

# Bridgett M Vonholdt

## List of Publications by Citations

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78  
papers

11,185  
citations

28  
h-index

88  
g-index

88  
ext. papers

13,882  
ext. citations

8.5  
avg, IF

7.07  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 78 | STRUCTURE HARVESTER: a website and program for visualizing STRUCTURE output and implementing the Evanno method. <i>Conservation Genetics Resources</i> , <b>2012</b> , 4, 359-361                                       | 0.8  | 7397      |
| 77 | Genome-wide SNP and haplotype analyses reveal a rich history underlying dog domestication. <i>Nature</i> , <b>2010</b> , 464, 898-902   | 50.4 | 526       |
| 76 | A simple genetic architecture underlies morphological variation in dogs. <i>PLoS Biology</i> , <b>2010</b> , 8, e1000451  | 9.7  | 331       |
| 75 | Molecular and evolutionary history of melanism in North American gray wolves. <i>Science</i> , <b>2009</b> , 323, 1339-1343   | 34.3 | 292       |
| 74 | An expressed <i>fgf4</i> retrogene is associated with breed-defining chondrodysplasia in domestic dogs. <i>Science</i> , <b>2009</b> , 325, 995-8   | 33.3 | 238       |
| 73 | Coat variation in the domestic dog is governed by variants in three genes. <i>Science</i> , <b>2009</b> , 326, 150-3  | 33.3 | 226       |
| 72 | A genome-wide perspective on the evolutionary history of enigmatic wolf-like canids. <i>Genome Research</i> , <b>2011</b> , 21, 1294-305  | 9.7  | 222       |
| 71 | Epigenetics in ecology and evolution: what we know and what we need to know. <i>Molecular Ecology</i> , <b>2016</b> , 25, 1631-8  | 5.7  | 154       |
| 70 | Modeling effects of environmental change on wolf population dynamics, trait evolution, and life history. <i>Science</i> , <b>2011</b> , 334, 1275-8   | 33.3 | 148       |
| 69 | The genealogy and genetic viability of reintroduced Yellowstone grey wolves. <i>Molecular Ecology</i> , <b>2008</b> , 17, 252-74  | 5.7  | 144       |
| 68 | Genomic Flatlining in the Endangered Island Fox. <i>Current Biology</i> , <b>2016</b> , 26, 1183-9  | 6.3  | 117       |
| 67 | Whole-genome sequence analysis shows that two endemic species of North American wolf are admixtures of the coyote and gray wolf. <i>Science Advances</i> , <b>2016</b> , 2, e1501714                                    | 14.3 | 98        |
| 66 | Structural variants in genes associated with human Williams-Beuren syndrome underlie stereotypical hypersociability in domestic dogs. <i>Science Advances</i> , <b>2017</b> , 3, e1700398                               | 14.3 | 86        |
| 65 | An epigenetic aging clock for dogs and wolves. <i>Aging</i> , <b>2017</b> , 9, 1055-1068  | 5.6  | 86        |
| 64 | Genetic subdivision and candidate genes under selection in North American grey wolves. <i>Molecular Ecology</i> , <b>2016</b> , 25, 380-402   | 5.7  | 75        |
| 63 | The adaptive value of morphological, behavioural and life-history traits in reproductive female wolves. <i>Journal of Animal Ecology</i> , <b>2013</b> , 82, 222-34   | 4.7  | 73        |
| 62 | A single-nucleotide polymorphism-based approach for rapid and cost-effective genetic wolf monitoring in Europe based on noninvasively collected samples. <i>Molecular Ecology Resources</i> , <b>2015</b> , 15, 295-305 | 8.4  | 67        |

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| 61 | A novel assessment of population structure and gene flow in grey wolf populations of the Northern Rocky Mountains of the United States. <i>Molecular Ecology</i> , <b>2010</b> , 19, 4412-27                   | 5.7  | 61 |
| 60 | Evolutionary genomics of dog domestication. <i>Mammalian Genome</i> , <b>2012</b> , 23, 3-18   | 3.2  | 60 |
| 59 | Artificial selection on brain-expressed genes during the domestication of dog. <i>Molecular Biology and Evolution</i> , <b>2013</b> , 30, 1867-76  | 8.3  | 58 |
| 58 | Admixture mapping identifies introgressed genomic regions in North American canids. <i>Molecular Ecology</i> , <b>2016</b> , 25, 2443-53   | 5.7  | 58 |
| 57 | The concerted impact of domestication and transposon insertions on methylation patterns between dogs and grey wolves. <i>Molecular Ecology</i> , <b>2016</b> , 25, 1838-55                                     | 5.7  | 52 |
| 56 | A copy number variant at the KITLG locus likely confers risk for canine squamous cell carcinoma of the digit. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003409   | 6    | 51 |
| 55 | Redefining the Role of Admixture and Genomics in Species Conservation. <i>Conservation Letters</i> , <b>2018</b> , 11, e12371  | 6.9  | 42 |
| 54 | Widespread, long-term admixture between grey wolves and domestic dogs across Eurasia and its implications for the conservation status of hybrids. <i>Evolutionary Applications</i> , <b>2018</b> , 11, 662-680 | 4.8  | 41 |
| 53 | Highly heritable and functionally relevant breed differences in dog behaviour. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 286, 20190716                                    | 4.4  | 37 |
| 52 | Identification of recent hybridization between gray wolves and domesticated dogs by SNP genotyping. <i>Mammalian Genome</i> , <b>2013</b> , 24, 80-8   | 3.2  | 36 |
| 51 | Kin encounter rate and inbreeding avoidance in canids. <i>Molecular Ecology</i> , <b>2011</b> , 20, 5348-58  | 5.7  | 34 |
| 50 | Dog10K: an international sequencing effort to advance studies of canine domestication, phenotypes and health. <i>National Science Review</i> , <b>2019</b> , 6, 810-824  | 10.8 | 27 |
| 49 | Toward an integrative molecular approach to wildlife disease. <i>Conservation Biology</i> , <b>2018</b> , 32, 798-807  | 6    | 19 |
| 48 | Urban colonization through multiple genetic lenses: The city-fox phenomenon revisited. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 2046-2060   | 2.8  | 18 |
| 47 | Pervasive Effects of Aging on Gene Expression in Wild Wolves. <i>Molecular Biology and Evolution</i> , <b>2016</b> , 33, 1967-78   | 8.3  | 17 |
| 46 | Recent retrotransposon insertions are methylated and phylogenetically clustered in japonica rice ( <i>Oryza sativa</i> spp. japonica). <i>Molecular Biology and Evolution</i> , <b>2012</b> , 29, 3193-203     | 8.3  | 17 |
| 45 | variants in high altitude Tibetan wolves were selectively introgressed into highland dogs. <i>PeerJ</i> , <b>2017</b> , 5, e3522   | 3.1  | 17 |
| 44 | The singular history of a canine transmissible tumor. <i>Cell</i> , <b>2006</b> , 126, 445-7   | 56.2 | 16 |

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| 43 | A Statistical Framework to Identify Deviation from Time Linearity in Epigenetic Aging. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1005183   | 5    | 15 |
| 42 | Genetics of urban colonization: neutral and adaptive variation in coyotes ( <i>Canis latrans</i> ) inhabiting the New York metropolitan area. <i>Journal of Urban Ecology</i> , <b>2019</b> , 5,                              | 2    | 11 |
| 41 | Demographic history influences spatial patterns of genetic diversity in recently expanded coyote ( <i>Canis latrans</i> ) populations. <i>Heredity</i> , <b>2018</b> , 120, 183-195   | 3.6  | 11 |
| 40 | Of microbes and mange: consistent changes in the skin microbiome of three canid species infected with <i>Sarcoptes scabiei</i> mites. <i>Parasites and Vectors</i> , <b>2019</b> , 12, 488                                    | 4    | 11 |
| 39 | Geographic patterns in morphometric and genetic variation for coyote populations with emphasis on southeastern coyotes. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 3389-3404   | 2.8  | 10 |
| 38 | 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. <i>Mammalian Genome</i> , <b>2012</b> , 23, 178-94 | 3.2  | 10 |
| 37 | Ancestry-Specific Methylation Patterns in Admixed Offspring from an Experimental Coyote and Gray Wolf Cross. <i>Journal of Heredity</i> , <b>2017</b> , 108, 341-348  | 2.4  | 10 |
| 36 | Growth factor gene IGF1 is associated with bill size in the black-bellied seedcracker <i>Pyrenestes ostrinus</i> . <i>Nature Communications</i> , <b>2018</b> , 9, 4855   | 17.4 | 10 |
| 35 | Mexican Wolves Are a Valid Subspecies and an Appropriate Conservation Target. <i>Journal of Heredity</i> , <b>2015</b> , 106, 415-6   | 2.4  | 9  |
| 34 | Cooperative Communication with Humans Evolved to Emerge Early in Domestic Dogs. <i>Current Biology</i> , <b>2021</b> , 31, 3137-3144.e11  | 6.3  | 9  |
| 33 | Rediscovery of Red Wolf Ghost Alleles in a Canid Population Along the American Gulf Coast. <i>Genes</i> , <b>2018</b> , 9,  | 4.2  | 9  |
| 32 | Activity of Genes with Functions in Human Williams-Beuren Syndrome Is Impacted by Mobile Element Insertions in the Gray Wolf Genome. <i>Genome Biology and Evolution</i> , <b>2018</b> , 10, 1546-1553                        | 3.9  | 8  |
| 31 | Global evaluation of taxonomic relationships and admixture within the <i>Culex pipiens</i> complex of mosquitoes. <i>Parasites and Vectors</i> , <b>2020</b> , 13, 8  | 4    | 8  |
| 30 | High genomic diversity and candidate genes under selection associated with range expansion in eastern coyote ( <i>Canis latrans</i> ) populations. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 12641-12655                | 2.8  | 8  |
| 29 | Natural re-colonization and admixture of wolves ( <i>Canis lupus</i> ) in the US Pacific Northwest: challenges for the protection and management of rare and endangered taxa. <i>Heredity</i> , <b>2019</b> , 122, 133-149    | 2.6  | 7  |
| 28 | Genomics, environment and balancing selection in behaviourally bimodal populations: The caribou case. <i>Molecular Ecology</i> , <b>2019</b> , 28, 1946-1963  | 5.7  | 7  |
| 27 | Heritability of interpack aggression in a wild pedigreed population of North American grey wolves. <i>Molecular Ecology</i> , <b>2020</b> , 29, 1764-1775   | 5.7  | 7  |
| 26 | Ear mite infection is associated with altered microbial communities in genetically depauperate Santa Catalina Island foxes ( <i>Urocyon littoralis catalinae</i> ). <i>Molecular Ecology</i> , <b>2020</b> , 29, 1463-1475    | 5.7  | 7  |

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|----|--|------|---|
| 25 | Sarcoptic mange severity is associated with reduced genomic variation and evidence of selection in Yellowstone National Park wolves (). <i>Evolutionary Applications</i> , <b>2021</b> , 14, 429-445 | 4.8  | 7 |
| 24 | Dog10K: the International Consortium of Canine Genome Sequencing. <i>National Science Review</i> , <b>2019</b> , 6, 611-613  | 10.8 | 6 |
| 23 | Updating the Bibliography of Interbreeding among Canis in North America. <i>Journal of Heredity</i> , <b>2020</b> , 111, 249-262   | 2.4  | 6 |
| 22 | A Genome-Wide Perspective on the Persistence of Red Wolf Ancestry in Southeastern Canids. <i>Journal of Heredity</i> , <b>2020</b> , 111, 277-286  | 2.4  | 6 |
| 21 | Response to Hohenlohe. <i>Science Advances</i> , <b>2017</b> , 3, e1701233   | 14.3 | 6 |
| 20 | Defense of an expanded historical range for the Mexican wolf: A comment on Heffelfinger et al.. <i>Journal of Wildlife Management</i> , <b>2017</b> , 81, 1331-1333                                  | 1.9  | 6 |
| 19 | Heterozygosity of the Yellowstone wolves. <i>Molecular Ecology</i> , <b>2010</b> , 19, 3246-9  | 5.7  | 6 |
| 18 | Highly Heritable and Functionally Relevant Breed Differences in Dog Behavior   |      | 5 |
| 17 | Origins of the dog: Genetic insights into dog domestication <b>2016</b> , 22-41  |      | 5 |
| 16 | Wolf Delisting Challenges Demonstrate Need for an Improved Framework for Conserving Intraspecific Variation under the Endangered Species Act. <i>BioScience</i> , <b>2021</b> , 71, 73-84            | 5.7  | 2 |
| 15 | Homozygosity for Mobile Element Insertions Associated with Could Predict Success in Assistance Dog Training Programs. <i>Genes</i> , <b>2019</b> , 10,   | 4.2  | 2 |
| 14 | ResponseHow the Gray Wolf Got Its Color. <i>Science</i> , <b>2009</b> , 325, 34-34   | 33.3 | 2 |
| 13 | Genomic legacy of migration in endangered caribou.. <i>PLoS Genetics</i> , <b>2022</b> , 18, e1009974  | 6    | 2 |
| 12 | Pleistocene climate fluctuations drove demographic history of African golden wolves ( <i>Canis lupaster</i> ). <i>Molecular Ecology</i> , <b>2021</b> , 30, 6101-6120                                | 5.7  | 2 |
| 11 | K Locus Effects in Gray Wolves: Experimental Assessment of TLR3 Signaling and the Gene Expression Response to Canine Distemper Virus. <i>Journal of Heredity</i> , <b>2021</b> , 112, 458-468        | 2.4  | 2 |
| 10 | Early-life social experience affects offspring DNA methylation and later life stress phenotype. <i>Nature Communications</i> , <b>2021</b> , 12, 4398  | 17.4 | 2 |
| 9  | Microbial dysbiosis and its implications for disease in a genetically depauperate species  |      | 1 |
| 8  | Social environment and genetics underlie body site-specific microbiomes of Yellowstone National Park gray wolves (). <i>Ecology and Evolution</i> , <b>2021</b> , 11, 9472-9488                      | 2.8  | 1 |

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| 7 | The canine X chromosome is a sink for canine endogenous retrovirus transposition. <i>Gene Reports</i> , <b>2016</b> , 4, 169-176   | 1.4 | 1 |
| 6 | Rapid Macrosatellite Evolution Promotes X-Linked Hybrid Male Sterility in a Feline Interspecies Cross. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 5588-5609              | 8.3 | 1 |
| 5 | A sliver of the past: The decimation of the genetic diversity of the Mexican wolf. <i>Molecular Ecology</i> , <b>2021</b> , 30, 6340-6354  | 5.7 | 0 |
| 4 | Interface of Human/Wildlife Interactions: An Example of a Bold Coyote ( <i>Canis latrans</i> ) in Atlanta, GA, USA. <i>Diversity</i> , <b>2021</b> , 13, 372                             | 2.5 | 0 |
| 3 | The effects of age, sex, weight, and breed on canid methylomes.. <i>Epigenetics</i> , <b>2022</b> , 1-16   | 5.7 | 0 |
| 2 | Animal Pigmentation Genetics in Ecology, Evolution, and Domestication. <i>Journal of Heredity</i> , <b>2021</b> , 112, 393-394   | 2.4 |   |
| 1 | Four structural variants associated with human-directed sociability in dogs are not found in tame red foxes ( <i>Vulpes vulpes</i> ). <i>Animal Genetics</i> , <b>2019</b> , 50, 116-118 | 2.5 |   |