Danika L Bannasch

List of Publications by Year
in descending order

98 papers	4,751 citations	136740 32 h-index	106150 65 g-index
105 all docs	105 docs citations	105 times ranked	5092 citing authors

#	Article	IF	Citations
1	The Effects of FGF4 Retrogenes on Canine Morphology. Genes, 2022, 13, 325.	1.0	7
2	Canine reference genome accuracy impacts variant calling: Lessons learned from investigating embryonic lethal variants. Animal Genetics, 2022, 53, 706-708.	0.6	1
3	SLC25A12 Missense Variant in Nova Scotia Duck Tolling Retrievers Affected by Cerebellar Degenerationâ€"Myositis Complex (CDMC). Genes, 2022, 13, 1223.	1.0	2
4	Special Issue â€œMolecular Basis of Inherited Diseases in Companion Animalsâ€. Genes, 2021, 12, 68.	1.0	0
5	Canine DVL2 variant contributes to brachycephalic phenotype and caudal vertebral anomalies. Human Genetics, 2021, 140, 1535-1545.	1.8	9
6	Variants at the ASIP locus contribute to coat color darkening in Nellore cattle. Genetics Selection Evolution, 2021, 53, 40.	1.2	25
7	Improving the resolution of canine genomeâ€wide association studies using genotype imputation: A study of two breeds. Animal Genetics, 2021, 52, 703-713.	0.6	5
8	Dog colour patterns explained by modular promoters of ancient canid origin. Nature Ecology and Evolution, 2021, 5, 1415-1423.	3.4	24
9	The effect of inbreeding, body size and morphology on health in dog breeds. Canine Medicine and Genetics, 2021, 8, 12.	1.4	26
10	Current Understanding of the Genetics of Intervertebral Disc Degeneration. Frontiers in Veterinary Science, 2020, 7, 431.	0.9	28
11	Multiple FGF4 Retrocopies Recently Derived within Canids. Genes, 2020, 11, 839.	1.0	12
12	A Missense Variant in ALDH5A1 Associated with Canine Succinic Semialdehyde Dehydrogenase Deficiency (SSADHD) in the Saluki Dog. Genes, 2020, 11, 1033.	1.0	3
13	ATP2A2 SINE Insertion in an Irish Terrier with Darier Disease and Associated Infundibular Cyst Formation. Genes, 2020, 11, 481.	1.0	5
14	Genetic Variants Affecting Skeletal Morphology in Domestic Dogs. Trends in Genetics, 2020, 36, 598-609.	2.9	15
15	Novel Brown Coat Color (Cocoa) in French Bulldogs Results from a Nonsense Variant in HPS3. Genes, 2020, 11, 636.	1.0	6
16	Quality of DNA extracted from formalin-fixed, paraffin-embedded canine tissues. Journal of Veterinary Diagnostic Investigation, 2020, 32, 556-559.	0.5	2
17	Quantitative Translation of Dog-to-Human Aging by Conserved Remodeling of the DNA Methylome. Cell Systems, 2020, 11, 176-185.e6.	2.9	67
18	A Missense Variant Affecting the C-Terminal Tail of UNC93B1 in Dogs with Exfoliative Cutaneous Lupus Erythematosus (ECLE). Genes, 2020, 11, 159.	1.0	13

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19	Pigment Intensity in Dogs is Associated with a Copy Number Variant Upstream of KITLG. Genes, 2020, 11, 75.	1.0	27
20	Whole genome sequencing for mutation discovery in a single case of lysosomal storage disease (MPS) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	7
21	Genetic Tests for Large Animals. , 2020, , 1709-1716.e5.		0
22	A comprehensive biomedical variant catalogue based on whole genome sequences of 582 dogs and eight wolves. Animal Genetics, 2019, 50, 695-704.	0.6	138
23	NME5 frameshift variant in Alaskan Malamutes with primary ciliary dyskinesia. PLoS Genetics, 2019, 15, e1008378.	1.5	21
24	Pathologic Features of the Intervertebral Disc in Young Nova Scotia Duck Tolling Retrievers Confirms Chondrodystrophy Degenerative Phenotype Associated With Genotype. Veterinary Pathology, 2019, 56, 895-902.	0.8	13
25	Phenotypic Effects of FGF4 Retrogenes on Intervertebral Disc Disease in Dogs. Genes, 2019, 10, 435.	1.0	33
26	Evaluation of the major histocompatibility complex (MHC) class II as a candidate for sudden acquired retinal degeneration syndrome (SARDS) in Dachshunds. Veterinary Ophthalmology, 2019, 22, 751-759.	0.6	9
27	Comparative Cytogenetic Analysis of Dog and Human Choroid Plexus Tumors Defines Syntenic Regions of Genomic Loss. Journal of Neuropathology and Experimental Neurology, 2018, 77, 413-419.	0.9	4
28	Genetic analysis of optic nerve head coloboma in the Nova Scotia Duck Tolling Retriever identifies discordance with the <scp>NHEJ</scp>1 intronic deletion (collie eye anomaly mutation). Veterinary Ophthalmology, 2018, 21, 144-150.	0.6	7
29	Identification of a Candidate Mutation in the COL1A2 Gene of a Chow Chow With Osteogenesis Imperfecta. Journal of Heredity, 2018, 109, 308-314.	1.0	13
30	Whole genome variant association across 100 dogs identifies a frame shift mutation in DISHEVELLED 2 which contributes to Robinow-like syndrome in Bulldogs and related screw tail dog breeds. PLoS Genetics, 2018, 14, e1007850.	1.5	61
31	A Missense Mutation in the Vacuolar Protein Sorting 11 (VPS11) Gene Is Associated with Neuroaxonal Dystrophy in Rottweiler Dogs. G3: Genes, Genomes, Genetics, 2018, 8, 2773-2780.	0.8	19
32	Association of cancer-related mortality, age and gonadectomy in golden retriever dogs at a veterinary academic center (1989-2016). PLoS ONE, 2018, 13, e0192578.	1.1	45
33	Association of early onset myasthenia gravis in Newfoundland dogs with the canine major histocompatibility complex class I. Neuromuscular Disorders, 2017, 27, 409-416.	0.3	15
34	FGF4 retrogene on CFA12 is responsible for chondrodystrophy and intervertebral disc disease in dogs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11476-11481.	3.3	92
35	Correlation of neuter status and expression of heritable disorders. Canine Genetics and Epidemiology, 2017, 4, 6.	2.9	29
36	Developing a 670k genotyping array to tag ~2M SNPs across 24 horse breeds. BMC Genomics, 2017, 18, 565.	1.2	116

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37	Gonadectomy effects on the risk of immune disorders in the dog: a retrospective study. BMC Veterinary Research, 2016, 12, 278.	0.7	45
38	Transcriptome profiling of equine vitamin E deficient neuroaxonal dystrophy identifies upregulation of liver X receptor target genes. Free Radical Biology and Medicine, 2016, 101, 261-271.	1.3	33
39	Serum levels of innate immunity cytokines are elevated in dogs with metaphyseal osteopathy (hypertrophic osteodytrophy) during active disease and remission. Veterinary Immunology and Immunopathology, 2016, 179, 32-35.	0.5	16
40	Chromosomal Aberrations in Canine Gliomas Define Candidate Genes and Common Pathways in Dogs and Humans. Journal of Neuropathology and Experimental Neurology, 2016, 75, 700-710.	0.9	31
41	Utilizing the Dog Genome in the Search for Novel Candidate Genes Involved in Glioma Developmentâ€"Genome Wide Association Mapping followed by Targeted Massive Parallel Sequencing Identifies a Strongly Associated Locus. PLoS Genetics, 2016, 12, e1006000.	1.5	54
42	Blood and Cerebrospinal Fluid Î±â€Tocopherol and Selenium Concentrations in Neonatal Foals with Neuroaxonal Dystrophy. Journal of Veterinary Internal Medicine, 2015, 29, 1667-1675.	0.6	26
43	DNA Sequence Variants in the Five Prime Untranslated Region of the Cyclooxygenase-2 Gene Are Commonly Found in Healthy Dogs and Gray Wolves. PLoS ONE, 2015, 10, e0133127.	1.1	2
44	Genome-Wide Association Studies in Dogs and Humans Identify ADAMTS20 as a Risk Variant for Cleft Lip and Palate. PLoS Genetics, 2015, 11, e1005059.	1.5	82
45	Wolf Subspecies: Reply to Weckworth et al. and Fredrickson et al.: Table 1.. Journal of Heredity, 2015, 106, 417-419.	1.0	16
46	SERPINB11 Frameshift Variant Associated with Novel Hoof Specific Phenotype in Connemara Ponies. PLoS Genetics, 2015, 11, e1005122.	1.5	21
47	Thiamine Deficiencyâ€Mediated Brain Mitochondrial Pathology in <scp>A</scp>laskan <scp>H</scp>uskies with Mutation in <scp>SLC19A3.1</scp>. Brain Pathology, 2015, 25, 441-453.	2.1	27
48	Single Nucleotide Polymorphism (SNP) Variation of Wolves (Canis lupus) in Southeast Alaska and Comparison with Wolves, Dogs, and Coyotes in North America. Journal of Heredity, 2015, 106, 26-36.	1.0	35
49	Early Developmental and Evolutionary Origins of Gene Body DNA Methylation Patterns in Mammalian Placentas. PLoS Genetics, 2015, 11, e1005442.	1.5	93
50	A LINE-1 Insertion in DLX6 Is Responsible for Cleft Palate and Mandibular Abnormalities in a Canine Model of Pierre Robin Sequence. PLoS Genetics, 2014, 10, e1004257.	1.5	49
51	Risk of false positive genetic associations in complex traits with underlying population structure: A case study. Veterinary Journal, 2014, 202, 543-549.	0.6	27
52	A mutation in the canine gene encoding folliculinâ€interacting protein 2 (FNIP2) associated with a unique disruption in spinal cord myelination. Glia, 2014, 62, 39-51.	2.5	10
53	Urate urolithiasis and hyperuricosuria in a Weimaraner, secondary to the SLC2A9 transporter defect. Veterinary Record Case Reports, 2014, 2, e000016.	0.1	1
54	Applied equine genetics. Equine Veterinary Journal, 2014, 46, 538-544.	0.9	27

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55	Clinical manifestations, response to treatment, and clinical outcome for Weimaraners with hypertrophic osteodystrophy: 53 cases (2009â€“2011). Journal of the American Veterinary Medical Association, 2013, 242, 1260-1266.	0.2	30
56	Pedigree Analysis and Exclusion of Alphaâ€Tocopherol Transfer Protein (<scp>TTPA</scp>) as a Candidate Gene for Neuroaxonal Dystrophy in the American Quarter Horse. Journal of Veterinary Internal Medicine, 2013, 27, 177-185.	0.6	32
57	Prevalence of inherited disorders among mixed-breed and purebred dogs: 27,254 cases (1995â€“2010). Journal of the American Veterinary Medical Association, 2013, 242, 1549-1555.	0.2	119
58	Genetic Diversity in the Modern Horse Illustrated from Genome-Wide SNP Data. PLoS ONE, 2013, 8, e54997.	1.1	214
59	Genome-Wide Analysis Reveals Selection for Important Traits in Domestic Horse Breeds. PLoS Genetics, 2013, 9, e1003211.	1.5	240
60	Genome-Wide Association Mapping in Dogs Enables Identification of the Homeobox Gene, NKX2-8, as a Genetic Component of Neural Tube Defects in Humans. PLoS Genetics, 2013, 9, e1003646.	1.5	39
61	Genome-Wide Association Analysis Identifies a Mutation in the Thiamine Transporter 2 (SLC19A3) Gene Associated with Alaskan Husky Encephalopathy. PLoS ONE, 2013, 8, e57195.	1.1	40
62	A High Density SNP Array for the Domestic Horse and Extant Perissodactyla: Utility for Association Mapping, Genetic Diversity, and Phylogeny Studies. PLoS Genetics, 2012, 8, e1002451.	1.5	208
63	Activity, Expression and Genetic Variation of Canine Î²-Defensin 103: A Multifunctional Antimicrobial Peptide in the Skin of Domestic Dogs. Journal of Innate Immunity, 2012, 4, 248-259.	1.8	45
64	Electrophysiological studies in American Quarter horses with neuroaxonal dystrophy. Veterinary Ophthalmology, 2012, 15, 3-7.	0.6	13
65	Equine Degenerative Myeloencephalopathy in Lusitano Horses. Journal of Veterinary Internal Medicine, 2011, 25, 1439-1446.	0.6	34
66	Phylogenetic Distinctiveness of Middle Eastern and Southeast Asian Village Dog Y Chromosomes Illuminates Dog Origins. PLoS ONE, 2011, 6, e28496.	1.1	50
67	Examination of candidate genes for hypoadrenocorticism in Nova Scotia Duck Tolling Retrievers. Veterinary Journal, 2011, 187, 212-216.	0.6	17
68	Identification of Genomic Regions Associated with Phenotypic Variation between Dog Breeds using Selection Mapping. PLoS Genetics, 2011, 7, e1002316.	1.5	339
69	Genome-wide SNP and haplotype analyses reveal a rich history underlying dog domestication. Nature, 2010, 464, 898-902.	13.7	635
70	Genome-wide association mapping identifies multiple loci for a canine SLE-related disease complex. Nature Genetics, 2010, 42, 250-254.	9.4	99
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	Localization of Canine Brachycephaly Using an Across Breed Mapping Approach. PLoS ONE, 2010, 5, e9632.	1.1	101

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73	Validation of a urine test and characterization of the putative genetic mutation for hyperuricosuria in Bulldogs and Black Russian Terriers. American Journal of Veterinary Research, 2010, 71, 909-914.	0.3	21
74	Estimated Frequency of the Canine Hyperuricosuria Mutation in Different Dog Breeds. Journal of Veterinary Internal Medicine, 2010, 24, 1337-1342.	0.6	18
75	Changing Paradigms in Diagnosis of Inherited Defects Associated with Urolithiasis. Veterinary Clinics of North America - Small Animal Practice, 2009, 39, 111-125.	0.5	18
76	Evaluation of allele frequencies of inherited disease genes in subgroups of American Quarter Horses. Journal of the American Veterinary Medical Association, 2009, 234, 120-125.	0.2	100
77	Canine fibroblast growth factor receptor 3 sequence is conserved across dogs of divergent skeletal size. BMC Genetics, 2008, 9, 67.	2.7	5
78	Genetic Testing and the Future of Equine Genomics. Journal of Equine Veterinary Science, 2008, 28, 645-649.	0.4	6
79	SNPSin the Promoter Regions of the Canine RMRP and SHOX Genes are not Associated with Canine Chondrodysplasia. Animal Biotechnology, 2008, 19, 1-5.	0.7	8
80	Coyotes Demonstrate How Habitat Specialization by Individuals of a Generalist Species Can Diversify Populations in a Heterogeneous Ecoregion. Molecular Biology and Evolution, 2008, 25, 1384-1394.	3.5	65
81	Mutations in the SLC2A9 Gene Cause Hyperuricosuria and Hyperuricemia in the Dog. PLoS Genetics, 2008, 4, e1000246.	1.5	94
82	Clinical features and heritability of hypoadrenocorticism in Nova Scotia Duck Tolling Retrievers: 25 cases (1994â€“2006). Journal of the American Veterinary Medical Association, 2007, 231, 407-412.	0.2	41
83	Homozygosity mapping approach identifies a missense mutation in equine cyclophilin B (PPIB) associated with HERDA in the American Quarter Horse. Genomics, 2007, 90, 93-102.	1.3	99
84	Clinical and pathological findings in a HERDA-affected foal for 1.5Âyears of life. Veterinary Dermatology, 2007, 18, 36-40.	0.4	28
85	Evaluation of FOXC2 as a candidate gene for chronic progressive lymphedema in draft horses. Veterinary Journal, 2007, 174, 397-399.	0.6	19
86	Recent Advances in Small Animal Genetics. Veterinary Clinics of North America - Small Animal Practice, 2006, 36, 461-474.	0.5	3
87	Linkage analysis with an interbreed backcross maps Dalmatian hyperuricosuria to CFA03. Mammalian Genome, 2006, 17, 340-345.	1.0	16
88	Deletions in the COL10A1 gene are not associated with skeletal changes in dogs. Mammalian Genome, 2006, 17, 761-768.	1.0	6
89	Y chromosome haplotype analysis in purebred dogs. Mammalian Genome, 2005, 16, 273-280.	1.0	55
90	Exclusion of Urate Oxidase as a Candidate Gene for Hyperuricosuria in the Dalmatian Dog Using an Interbreed Backcross. Journal of Heredity, 2005, 96, 750-754.	1.0	19

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91	CanineCOL4A3andCOL4A4: Sequencing, mapping and genomic organization. DNA Sequence, 2005, 16, 241-251.	0.7	3
92	Evaluation of Canine COL4A3 and COL4A4 as Candidates for Familial Renal Disease in the Norwegian Elkhound. Journal of Heredity, 2005, 96, 739-744.	1.0	9
93	Inheritance of hereditary equine regional dermal asthenia in Quarter Horses. American Journal of Veterinary Research, 2005, 66, 437-442.	0.3	33
94	Inheritance of cricopharyngeal dysfunction in Golden Retrievers. American Journal of Veterinary Research, 2004, 65, 344-349.	0.3	16
95	Hereditary equine regional dermal asthenia ('hyperelastosis cutis') in 50 horses: clinical, histological, immunohistological and ultrastructural findings. Veterinary Dermatology, 2004, 15, 207-217.	0.4	56
96	Exclusion ofgalectin 9as a candidate gene for hyperuricosuria in the Dalmatian dog. Animal Genetics, 2004, 35, 326-328.	0.6	7
97	Inheritance of urinary calculi in the Dalmatian. Journal of Veterinary Internal Medicine, 2004, 18, 483-7.	0.6	13
98	Melanocortin 1 receptor variation in the domestic dog. Mammalian Genome, 2000, 11, 24-30.	1.0	194