

Ana C Carnaval

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

3,744
citations

257357

24
h-index

265120

42
g-index

46
all docs

46
docs citations

46
times ranked

4765
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability Predicts Genetic Diversity in the Brazilian Atlantic Forest Hotspot. <i>Science</i> , 2009, 323, 785-789.	6.0	922
2	Historical climate modelling predicts patterns of current biodiversity in the Brazilian Atlantic forest. <i>Journal of Biogeography</i> , 2008, 35, 1187-1201.	1.4	638
3	PaleoClim, high spatial resolution paleoclimate surfaces for global land areas. <i>Scientific Data</i> , 2018, 5, 180254.	2.4	265
4	Latitude, elevational climatic zonation and speciation in New World vertebrates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 194-201.	1.2	186
5	The origin and maintenance of montane diversity: integrating evolutionary and ecological processes. <i>Ecography</i> , 2014, 37, 711-719.	2.1	182
6	Distribution models for the amphibian chytrid <i>Batrachochytrium dendrobatidis</i> in Costa Rica: proposing climatic refuges as a conservation tool. <i>Diversity and Distributions</i> , 2009, 15, 401-408.	1.9	144
7	Biome stability in South America over the last 30 kyr: Inferences from long-term vegetation dynamics and habitat modelling. <i>Global Ecology and Biogeography</i> , 2018, 27, 285-297.	2.7	119
8	Inferring responses to climate dynamics from historical demography in neotropical forest lizards. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7978-7985.	3.3	91
9	Demographic processes in the montane Atlantic rainforest: Molecular and cytogenetic evidence from the endemic frog <i>Proceratophrys boiei</i> . <i>Molecular Phylogenetics and Evolution</i> , 2012, 62, 880-888.	1.2	86
10	Integrating remote sensing with ecology and evolution to advance biodiversity conservation. <i>Nature Ecology and Evolution</i> , 2022, 6, 506-519.	3.4	84
11	Molecular phylogeny and morphometric analyses reveal deep divergence between Amazonia and Atlantic Forest species of <i>Dendrophryniscus</i> . <i>Molecular Phylogenetics and Evolution</i> , 2012, 62, 826-838.	1.2	79
12	Natural History Collections as Emerging Resources for Innovative Education. <i>BioScience</i> , 2014, 64, 725-734.	2.2	76
13	Variable responses of skinks to a common history of rainforest fluctuation: concordance between phylogeography and palaeo-distribution models. <i>Molecular Ecology</i> , 2009, 18, 483-499.	2.0	74
14	A tale of two niches: methods, concepts, and evolution. <i>Frontiers of Biogeography</i> , 2019, 11, .	0.8	73
15	A mid-Pleistocene rainforest corridor enabled synchronous invasions of the Atlantic Forest by Amazonian anole lizards. <i>Molecular Ecology</i> , 2016, 25, 5174-5186.	2.0	70
16	Evaluating forest refugial models using species distribution models, model filling and inclusion: a case study with 14 Brazilian species. <i>Diversity and Distributions</i> , 2013, 19, 330-340.	1.9	58
17	Divergence of thermal physiological traits in terrestrial breeding frogs along a tropical elevational gradient. <i>Ecology and Evolution</i> , 2017, 7, 3257-3267.	0.8	58
18	Predicting the genetic consequences of future climate change: The power of coupling spatial demography, the coalescent, and historical landscape changes. <i>American Journal of Botany</i> , 2016, 103, 153-163.	0.8	43

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19	Environmental correlates of floristic regions and plant turnover in the Atlantic Forest hotspot. <i>Journal of Biogeography</i> , 2016, 43, 2322-2331.	1.4	42
20	Biogeographic links between southern Atlantic Forest and western South America: Rediscovery, re-description, and phylogenetic relationships of two rare montane anole lizards from Brazil. <i>Molecular Phylogenetics and Evolution</i> , 2017, 113, 49-58.	1.2	41
21	Revisiting the vanishing refuge model of diversification. <i>Frontiers in Genetics</i> , 2014, 5, 353.	1.1	37
22	Bioclimatic variables derived from remote sensing: assessment and application for species distribution modelling. <i>Methods in Ecology and Evolution</i> , 2014, 5, 1033-1042.	2.2	37
23	Phylogeographic structure is strong in the Atlantic Forest; predictive power of correlative paleodistribution models, not always. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2013, 51, 114-121.	0.6	34
24	Local adaptation in mainland anole lizards: Integrating population history and genome-environment associations. <i>Ecology and Evolution</i> , 2018, 8, 11932-11944.	0.8	29
25	Environmental correlates of anuran beta diversity in the Brazilian Cerrado. <i>Ecography</i> , 2013, 36, 708-717.	2.1	26
26	Seeing the forest through many trees: Multi-taxon patterns of phylogenetic diversity in the Atlantic Forest hotspot. <i>Diversity and Distributions</i> , 2020, 26, 1160-1176.	1.9	26
27	Predictors of intraspecific morphological variability in a tropical hotspot: comparing the influence of random and non-random factors. <i>Journal of Biogeography</i> , 2016, 43, 2160-2172.	1.4	22
28	Bayesian analyses detect a history of both vicariance and geodispersal in Neotropical freshwater fishes. <i>Journal of Biogeography</i> , 2018, 45, 1313-1325.	1.4	21
29	Phylogeography of Atlantic Forest glassfrogs (<i>Vitreorana</i>): when geography, climate dynamics and rivers matter. <i>Heredity</i> , 2019, 122, 545-557.	1.2	21
30	Responding to Amphibian Loss. <i>Science</i> , 2006, 314, 1541-1542.	6.0	20
31	Environmental correlates of taxonomic and phylogenetic diversity in the Atlantic Forest. <i>Journal of Biogeography</i> , 2021, 48, 1377-1391.	1.4	18
32	A NEW SPECIES OF HYLIA FROM NORTHEASTERN BRAZIL (AMPHIBIA, ANURA, HYLIDAE). <i>Herpetologica</i> , 2004, 60, 387-395.	0.2	17
33	The effect of past defaunation on ranges, niches, and future biodiversity forecasts. <i>Global Change Biology</i> , 2022, 28, 3683-3693.	4.2	17
34	Thermophysiology, microclimates, and species distributions of lizards in the mountains of the Brazilian Atlantic Forest. <i>Ecography</i> , 2019, 42, 354-364.	2.1	14
35	Links between prey assemblages and poison frog toxins: A landscape ecology approach to assess how biotic interactions affect species phenotypes. <i>Ecology and Evolution</i> , 2019, 9, 14317-14329.	0.8	13
36	Discovery of a new species of <i>Anolis</i> lizards from Brazil and its implications for the historical biogeography of montane Atlantic Forest endemics. <i>Amphibia - Reptilia</i> , 2020, 41, 87-103.	0.1	11

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37	Sufficient versus optimal climatic stability during the Late Quaternary: using environmental quality to guide phylogeographic inferences in a Neotropical montane system. <i>Journal of Mammalogy</i> , 2019, 100, 1783-1807.	0.6	10
38	Convergence science in the Anthropocene: Navigating the known and unknown. <i>People and Nature</i> , 2020, 2, 96-102.	1.7	9
39	Molecular Identification and Geographic Origin of an Exotic Anole Lizard Introduced to Brazil, with Remarks on Its Natural History. <i>South American Journal of Herpetology</i> , 2016, 11, 220-227.	0.5	8
40	Effects of climate and geography on spatial patterns of genetic structure in tropical skinks. <i>Molecular Phylogenetics and Evolution</i> , 2020, 143, 106661.	1.2	6
41	Hidden in the DNA: How multiple historical processes and natural history traits shaped patterns of cryptic diversity in an Amazon leaf-litter lizard <i>Loxopholis osvaldoi</i> (Squamata). <i>Tj ETQq1 1 0.784314 rgBT10verlocke10 Tf 50</i>	1.0	5
42	A framework for near-real time monitoring of diversity patterns based on indirect remote sensing, with an application in the Brazilian Atlantic rainforest. <i>PeerJ</i> , 0, 10, e13534.	0.9	3
43	Whiptail lizard lineage delimitation and population expansion as windows into the history of Amazonian open ecosystems. <i>Systematics and Biodiversity</i> , 2021, 19, 957-975.	0.5	2
44	Predicting Patterns of Plant Diversity and Endemism in the Tropics Using Remote Sensing Data: A Study Case from the Brazilian Atlantic Forest. , 2020, , 255-266.		2
45	Extreme environments filter functionally rich communities of Atlantic Forest treefrogs along altitudinal and latitudinal gradients. <i>Ecography</i> , 2022, 2022, .	2.1	0