

Robert K Wayne

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8874185/robert-k-wayne-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

8,631
citations

48
h-index

92
g-index

147
ext. papers

10,361
ext. citations

7
avg, IF

5.94
L-index

#	Paper	IF	Citations
123	Transgressive segregation, adaptation and speciation. <i>Heredity</i> , 1999 , 83 (Pt 4), 363-72	3.6	780
122	Multiple and ancient origins of the domestic dog. <i>Science</i> , 1997 , 276, 1687-9	33.3	694
121	A Role for Ecotones in Generating Rainforest Biodiversity. <i>Science</i> , 1997 , 276, 1855-1857	33.3	509
120	Genome sequencing highlights the dynamic early history of dogs. <i>PLoS Genetics</i> , 2014 , 10, e1004016	6	372
119	Molecular and evolutionary history of melanism in North American gray wolves. <i>Science</i> , 2009 , 323, 1339-43	33.3	292
118	Effects of Urbanization and Habitat Fragmentation on Bobcats and Coyotes in Southern California. <i>Conservation Biology</i> , 2003 , 17, 566-576	6	288
117	INTROGRESSION OF COYOTE MITOCHONDRIAL DNA INTO SYMPATRIC NORTH AMERICAN GRAY WOLF POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 104-119	3.8	250
116	A genome-wide perspective on the evolutionary history of enigmatic wolf-like canids. <i>Genome Research</i> , 2011 , 21, 1294-305	9.7	222
115	A molecular genetic analysis of social structure, dispersal, and interpack relationships of the African wild dog (<i>Lycaon pictus</i>). <i>Behavioral Ecology and Sociobiology</i> , 1997 , 40, 187-198	2.5	184
114	Bottlenecks and selective sweeps during domestication have increased deleterious genetic variation in dogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 152-7	11.5	179
113	Megafaunal extinctions and the disappearance of a specialized wolf ecomorph. <i>Current Biology</i> , 2007 , 17, 1146-50	6.3	156
112	Modeling effects of environmental change on wolf population dynamics, trait evolution, and life history. <i>Science</i> , 2011 , 334, 1275-8	33.3	148
111	The genealogy and genetic viability of reintroduced Yellowstone grey wolves. <i>Molecular Ecology</i> , 2008 , 17, 252-74	5.7	144
110	Differentiation of tundra/taiga and boreal coniferous forest wolves: genetics, coat colour and association with migratory caribou. <i>Molecular Ecology</i> , 2007 , 16, 4149-70	5.7	138
109	Lessons learned from the dog genome. <i>Trends in Genetics</i> , 2007 , 23, 557-67	8.5	133
108	Genome-wide Evidence Reveals that African and Eurasian Golden Jackals Are Distinct Species. <i>Current Biology</i> , 2015 , 25, 2158-65	6.3	118
107	Worldwide patterns of genomic variation and admixture in gray wolves. <i>Genome Research</i> , 2016 , 26, 163-73	9.7	118

106	Genomic Flatlining in the Endangered Island Fox. <i>Current Biology</i> , 2016 , 26, 1183-9	6.3	117
105	Hybridization between Wolves and Dogs. <i>Conservation Biology</i> , 1999 , 13, 195-198	6	114
104	Hypoxia adaptations in the grey wolf (<i>Canis lupus chanco</i>) from Qinghai-Tibet Plateau. <i>PLoS Genetics</i> , 2014 , 10, e1004466	6	107
103	The use of microsatellite variation to infer population structure and demographic history in a natural model system. <i>Genetics</i> , 1999 , 151, 797-801	4	107
102	Linkage disequilibrium and demographic history of wild and domestic canids. <i>Genetics</i> , 2009 , 181, 1493-505	10.6	106
101	Relationships and Genetic Purity of the Endangered Mexican Wolf Based on Analysis of Microsatellite Loci. <i>Conservation Biology</i> , 1996 , 10, 376-389	6	99
100	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> , 2016 , 2, e1501714	14.3	98
99	The behavioural ecology of the island fox (<i>Urocyon littoralis</i>). <i>Journal of Zoology</i> , 2001 , 255, 1-14	2	98
98	Molecular Genetics of Pre-1940 Red Wolves. <i>Conservation Biology</i> , 1996 , 10, 1413-1424	6	98
97	A study of the genetic relationships within and among wolf packs using DNA fingerprinting and mitochondrial DNA. <i>Behavioral Ecology and Sociobiology</i> , 1992 , 30, 83	2.5	90
96	Microsatellite analysis of genetic diversity in fragmented South African buffalo populations. <i>Animal Conservation</i> , 1998 , 1, 85-94	3.2	88
95	Hybridization and endangered species protection in the molecular era. <i>Molecular Ecology</i> , 2016 , 25, 2680-9	8.9	86
94	Demographic history, selection and functional diversity of the canine genome. <i>Nature Reviews Genetics</i> , 2017 , 18, 705-720	30.1	85
93	Genomic signatures of extensive inbreeding in Isle Royale wolves, a population on the threshold of extinction. <i>Science Advances</i> , 2019 , 5, eaau0757	14.3	82
92	Genetic evaluation of the three captive mexican wolf lineages. <i>Zoo Biology</i> , 1997 , 16, 47-69	1.6	81
91	Full of Sound and Fury: History of Ancient DNA. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1999 , 30, 457-477		79
90	POSTGLACIAL POPULATION EXPANSION DRIVES THE EVOLUTION OF LONG-DISTANCE MIGRATION IN A SONGBIRD. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 2403-2409	3.8	78
89	Genetic subdivision and candidate genes under selection in North American grey wolves. <i>Molecular Ecology</i> , 2016 , 25, 380-402	5.7	75

88	The adaptive value of morphological, behavioural and life-history traits in reproductive female wolves. <i>Journal of Animal Ecology</i> , 2013 , 82, 222-34	4.7	73
87	Ecological factors drive differentiation in wolves from British Columbia. <i>Journal of Biogeography</i> , 2009 , 36, 1516-1531	4.1	70
86	Mapping evolutionary process: a multi-taxa approach to conservation prioritization. <i>Evolutionary Applications</i> , 2011 , 4, 397-413	4.8	68
85	Origin, genetic diversity, and genome structure of the domestic dog. <i>BioEssays</i> , 1999 , 21, 247-57	4.1	67
84	Conservation in Conflict: the Tale of Two Endangered Species. <i>Conservation Biology</i> , 2003 , 17, 1251-1260		65
83	Tripartite genetic subdivisions in the ornate shrew (<i>Sorex ornatus</i>). <i>Molecular Ecology</i> , 2001 , 10, 127-47	5.7	63
82	Purging of Strongly Deleterious Mutations Explains Long-Term Persistence and Absence of Inbreeding Depression in Island Foxes. <i>Current Biology</i> , 2018 , 28, 3487-3494.e4	6.3	63
81	Evolutionary genomics of dog domestication. <i>Mammalian Genome</i> , 2012 , 23, 3-18	3.2	60
80	Admixture mapping identifies introgressed genomic regions in North American canids. <i>Molecular Ecology</i> , 2016 , 25, 2443-53	5.7	58
79	Demographically-Based Evaluation of Genomic Regions under Selection in Domestic Dogs. <i>PLoS Genetics</i> , 2016 , 12, e1005851	6	56
78	The concerted impact of domestication and transposon insertions on methylation patterns between dogs and grey wolves. <i>Molecular Ecology</i> , 2016 , 25, 1838-55	5.7	52
77	Comparison against 186 canid whole-genome sequences reveals survival strategies of an ancient clonally transmissible canine tumor. <i>Genome Research</i> , 2015 , 25, 1646-55	9.7	48
76	INTRASPECIFIC GENETIC DIFFERENTIATION IN CALIFORNIA SEA LIONS (<i>ZALOPHUS CALIFORNIANUS</i>) FROM SOUTHERN CALIFORNIA AND THE GULF OF CALIFORNIA. <i>Marine Mammal Science</i> , 1995 , 11, 46-58	1.9	48
75	Genetic evidence for the persistence of the critically endangered Sierra Nevada red fox in California. <i>Conservation Genetics</i> , 2007 , 8, 1083-1095	2.6	45
74	Disease and freeways drive genetic change in urban bobcat populations. <i>Evolutionary Applications</i> , 2015 , 8, 75-92	4.8	44
73	Inbreeding is reduced by female-biased dispersal and mating behavior in Ethiopian wolves. <i>Behavioral Ecology</i> , 2007 , 18, 579-589	2.3	44
72	Ecomorphology of Migratory and Sedentary Populations of the Yellow-Rumped Warbler (<i>Dendroica Coronata</i>) Ecomorfología de Poblaciones Migratorias y Sedentarias de <i>Dendroica coronata</i> Borja Millet et al. Ecomorphology of Yellow-Rumped Warblers. <i>Condor</i> , 2008 , 110, 335-344	2.1	43
71	Strongly deleterious mutations are a primary determinant of extinction risk due to inbreeding depression. <i>Evolution Letters</i> , 2021 , 5, 33-47	5.3	43

70	Modeling environmentally associated morphological and genetic variation in a rainforest bird, and its application to conservation prioritization. <i>Evolutionary Applications</i> , 2010 , 3, 1-16	4.8	42
69	The ecology of three sympatric jackal species in the Rift Valley of Kenya. <i>African Journal of Ecology</i> , 1989 , 27, 313-323	0.8	41
68	Survival and cause-specific mortality of gray foxes (<i>Urocyon cinereoargenteus</i>) in southern California. <i>Journal of Zoology</i> , 2005 , 266, 249-254	2	40
67	Whole mitochondrial genomes illuminate ancient intercontinental dispersals of grey wolves (<i>Canis lupus</i>). <i>Journal of Biogeography</i> , 2016 , 43, 1728-1738	4.1	40
66	Deciphering the Origin of Dogs: From Fossils to Genomes. <i>Annual Review of Animal Biosciences</i> , 2017 , 5, 281-307	13.7	39
65	Anacapa Toolkit: An environmental DNA toolkit for processing multilocus metabarcode datasets. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 1469-1475	7.7	39
64	Darwin's Fox: A Distinct Endangered Species in a Vanishing Habitat. <i>Conservation Biology</i> , 1996 , 10, 366-375		38
63	Targeted capture and resequencing of 1040 genes reveal environmentally driven functional variation in grey wolves. <i>Molecular Ecology</i> , 2016 , 25, 357-79	5.7	38
62	Kinship, parental manipulation and evolutionary origins of eusociality. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20142886	4.4	36
61	A serologic survey of the island fox (<i>Urocyon littoralis</i>) on the Channel Islands, California. <i>Journal of Wildlife Diseases</i> , 1992 , 28, 223-9	1.3	35
60	Kin encounter rate and inbreeding avoidance in canids. <i>Molecular Ecology</i> , 2011 , 20, 5348-58	5.7	34
59	GENETIC SUBDIVISIONS AMONG SMALL CANIDS: MITOCHONDRIAL DNA DIFFERENTIATION OF SWIFT, KIT, AND ARCTIC FOXES. <i>Evolution; International Journal of Organic Evolution</i> , 1993 , 47, 1313-1328	2.8	33
58	Isolation of polymorphic tetranucleotide microsatellite markers for the brown anole (<i>Anolis sagrei</i>). <i>Molecular Ecology Notes</i> , 2004 , 4, 176-178		32
57	Seasonal gene expression in a migratory songbird. <i>Molecular Ecology</i> , 2016 , 25, 5680-5691	5.7	31
56	Universal DNA methylation age across mammalian tissues		31
55	Urbanization and anticoagulant poisons promote immune dysfunction in bobcats. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	29
54	Establishing the foundation for an applied molecular taxonomy of otters in Southeast Asia. <i>Conservation Genetics</i> , 2008 , 9, 1589-1604	2.6	29
53	Natural Selection and Origin of a Melanistic Allele in North American Gray Wolves. <i>Molecular Biology and Evolution</i> , 2018 , 35, 1190-1209	8.3	28

52	Patterns of divergence in the olive sunbird <i>Cyanomitra olivacea</i> (Aves: Nectariniidae) across the African rainforest-savanna ecotone. <i>Biological Journal of the Linnean Society</i> , 2011 , 103, 821-835	1.9	28
51	Dog10K: an international sequencing effort to advance studies of canine domestication, phenotypes and health. <i>National Science Review</i> , 2019 , 6, 810-824	10.8	27
50	Adaptive Units for Conservation: Population Distinction and Historic Extinctions in the Island Scrub-Jay. <i>Conservation Biology</i> , 2005 , 19, 523-533	6	27
49	Aquatic Adaptation and Depleted Diversity: A Deep Dive into the Genomes of the Sea Otter and Giant Otter. <i>Molecular Biology and Evolution</i> , 2019 , 36, 2631-2655	8.3	26
48	A cryptic contact zone between divergent mitochondrial DNA lineages in southwestern North America supports past introgressive hybridization in the yellow-rumped warbler complex (Aves: <i>Dendroica coronata</i>). <i>Biological Journal of the Linnean Society</i> , 2011 , 103, 696-706	1.9	26
47	Foundress polyphenism and the origins of eusociality in a facultatively eusocial sweat bee, <i>Megalopta genalis</i> (Halictidae). <i>Behavioral Ecology and Sociobiology</i> , 2013 , 67, 331-340	2.5	25
46	Puma genomes from North and South America provide insights into the genomic consequences of inbreeding. <i>Nature Communications</i> , 2019 , 10, 4769	17.4	24
45	Evolutionary History, Selective Sweeps, and Deleterious Variation in the Dog. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2016 , 47, 73-96	13.5	24
44	Genome-wide expression reveals multiple systemic effects associated with detection of anticoagulant poisons in bobcats (<i>Lynx rufus</i>). <i>Molecular Ecology</i> , 2018 , 27, 1170-1187	5.7	22
43	Fine-scale genetic structure in Ethiopian wolves imposed by sociality, migration, and population bottlenecks. <i>Conservation Genetics</i> , 2010 , 11, 89-101	2.6	22
42	Genetic Divergence and Differentiation within the Western Scrub-Jay (<i>Aphelocoma californica</i>) Divergencia Genética y Diferenciación dentro de <i>Aphelocoma californica</i> Delaney, Zafar, and Wayne Genetic Divergence in Western Scrub-Jays. <i>Auk</i> , 2008 , 125, 839-849	2.1	19
41	Dire wolves were the last of an ancient New World canid lineage. <i>Nature</i> , 2021 , 591, 87-91	50.4	18
40	Pervasive Effects of Aging on Gene Expression in Wild Wolves. <i>Molecular Biology and Evolution</i> , 2016 , 33, 1967-78	8.3	17
39	De novo mutation rate estimation in wolves of known pedigree. <i>Molecular Biology and Evolution</i> , 2019 ,	8.3	17
38	variants in high altitude Tibetan wolves were selectively introgressed into highland dogs. <i>PeerJ</i> , 2017 , 5, e3522	3.1	17
37	Comparative genomics provides new insights into the remarkable adaptations of the African wild dog (<i>Lycaon pictus</i>). <i>Scientific Reports</i> , 2019 , 9, 8329	4.9	15
36	Similar genomic proportions of copy number variation within gray wolves and modern dog breeds inferred from whole genome sequencing. <i>BMC Genomics</i> , 2017 , 18, 977	4.5	15
35	Phylogeography and molecular phylogeny of Macaronesian island <i>Tarphius</i> (Coleoptera: Zopheridae): why are there so few species in the Azores?. <i>Journal of Biogeography</i> , 2012 , 39, 1583-1595	4.1	15

34	Connectivity of mule deer (<i>Odocoileus hemionus</i>) populations in a highly fragmented urban landscape. <i>Landscape Ecology</i> , 2019 , 34, 1097-1115	4.3	12
33	Detecting the vanishing populations of the highly endangered Darwin's fox, <i>Pseudalopex fulvipes</i> . <i>Animal Conservation</i> , 2004 , 7, 147-153	3.2	12
32	Transcriptomic analysis of skin pigmentation variation in the Virginia opossum (<i>Didelphis virginiana</i>). <i>Molecular Ecology</i> , 2018 , 27, 2680-2697	5.7	10
31	Microsatellite analysis of genetic diversity in fragmented South African buffalo populations 1998 , 1, 85		10
30	Molecular assessment of the phylogeny and biogeography of a recently diversified endemic group of South American canids (Mammalia: Carnivora: Canidae). <i>Genetics and Molecular Biology</i> , 2016 , 39, 442-51	2.5	10
29	Mexican Wolves Are a Valid Subspecies and an Appropriate Conservation Target. <i>Journal of Heredity</i> , 2015 , 106, 415-6	2.4	9
28	Genetic evidence for recent range fragmentation and severely restricted dispersal in the critically endangered Sierra Madre Sparrow, <i>Xenospiza baileyi</i> . <i>Conservation Genetics</i> , 2012 , 13, 283-291	2.6	8
27	Playing by the rules? Phenotypic adaptation to temperate environments in an American marsupial. <i>PeerJ</i> , 2018 , 6, e4512	3.1	8
26	Phylogeographic and diversification patterns of the white-nosed coati (<i>Nasua narica</i>): Evidence for south-to-north colonization of North America. <i>Molecular Phylogenetics and Evolution</i> , 2019 , 131, 149-163	4.1	8
25	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> , 2019 , 122, 133-149	3.6	7
24	Inferring the ancestry of African wild dogs that returned to the Serengeti-Mara. <i>Conservation Genetics</i> , 2012 , 13, 525-533	2.6	7
23	Conservation genomics illuminates the adaptive uniqueness of North American gray wolves. <i>Conservation Genetics</i> , 2019 , 20, 29-43	2.6	7
22	A Genome-Wide Perspective on the Persistence of Red Wolf Ancestry in Southeastern Canids. <i>Journal of Heredity</i> , 2020 , 111, 277-286	2.4	6
21	Determining the drivers of population structure in a highly urbanized landscape to inform conservation planning. <i>Conservation Biology</i> , 2018 , 32, 148-158	6	6
20	Response to Hohenlohe. <i>Science Advances</i> , 2017 , 3, e1701233	14.3	6
19	Defense of an expanded historical range for the Mexican wolf: A comment on Heffelfinger et al.. <i>Journal of Wildlife Management</i> , 2017 , 81, 1331-1333	1.9	6
18	Complex patterns of sex-biased demography in canines. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20181976	4.4	5
17	The utility of environmental DNA from sediment and water samples for recovery of observed plant and animal species from four Mojave Desert springs. <i>Environmental DNA</i> , 2021 , 3, 214-230	7.6	5

16	Polyphyletic ancestry of historic gray wolves inhabiting U.S. Pacific states. <i>Conservation Genetics</i> , 2015 , 16, 759-764	2.6	4
15	More is better. <i>Molecular Ecology</i> , 2009 , 18, 4994-4996	5.7	4
14	From zero to infinity: Minimum to maximum diversity of the planet by spatio-parametric Rao's quadratic entropy. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1153-1162	6.1	4
13	Hibernation slows epigenetic aging in yellow-bellied marmots		4
12	Gene expression shifts in yellow-bellied marmots prior to natal dispersal. <i>Behavioral Ecology</i> , 2019 , 30, 267-277	2.3	3
11	Genomic evidence for the Old divergence of Southern European wolf populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201206	4.4	3
10	Landscape analyses using eDNA metabarcoding and Earth observation predict community biodiversity in California. <i>Ecological Applications</i> , 2021 , 31, e02379	4.9	3
9	Optimization of RNA isolation and leukocyte viability in canid RNA expression studies. <i>Conservation Genetics Resources</i> , 2012 , 4, 27-29	0.8	2
8	ResponseHow the Gray Wolf Got Its Color. <i>Science</i> , 2009 , 325, 34-34	33.3	2
7	Ten polymorphic microsatellite loci for the endangered Buena Vista Lake shrew (<i>Sorex ornatus relictus</i>). <i>Molecular Ecology Notes</i> , 2006 , 6, 349-352		2
6	First reproductive signs of inbreeding depression in Southern California male mountain lions (<i>Puma concolor</i>). <i>Theriogenology</i> , 2022 , 177, 157-164	2.8	2
5	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> , 2021 , 112, 458-468	2.4	2
4	Hibernation slows epigenetic ageing in yellow-bellied marmots.. <i>Nature Ecology and Evolution</i> , 2022 , ,	12.3	2
3	The critically endangered vaquita is not doomed to extinction by inbreeding depression.. <i>Science</i> , 2022 , 376, 635-639	33.3	2
2	Differential gene expression patterns in spermatozoa from teratospermic and normospermic domestic cats. <i>Animal Reproduction Science</i> , 2021 , 226, 106698	2.1	1
1	Origin of the Red Wolf: Response to Nowak and Federoff and Gardener. <i>Conservation Biology</i> , 2008 , 12, 726-729		6