wellâ€"A long way to go. , 2019, 14, e0226280.		0
69	Breeding French bulldogs so that they breathe wellâ€"A long way to go. , 2019, 14, e0226280.		0
70	Breeding French bulldogs so that they breathe wellâ€"A long way to go. , 2019, 14, e0226280.		0
71	Breeding French bulldogs so that they breathe wellâ€"A long way to go. , 2019, 14, e0226280.		0