

Tiago P Carvalho

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

4,786
citations

136950

32
h-index

110387

64
g-index

105
all docs

105
docs citations

105
times ranked

5931
citing authors

#	ARTICLE	IF	CITATIONS
1	Geographical isolation versus dispersal: Relictual alpine grasshoppers support a model of interglacial diversification with limited hybridization. <i>Molecular Ecology</i> , 2022, 31, 296-312.	3.9	14
2	Drainage rearrangements and in situ diversification of an endemic freshwater fish genus from north-eastern Brazilian rivers. <i>Freshwater Biology</i> , 2022, 67, 759-773.	2.4	7
3	Phylogenetic relationships and description of two new species of <i>Diapoma</i> (Characidae: Stevardiinae) from the La Plata River basin. <i>Neotropical Ichthyology</i> , 2022, 20, .	1.0	3
4	Phylogeny, species delimitation and ecological and morphological diversity of <i>Characithecium</i> (Monogenoidea: Dactylogyridae). <i>Parasitology</i> , 2022, , 1-17.	1.5	1
5	Hybrid enrichment of adaptive variation revealed by genotype-environment associations in montane sedges. <i>Molecular Ecology</i> , 2022, 31, 3722-3737.	3.9	7
6	Genomic insights into the origin of trans-Mediterranean disjunct distributions. <i>Journal of Biogeography</i> , 2021, 48, 440-452.	3.0	6
7	New Ecuadorian records of the eyeless banjo catfish <i>Micromyzon akamai</i> (Siluriformes: Aspredinidae) expand the species range and reveal intraspecific morphological variation. <i>Journal of Fish Biology</i> , 2021, 98, 1186-1191.	1.6	3
8	Twelve years of soil preservation and rehabilitation on the Rio do Peixe watershed: promoting conservation agriculture. <i>Land Degradation and Development</i> , 2021, 32, 3431-3442.	3.9	0
9	Differences in Quaternary co-divergence reveals community-wide diversification in the mountains of southwest China varied among species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202567.	2.6	20
10	Evidence on the paleodrainage connectivity during Pleistocene: Phylogeography of a hypoptopomatine endemic to southeastern Brazilian coastal drainages. <i>Neotropical Ichthyology</i> , 2021, 19, .	1.0	3
11	By Animal, Water, or Wind: Can Dispersal Mode Predict Genetic Connectivity in Riverine Plant Species?. <i>Frontiers in Plant Science</i> , 2021, 12, 626405.	3.6	16
12	Using gradient Forest to predict climate response and adaptation in Cork oak. <i>Journal of Evolutionary Biology</i> , 2021, 34, 910-923.	1.7	25
13	Incorporating the speciation process into species delimitation. <i>PLoS Computational Biology</i> , 2021, 17, e1008924.	3.2	53
14	Seascape Genetics of the Atlantic Spotted Dolphin (<i>Stenella frontalis</i>) Based on Mitochondrial DNA. <i>Journal of Heredity</i> , 2021, 112, 646-662.	2.4	2
15	Testing which axes of species differentiation underlie covariance of phylogeographic similarity among montane sedge species. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 349-364.	2.3	8
16	There Is No "Rule of Thumb": Genomic Filter Settings for a Small Plant Population to Obtain Unbiased Gene Flow Estimates. <i>Frontiers in Plant Science</i> , 2021, 12, 677009.	3.6	5
17	Functional connectivity in sympatric spiny rats reflects different dimensions of Amazonian forest-association. <i>Journal of Biogeography</i> , 2021, 48, 3196-3209.	3.0	8
18	Museum epigenomics: Characterizing cytosine methylation in historic museum specimens. <i>Molecular Ecology Resources</i> , 2020, 20, 1161-1170.	4.8	24

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19	Paraphyletic species no more – genomic data resolve a Pleistocene radiation and validate morphological species of the <i>Melanoplus scudderi</i> complex (Insecta: Orthoptera). <i>Systematic Entomology</i> , 2020, 45, 594-605.	3.9	28
20	Dispersal barriers and opportunities drive multiple levels of phylogeographic concordance in the Southern Alps of New Zealand. <i>Molecular Ecology</i> , 2020, 29, 4665-4679.	3.9	10
21	Incorporating interspecific interactions into phylogeographic models: A case study with Californian oaks. <i>Molecular Ecology</i> , 2020, 29, 4510-4524.	3.9	21
22	Riverscape properties contribute to the origin and structure of a hybrid zone in a Neotropical freshwater fish. <i>Journal of Evolutionary Biology</i> , 2020, 33, 1530-1542.	1.7	9
23	A New Miniature Species of <i>Acanthobunocephalus</i> (Siluriformes: Aspredinidae) from the Lower Purus River Basin, Amazon Basin, Brazil. <i>Copeia</i> , 2020, 108, 347.	1.3	2
24	Socially Parasitic Ants Evolve a Mosaic of Host-Matching and Parasitic Morphological Traits. <i>Current Biology</i> , 2020, 30, 3639-3646.e4.	3.9	17
25	Species delimitation in a range-restricted group of cascudinhos (Loricariidae: <i>Epaenionotus</i>) supports morphological and genetic differentiation across coastal rivers of southern Brazil. <i>Journal of Fish Biology</i> , 2020, 97, 1748-1769.	1.6	5
26	Occupancy spectrum distribution: application for coalescence simulation with generic mergers. <i>Bioinformatics</i> , 2020, 36, 3279-3280.	4.1	1
27	Decimated little brown bats show potential for adaptive change. <i>Scientific Reports</i> , 2020, 10, 3023.	3.3	28
28	Taxonomical study of <i>Trichomycterus</i> (Siluriformes: Trichomycteridae) from the Ribeira de Iguape River basin reveals a new species recorded in the early 20th century. <i>Journal of Fish Biology</i> , 2020, 96, 886-904.	1.6	15
29	Common barriers, but temporal dissonance: Genomic tests suggest ecological and paleo-landscape sieves structure a coastal riverine fish community. <i>Molecular Ecology</i> , 2020, 29, 783-796.	3.9	27
30	Using community phylogenetics to assess phylogenetic structure in the Fitzcarrald region of Western Amazonia. <i>Neotropical Ichthyology</i> , 2020, 18, .	1.0	6
31	A new species of <i>Pseudobunocephalus</i> Friel, 2008 (Siluriformes: Aspredinidae) from the lower Tocantins and Mearim river drainages, North and Northeast of Brazil. <i>Zootaxa</i> , 2019, 4586, 109.	0.5	3
32	Testing main Amazonian rivers as barriers across time and space within widespread taxa. <i>Journal of Biogeography</i> , 2019, 46, 2444-2456.	3.0	30
33	Phylogenetic relationships and historical biogeography of <i>Oligosarcus</i> (Teleostei: Characidae): Examining riverine landscape evolution in southeastern South America. <i>Molecular Phylogenetics and Evolution</i> , 2019, 140, 106604.	2.7	17
34	Genomic evidence of survival near ice sheet margins for some, but not all, North American trees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8431-8436.	7.1	46
35	Comparative landscape genetics of two endemic torrent salamander species, <i>Rhyacotriton kezeri</i> and <i>R. variegatus</i> : implications for forest management and species conservation. <i>Conservation Genetics</i> , 2019, 20, 801-815.	1.5	16
36	Evolving in isolation: Genetic tests reject recent connections of Amazonian savannas with the central Cerrado. <i>Journal of Biogeography</i> , 2019, 46, 196-211.	3.0	18

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37	Evolution of the latitudinal diversity gradient in the hyperdiverse ant genus <i>Pheidole</i> . <i>Global Ecology and Biogeography</i> , 2019, 28, 456-470.	5.8	29
38	Geographic distributions, phenotypes, and phylogenetic relationships of <i>Phalloceros</i> (Cyprinodontiformes: Poeciliidae): Insights about diversification among sympatric species pools. <i>Molecular Phylogenetics and Evolution</i> , 2019, 132, 265-274.	2.7	20
39	Embracing heterogeneity: coalescing the Tree of Life and the future of phylogenomics. <i>PeerJ</i> , 2019, 7, e6399.	2.0	111
40	Trait-Dependent Biogeography: (Re)Integrating Biology into Probabilistic Historical Biogeographical Models. <i>Trends in Ecology and Evolution</i> , 2018, 33, 390-398.	8.7	39
41	Molecular phylogeny of Banjo catfishes (Ostariophysi: Siluriformes: Aspredinidae): A continental radiation in South American freshwaters. <i>Molecular Phylogenetics and Evolution</i> , 2018, 127, 459-467.	2.7	10
42	A matter of phylogenetic scale: Distinguishing incomplete lineage sorting from lateral gene transfer as the cause of gene tree discord in recent versus deep diversification histories. <i>American Journal of Botany</i> , 2018, 105, 376-384.	1.7	45
43	Anatomy and homology of the accessory electric organs of the toothless knifefishes (Rhamphichthyoidea: Gymnotiformes). <i>Journal of Fish Biology</i> , 2018, 93, 1059-1068.	1.6	6
44	Terrestrial species adapted to sea dispersal: Differences in propagule dispersal of two Caribbean mangroves. <i>Molecular Ecology</i> , 2018, 27, 4612-4626.	3.9	25
45	Flowing into the unknown: inferred paleodrainages for studying the ichthyofauna of Brazilian coastal rivers. <i>Neotropical Ichthyology</i> , 2018, 16, .	1.0	36
46	Microevolutionary processes impact macroevolutionary patterns. <i>BMC Evolutionary Biology</i> , 2018, 18, 123.	3.2	34
47	First record of <i>Phallotorynus victoriae</i> Oliveros, 1983 (Cyprinodontiformes, Poeciliidae) for Uruguay river basin and Rio Grande do Sul, southern Brazil. <i>Check List</i> , 2018, 14, 159-162.	0.4	1
48	Multispecies coalescent delimits structure, not species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1607-1612.	7.1	640
49	Description of a New Blind and Rare Species of <i>Xyliphius</i> (Siluriformes: Aspredinidae) from the Amazon Basin Using High-Resolution Computed Tomography. <i>Copeia</i> , 2017, 105, 14-28.	1.3	9
50	Linking micro- and macroevolutionary perspectives to evaluate the role of Quaternary sea level oscillations in island diversification. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 2901-2917.	2.3	25
51	A new species of <i>Hoplomyzon</i> (Siluriformes: Aspredinidae) from Maracaibo Basin, Venezuela: osteological description using high-resolution computed microtomography of a miniature species. <i>Neotropical Ichthyology</i> , 2017, 15, .	1.0	4
52	Unforeseen Consequences of Excluding Missing Data from Next-Generation Sequences: Simulation Study of RAD Sequences. <i>Systematic Biology</i> , 2016, 65, 357-365.	5.6	267
53	Identifying targets of selection in mosaic genomes with machine learning: applications in <i>A. nopheles gambiae</i> for detecting sites within locally adapted chromosomal inversions. <i>Molecular Ecology</i> , 2016, 25, 2226-2243.	3.9	7
54	The architecture of river networks can drive the evolutionary dynamics of aquatic populations. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 731-739.	2.3	77

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55	Quantifying the similarity between genes and geography across Alaska's alpine small mammals. <i>Journal of Biogeography</i> , 2016, 43, 1464-1476.	3.0	33
56	Glacial refugia, recolonization patterns and diversification forces in Alpine endemic <i>Megabunus</i> harvestmen. <i>Molecular Ecology</i> , 2016, 25, 2904-2919.	3.9	34
57	A new species of the blind and miniature genus <i>Micromyzon</i> (Siluriformes: Aspredinidae) from the Orinoco River: describing catfish diversity using high-resolution computed tomography. <i>Proceedings of the Academy of Natural Sciences of Philadelphia</i> , 2016, 165, 37-53.	0.5	9
58	Tests of species-specific models reveal the importance of drought in postglacial range shifts of a Mediterranean climate tree: insights from integrative distributional, demographic and coalescent modelling and ABC model selection. <i>Molecular Ecology</i> , 2016, 25, 4889-4906.	3.9	43
59	A new species of <i>Amaralia</i> Fowler (Siluriformes: Aspredinidae) from the Paraná-Paraguay River Basin. <i>Zootaxa</i> , 2016, 4088, 531-46.	0.5	10
60	Toward a paradigm shift in comparative phylogeography driven by trait-based hypotheses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8018-8024.	7.1	170
61	The Species versus Subspecies Conundrum: Quantitative Delimitation from Integrating Multiple Data Types within a Single Bayesian Approach in Hercules Beetles. <i>Systematic Biology</i> , 2016, 65, 685-699.	5.6	68
62	Species-specific responses to island connectivity cycles: refined models for testing phylogeographic concordance across a Mediterranean Pleistocene aggregate island complex. <i>Molecular Ecology</i> , 2015, 24, 4252-4268.	3.9	67
63	Testing the effect of palaeodrainages versus habitat stability on genetic divergence in riverine systems: study of a Neotropical fish of the Brazilian coastal Atlantic Forest. <i>Journal of Biogeography</i> , 2015, 42, 2389-2401.	3.0	90
64	Two new species of the banjo catfish <i>Bunocephalus</i> Kner (Siluriformes: Aspredinidae) from the upper and middle rio São Francisco basins, Brazil. <i>Neotropical Ichthyology</i> , 2015, 13, 499-512.	1.0	9
65	A New Species of <i>Rhamphichthys</i> (Gymnotiformes: Rhamphichthyidae) from the Amazon Basin. <i>Copeia</i> , 2015, 103, 34-41.	1.3	8
66	Habitat corridors facilitate genetic resilience irrespective of species dispersal abilities or population sizes. <i>Evolutionary Applications</i> , 2015, 8, 454-463.	3.1	62
67	Genomic tests of the species-pump hypothesis: Recent island connectivity cycles drive population divergence but not speciation in Caribbean crickets across the Virgin Islands. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1501-1517.	2.3	88
68	Global phylogenetic structure of the hyperdiverse ant genus <i>Pheidole</i> reveals the repeated evolution of macroecological patterns. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141416.	2.6	55
69	Applying species-tree analyses to deep phylogenetic histories: Challenges and potential suggested from a survey of empirical phylogenetic studies. <i>Molecular Phylogenetics and Evolution</i> , 2015, 83, 191-199.	2.7	41
70	Do estimated and actual species phylogenies match? Evaluation of East African cichlid radiations. <i>Molecular Phylogenetics and Evolution</i> , 2014, 78, 56-65.	2.7	9
71	Phylogenetic structure of vertebrate communities across the Australian arid zone. <i>Journal of Biogeography</i> , 2013, 40, 1059-1070.	3.0	28
72	Ecological selection as the cause and sexual differentiation as the consequence of species divergence?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122236.	2.6	24

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91	Gymnotocinclus anosteos, a new uniquely-plated genus and species of loricatorid catfish (Teleostei: Tj ETQq1 1 0.784314 rgBT /Overlock 329-338.	1.0	16
92	Delimiting Species without Monophyletic Gene Trees. Systematic Biology, 2007, 56, 887-895.	5.6	657
93	Quantitative insights into stochastic monoallelic expression of cytokine genes. Immunology and Cell Biology, 2007, 85, 315-322.	2.3	18
94	Distribution modelling and statistical phylogeography: an integrative framework for generating and testing alternative biogeographical hypotheses. Journal of Biogeography, 2007, 34, 1833-1845.	3.0	245
95	ESTIMATING A GEOGRAPHICALLY EXPLICIT MODEL OF POPULATION DIVERGENCE. Evolution; International Journal of Organic Evolution, 2007, 61, 477-493.	2.3	92
96	Coupling Genetic and Ecological-Niche Models to Examine How Past Population Distributions Contribute to Divergence. Current Biology, 2007, 17, 940-946.	3.9	148
97	Two new species of Hyphessobrycon (Teleostei: Characidae) from upper rio Tapaj�s basin on Chapada dos Parecis, central Brazil. Neotropical Ichthyology, 2006, 4, 301-308.	1.0	35
98	EVIDENCE FOR OVERDOMINANT SELECTION MAINTAINING X-LINKED FITNESS VARIATION IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2006, 60, 1445-1453.	2.3	6
99	Nonantagonistic interactions between the sexes revealed by the ecological consequences of reproductive traits. Journal of Evolutionary Biology, 2005, 18, 156-161.	1.7	23
100	Importance of genetic drift during Pleistocene divergence as revealed by analyses of genomic variation. Molecular Ecology, 2005, 14, 4023-4032.	3.9	103
101	A new characid fish, Hyphessobryconhexastichos (Characiformes: Characidae) from Chapada dos Parecis, Mato Grosso, Brazil. Neotropical Ichthyology, 2005, 3, 439-443.	1.0	14
102	Exploring the consequences of postmating�prezygotic interactions between the sexes. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S357-9.	2.6	24