

Carles Vilà

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

10,674
citations

34016

52
h-index

34900

98
g-index

120
all docs

120
docs citations

120
times ranked

10146
citing authors

#	ARTICLE	IF	CITATIONS
1	New developments in the field of genomic technologies and their relevance to conservation management. <i>Conservation Genetics</i> , 2022, 23, 217-242.	0.8	26
2	Massive genome inversion drives coexistence of divergent morphs in common quails. <i>Current Biology</i> , 2022, 32, 462-469.e6.	1.8	25
3	Biased assessment of ongoing admixture using STRUCTURE in the absence of reference samples. <i>Molecular Ecology Resources</i> , 2021, 21, 677-689.	2.2	5
4	Phylogenomics and evolutionary history of Oreobates (Anura: Craugastoridae) Neotropical frogs along elevational gradients. <i>Molecular Phylogenetics and Evolution</i> , 2021, 161, 107167.	1.2	1
5	Automated genotyping of microsatellite loci from feces with high throughput sequences. <i>PLoS ONE</i> , 2021, 16, e0258906.	1.1	1
6	Vastly underestimated species richness of Amazonian salamanders (Plethodontidae: Bolitoglossa) and implications about plethodontid diversification. <i>Molecular Phylogenetics and Evolution</i> , 2020, 149, 106841.	1.2	18
7	Horses: Domestication. , 2020, , 5294-5296.		0
8	Towards high-throughput analyses of fecal samples from wildlife. <i>Animal Biodiversity and Conservation</i> , 2020, , 171-183.	0.3	2
9	Ecomorphological convergence in <i>Eleutherodactylus</i> frogs: a case of replicate radiations in the Caribbean. <i>Ecology Letters</i> , 2019, 22, 884-893.	3.0	37
10	From groups to communities in western lowland gorillas. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182019.	1.2	40
11	The genomic basis of adaptation to high-altitude habitats in the eastern honey bee (<i>Apis cerana</i>). <i>Molecular Ecology</i> , 2019, 28, 746-760.	2.0	30
12	Lethal management may hinder population recovery in Iberian wolves. <i>Biodiversity and Conservation</i> , 2019, 28, 415-432.	1.2	19
13	Mate guarding and male body condition shape male fertilization success and female mating system in the common quail. <i>Animal Behaviour</i> , 2018, 136, 107-117.	0.8	2
14	On the path to extinction: Inbreeding and admixture in a declining grey wolf population. <i>Molecular Ecology</i> , 2018, 27, 3599-3612.	2.0	46
15	Cryptic within cryptic: genetics, morphometrics, and bioacoustics delimitate a new species of <i>Eleutherodactylus</i> (Anura: Eleutherodactylidae) from Eastern Cuba. <i>Zootaxa</i> , 2017, 4221, zootaxa.4221.5.1.	0.2	6
16	Conservation genetics in the European Union – Biases, gaps and future directions. <i>Biological Conservation</i> , 2017, 209, 130-136.	1.9	26
17	Survival and divergence in a small group: The extraordinary genomic history of the endangered Apennine brown bear stragglers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9589-E9597.	3.3	140
18	Wolf population genetics in Europe: a systematic review, meta-analysis and suggestions for conservation and management. <i>Biological Reviews</i> , 2017, 92, 1601-1629.	4.7	131

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19	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.	1.2	24
20	A practical guide to build <i>de-novo</i> assemblies for single tissues of non-model organisms: the example of a Neotropical frog. <i>PeerJ</i> , 2017, 5, e3702.	0.9	16
21	Multiple Paternity in a Reintroduced Population of the Orinoco Crocodile (<i>Crocodylus intermedius</i>) at the El Frío Biological Station, Venezuela. <i>PLoS ONE</i> , 2016, 11, e0150245.	1.1	21
22	Whole mitochondrial genomes illuminate ancient intercontinental dispersals of grey wolves (<i>Canis lupus</i>). <i>Journal of Biogeography</i> , 2016, 43, 1728-1738.	1.4	57
23	Decades of population genetic research reveal the need for harmonization of molecular markers: the grey wolf <i>Canis lupus</i> as a case study. <i>Mammal Review</i> , 2016, 46, 44-59.	2.2	49
24	Larger brain size indirectly increases vulnerability to extinction in mammals. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 1364-1375.	1.1	44
25	Worldwide patterns of genomic variation and admixture in gray wolves. <i>Genome Research</i> , 2016, 26, 163-173.	2.4	160
26	Postcopulatory sexual selection favors fertilization success of restocking hybrid quails over native Common quails (<i>Coturnix coturnix</i>). <i>Journal of Ornithology</i> , 2016, 157, 33-42.	0.5	6
27	Reply to Garner et al.. <i>Trends in Ecology and Evolution</i> , 2016, 31, 83-84.	4.2	24
28	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, 152-157.	3.3	265
29	Demographically-Based Evaluation of Genomic Regions under Selection in Domestic Dogs. <i>PLoS Genetics</i> , 2016, 12, e1005851.	1.5	77
30	Effect of the enzyme and PCR conditions on the quality of high-throughput DNA sequencing results. <i>Scientific Reports</i> , 2015, 5, 8056.	1.6	57
31	Fine-scale kin recognition in the absence of social familiarity in the Siberian jay, a monogamous bird species. <i>Molecular Ecology</i> , 2015, 24, 5726-5738.	2.0	23
32	A test of the integrated evolutionary speed hypothesis in a Neotropical amphibian radiation. <i>Global Ecology and Biogeography</i> , 2015, 24, 804-813.	2.7	10
33	Genomics and the challenging translation into conservation practice. <i>Trends in Ecology and Evolution</i> , 2015, 30, 78-87.	4.2	469
34	Strong Artificial Selection in Domestic Mammals Did Not Result in an Increased Recombination Rate. <i>Molecular Biology and Evolution</i> , 2015, 32, 510-523.	3.5	34
35	A Simple Repeat Polymorphism in the MITF-M Promoter Is a Key Regulator of White Spotting in Dogs. <i>PLoS ONE</i> , 2014, 9, e104363.	1.1	50
36	Detecting slow introgression of invasive alleles in an extensively restocked game bird. <i>Frontiers in Ecology and Evolution</i> , 2014, 2, .	1.1	18

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37	Genome Sequencing Highlights the Dynamic Early History of Dogs. <i>PLoS Genetics</i> , 2014, 10, e1004016.	1.5	481
38	Neotropical diversification seen through glassfrogs. <i>Journal of Biogeography</i> , 2014, 41, 66-80.	1.4	91
39	Comparative evaluation of potential indicators and temporal sampling protocols for monitoring genetic erosion. <i>Evolutionary Applications</i> , 2014, 7, 984-998.	1.5	102
40	Decreased fitness of restocked hybrid quails prevents fast admixture with wild European quails. <i>Biological Conservation</i> , 2014, 171, 74-81.	1.9	18
41	Single-layer centrifugation separates spermatozoa from diploid cells in epididymal samples from gray wolves, <i>Canis lupus</i> (L.). <i>Theriogenology</i> , 2014, 82, 773-776.	0.9	8
42	Analysis of structural diversity in wolf-like canids reveals post-domestication variants. <i>BMC Genomics</i> , 2014, 15, 465.	1.2	16
43	Conservation Genetic Resources for Effective Species Survival (ConGRESS): Bridging the divide between conservation research and practice. <i>Journal for Nature Conservation</i> , 2013, 21, 433-437.	0.8	32
44	Bringing genetic diversity to the forefront of conservation policy and management. <i>Conservation Genetics Resources</i> , 2013, 5, 593-598.	0.4	145
45	Sample Planning Optimization Tool for conservation and population Genetics (<sc>SPOTG</sc>): a software for choosing the appropriate number of markers and samples. <i>Methods in Ecology and Evolution</i> , 2013, 4, 299-303.	2.2	66
46	Impact of hybridization with domestic dogs on the conservation of wild canids. , 2013, , 170-184.		21
47	Hibridaci3n entre la codorniz com3n (<i>Coturnix coturnix</i>) y la codorniz de granja: estado de un problema de conservaci3n. <i>Ecosistemas</i> , 2013, 22, 48-53.	0.2	6
48	Rethinking dog domestication by integrating genetics, archeology, and biogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8878-8883.	3.3	412
49	Are Farm-Reared Quails for Game Restocking Really Common Quails (<i>Coturnix coturnix</i>)?: A Genetic Approach. <i>PLoS ONE</i> , 2012, 7, e39031.	1.1	29
50	Species diversity of <i>Hyalinobatrachium</i> glassfrogs (Amphibia: Centrolenidae) from the Guiana Shield, with the description of two new species. <i>Zootaxa</i> , 2011, 3132, 1.	0.2	36
51	Prdm9, a Major Determinant of Meiotic Recombination Hotspots, Is Not Functional in Dogs and Their Wild Relatives, Wolves and Coyotes. <i>PLoS ONE</i> , 2011, 6, e25498.	1.1	64
52	Correlates of species richness in the largest Neotropical amphibian radiation. <i>Journal of Evolutionary Biology</i> , 2011, 24, 931-942.	0.8	42
53	Signatures of demographic bottlenecks in European wolf populations. <i>Conservation Genetics</i> , 2011, 12, 701-712.	0.8	48
54	Vanishing native American dog lineages. <i>BMC Evolutionary Biology</i> , 2011, 11, 73.	3.2	31

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55	Identification of Genomic Regions Associated with Phenotypic Variation between Dog Breeds using Selection Mapping. <i>PLoS Genetics</i> , 2011, 7, e1002316.	1.5	339
56	The role of humans in the diversification of a threatened island raptor. <i>BMC Evolutionary Biology</i> , 2010, 10, 384.	3.2	21
57	Noninvasive monitoring of wolves at the edge of their distribution and the cost of their conservation. <i>Animal Conservation</i> , 2010, 13, 157-161.	1.5	34
58	Phylogeographical analyses of domestic and wild yaks based on mitochondrial DNA: new data and reappraisal. <i>Journal of Biogeography</i> , 2010, 37, 2332-2344.	1.4	66
59	Phylogenetic systematics of Glassfrogs (Amphibia: Centrolenidae) and their sister taxon <i>Allophryne ruthveni</i> . <i>Zootaxa</i> , 2009, 2100, 1-97.	0.2	152
60	Deciphering the products of evolution at the species level: the need for an integrative taxonomy. <i>Zoologica Scripta</i> , 2009, 38, 431-447.	0.7	146
61	Wolf or dog? Genetic identification of predators from saliva collected around bite wounds on prey. <i>Conservation Genetics</i> , 2008, 9, 1275-1279.	0.8	65
62	Phylogenetic relationships of glassfrogs (Centrolenidae) based on mitochondrial and nuclear genes. <i>Molecular Phylogenetics and Evolution</i> , 2008, 48, 574-595.	1.2	83
63	Assortative mating and fragmentation within dog breeds. <i>BMC Evolutionary Biology</i> , 2008, 8, 28.	3.2	43
64	Barking up the wrong tree: Modern northern European dogs fail to explain their origin. <i>BMC Evolutionary Biology</i> , 2008, 8, 71.	3.2	22
65	Resurrection of <i>Hyalinobatrachium orcostale</i> and Notes on the <i>Hyalinobatrachium orientale</i> Species Complex (Anura: Centrolenidae). <i>Herpetologica</i> , 2008, 64, 472-484.	0.2	8
66	The Legacy of Domestication: Accumulation of Deleterious Mutations in the Dog Genome. <i>Molecular Biology and Evolution</i> , 2008, 25, 2331-2336.	3.5	129
67	Genetic analyses reveal independent domestication origins of Eurasian reindeer. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1849-1855.	1.2	99
68	Selection for tameness modulates the expression of heme related genes in silver foxes. <i>Behavioral and Brain Functions</i> , 2007, 3, 18.	1.4	8
69	A new species of <i>Hyalinobatrachium</i> (Centrolenidae: Anura) from Serranía de Perijá, Venezuela. <i>Zootaxa</i> , 2007, 1441, .	0.2	7
70	Transparent frogs show potential of natural world. <i>Nature</i> , 2007, 449, 972-972.	18.7	5
71	Differentiation of tundra/taiga and boreal coniferous forest wolves: genetics, coat colour and association with migratory caribou. <i>Molecular Ecology</i> , 2007, 16, 4149-4170.	2.0	163
72	Sea ice occurrence predicts genetic isolation in the Arctic fox. <i>Molecular Ecology</i> , 2007, 16, 4241-4255.	2.0	77

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73	Phylogeography of the white-tailed eagle, a generalist with large dispersal capacity. <i>Journal of Biogeography</i> , 2007, 34, 1193-1206.	1.4	45
74	Megafaunal Extinctions and the Disappearance of a Specialized Wolf Ecomorph. <i>Current Biology</i> , 2007, 17, 1146-1150.	1.8	182
75	Evaluation of methods for single hair DNA amplification. <i>Conservation Genetics</i> , 2007, 8, 977-981.	0.8	7
76	Reliability of noninvasive genetic census of otters compared to field censuses. <i>Conservation Genetics</i> , 2007, 8, 1097-1107.	0.8	59
77	Morphological and genetic sex identification of white-tailed eagle <i>Haliaeetus albicilla</i> nestlings. <i>Journal of Ornithology</i> , 2007, 148, 435-442.	0.5	32
78	Bottlenecked but long-lived: high genetic diversity retained in white-tailed eagles upon recovery from population decline. <i>Biology Letters</i> , 2006, 2, 316-319.	1.0	149
79	Genetic diversity, population structure, effective population size and demographic history of the Finnish wolf population. <i>Molecular Ecology</i> , 2006, 15, 1561-1576.	2.0	105
80	The ruddy duck <i>Oxyura jamaicensis</i> in Europe: natural colonization or human introduction?. <i>Molecular Ecology</i> , 2006, 15, 1441-1453.	2.0	21
81	Hybridization between white-headed ducks and introduced ruddy ducks in Spain. <i>Molecular Ecology</i> , 2006, 16, 629-638.	2.0	83
82	Genetic assessment of the Iberian wolf <i>Canis lupus signatus</i> captive breeding program. <i>Conservation Genetics</i> , 2006, 7, 861-878.	0.8	42
83	Unequal Contribution of Sexes in the Origin of Dog Breeds. <i>Genetics</i> , 2006, 172, 1121-1128.	1.2	60
84	Ebola Outbreak Killed 5000 Gorillas. <i>Science</i> , 2006, 314, 1564-1564.	6.0	326
85	Relaxation of selective constraint on dog mitochondrial DNA following domestication. <i>Genome Research</i> , 2006, 16, 990-994.	2.4	163
86	Microsatellite markers for two stiff-tail ducks: the white-headed duck, <i>Oxyura leucocephala</i> , and the ruddy duck, <i>O. jamaicensis</i> . <i>Molecular Ecology Notes</i> , 2005, 5, 263-265.	1.7	11
87	Selection for tameness has changed brain gene expression in silver foxes. <i>Current Biology</i> , 2005, 15, R915-R916.	1.8	67
88	Genes of domestic mammals augmented by backcrossing with wild ancestors. <i>Trends in Genetics</i> , 2005, 21, 214-218.	2.9	121
89	DISCORDANT PATTERNS OF MORPHOLOGICAL VARIATION IN GENETICALLY DIVERGENT POPULATIONS OF ORNATE SHREWS (<i>Sorex ornatus</i>). <i>Journal of Mammalogy</i> , 2004, 85, 886-896.	0.6	15
90	FAST TRACK: Legacy lost: genetic variability and population size of extirpated US grey wolves (<i>Canis</i>) Tj ETQq0 0 0 rBT /Overlock 10 Tf	2.0	150

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91	Limited number of patrines in horse domestication. <i>Nature Genetics</i> , 2004, 36, 335-336.	9.4	136
92	Genetic evaluation of an otter translocation program. <i>Conservation Genetics</i> , 2004, 5, 79-88.	0.8	37
93	Detecting the vanishing populations of the highly endangered Darwin's fox, <i>Pseudalopex fulvipes</i> . <i>Animal Conservation</i> , 2004, 7, 147-153.	1.5	16
94	From wild wolf to domestic dog: gene expression changes in the brain. <i>Molecular Brain Research</i> , 2004, 126, 198-206.	2.5	128
95	Two centuries of the Scandinavian wolf population: patterns of genetic variability and migration during an era of dramatic decline. <i>Molecular Ecology</i> , 2003, 12, 869-880.	2.0	98
96	Combined use of maternal, paternal and bi-parental genetic markers for the identification of wolf-dog hybrids. <i>Heredity</i> , 2003, 90, 17-24.	1.2	159
97	Rescue of a severely bottlenecked wolf (<i>Canis lupus</i>) population by a single immigrant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 91-97.	1.2	387
98	Ancient DNA Evidence for Old World Origin of New World Dogs. <i>Science</i> , 2002, 298, 1613-1616.	6.0	384
99	Title is missing!. <i>Conservation Genetics</i> , 2002, 3, 97-111.	0.8	66
100	Tales from the DNA of Domestic Horses. <i>Science</i> , 2001, 292, 218-219.	6.0	6
101	Patterns of population subdivision, gene flow and genetic variability in the African wild dog (<i>Lycaon</i>)	2.0	32
102	Tripartite genetic subdivisions in the ornate shrew (<i>Sorex ornatus</i>). <i>Molecular Ecology</i> , 2001, 10, 127-147.	2.0	74
103	Genetic variation and population structure in Scandinavian wolverine (<i>Gulo gulo</i>) populations. <i>Molecular Ecology</i> , 2001, 10, 53-63.	2.0	106
104	Y chromosome haplotyping in Scandinavian wolves (<i>Canis lupus</i>) based on microsatellite markers. <i>Molecular Ecology</i> , 2001, 10, 1959-1966.	2.0	104
105	Widespread Origins of Domestic Horse Lineages. <i>Science</i> , 2001, 291, 474-477.	6.0	423
106	Mitochondrial DNA phylogeography and population history of the grey wolf <i>Canis lupus</i> . <i>Molecular Ecology</i> , 1999, 8, 2089-2103.	2.0	314
107	Hybridization between Wolves and Dogs. <i>Conservation Biology</i> , 1999, 13, 195-198.	2.4	144
108	Phylogenetic relationships, evolution, and genetic diversity of the domestic dog. , 1999, 90, 71-77.		170

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109	Conservation genetics of the endangered Pampas deer (<i>Ozotoceros bezoarticus</i>). <i>Molecular Ecology</i> , 1998, 7, 47-56.	2.0	80
110	"Call of the wild". <i>Science</i> , 1997, 278, 205-209.	6.0	4
111	Multiple and Ancient Origins of the Domestic Dog. <i>Science</i> , 1997, 276, 1687-1689.	6.0	878
112	Fractals and search paths in mammals. <i>Landscape Ecology</i> , 1997, 12, 213-221.	1.9	66
113	Diurnal cycles in microhabitat use by forest passerines: consequences for community structure. <i>Ibis</i> , 1996, 138, 308-314.	1.0	5
114	Tooth losses and anomalies in the wolf (<i>Canis lupus</i>). <i>Canadian Journal of Zoology</i> , 1993, 71, 968-971.	0.4	29