Gabriel C Costa

List of Publications by Year
in descending order

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72 papers	4,332 citations	172207 29 h-index	118652 62 g-index
75 all docs	75 docs citations	75 times ranked	6744 citing authors

#	Article	IF	Citations
1	No link between population isolation and speciation rate in squamate reptiles. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	13
2	Multimodal female mate choice in a polymorphic flat rock lizard. Behavioral Ecology and Sociobiology, 2022, 76, .	0.6	4
3	Congruence and Conflict in the Higher-Level Phylogenetics of Squamate Reptiles: An Expanded Phylogenomic Perspective. Systematic Biology, 2021, 70, 542-557.	2.7	35
4	Idiosyncratic responses to drivers of genetic differentiation in the complex landscapes of Isthmian Central America. Heredity, 2021, 126, 251-265.	1.2	5
5	Amphibian Speciation Rates Support a General Role of Mountains as Biodiversity Pumps. American Naturalist, 2021, 198, E68-E79.	1.0	19
6	The trade-off between color and size in lizardsâ€™ conspicuous tails. Behavioural Processes, 2021, 192, 104496.	0.5	5
7	Decoupled erosion of amphibiansâ€™ phylogenetic and functional diversity due to extinction. Global Ecology and Biogeography, 2020, 29, 309-319.	2.7	24
8	Chemical signalling behaviour in intrasexual communication of lizards lacking femoral pores. Ethology, 2020, 126, 772-779.	0.5	6
9	Placing the hybrid origin of the asexual Amazon molly (Poecilia formosa) based on historical climate data. Biological Journal of the Linnean Society, 2020, 129, 835-843.	0.7	3
10	Plant phylogenetic diversity stabilizes largeâ€scale ecosystem productivity. Global Ecology and Biogeography, 2019, 28, 1430-1439.	2.7	34
11	Global patterns of terrestriality in amphibian reproduction. Global Ecology and Biogeography, 2019, 28, 744-756.	2.7	19
12	Model-based riverscape genetics: disentangling the roles of local and connectivity factors in shaping spatial genetic patterns of two Amazonian turtles with different dispersal abilities. Evolutionary Ecology, 2019, 33, 273-298.	0.5	15
13	The role of strict nature reserves in protecting genetic diversity in a semiarid vegetation in Brazil. Biodiversity and Conservation, 2019, 28, 2877-2890.	1.2	3
14	Aggression, color signaling, and performance of the male color morphs of a Brazilian lizard (Tropidurus semitaeniatus). Behavioral Ecology and Sociobiology, 2019, 73, 1.	0.6	16
15	Cetartiodactyla: Updating a time-calibrated molecular phylogeny. Molecular Phylogenetics and Evolution, 2019, 133, 256-262.	1.2	87
16	Species diversity as a surrogate for conservation of phylogenetic and functional diversity in terrestrial vertebrates across the Americas. Nature Ecology and Evolution, 2019, 3, 53-61.	3.4	45
17	Conspecifics of the Striped Lava Lizard are able to distinguish sex and male colour morphs in apparently homogeneous dull dorsal colouration. Amphibia - Reptilia, 2019, 40, 149-162.	0.1	6
18	Evolutionary time drives global tetrapod diversity. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172378.	1.2	32

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19	Biome stability in South America over the last 30 kyr: Inferences from longâ€term vegetation dynamics and habitat modelling. Global Ecology and Biogeography, 2018, 27, 285-297.	2.7	119
20	Ethogram With the Description of a New Behavioral Display for the Striped Lava Lizard, Tropidurus semitaeniatus. South American Journal of Herpetology, 2018, 13, 96.	0.5	8
21	Niche dynamics of two cryptic Prosopis invading South American drylands. Biological Invasions, 2018, 20, 181-194.	1.2	13
22	Environmental variation is a major predictor of global trait turnover in mammals. Journal of Biogeography, 2018, 45, 225-237.	1.4	17
23	Climatic suitability, isolation by distance and river resistance explain genetic variation in a Brazilian whiptail lizard. Heredity, 2018, 120, 251-265.	1.2	39
24	Priority areas for conservation within four freshwater ecoregions in South America: A scale perspective based on freshwater crabs (Anomura, Aeglidae). Aquatic Conservation: Marine and Freshwater Ecosystems, 2018, 28, 1077-1088.	0.9	8
25	Phylogeography of Muller's termite frog suggests the vicariant role of the Central Brazilian Plateau. Journal of Biogeography, 2018, 45, 2508-2519.	1.4	22
26	Morphological and ecological divergence in South American canids. Journal of Biogeography, 2017, 44, 821-833.	1.4	24
27	Female Brazilian whiptail lizards (Cnemidophorus ocellifer) prefer males with high ultraviolet ornament reflectance. Behavioural Processes, 2017, 142, 33-39.	0.5	14
28	AmphiBIO, a global database for amphibian ecological traits. Scientific Data, 2017, 4, 170123.	2.4	188
29	Estimating synchronous demographic changes across populations using <scp>hABC</scp> and its application for a herpetological community from northeastern Brazil. Molecular Ecology, 2017, 26, 4756-4771.	2.0	79
30	The signature of human pressure history on the biogeography of body mass in tetrapods. Global Ecology and Biogeography, 2017, 26, 1022-1034.	2.7	28
31	Global priorities for conservation across multiple dimensions of mammalian diversity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7641-7646.	3.3	213
32	Species Composition, Biogeography, and Conservation of the Caatinga Lizards. , 2017, , 151-180.		18
33	Geography of current and future global mammal extinction risk. PLoS ONE, 2017, 12, e0186934.	1.1	34
34	Disentangling the Role of Climate, Topography and Vegetation in Species Richness Gradients. PLoS ONE, 2016, 11, e0152468.	1.1	62
35	Species and functional diversity accumulate differently in mammals. Global Ecology and Biogeography, 2016, 25, 1119-1130.	2.7	103
36	Habitat use and coexistence in two closely related species of Herpsilochmus (Aves:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	4

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37	Global mammal beta diversity shows parallel assemblage structure in similar but isolated environments. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161028.	1.2	38
38	Life-History Patterns of Lizards of the World. American Naturalist, 2016, 187, 689-705.	1.0	58
39	Integrating dataâ€deficient species in analyses of evolutionary history loss. Ecology and Evolution, 2016, 6, 8502-8514.	0.8	20
40	Speciation with gene flow in whiptail lizards from a Neotropical xeric biome. Molecular Ecology, 2015, 24, 5957-5975.	2.0	44
41	Life history data of lizards of the world. Ecology, 2015, 96, 594-594.	1.5	8
42	Phylogenetic niche conservatism and the evolutionary basis of ecological speciation. Biological Reviews, 2015, 90, 1248-1262.	4.7	233
43	The importance of biotic interactions in species distribution models: a test of the Eltonian noise hypothesis using parrots. Journal of Biogeography, 2014, 41, 513-523.	1.4	114
44	Imputation of missing data in lifeâ€history trait datasets: which approach performs the best?. Methods in Ecology and Evolution, 2014, 5, 961-970.	2.2	258
45	Herpetofauna of protected areas in the Caatinga II: SerraÂda Capivara National Park, PiauÃ, Brazil. Check List, 2014, 10, 18.	0.1	25
46	Microhabitat Variation Explains Localâ€scale Distribution of Terrestrial Amazonian Lizards in RondÃ´nia, Western Brazil. Biotropica, 2013, 45, 245-252.	0.8	17
47	The conservation status of the worldâ€™s reptiles. Biological Conservation, 2013, 157, 372-385.	1.9	642
48	Niche conservatism and the potential for the crayfish <scp>P</scp>rocambarus clarkii to invade <scp>S</scp>outh <scp>A</scp>merica. Freshwater Biology, 2013, 58, 1379-1391.	1.2	40
49	Invasive potential of the coral Tubastraea coccinea in the southwest Atlantic. Marine Ecology - Progress Series, 2013, 480, 73-81.	0.9	47
50	Reproduction, Body Size, and Diet of Polychrus acutirostris (Squamata: Polychrotidae) in Two Contrasting Environments in Brazil. Journal of Herpetology, 2012, 46, 2-8.	0.2	27
51	Climatic stability in the Brazilian Cerrado: implications for biogeographical connections of South American savannas, species richness and conservation in a biodiversity hotspot. Journal of Biogeography, 2012, 39, 1695-1706.	1.4	200
52	Revisiting the historical distribution of Seasonally Dry Tropical Forests: new insights based on palaeodistribution modelling and palynological evidencegeb. Global Ecology and Biogeography, 2011, 20, 272-288.	2.7	250
53	Vicariance and endemism in a Neotropical savanna hotspot: distribution patterns of Cerrado squamate reptiles. Journal of Biogeography, 2011, 38, 1907-1922.	1.4	105
54	Sampling bias and the use of ecological niche modeling in conservation planning: a field evaluation in a biodiversity hotspot. Biodiversity and Conservation, 2010, 19, 883-899.	1.2	183

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55	Biogeography of the Amazon molly: ecological niche and range limits of an asexual hybrid species. Global Ecology and Biogeography, 2010, 19, 442-451.	2.7	18
56	Predator size, prey size, and dietary niche breadth relationships in marine predators. Ecology, 2009, 90, 2014-2019.	1.5	89
57	Optimal foraging constrains macroecological patterns: body size and dietary niche breadth in lizards. Global Ecology and Biogeography, 2008, 17, 670-677.	2.7	67
58	Detecting the influence of climatic variables on species distributions: a test using GIS niche-based models along a steep longitudinal environmental gradient. Journal of Biogeography, 2008, 35, 637-646.	1.4	63
59	Can lizard richness be driven by termite diversity? Insights from the Brazilian Cerrado. Canadian Journal of Zoology, 2008, 86, 1-9.	0.4	19
60	Niche Expansion and the Niche Variation Hypothesis: Does the Degree of Individual Variation Increase in Depauperate Assemblages?. American Naturalist, 2008, 172, 868-877.	1.0	75
61	Gastrointestinal Helminths from Six Species of Frogs and Three Species of Lizards, Sympatric in ParÃ¡ State, Brazil. Comparative Parasitology, 2007, 74, 327-342.	0.0	51
62	Squamate richness in the Brazilian Cerrado and its environmentalâ€“climatic associations. Diversity and Distributions, 2007, 13, 714-724.	1.9	69
63	At the Water's Edge: Ecology of Semiaquatic Teiids in Brazilian Amazon. Journal of Herpetology, 2006, 40, 221-229.	0.2	18
64	SEXUAL DIMORPHISM, FEMALE FERTILITY, AND DIET OF PIPA ARRABALI (ANURA, PIPIDAE) IN SERRA DO CACHIMBO, PARÃ, BRAZIL. South American Journal of Herpetology, 2006, 1, 20-24.	0.5	5
65	ECOLOGY OF AN AMAZONIAN SAVANNA LIZARD ASSEMBLAGE IN MONTE ALEGRE, PARÃ•STATE, BRAZIL. South American Journal of Herpetology, 2006, 1, 61-71.	0.5	24
66	Lizards and termites revisited. Austral Ecology, 2006, 31, 417-424.	0.7	19
67	Comparative analysis of the sperm ultrastructure of three species of Phyllomedusa (Anura, Hylidae). Acta Zoologica, 2005, 85, 257-262.	0.6	11
68	Ecological aspects of the casque-headed frog Aparasphenodon brunoi (Anura, Hylidae) in a Restinga habitat in southeastern Brazil. Phyllomedusa, 2004, 3, 51.	0.2	14
69	An ultrastructural comparative study of the sperm of Hyla pseudopseudis, Scinax rostratus, and S. squalirostris (Amphibia: Anura: Hylidae). Zoomorphology, 2004, 123, 191-197.	0.4	15
70	Spermatozoa of Pseudinae (Amphibia, Anura, Hylidae), with a test of the hypothesis that sperm ultrastructure correlates with reproductive modes in anurans. Journal of Morphology, 2004, 261, 196-205.	0.6	28
71	A CRITICALLY ENDANGERED NEW SPECIES OF CNEMIDOPHORUS (SQUAMATA, TEIIDAE) FROM A CERRADO ENCLAVE IN SOUTHWESTERN AMAZONIA, BRAZIL. Herpetologica, 2003, 59, 76-88.	0.2	29
72	Snake diets and the deep history hypothesis. Biological Journal of the Linnean Society, 0, 101, 476-486.	0.7	40