Eduardo Eizirik

List of Publications by Year
in descending order

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112 papers	10,227 citations	81900 39 h-index	37204 96 g-index
117 all docs	117 docs citations	117 times ranked	9603 citing authors

#	Article	IF	Citations
1	Molecular phylogenetics and the origins of placental mammals. Nature, 2001, 409, 614-618.	27.8	1,292
2	Impacts of the Cretaceous Terrestrial Revolution and KPg Extinction on Mammal Diversification. Science, 2011, 334, 521-524.	12.6	1,264
3	Resolution of the Early Placental Mammal Radiation Using Bayesian Phylogenetics. Science, 2001, 294, 2348-2351.	12.6	1,215
4	Placental mammal diversification and the Cretaceousâ€“Tertiary boundary. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1056-1061.	7.1	767
5	The Late Miocene Radiation of Modern Felidae: A Genetic Assessment. Science, 2006, 311, 73-77.	12.6	596
6	Molecular Genetics and Evolution of Melanism in the Cat Family. Current Biology, 2003, 13, 448-453.	3.9	274
7	Phylogenomic evidence for ancient hybridization in the genomes of living cats (Felidae). Genome Research, 2016, 26, 1-11.	5.5	254
8	Pattern and timing of diversification of the mammalian order Carnivora inferred from multiple nuclear gene sequences. Molecular Phylogenetics and Evolution, 2010, 56, 49-63.	2.7	206
9	Molecular Dating and Biogeography of the Early Placental Mammal Radiation. , 2001, 92, 212-219.		198
10	Phylogeography, population history and conservation genetics of jaguars (Panthera onca, Mammalia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	179
11	Genomic legacy of the African cheetah, Acinonyx jubatus. Genome Biology, 2015, 16, 277.	8.8	167
12	The effect of habitat fragmentation on the genetic structure of a top predator: loss of diversity and high differentiation among remnant populations of Atlantic Forest jaguars (Panthera onca). Molecular Ecology, 2010, 19, 4906-4921.	3.9	162
13	Mesozoic origin for West Indian insectivores. Nature, 2004, 429, 649-651.	27.8	149
14	Genome-wide signatures of complex introgression and adaptive evolution in the big cats. Science Advances, 2017, 3, e1700299.	10.3	142
15	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 May 2009â€“31 July 2009. Molecular Ecology Resources, 2009, 9, 1460-1466.	4.8	128
16	Phylogeny of the Procyonidae (Mammalia: Carnivora): Molecules, morphology and the Great American Interchange. Molecular Phylogenetics and Evolution, 2007, 43, 1076-1095.	2.7	116
17	Specifying and Sustaining Pigmentation Patterns in Domestic and Wild Cats. Science, 2012, 337, 1536-1541.	12.6	110
18	A biodiversity hotspot losing its top predator: The challenge of jaguar conservation in the Atlantic Forest of South America. Scientific Reports, 2016, 6, 37147.	3.3	108

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19	The Adequacy of Morphology for Reconstructing the Early History of Placental Mammals. Systematic Biology, 2007, 56, 673-684.	5.6	107
20	Molecular Data Reveal Complex Hybridization and a Cryptic Species of Neotropical Wild Cat. Current Biology, 2013, 23, 2528-2533.	3.9	106
21	Recombination-Aware Phylogenomics Reveals the Structured Genomic Landscape of Hybridizing Cat Species. Molecular Biology and Evolution, 2019, 36, 2111-2126.	8.9	98
22	Molecular systematics of the Hyaenidae: Relationships of a relictual lineage resolved by a molecular supermatrix. Molecular Phylogenetics and Evolution, 2006, 38, 603-620.	2.7	92
23	Tyrosinase and Tyrosinase Related Protein 1 Alleles Specify Domestic Cat Coat Color Phenotypes of the albino and brown Loci. Journal of Heredity, 2005, 96, 289-301.	2.4	90
24	A homozygous single-base deletion in MLPH causes the dilute coat color phenotype in the domestic cat. Genomics, 2006, 88, 698-705.	2.9	89
25	Phylogeographic Patterns and Evolution of the Mitochondrial DNA Control Region in Two Neotropical Cats (Mammalia, Felidae). Journal of Molecular Evolution, 1998, 47, 613-624.	1.8	87
26	Interâ€špecies hybridization among Neotropical cats of the genusLeopardus, and evidence for an introgressive hybrid zone betweenL. geoffroyiandL. tigrinusin southern Brazil. Molecular Ecology, 2008, 17, 4317-4333.	3.9	83
27	Four Independent Mutations in the Feline Fibroblast Growth Factor 5 Gene Determine the Long-Haired Phenotype in Domestic Cats. Journal of Heredity, 2007, 98, 555-566.	2.4	71
28	DNA barcoding meets molecular scatology: short mtDNA sequences for standardized species assignment of carnivore noninvasive samples. Molecular Ecology Resources, 2012, 12, 18-35.	4.8	71
29	The evolutionary history of extinct and living lions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10927-10934.	7.1	70
30	Disparate phylogeographic patterns of molecular genetic variation in four closely related South American small cat species. Molecular Ecology, 1999, 8, S79-S94.	3.9	69
31	Phylogeography and population history of the crab-eating fox (Cerdocyon thous). Molecular Ecology, 2006, 16, 819-838.	3.9	69
32	Endogenous Retrovirus Insertion in theKITOncogene DeterminesWhiteandWhite spottingin Domestic Cats. G3: Genes, Genomes, Genetics, 2014, 4, 1881-1891.	1.8	66
33	Mapping the evolutionary twilight zone: molecular markers, populations and geography. Journal of Biogeography, 2008, 35, 753-763.	3.0	61
34	Puma genomes from North and South America provide insights into the genomic consequences of inbreeding. Nature Communications, 2019, 10, 4769.	12.8	55
35	How the Leopard Hides Its Spots: ASIP Mutations and Melanism in Wild Cats. PLoS ONE, 2012, 7, e50386.	2.5	51
36			

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37	Defining and Mapping Mammalian Coat Pattern Genes: Multiple Genomic Regions Implicated in Domestic Cat Stripes and Spots. Genetics, 2010, 184, 267-275.	2.9	47
38	Genome-wide analyses reveal drivers of penguin diversification. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22303-22310.	7.1	47
39	Structure and patterns of sequence variation in the mitochondrial DNA control region of the great cats. Mitochondrion, 2001, 1, 279-292.	3.4	46
40	Waking the undead: Implications of a soft explosive model for the timing of placental mammal diversification. Molecular Phylogenetics and Evolution, 2017, 106, 86-102.	2.7	45
41	GENOMICS: On Choosing Mammalian Genomes for Sequencing. Science, 2001, 292, 2264-2266.	12.6	45
42	Molecular Phylogenetics of Subclass Peritrichia (Ciliophora: Oligohymenophorea) Based on Expanded Analyses of 18S rRNA Sequences. Journal of Eukaryotic Microbiology, 2007, 54, 303-305.	1.7	43
43	Atlantic Rainforest's Jaguars in Decline. Science, 2013, 342, 930-930.	12.6	43
44	Development and testing of an optimized method for DNA-based identification of jaguar (Panthera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2009, 136, 505-512.	1.1	41
45	BRAZIL ROADâ€KILL: a data set of wildlife terrestrial vertebrate roadâ€kills. Ecology, 2018, 99, 2625-2625.	3.2	40
46	The coming of age of conservation genetics in Latin America: what has been achieved and what needs to be done. Conservation Genetics, 2018, 19, 1-15.	1.5	38
47	An autosomal genetic linkage map of the domestic cat, Felis silvestris catus. Genomics, 2009, 93, 305-313.	2.9	36
48	Recurrent Evolution of Melanism in South American Felids. PLoS Genetics, 2015, 11, e1004892.	3.5	36
49	Mapping black panthers: Macroecological modeling of melanism in leopards (Panthera pardus). PLoS ONE, 2017, 12, e0170378.	2.5	35
50	Biogeography of polymorphic phenotypes: Mapping and ecological modelling of coat colour variants in an elusive Neotropical cat, the jaguarundi (Puma yagouaroundi). Journal of Zoology, 2016, 299, 295-303.	1.7	34
51	Discovery of a chemosynthesis-based community in the western South Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 112, 45-56.	1.4	34
52	Genomic Adaptations and Evolutionary History of the Extinct Scimitar-Toothed Cat, Homotherium latidens. Current Biology, 2020, 30, 5018-5025.e5.	3.9	34
53	Expanded Phylogenetic Representation of Genera Opercularia and Epistylis Sheds Light on the Evolution and Higherâ€Level Taxonomy of Peritrich Ciliates (Ciliophora: Peritrichia). Journal of Eukaryotic Microbiology, 2010, 57, 415-420.	1.7	33
54	Taxonomic revision of the genusGalictis(Carnivora: Mustelidae): species delimitation, morphological diagnosis, and refined mapping of geographical distribution. Zoological Journal of the Linnean Society, 2013, 167, 449-472.	2.3	31

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55	Molecular Phylogeny and Dating of Early Primate Divergences. , 2004, , 45-64.		30
56	A Domestic cat X Chromosome Linkage Map and the Sex-LinkedorangeLocus: Mapping oforange, Multiple Origins and Epistasis Overnonagouti. Genetics, 2009, 181, 1415-1425.	2.9	30
57	Successful carnivore identification with faecal DNA across a fragmented Amazonian landscape. Molecular Ecology Resources, 2011, 11, 862-871.	4.8	29
58	A Molecular View on the Evolutionary History and Biogeography of Neotropical Carnivores (Mammalia, Carnivora). , 2012, , 123-142.		29
59	Near fixation of melanism in leopards of the Malay Peninsula. Journal of Zoology, 2010, 282, 201-206.	1.7	28
60	Molecular ecology of the Neotropical otter (Lontra longicaudis): non-invasive sampling yields insights into local population dynamics. Biological Journal of the Linnean Society, 2013, 109, 932-948.	1.6	27
61	NEOTROPICAL CARNIVORES: a data set on carnivore distribution in the Neotropics. Ecology, 2020, 101, e03128.	3.2	26
62	Comparative Assessment of Genetic and Morphological Variation at an Extensive Hybrid Zone between Two Wild Cats in Southern Brazil. PLoS ONE, 2014, 9, e108469.	2.5	26
63	Geographic distribution and food habits ofLeopardus tigrinusandL. geoffroyi(Carnivora,) Tj ETQq1 1 0.784314 rgBT /Ov Environment, 2013, 48, 56-67.	1.0	23
64	Phylogeography and Demographic History of the Neotropical Otter (Lontra longicaudis). Journal of Heredity, 2012, 103, 479-492.	2.4	22
65	Geographic distribution modeling of the margay (Leopardus wiedii) and jaguarundi (Puma) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.3	22
66	Paternity testing and behavioral ecology: a case study of jaguars (Panthera onca) in Emas National Park, Central Brazil. Genetics and Molecular Biology, 2006, 29, 735-740.	1.3	21
67	Morphology and Placental Mammal Phylogeny. Systematic Biology, 2008, 57, 499-503.	5.6	21
68	Worrisome isolation: noninvasive genetic analyses shed light on the critical status of a remnant jaguar population. Journal of Mammalogy, 2018, 99, 397-407.	1.3	21
69	Microbiota associated with tubes of Escarpia sp. from cold seeps in the southwestern Atlantic Ocean constitutes a community distinct from that of surrounding marine sediment and water. Antonie Van Leeuwenhoek, 2018, 111, 533-550.	1.7	21
70	Refined assessment of the geographic distribution of Geoffroy's cat (Leopardus geoffroyi) (Mammalia: Felidae) in the Neotropics. Journal of Zoology, 2016, 298, 285-292.	1.7	20
71	The role of the environment in the spatial dynamics of an extensive hybrid zone between two neotropical cats. Journal of Evolutionary Biology, 2021, 34, 614-627.	1.7	19
72	Melanism evolution in the cat family is influenced by intraspecific communication under low visibility. PLoS ONE, 2019, 14, e0226136.	2.5	18

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73	Margay (Leopardus wiedii) in the southernmost Atlantic Forest: Density and activity patterns under different levels of anthropogenic disturbance. PLoS ONE, 2020, 15, e0232013.	2.5	18
74	Genetic diversity of the Neotropical otter (Lontra longicaudis Olfers, 1818) in Southern and Southeastern Brazil. Brazilian Journal of Biology, 2007, 67, 813-818.	0.9	17
75	Molecular evidence for a recent demographic expansion in the puma (Puma concolor) (Mammalia,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	16
76	Molecular assessment of the phylogeny and biogeography of a recently diversified endemic group of South American canids (Mammalia: Carnivora: Canidae). Genetics and Molecular Biology, 2016, 39, 442-451.	1.3	16
77	Large-scale assessment of genetic diversity and population connectivity of Amazonian jaguars (Panthera onca) provides a baseline for their conservation and monitoring in fragmented landscapes. Biological Conservation, 2020, 242, 108417.	4.1	16
78	Epistylis portoalegrensis n. sp. (Ciliophora, Peritrichia): A New Freshwater Ciliate Species from Southern Brazil. Journal of Eukaryotic Microbiology, 2016, 63, 93-99.	1.7	15
79	Characterization of ciliate diversity in bromeliad tank waters from the Brazilian Atlantic Forest. European Journal of Protistology, 2017, 61, 359-365.	1.5	15
80	Phylogeographic analyses of the pampas cat (Leopardus colocola; Carnivora, Felidae) reveal a complex demographic history. Genetics and Molecular Biology, 2018, 41, 273-287.	1.3	15
81	Population Genetics of Jaguars (Panthera onca) in the Brazilian Pantanal: Molecular Evidence for Demographic Connectivity on a Regional Scale. Journal of Heredity, 2015, 106, 503-511.	2.4	14
82	Trends in cheetah <scp>Acinonyx jubatus</scp> density in northâ€central Namibia. Population Ecology, 2020, 62, 233-243.	1.2	14
83	Phylogenomics of the worldâ€™s otters. Current Biology, 2022, 32, 3650-3658.e4.	3.9	14
84	Microbial diversity from chlorophyll maximum, oxygen minimum and bottom zones in the southwestern Atlantic Ocean. Journal of Marine Systems, 2018, 178, 52-61.	2.1	13
85	Genetics and Evolution of Mammalian Coat Pigmentation. Annual Review of Animal Biosciences, 2021, 9, 125-148.	7.4	13
86	Jaguars from the Brazilian Pantanal: Low genetic structure, male-biased dispersal, and implications for long-term conservation. Biological Conservation, 2021, 259, 109153.	4.1	13
87	The genus Rhagomys (Thomas 1917) (Rodentia, Cricetidae, Sigmodontinae) in South America: morphological considerations, geographic distribution and zoogeographic comments. Mammalia, 2011, 75, .	0.7	11
88	Conservation genetics of maned wolves in a highly impacted area of the Brazilian Cerrado biome. Genetica, 2011, 139, 369-381.	1.1	11
89	Seasonal Physiological Parameters and Phytotelmata Bacterial Diversity of Two Bromeliad Species (Aechmea gamosepala and Vriesea platynema) from the Atlantic Forest of Southern Brazil. Diversity, 2019, 11, 111.	1.7	11
90	Mapping of the Domestic Cat â€œSILVERâ€•Coat Color Locus Identifies a Unique Genomic Location for Silver in Mammals. Journal of Heredity, 2009, 100, S8-S13.	2.4	10

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91	Using reliable predator identification to investigate feeding habits of Neotropical carnivores (Mammalia, Carnivora) in a deforestation frontier of the Brazilian Amazon. Mammalia, 2019, 83, 415-427.	0.7	10
92	High extinction risk and limited habitat connectivity of MuÃ±oaâ€™s pampas cat, an endemic felid of the Uruguayan Savanna ecoregion. Journal for Nature Conservation, 2021, 62, 126009.	1.8	10
93	Crossâ€amplification and characterization of 13 tetranucleotide microsatellites in multiple species of Neotropical canids. Molecular Ecology Resources, 2008, 8, 898-900.	4.8	8
94	Lack of Population Genetic Structuring in Ocelots (Leopardus pardalis) in a Fragmented Landscape. Diversity, 2015, 7, 295-306.	1.7	7
95	Multiple methods increase detection of large and medium-sized mammals: working with volunteers in south-eastern Oman. Oryx, 2017, 51, 290-297.	1.0	7
96	Spatial organization and social dynamics of Geoffroyâ€™s cat in the Brazilian pampas. Journal of Mammalogy, 2018, 99, 859-873.	1.3	7
97	Integrating morphology and DNA barcoding to assess cetacean diversity in Brazil. Mammal Research, 2021, 66, 349-369.	1.3	7
98	Toward Innovative Integrated Approaches for the Conservation of Mammals. Natureza A Conservacao, 2011, 9, 1-6.	2.5	7
99	Molecular tracking of jaguar melanism using faecal DNA. Conservation Genetics, 2010, 11, 1239-1242.	1.5	6
100	Identification and characterization of diverse groups of endogenous retroviruses in felids. Retrovirology, 2015, 12, 26.	2.0	6
101	Density and spatio-temporal behaviour of Geoffroy's cats in a human-dominated landscape of southern Brazil. Mammalian Biology, 2019, 99, 128-135.	1.5	6
102	Genome-Wide SNPs Clarify a Complex Radiation and Support Recognition of an Additional Cat Species. Molecular Biology and Evolution, 2021, 38, 4987-4991.	8.9	6
103	Whole-genome sequences shed light on the demographic history and contemporary genetic erosion of free-ranging jaguar (Panthera onca) populations. Journal of Genetics and Genomics, 2022, 49, 77-80.	3.9	4
104	Distinct deep subsurface microbial communities in two sandstone units separated by a mudstone layer. Geosciences Journal, 2020, 24, 267-274.	1.2	3
105	Remarkably Complex Microbial Community Composition in Bromeliad Tank Waters Revealed by eDNA Metabarcoding. Journal of Eukaryotic Microbiology, 2020, 67, 593-607.	1.7	3
106	Genomic Signatures of Divergent Ecological Strategies in a Recent Radiation of Neotropical Wild Cats. Molecular Biology and Evolution, 2022, 39, .	8.9	3
107	Response to Comment on â€œImpacts of the Cretaceous Terrestrial Revolution and KPg Extinction on Mammal Diversificationâ€. Science, 2012, 337, 34-34.	12.6	2
108	Molecular sexing of Neotropical otter (Lontra longicaudis) noninvasive samples. Conservation Genetics Resources, 2012, 4, 575-577.	0.8	2

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109	Response to Comment by Faurby, Werdelin and Svenning. Genome Biology, 2016, 17, 90.	8.8	2
110	Description of Two New Species of the Genus Vorticella (Ciliophora: Peritrichia) Epibionts on Pomacea canaliculata (Mollusca: Ampullariidae: Gastropoda)Âin Southern Brazil. Zootaxa, 2018, 4508, 211.	0.5	0
111	Animal Pigmentation Genetics in Ecology, Evolution, and Domestication. Journal of Heredity, 2021, 112, 393-394.	2.4	0
112	Broad tiger stripes in a small habitat patch. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2114685118.	7.1	0