Bridgett M Vonholdt

List of Publications by Year
in descending order

80 papers	15,393 citations	159525 30 h-index	69214 77 g-index
88 all docs	88 docs citations	88 times ranked	20337 citing authors

#	Article	IF	Citations
1	STRUCTURE HARVESTER: a website and program for visualizing STRUCTURE output and implementing the Evanno method. Conservation Genetics Resources, 2012, 4, 359-361.	0.4	10,115
2	Genome-wide SNP and haplotype analyses reveal a rich history underlying dog domestication. Nature, 2010, 464, 898-902.	13.7	635
3	A Simple Genetic Architecture Underlies Morphological Variation in Dogs. PLoS Biology, 2010, 8, e1000451.	2.6	429
4	Molecular and Evolutionary History of Melanism in North American Gray Wolves. Science, 2009, 323, 1339-1343.	6.0	346
5	Coat Variation in the Domestic Dog Is Governed by Variants in Three Genes. Science, 2009, 326, 150-153.	6.0	297
6	An Expressed Fgf4 Retrogene Is Associated with Breed-Defining Chondrodysplasia in Domestic Dogs. Science, 2009, 325, 995-998.	6.0	294
7	A genome-wide perspective on the evolutionary history of enigmatic wolf-like canids. Genome Research, 2011, 21, 1294-1305.	2.4	266
8	Epigenetics in ecology and evolution: what we know andÂwhat we need to know. Molecular Ecology, 2016, 25, 1631-1638.	2.0	229
9	Genomic Flatlining in the Endangered Island Fox. Current Biology, 2016, 26, 1183-1189.	1.8	201
10	Modeling Effects of Environmental Change on Wolf Population Dynamics, Trait Evolution, and Life History. Science, 2011, 334, 1275-1278.	6.0	185
11	The genealogy and genetic viability of reintroduced Yellowstone grey wolves. Molecular Ecology, 2008, 17, 252-274.	2.0	177
12	Whole-genome sequence analysis shows that two endemic species of North American wolf are admixtures of the coyote and gray wolf. Science Advances, 2016, 2, e1501714.	4.7	150
13	Structural variants in genes associated with human Williams-Beuren syndrome underlie stereotypical hypersociability in domestic dogs. Science Advances, 2017, 3, e1700398.	4.7	139
14	An epigenetic aging clock for dogs and wolves. Aging, 2017, 9, 1055-1068.	1.4	125
15	Genetic subdivision and candidate genes under selection in North American grey wolves. Molecular Ecology, 2016, 25, 380-402.	2.0	100
16	The adaptive value of morphological, behavioural and lifeâ€history traits in reproductive female wolves. Journal of Animal Ecology, 2013, 82, 222-234.	1.3	96
17	Evolutionary genomics of dog domestication. Mammalian Genome, 2012, 23, 3-18.	1.0	82
18	A novel assessment of population structure and gene flow in grey wolf populations of the Northern Rocky Mountains of the United States. Molecular Ecology, 2010, 19, 4412-4427.	2.0	80

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19	A singleâ€nucleotide polymorphismâ€based approach for rapid and costâ€effective genetic wolf monitoring in <scp>E</scp>urope based on noninvasively collected samples. Molecular Ecology Resources, 2015, 15, 295-305.	2.2	79
20	Admixture mapping identifies introgressed genomic regions in North American canids. Molecular Ecology, 2016, 25, 2443-2453.	2.0	79
21	Artificial Selection on Brain-Expressed Genes during the Domestication of Dog. Molecular Biology and Evolution, 2013, 30, 1867-1876.	3.5	74
22	The concerted impact of domestication and transposon insertions on methylation patterns between dogs and grey wolves. Molecular Ecology, 2016, 25, 1838-1855.	2.0	73
23	Redefining the Role of Admixture and Genomics in Species Conservation. Conservation Letters, 2018, 11, e12371.	2.8	72
24	Highly heritable and functionally relevant breed differences in dog behaviour. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190716.	1.2	69
25	Dog10K: an international sequencing effort to advance studies of canine domestication, phenotypes and health. National Science Review, 2019, 6, 810-824.	4.6	65
26	Widespread, longâ€term admixture between grey wolves and domestic dogs across Eurasia and its implications for the conservation status of hybrids. Evolutionary Applications, 2018, 11, 662-680.	1.5	64
27	A Copy Number Variant at the KITLG Locus Likely Confers Risk for Canine Squamous Cell Carcinoma of the Digit. PLoS Genetics, 2013, 9, e1003409.	1.5	60
28	Identification of recent hybridization between gray wolves and domesticated dogs by SNP genotyping. Mammalian Genome, 2013, 24, 80-88.	1.0	43
29	Kin encounter rate and inbreeding avoidance in canids. Molecular Ecology, 2011, 20, 5348-5358.	2.0	40
30	Toward an integrative molecular approach to wildlife disease. Conservation Biology, 2018, 32, 798-807.	2.4	36
31	Urban colonization through multiple genetic lenses: The cityâ€fox phenomenon revisited. Ecology and Evolution, 2019, 9, 2046-2060.	0.8	28
32	EPAS1 variants in high altitude Tibetan wolves were selectively introgressed into highland dogs. PeerJ, 2017, 5, e3522.	0.9	27
33	Of microbes and mange: consistent changes in the skin microbiome of three canid species infected with Sarcoptes scabiei mites. Parasites and Vectors, 2019, 12, 488.	1.0	26
34	Activity of Genes with Functions in Human Williamsâ€“Beuren Syndrome Is Impacted by Mobile Element Insertions in the Gray Wolf Genome. Genome Biology and Evolution, 2018, 10, 1546-1553.	1.1	25
35	Global evaluation of taxonomic relationships and admixture within the Culex pipiens complex of mosquitoes. Parasites and Vectors, 2020, 13, 8.	1.0	25
36	The Singular History of a Canine Transmissible Tumor. Cell, 2006, 126, 445-447.	13.5	24

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37	Pervasive Effects of Aging on Gene Expression in Wild Wolves. Molecular Biology and Evolution, 2016, 33, 1967-1978.	3.5	24
38	Growth factor gene IGF1 is associated with bill size in the black-bellied seedcracker Pyrenestes ostrinus. Nature Communications, 2018, 9, 4855.	5.8	24
39	A Statistical Framework to Identify Deviation from Time Linearity in Epigenetic Aging. PLoS Computational Biology, 2016, 12, e1005183.	1.5	24
40	Natural and human-driven selection of a single non-coding body size variant in ancient and modern canids. Current Biology, 2022, 32, 889-897.e9.	1.8	23
41	Recent Retrotransposon Insertions Are Methylated and Phylogenetically Clustered in Japonica Rice (Oryza sativa spp. japonica). Molecular Biology and Evolution, 2012, 29, 3193-3203.	3.5	22
42	Cooperative Communication with Humans Evolved to Emerge Early in Domestic Dogs. Current Biology, 2021, 31, 3137-3144.e11.	1.8	22
43	High genomic diversity and candidate genes under selection associated with range expansion in eastern coyote (Canis latrans) populations. Ecology and Evolution, 2018, 8, 12641-12655.	0.8	21
44	Rediscovery of Red Wolf Ghost Alleles in a Canid Population Along the American Gulf Coast. Genes, 2018, 9, 618.	1.0	21
45	Geographic patterns in morphometric and genetic variation for coyote populations with emphasis on southeastern coyotes. Ecology and Evolution, 2019, 9, 3389-3404.	0.8	21
46	Heritability of interpack aggression in a wild pedigreed population of North American grey wolves. Molecular Ecology, 2020, 29, 1764-1775.	2.0	19
47	Demographic history influences spatial patterns of genetic diversityin recently expanded coyote (Canis latrans) populations. Heredity, 2018, 120, 183-195.	1.2	18
48	Genomics, environment and balancing selection in behaviourally bimodal populations: The caribou case. Molecular Ecology, 2019, 28, 1946-1963.	2.0	18
49	Ear mite infection is associated with altered microbial communities in genetically depauperate Santa Catalina Island foxes (Urocyon littoralis catalinae). Molecular Ecology, 2020, 29, 1463-1475.	2.0	17
50	A Genome-Wide Perspective on the Persistence of Red Wolf Ancestry in Southeastern Canids. Journal of Heredity, 2020, 111, 277-286.	1.0	16
51	Breed-specific ancestry studies and genome-wide association analysis highlight an association between the MYH9 gene and heat tolerance in Alaskan sprint racing sled dogs. Mammalian Genome, 2012, 23, 178-194.	1.0	14
52	Genetics of urban colonization: neutral and adaptive variation in coyotes (Canis latrans) inhabiting the New York metropolitan area. Journal of Urban Ecology, 2019, 5, .	0.6	14
53	Ancestry-Specific Methylation Patterns in Admixed Offspring from an Experimental Coyote and Gray Wolf Cross. Journal of Heredity, 2017, 108, 341-348.	1.0	13
54	Natural re-colonization and admixture of wolves (Canis lupus) in the US Pacific Northwest: challenges for the protection and management of rare and endangered taxa. Heredity, 2019, 122, 133-149.	1.2	13

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55	Updating the Bibliography of Interbreeding among Canis in North America. Journal of Heredity, 2020, 111, 249-262.	1.0	13
56	Sarcoptic mange severity is associated with reduced genomic variation and evidence of selection in Yellowstone National Park wolves (Canis lupus). Evolutionary Applications, 2021, 14, 429-445.	1.5	13
57	Mexican Wolves Are a Valid Subspecies and an Appropriate Conservation Target. Journal of Heredity, 2015, 106, 415-416.	1.0	12
58	Pleistocene climate fluctuations drove demographic history of African golden wolves (Canis lupaster). Molecular Ecology, 2021, 30, 6101-6120.	2.0	12
59	Origins of the dog: Genetic insights into dog domestication. , 2016, , 22-41.		11
60	Early-life social experience affects offspring DNA methylation and later life stress phenotype. Nature Communications, 2021, 12, 4398.	5.8	11
61	Social environment and genetics underlie body siteâ€specific microbiomes of Yellowstone National Park gray wolves (Canis lupus). Ecology and Evolution, 2021, 11, 9472-9488.	0.8	10
62	Homozygosity for Mobile Element Insertions Associated with WBSCR17 Could Predict Success in Assistance Dog Training Programs. Genes, 2019, 10, 439.	1.0	9
63	Dog10K: the International Consortium of Canine Genome Sequencing. National Science Review, 2019, 6, 611-613.	4.6	9
64	Heterozygosity of the Yellowstone wolves. Molecular Ecology, 2010, 19, 3246-3249.	2.0	8
65	Rapid Macrosatellite Evolution Promotes X-Linked Hybrid Male Sterility in a Feline Interspecies Cross. Molecular Biology and Evolution, 2021, 38, 5588-5609.	3.5	8
66	Reviving ghost alleles: Genetically admixed coyotes along the American Gulf Coast are critical for saving the endangered red wolf. Science Advances, 2022, 8, .	4.7	8
67	Defense of an expanded historical range for the Mexican wolf: A comment on Heffelfinger et al.. Journal of Wildlife Management, 2017, 81, 1331-1333.	0.7	7
68	Persistence and expansion of cryptic endangered red wolf genomic ancestry along the American Gulf coast. Molecular Ecology, 2022, 31, 5440-5454.	2.0	7
69	Genomic legacy of migration in endangered caribou. PLoS Genetics, 2022, 18, e1009974.	1.5	7
70	Response to Hohenlohe et al .. Science Advances, 2017, 3, e1701233.	4.7	6
71	A sliver of the past: The decimation of the genetic diversity of the Mexican wolf. Molecular Ecology, 2021, 30, 6340-6354.	2.0	6
72	Interface of Human/Wildlife Interactions: An Example of a Bold Coyote (Canis latrans) in Atlanta, GA, USA. Diversity, 2021, 13, 372.	0.7	5

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73	Wolf Delisting Challenges Demonstrate Need for an Improved Framework for Conserving Intraspecific Variation under the Endangered Species Act.. BioScience, 2020, 71, 73-84.	2.2	4
74	Responseâ€"How the Gray Wolf Got Its Color. Science, 2009, 325, 34-34.	6.0	3
75	K Locus Effects in Gray Wolves: Experimental Assessment of TLR3 Signaling and the Gene Expression Response to Canine Distemper Virus. Journal of Heredity, 2021, 112, 458-468.	1.0	3
76	The effects of age, sex, weight, and breed on canid methylomes. Epigenetics, 2022, 17, 1497-1512.	1.3	3
77	The canine X chromosome is a sink for canine endogenous retrovirus transposition. Gene Reports, 2016, 4, 169-176.	0.4	1
78	Selection of both habitat and genes in specialized and endangered caribou. Conservation Biology, 2022, 36, .	2.4	1
79	Four structural variants associated with humanâ€directed sociability in dogs are not found in tame red foxes (Vulpes vulpes). Animal Genetics, 2019, 50, 116-118.	0.6	0
80	Animal Pigmentation Genetics in Ecology, Evolution, and Domestication. Journal of Heredity, 2021, 112, 393-394.	1.0	0