Hannes Lohi

List of Publications by Year
in descending order

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Version: 2024-02-01

231 papers	8,822 citations	44069 48 h-index	60623 81 g-index

253 all docs	253 docs citations	253 times ranked	9941 citing authors

#	Article	IF	Citations
1	Identification of Genomic Regions Associated with Phenotypic Variation between Dog Breeds using Selection Mapping. PLoS Genetics, 2011, 7, e1002316.	3.5	339
2	A previously unidentified MECP2 open reading frame defines a new protein isoform relevant to Rett syndrome. Nature Genetics, 2004, 36, 339-341.	21.4	290
3	FEELnc: a tool for long non-coding RNA annotation and its application to the dog transcriptome. Nucleic Acids Research, 2017, 45, gkw1306.	14.5	281
4	Out of southern East Asia: the natural history of domestic dogs across the world. Cell Research, 2016, 26, 21-33.	12.0	271
5	Genome-Wide Analysis Reveals Selection for Important Traits in Domestic Horse Breeds. PLoS Genetics, 2013, 9, e1003211.	3.5	240
6	Genetic Diversity in the Modern Horse Illustrated from Genome-Wide SNP Data. PLoS ONE, 2013, 8, e54997.	2.5	214
7	Functional Characterization of Three Novel Tissue-specific Anion Exchangers SLC26A7, -A8, and -A9. Journal of Biological Chemistry, 2002, 277, 14246-14254.	3.4	200
8	Mapping of Five New Putative Anion Transporter Genes in Human and Characterization of SLC26A6, A Candidate Gene for Pancreatic Anion Exchanger. Genomics, 2000, 70, 102-112.	2.9	187
9	The Novel Neuronal Ceroid Lipofuscinosis Gene MFSD8 Encodes a Putative Lysosomal Transporter. American Journal of Human Genetics, 2007, 81, 136-146.	6.2	180
10	Functional Significance and Clinical Phenotype of Nontruncating Mismatch Repair Variants of MLH1. Gastroenterology, 2005, 129, 537-549.	1.3	170
11	Expanded Repeat in Canine Epilepsy. Science, 2005, 307, 81-81.	12.6	156
12	Novel glycogen synthase kinase 3 and ubiquitination pathways in progressive myoclonus epilepsy. Human Molecular Genetics, 2005, 14, 2727-2736.	2.9	146
13	Germline Mutation of RPS20, Encoding a Ribosomal Protein, Causes Predisposition to Hereditary Nonpolyposis Colorectal Carcinoma Without DNA Mismatch Repair Deficiency. Gastroenterology, 2014, 147, 595-598.e5.	1.3	143
14	A comprehensive biomedical variant catalogue based on whole genome sequences of 582 dogs and eight wolves. Animal Genetics, 2019, 50, 695-704.	1.7	138
15	Functional Comparison of Mouse slc26a6 Anion Exchanger with Human SLC26A6 Polypeptide Variants. Journal of Biological Chemistry, 2005, 280, 8564-8580.	3.4	137
16	A Mutation in Hairless Dogs Implicates FOXI3 in Ectodermal Development. Science, 2008, 321, 1462-1462.	12.6	135
17	Isoforms of SLC26A6 mediate anion transport and have functional PDZ interaction domains. American Journal of Physiology - Cell Physiology, 2003, 284, C769-C779.	4.6	125
18	A truncating mutation in ATP13A2 is responsible for adult-onset neuronal ceroid lipofuscinosis in Tibetan terriers. Neurobiology of Disease, 2011, 42, 468-474.	4.4	109

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19	Laforin preferentially binds the neurotoxic starch-like polyglucosans, which form in its absence in progressive myoclonus epilepsy. Human Molecular Genetics, 2004, 13, 1117-1129.	2.9	101
20	Genome-wide association mapping identifies multiple loci for a canine SLE-related disease complex. Nature Genetics, 2010, 42, 250-254.	21.4	99
21	Prevalence, comorbidity, and behavioral variation in canine anxiety. Journal of Veterinary Behavior: Clinical Applications and Research, 2016, 16, 36-44.	1.2	98
22	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.	1.7	95
23	Functional Significance and Clinical Phenotype of Nontruncating Mismatch Repair Variants of. Gastroenterology, 2005, 129, 537-549.	1.3	89
24	Altered Expression of MLH1, MSH2, and MSH6 in Predisposition to Hereditary Nonpolyposis Colorectal Cancer. Journal of Clinical Oncology, 2003, 21, 3629-3637.	1.6	88
25	LGI2 Truncation Causes a Remitting Focal Epilepsy in Dogs. PLoS Genetics, 2011, 7, e1002194.	3.5	88
26	Novel origins of copy number variation in the dog genome. Genome Biology, 2012, 13, R73.	9.6	86
27	Early Life Experiences and Exercise Associate with Canine Anxieties. PLoS ONE, 2015, 10, e0141907.	2.5	86
28	Identification of a basolateral Cl^{â^'}/HCO 3 â^' exchanger specific to gastric parietal cells. American Journal of Physiology - Renal Physiology, 2003, 284, G1093-G1103.	3.4	81
29	Prevalence, comorbidity, and breed differences in canine anxiety in 13,700 Finnish pet dogs. Scientific Reports, 2020, 10, 2962.	3.3	81
30	Sacred disease secrets revealed: the genetics of human epilepsy. Human Molecular Genetics, 2005, 14, 2491-2500.	2.9	80
31	Early-onset Lafora body disease. Brain, 2012, 135, 2684-2698.	7.6	76
32	Clinical and Genetic Findings in 26 Italian Patients with Lafora Disease. Epilepsia, 2006, 47, 640-643.	5.1	71
33	Dog10K: an international sequencing effort to advance studies of canine domestication, phenotypes and health. National Science Review, 2019, 6, 810-824.	9.5	65
34	Frequency and distribution of 152 genetic disease variants in over 100,000 mixed breed and purebred dogs. PLoS Genetics, 2018, 14, e1007361.	3.5	62
35	The congenital chloride diarrhea gene is expressed in seminal vesicle, sweat gland, inflammatory colon epithelium, and in some dysplastic colon cells. Histochemistry and Cell Biology, 2000, 113, 279-286.	1.7	59
36	Lafora progressive myoclonus epilepsy mutation database-EPM2A and NHLRC1 (EMP2B) genes. Human Mutation, 2005, 26, 397-397.	2.5	59

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37	Critical evaluation of the use of dogs in biomedical research and testing in Europe. ALTEX: Alternatives To Animal Experimentation, 2011, 28, 326-340.	1.5	57
38	Environmental Effects on Compulsive Tail Chasing in Dogs. PLoS ONE, 2012, 7, e41684.	2.5	56
39	Reliability and validity of a questionnaire survey in canine anxiety research. Applied Animal Behaviour Science, 2014, 155, 82-92.	1.9	56
40	Inadequate socialisation, inactivity, and urban living environment are associated with social fearfulness in pet dogs. Scientific Reports, 2020, 10, 3527.	3.3	56
41	AnADAMTS17Splice Donor Site Mutation in Dogs with Primary Lens Luxation. , 2010, 51, 4716.		55
42	A Novel Mutation in the Maternally Imprinted PEG3 Domain Results in a Loss of MIMT1 Expression and Causes Abortions and Stillbirths in Cattle (Bos taurus). PLoS ONE, 2010, 5, e15116.	2.5	55
43	Extent of Linkage Disequilibrium in the Domestic Cat, Felis silvestris catus, and Its Breeds. PLoS ONE, 2013, 8, e53537.	2.5	54
44	Upregulation of CFTR expression but not SLC26A3 and SLC9A3 in ulcerative colitis. American Journal of Physiology - Renal Physiology, 2002, 283, G567-G575.	3.4	53
45	Feline toxoplasmosis in Finland. Journal of Veterinary Diagnostic Investigation, 2012, 24, 1115-1124.	1.1	53
46	A SEL1L Mutation Links a Canine Progressive Early-Onset Cerebellar Ataxia to the Endoplasmic Reticulumâ€“Associated Protein Degradation (ERAD) Machinery. PLoS Genetics, 2012, 8, e1002759.	3.5	52
47	Balancing selection and heterozygote advantage in major histocompatibility complex loci of the bottlenecked Finnish wolf population. Molecular Ecology, 2014, 23, 875-889.	3.9	52
48	Benign Familial Juvenile Epilepsy in Lagotto Romagnolo Dogs. Journal of Veterinary Internal Medicine, 2007, 21, 464-471.	1.6	51
49	Skin microbiota and allergic symptoms associate with exposure to environmental microbes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4897-4902.	7.1	51
50	III. Congenital chloride diarrhea. American Journal of Physiology - Renal Physiology, 1999, 276, G7-G13.	3.4	48
51	MHC class II polymorphism is associated with a canine SLE-related disease complex. Immunogenetics, 2009, 61, 557-564.	2.4	48
52	Disease Progression and Treatment Response of Idiopathic Epilepsy in<scp>A</scp>ustralian<scp>S</scp>hepherd Dogs. Journal of Veterinary Internal Medicine, 2012, 26, 116-125.	1.6	48
53	A Missense Change in the ATG4D Gene Links Aberrant Autophagy to a Neurodegenerative Vacuolar Storage Disease. PLoS Genetics, 2015, 11, e1005169.	3.5	48
54	Expression of Foxi3 is regulated by ectodysplasin in skin appendage placodes. Developmental Dynamics, 2013, 242, 593-603.	1.8	47

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55	In frame exon skipping in UBE3B is associated with developmental disorders and increased mortality in cattle. BMC Genomics, 2014, 15, 890.	2.8	47
56	Domesticated Animal Biobanking: Land of Opportunity. PLoS Biology, 2016, 14, e1002523.	5.6	47
57	Genome-Wide Association Study in Dachshund: Identification of a Major Locus Affecting Intervertebral Disc Calcification. Journal of Heredity, 2011, 102, S81-S86.	2.4	45
58	ADAMTS17 mutation associated with primary lens luxation is widespread among breeds. Veterinary Ophthalmology, 2011, 14, 378-384.	1.0	44
59	Identification of a Novel Idiopathic Epilepsy Locus in Belgian Shepherd Dogs. PLoS ONE, 2012, 7, e33549.	2.5	44
60	Breed Differences in Natriuretic Peptides in Healthy Dogs. Journal of Veterinary Internal Medicine, 2014, 28, 451-457.	1.6	44
61	The canine era: the rise of a biomedical model. Animal Genetics, 2016, 47, 519-527.	1.7	44
62	Matrix metalloproteinase-21, the human orthologue for XMMP, is expressed during fetal development and in cancer. Gene, 2002, 301, 31-41.	2.2	43
63	Genetic Panel Screening of Nearly 100 Mutations Reveals New Insights into the Breed Distribution of Risk Variants for Canine Hereditary Disorders. PLoS ONE, 2016, 11, e0161005.	2.5	43
64	Globin mRNA reduction for whole-blood transcriptome sequencing. Scientific Reports, 2016, 6, 31584.	3.3	42
65	Generalized myoclonic epilepsy with photosensitivity in juvenile dogs caused by a defective DIRAS family GTPase 1. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2669-2674.	7.1	39
66	Assessment of canine BEST1 variations identifies new mutations and establishes an independent bestrophinopathy model (cmr3). Molecular Vision, 2010, 16, 2791-804.	1.1	39
67	Genetic diagnosis in Lafora disease: Genotype-phenotype correlations and diagnostic pitfalls. Neurology, 2007, 68, 996-1001.	1.1	38
68	A frameshift mutation in ARMC3 is associated with a tail stump sperm defect in Swedish Red (Bos) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	38
69	Applications and efficiencies of the first cat 63K DNA array. Scientific Reports, 2018, 8, 7024.	3.3	38
70	A CNGB1 Frameshift Mutation in Papillon and PhalÃ¨ne Dogs with Progressive Retinal Atrophy. PLoS ONE, 2013, 8, e72122.	2.5	38
71	Association of a dog leukocyte antigen class II haplotype with hypoadrenocorticism in Nova Scotia Duck Tolling Retrievers. Tissue Antigens, 2010, 75, 684-690.	1.0	37
72	A COL11A2 Mutation in Labrador Retrievers with Mild Disproportionate Dwarfism. PLoS ONE, 2013, 8, e60149.	2.5	37

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73	Canine models of human rare disorders. Rare Diseases (Austin, Tex), 2016, 4, e1241362.	1.8	37
74	Urban environment predisposes dogs and their owners to allergic symptoms. Scientific Reports, 2018, 8, 1585.	3.3	37
75	Glycogen metabolism in tissues from a mouse model of Lafora disease. Archives of Biochemistry and Biophysics, 2007, 457, 264-269.	3.0	35
76	A Mutation in the SUV39H2 Gene in Labrador Retrievers with Hereditary Nasal Parakeratosis (HNPK) Provides Insights into the Epigenetics of Keratinocyte Differentiation. PLoS Genetics, 2013, 9, e1003848.	3.5	35
77	Ancestral T-Box Mutation Is Present in Many, but Not All, Short-Tailed Dog Breeds. Journal of Heredity, 2009, 100, 236-240.	2.4	34
78	A Novel Missense Mutation in ADAMTS10 in Norwegian Elkhound Primary Glaucoma. PLoS ONE, 2014, 9, e111941.	2.5	34
79	Diagnostic Utility of Wireless Videoâ€Electroencephalography in Unsedated Dogs. Journal of Veterinary Internal Medicine, 2017, 31, 1469-1476.	1.6	34
80	A non-targeted metabolite profiling pilot study suggests that tryptophan and lipid metabolisms are linked with ADHD-like behaviours in dogs. Behavioral and Brain Functions, 2016, 12, 27.	3.3	33
81	Early weaning increases aggression and stereotypic behaviour in cats. Scientific Reports, 2017, 7, 10412.	3.3	33
82	Breed differences of heritable behaviour traits in cats. Scientific Reports, 2019, 9, 7949.	3.3	33
83	Canine Chondrodysplasia Caused by a Truncating Mutation in Collagen-Binding Integrin Alpha Subunit 10. PLoS ONE, 2013, 8, e75621.	2.5	33
84	Regional occurrence, high frequency but low diversity of mitochondrial DNA haplogroup d1 suggests a recent dog-wolf hybridization in Scandinavia. Animal Genetics, 2011, 42, 100-103.	1.7	32
85	Molecular Characterization of Three Canine Models of Human Rare Bone Diseases: Caffey, van den Ende-Gupta, and Raine Syndromes. PLoS Genetics, 2016, 12, e1006037.	3.5	32
86	Behavioral Abnormalities in Lagotto Romagnolo Dogs with a History of Benign Familial Juvenile Epilepsy: A Longâ€Term Followâ€Up Study. Journal of Veterinary Internal Medicine, 2015, 29, 1081-1087.	1.6	30
87	Precision Medicine in Cats: Novel Niemannâ€Pick Type C1 Diagnosed by Wholeâ€Genome Sequencing. Journal of Veterinary Internal Medicine, 2017, 31, 539-544.	1.6	30
88	Two novel genomic regions associated with fearfulness in dogs overlap human neuropsychiatric loci. Translational Psychiatry, 2019, 9, 18.	4.8	30
89	Characteristics of epileptic episodes in UK dog breeds: an epidemiological approach. Veterinary Record, 2011, 169, 48-48.	0.3	29
90	Ectopic KIT Copy Number Variation Underlies Impaired Migration of Primordial Germ Cells Associated with Gonadal Hypoplasia in Cattle (Bos taurus). PLoS ONE, 2013, 8, e75659.	2.5	29

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91	Mutations in the Kinesin-2 Motor KIF3B Cause an Autosomal-Dominant Ciliopathy. American Journal of Human Genetics, 2020, 106, 893-904.	6.2	29
92	Mutation in HSF4 is associated with hereditary cataract in the Australian Shepherd. Veterinary Ophthalmology, 2009, 12, 372-378.	1.0	28
93	Non-targeted metabolite profiling reveals changes in oxidative stress, tryptophan and lipid metabolisms in fearful dogs. Behavioral and Brain Functions, 2016, 12, 7.	3.3	28
94	Aggressive behaviour is affected by demographic, environmental and behavioural factors in purebred dogs. Scientific Reports, 2021, 11, 9433.	3.3	27
95	Risk of anal furunculosis in German Shepherd dogs is associated with the major histocompatibility complex. Tissue Antigens, 2007, 71, 071114170606005-???.	1.0	26
96	Association of Doberman hepatitis to canine major histocompatibility complex II. Tissue Antigens, 2011, 77, 30-35.	1.0	26
97	Toxoplasma gondii seroprevalence varies by cat breed. PLoS ONE, 2017, 12, e0184659.	2.5	26
98	MKLN1 splicing defect in dogs with lethal acrodermatitis. PLoS Genetics, 2018, 14, e1007264.	3.5	26
99	A Gly98Val Mutation in the N-Myc Downstream Regulated Gene 1 (NDRG1) in Alaskan Malamutes with Polyneuropathy. PLoS ONE, 2013, 8, e54547.	2.5	25
100	Identification of a common risk haplotype for canine idiopathic epilepsy in the ADAM23 gene. BMC Genomics, 2015, 16, 465.	2.8	25
101	SLC26A6 and SLC26A7 Anion Exchangers Have a Distinct Distribution in Human Kidney. Nephron Experimental Nephrology, 2005, 101, e50-e58.	2.2	24
102	Two <scp>MC</scp>1R lossâ€ofâ€function alleles in creamâ€coloured Australian Cattle Dogs and white Huskies. Animal Genetics, 2018, 49, 284-290.	1.7	24
103	Dog colour patterns explained by modular promoters of ancient canid origin. Nature Ecology and Evolution, 2021, 5, 1415-1423.	7.8	24
104	A Nonsense Mutation in the Acid Î±-Glucosidase Gene Causes Pompe Disease in Finnish and Swedish Lapphunds. PLoS ONE, 2013, 8, e56825.	2.5	24
105	Genome-Wide Association Study Identifies a Novel Canine Glaucoma Locus. PLoS ONE, 2013, 8, e70903.	2.5	23
106	MHC class II risk haplotype associated with Canine chronic superficial keratitis in German Shepherd dogs. Veterinary Immunology and Immunopathology, 2011, 140, 37-41.	1.2	22
107	Early-Onset Progressive Retinal Atrophy Associated with an IQCB1 Variant in African Black-Footed Cats (Felis nigripes). Scientific Reports, 2017, 7, 43918.	3.3	22
108	Active and social life is associated with lower non-social fearfulness in pet dogs. Scientific Reports, 2020, 10, 13774.	3.3	22

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109	Benign Familial Juvenile Epilepsy in Lagotto Romagnolo Dogs. Journal of Veterinary Internal Medicine, 2007, 21, 464.	1.6	22
110	Multiple Changes of Gene Expression and Function Reveal Genomic and Phenotypic Complexity in SLE-like Disease. PLoS Genetics, 2015, 11, e1005248.	3.5	21
111	NME5 frameshift variant in Alaskan Malamutes with primary ciliary dyskinesia. PLoS Genetics, 2019, 15, e1008378.	3.5	21
112	Variation in Genes Related to Cochlear Biology Is Strongly Associated with Adult-Onset Deafness in Border Collies. PLoS Genetics, 2012, 8, e1002898.	3.5	20
113	A Novel GUSB Mutation in Brazilian Terriers with Severe Skeletal Abnormalities Defines the Disease as Mucopolysaccharidosis VII. PLoS ONE, 2012, 7, e40281.	2.5	20
114	A Novel Form of Progressive Retinal Atrophy in Swedish Vallhund Dogs. PLoS ONE, 2014, 9, e106610.	2.5	19
115	Exploration of known stereotypic behaviour-related candidate genes in equine crib-biting. Animal, 2014, 8, 347-353.	3.3	19
116	The effect of a pressure vest on the behaviour, salivary cortisol and urine oxytocin of noise phobic dogs in a controlled test. Applied Animal Behaviour Science, 2016, 185, 86-94.	1.9	19
117	ADAM23 is a common risk gene for canine idiopathic epilepsy. BMC Genetics, 2017, 18, 8.	2.7	18
118	Exome sequencing reveals independent SGCD deletions causing limb girdle muscular dystrophy in Boston terriers. Skeletal Muscle, 2017, 7, 15.	4.2	18
119	Simultaneous allergic traits in dogs and their owners are associated with living environment, lifestyle and microbial exposures. Scientific Reports, 2020, 10, 21954.	3.3	18
120	A FAS-ligand variant associated with autoimmune lymphoproliferative syndrome in cats. Mammalian Genome, 2017, 28, 47-55.	2.2	17
121	Fearful dogs have increased plasma glutamine and Î³-glutamyl glutamine. Scientific Reports, 2018, 8, 15976.	3.3	17
122	Maternal Inheritance of a Recessive RBP4 Defect in Canine Congenital Eye Disease. Cell Reports, 2018, 23, 2643-2652.	6.4	17
123	Metabolome of canine and human saliva: a non-targeted metabolomics study. Metabolomics, 2020, 16, 90.	3.0	17
124	MHC variability supports dog domestication from a large number of wolves: high diversity in Asia. Heredity, 2013, 110, 80-85.	2.6	16
125	Health and Behavioral Survey of over 8000 Finnish Cats. Frontiers in Veterinary Science, 2016, 3, 70.	2.2	16
126	Basal Autophagy Is Altered in Lagotto Romagnolo Dogs with an ATG4D Mutation. Veterinary Pathology, 2017, 54, 953-963.	1.7	16

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127	Absence Seizures as a Feature of Juvenile Myoclonic Epilepsy in Rhodesian Ridgeback Dogs. Journal of Veterinary Internal Medicine, 2018, 32, 428-432.	1.6	16
128	First genome-wide CNV mapping in FELIS CATUS using next generation sequencing data. BMC Genomics, 2018, 19, 895.	2.8	16
129	Interbreed variation in serum serotonin (5-hydroxytryptamine) concentration in healthy dogs. Journal of Veterinary Cardiology, 2018, 20, 244-253.	0.9	16
130	A novel KRT71 variant in curlyâ€coated dogs. Animal Genetics, 2019, 50, 101-104.	1.7	16
131	Seizure frequency discrepancy between subjective and objective ictal electroencephalography data in dogs. Journal of Veterinary Internal Medicine, 2021, 35, 1819-1825.	1.6	16
132	Novel splicing associations of hereditary colon cancer related DNA mismatch repair gene mutations. Journal of Medical Genetics, 2004, 41, e95-e95.	3.2	15
133	Comprehensive diagnosis of Rett's syndrome relying on genetic, epigenetic and expression evidence of deficiency of the methyl-CpG-binding protein 2 gene: study of a cohort of Israeli patients. Journal of Medical Genetics, 2006, 43, e56-e56.	3.2	15
134	DLA class II risk haplotypes for autoimmune diseases in the bearded collie offer insight to autoimmunity signatures across dog breeds. Canine Genetics and Epidemiology, 2019, 6, 2.	2.8	15
135	Restoring mismatch repair does not stop the formation of reciprocal translocations in the colon cancer cell line HCA7 but further destabilizes chromosome number. Oncogene, 2005, 24, 706-713.	5.9	14
136	Phenotype, inheritance characteristics, and risk factors for idiopathic epilepsy in Finnish Spitz dogs. Journal of the American Veterinary Medical Association, 2013, 243, 1001-1009.	0.5	14
137	Genetics of canine anal furunculosis in the German shepherd dog. Immunogenetics, 2014, 66, 311-324.	2.4	14
138	A novel canine nuclear magnetic resonance spectroscopyâ€based metabolomics platform: Validation and sample handling. Veterinary Clinical Pathology, 2021, 50, 410-426.	0.7	14
139	Canine hyperactivity, impulsivity, and inattention share similar demographic risk factors and behavioural comorbidities with human ADHD. Translational Psychiatry, 2021, 11, 501.	4.8	14
140	ANLN truncation causes a familial fatal acute respiratory distress syndrome in Dalmatian dogs. PLoS Genetics, 2017, 13, e1006625.	3.5	14
141	Investigation of rare and low-frequency variants using high-throughput sequencing with pooled DNA samples. Scientific Reports, 2016, 6, 33256.	3.3	13
142	Nonsense variant in COL7A1 causes recessive dystrophic epidermolysis bullosa in Central Asian Shepherd dogs. PLoS ONE, 2017, 12, e0177527.	2.5	13
143	Genetic dissection of canine hip dysplasia phenotypes and osteoarthritis reveals three novel loci. BMC Genomics, 2019, 20, 1027.	2.8	13
144	A Missense Variant Affecting the C-Terminal Tail of UNC93B1 in Dogs with Exfoliative Cutaneous Lupus Erythematosus (ECLE). Genes, 2020, 11, 159.	2.4	13

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145	Reliable wolf-dog hybrid detection in Europe using a reduced SNP panel developed for non-invasively collected samples. BMC Genomics, 2021, 22, 473.	2.8	13
146	Genetic rescue of an endangered domestic animal through outcrossing with closely related breeds: A case study of the Norwegian Lundehund. PLoS ONE, 2017, 12, e0177429.	2.5	13
147	Age, breed, sex and diet influence serum metabolite profiles of 2000 pet dogs. Royal Society Open Science, 2022, 9, 211642.	2.4	13
148	Myotonia congenita in a Labrador Retriever with truncated CLCN1. Neuromuscular Disorders, 2018, 28, 597-605.	0.6	12
149	Canine models of human amelogenesis imperfecta: identification of novel recessive ENAM and ACP4 variants. Human Genetics, 2019, 138, 525-533.	3.8	12
150	Effect of prior general anesthesia or sedation and antiseizure drugs on the diagnostic utility of wireless video electroencephalography in dogs. Journal of Veterinary Internal Medicine, 2020, 34, 1967-1974.	1.6	12
151	Assessment of the functionality of genome-wide canine SNP arrays and implications for canine disease association studies. Animal Genetics, 2011, 42, 181-190.	1.7	11
152	Truncation of MIMT1 Gene in the PEG3 Domain Leads to Major Changes in Placental Gene Expression and Stillbirth in Cattle1. Biology of Reproduction, 2012, 87, 140.	2.7	11
153	Deep sequencing of a candidate region harboring the <scp>SOX</scp>9 gene for the canine <scp>XX</scp> disorder of sex development. Animal Genetics, 2017, 48, 330-337.	1.7	11
154	Association study reveals novel risk loci for sporadic inclusion body myositis. European Journal of Neurology, 2017, 24, 572-577.	3.3	11
155	The Endo-Lysosomal System of Brain Endothelial Cells Is Influenced by Astrocytes In Vitro. Molecular Neurobiology, 2018, 55, 8522-8537.	4.0	11
156	Assessment of databases to determine the validity of Î²- and Î³-carbonic anhydrase sequences from vertebrates. BMC Genomics, 2020, 21, 352.	2.8	11
157	A homozygous missense variant in the alkaline phosphatase gene ALPL is associated with a severe form of canine hypophosphatasia. Scientific Reports, 2019, 9, 973.	3.3	11
158	A Coding Variant in the Gene Bardet-Biedl Syndrome 4 (BBS4) Is Associated with a Novel Form of Canine Progressive Retinal Atrophy. G3: Genes, Genomes, Genetics, 2017, 7, 2327-2335.	1.8	11
159	Segregation of point mutation heteroplasmy in the control region of dog mtDNA studied systematically in deep generation pedigrees. International Journal of Legal Medicine, 2011, 125, 527-535.	2.2	10
160	Paroxysmal Dyskinesia in Border Terriers: Clinical, Epidemiological, and Genetic Investigations. Journal of Veterinary Internal Medicine, 2017, 31, 1123-1131.	1.6	10
161	An intronic LINE-1 insertion in MERTK is strongly associated with retinopathy in Swedish Vallhund dogs. PLoS ONE, 2017, 12, e0183021.	2.5	10
162	Breedâ€specific reference ranges for standard echocardiographic measurements in salukis. Journal of Small Animal Practice, 2019, 60, 374-378.	1.2	10

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163	A frameshift insertion in SGK3 leads to recessive hairlessness in Scottish Deerhounds: a candidate gene for human alopecia conditions. Human Genetics, 2019, 138, 535-539.	3.8	10
164	A novel genomic region on chromosome 11 associated with fearfulness in dogs. Translational Psychiatry, 2020, 10, 169.	4.8	10
165	webGQT: A Shiny Server for Genotype Query Tools for Model-Based Variant Filtering. Frontiers in Genetics, 2020, 11, 152.	2.3	10
166	Reliability and Validity of a Dog Personality and Unwanted Behavior Survey. Animals, 2021, 11, 1234.	2.3	10
167	Characterisation of canine KCNIP4: A novel gene for cerebellar ataxia identified by whole-genome sequencing two affected Norwegian Buhund dogs. PLoS Genetics, 2020, 16, e1008527.	3.5	10
168	Sacred disease secrets revealed: the genetics of human epilepsy. Human Molecular Genetics, 2005, 14 Spec No. 2, 2491-2500.	2.9	10
169	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.	1.6	9
170	Novel protective and risk loci in hip dysplasia in German Shepherds. PLoS Genetics, 2019, 15, e1008197.	3.5	9
171	TSEN54 missense variant in Standard Schnauzers with leukodystrophy. PLoS Genetics, 2019, 15, e1008411.	3.5	9
172	Thoracic high resolution CT using the modified VetMousetrapâ„¢ device is a feasible method for diagnosing canine idiopathic pulmonary fibrosis in awake West Highland White Terriers. Veterinary Radiology and Ultrasound, 2019, 60, 525-532.	0.9	9
173	A putative silencer variant in a spontaneous canine model of retinitis pigmentosa. PLoS Genetics, 2020, 16, e1008659.	3.5	9
174	Canine DVL2 variant contributes to brachycephalic phenotype and caudal vertebral anomalies. Human Genetics, 2021, 140, 1535-1545.	3.8	9
175	Mining the 99 Lives Cat Genome Sequencing Consortium database implicates genes and variants for the Ticked locus in domestic cats (FelisÂcatus). Animal Genetics, 2021, 52, 321-332.	1.7	9
176	In-frame deletion in canine PITRM1 is associated with a severe early-onset epilepsy, mitochondrial dysfunction and neurodegeneration. Human Genetics, 2021, 140, 1593-1609.	3.8	9
177	Reliability and Validity of Seven Feline Behavior and Personality Traits. Animals, 2021, 11, 1991.	2.3	9
178	On the road to tractability: the current biochemical understanding of progressive myoclonus epilepsies. Advances in Neurology, 2006, 97, 399-415.	0.8	9
179	Exonic mutations in the L2HGDH gene in Staffordshire bull terriers. Veterinary Record, 2010, 167, 455-457.	0.3	8
180	Recessive missense LAMP3 variant associated with defect in lamellar body biogenesis and fatal neonatal interstitial lung disease in dogs. PLoS Genetics, 2020, 16, e1008651.	3.5	8

#	Article	IF	Citations
181	Genome wide association study of 40 clinical measurements in eight dog breeds. Scientific Reports, 2020, 10, 6520.	3.3	8
182	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.	2.5	8
183	Conditional nuclear localization of hMLH3 suggests a minor activity in mismatch repair and supports its role as a low-risk gene in HNPCC. Oncology Reports, 2007, 17, 351.	2.6	7
184	Phosphorylation prevents polyglucosan transport in Lafora disease. Neurology, 2012, 79, 100-102.	1.1	7
185	Increased Expression of MERTK is Associated with a Unique Form of Canine Retinopathy. PLoS ONE, 2014, 9, e114552.	2.5	7
186	An across-breed validation study of 46 genetic markers in canine hip dysplasia. BMC Genomics, 2021, 22, 68.	2.8	7
187	Serum NMR metabolomics uncovers multiple metabolic changes in phenobarbital-treated dogs. Metabolomics, 2021, 17, 54.	3.0	7
188	Validation of a Chromosome 14 Risk Haplotype for Idiopathic Epilepsy in the Belgian Shepherd Dog Found to Be Associated with an Insertion in the RAPGEF5 Gene. Genes, 2022, 13, 1124.	2.4	7
189	Whole Genome Sequencing of Giant Schnauzer Dogs with Progressive Retinal Atrophy Establishes NECAP1 as a Novel Candidate Gene for Retinal Degeneration. Genes, 2019, 10, 385.	2.4	6
190	Ventricular arrhythmia and sudden cardiac death in young Leonbergers. Journal of Veterinary Cardiology, 2020, 27, 10-22.	0.9	6
191	Multi-omic analyses in Abyssinian cats with primary renal amyloid deposits. Scientific Reports, 2021, 11, 8339.	3.3	6
192	Metabolomic serum abnormalities in dogs with hepatopathies. Scientific Reports, 2022, 12, 5329.	3.3	6
193	Generation of RNA sequencing libraries for transcriptome analysis of globin-rich tissues of the domestic dog. STAR Protocols, 2021, 2, 100995.	1.2	6
194	Fetal growth restriction caused by MIMT1 deletion alters brain transcriptome in cattle. International Journal of Developmental Neuroscience, 2013, 31, 463-467.	1.6	5
195	Dog Ownership from a Life Course Perspective and Leisure-time Physical Activity in Late Adulthood: The Helsinki Birth Cohort Study. American Journal of Health Behavior, 2018, 42, 11-18.	1.4	5
196	Assembly and Analysis of Unmapped Genome Sequence Reads Reveal Novel Sequence and Variation in Dogs. Scientific Reports, 2018, 8, 10862.	3.3	5
197	Improving the resolution of canine genomeâ€wide association studies using genotype imputation: A study of two breeds. Animal Genetics, 2021, 52, 703-713.	1.7	5
198	Personality traits associate with behavioral problems in pet dogs. Translational Psychiatry, 2022, 12, 78.	4.8	5

#	Article	IF	Citations
199	Aggressiveness, ADHD-like behaviour, and environment influence repetitive behaviour in dogs. Scientific Reports, 2022, 12, 3520.	3.3	5
200	Interbreed variation of biomarkers of lipid and glucose metabolism in dogs. Veterinary Clinical Pathology, 2018, 47, 582-588.	0.7	4
201	Genetic characterization of Addisonâ€™s disease in Bearded Collies. BMC Genomics, 2020, 21, 833.	2.8	4
202	Whole Genome Sequencing Indicates Heterogeneity of Hyperostotic Disorders in Dogs. Genes, 2020, 11, 163.	2.4	4
203	Intronic variant in POU1F1 associated with canine pituitary dwarfism. Human Genetics, 2021, 140, 1553-1562.	3.8	4
204	A missense variant in IFT122 associated with a canine model of retinitis pigmentosa. Human Genetics, 2021, 140, 1569-1579.	3.8	4
205	A hypomyelinating leukodystrophy in German Shepherd dogs. Journal of Veterinary Internal Medicine, 2021, 35, 1455-1465.	1.6	4
206	Missense variant in LOXHD1 is associated with canine nonsyndromic hearing loss. Human Genetics, 2021, 140, 1611-1618.	3.8	4
207	Historical and socialâ€“cultural processes as drivers for genetic structure in Nordic domestic reindeer. Ecology and Evolution, 2021, 11, 8910-8922.	1.9	4
208	AncesTrim - a tool for trimming complex pedigrees. Journal of Open Source Software, 2017, 2, 179.	4.6	4
209	A Missense Variant in the Bardet-Biedl Syndrome 2 Gene (BBS2) Leads to a Novel Syndromic Retinal Degeneration in the Shetland Sheepdog. Genes, 2021, 12, 1771.	2.4	4
210	Genetic epidemiology of blood type, disease and trait variants, and genome-wide genetic diversity in over 11,000 domestic cats. PLoS Genetics, 2022, 18, e1009804.	3.5	4
211	Association between dog ownership and type 2 diabetes in later life: the Helsinki birth cohort study. International Journal of Circumpolar Health, 2019, 78, 1611328.	1.2	3
212	Genomeâ€wide association study in mice identifies loci affecting liverâ€related phenotypes including Sel1l influencing serum bile acids. Hepatology, 2016, 63, 1943-1956.	7.3	2
213	Altered Basal Autophagy Affects Extracellular Vesicle Release in Cells of Lagotto Romagnolo Dogs With a Variant ATG4D. Veterinary Pathology, 2020, 57, 926-935.	1.7	2
214	Clinical and Genetic Findings in 28 American Cocker Spaniels with Aural Ceruminous Gland Hyperplasia and Ectasia. Journal of Comparative Pathology, 2021, 185, 30-44.	0.4	2
215	Whole Genome Sequencing Reveals Multiple Linked Genetic Variants on Canine Chromosome 12 Associated with Risk for Symmetrical Lupoid Onychodystrophy (SLO) in the Bearded Collie. Genes, 2021, 12, 1265.	2.4	2
216	Formal commentary. PLoS Genetics, 2020, 16, e1009059.	3.5	2

#	Article	IF	Citations
217	High serum creatinine concentration is associated with metabolic perturbations in dogs. Journal of Veterinary Internal Medicine, 2021, 35, 405-414.	1.6	2
218	Seasonal variation in serum metabolites of northern European dogs. Journal of Veterinary Internal Medicine, 2022, 36, 190-195.	1.6	2
219	Metabolomic Abnormalities in Serum from Untreated and Treated Dogs with Hyper- and Hypoadrenocorticism. Metabolites, 2022, 12, 339.	2.9	2
220	Evaluation of DLA promoters in Doberman hepatitis. Tissue Antigens, 2011, 78, 446-450.	1.0	1
221	No evidence of prenatal diversifying selection at locus or supertype levels in the dog MHC class II loci. Canine Genetics and Epidemiology, 2016, 3, 9.	2.8	1
222	Novel Locus Associated with Symmetrical Lupoid Onychodystrophy in the Bearded Collie. Genes, 2019, 10, 635.	2.4	1
223	Canine reference genome accuracy impacts variant calling: Lessons learned from investigating embryonic lethal variants. Animal Genetics, 2022, 53, 706-708.	1.7	1
224	Canine MPV17 truncation without clinical manifestations. Biology Open, 2015, 4, 1253-1258.	1.2	0
225	Association study reveals novel genetic risk factors associated with sporadic inclusion body myositis. Neuromuscular Disorders, 2016, 26, S162.	0.6	0
226	Genetics of neurological disease in the dog.. , 2012, , 189-217.		0
227	Metabolomic serum abnormalities in dogs with hepatopathies: Congenital portosystemic shunts versus high liver enzyme activities. Tierarztliche Praxis Ausgabe K: Kleintiere - Heimtiere, 2022, 50, .	0.5	0
228	TSEN54 missense variant in Standard Schnauzers with leukodystrophy. , 2019, 15, e1008411.		0
229	TSEN54 missense variant in Standard Schnauzers with leukodystrophy. , 2019, 15, e1008411.		0
230	TSEN54 missense variant in Standard Schnauzers with leukodystrophy. , 2019, 15, e1008411.		0
231	TSEN54 missense variant in Standard Schnauzers with leukodystrophy. , 2019, 15, e1008411.		0