Thiago F Rangel

List of Publications by Year
in descending order

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115 papers	8,747 citations	57631 44 h-index	46693 89 g-index
124 all docs	124 docs citations	124 times ranked	10637 citing authors

#	Article	IF	Citations
1	Exceptions to the rule: Relative roles of time, diversification rates and regional energy in shaping the inverse latitudinal diversity gradient. Global Ecology and Biogeography, 2022, 31, 1794-1809.	2.7	7
2	Ecological niche models predict the potential distribution of the exotic rotifer Kellicottia bostoniensis (Rousselet, 1908) across the globe. Hydrobiologia, 2021, 848, 299-309.	1.0	16
3	High uncertainty in the effects of data characteristics on the performance of species distribution models. Ecological Indicators, 2021, 121, 107147.	2.6	26
4	A global analysis of the susceptibility of river basins to invasion of a freshwater zooplankton () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.2	3
5	Quantitative genetics of extreme insular dwarfing: The case of red deer on Jersey. Journal of Biogeography, 2021, 48, 1720-1730.	1.4	6
6	Spatial variation in direct and indirect effects of climate and productivity on species richness of terrestrial tetrapods. Global Ecology and Biogeography, 2021, 30, 1899-1908.	2.7	17
7	gen3sis: A general engine for eco-evolutionary simulations of the processes that shape Earthâ€™s biodiversity. PLoS Biology, 2021, 19, e3001340.	2.6	54
8	The conservation of migratory fishes in the second largest river basin of South America depends on the creation of new protected areas. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 2515-2532.	0.9	12
9	Using maps of biogeographical ignorance to reveal the uncertainty in distributional data hidden in species distribution models. Ecography, 2021, 44, 1743-1755.	2.1	20
10	Area, isolation and climate explain the diversity of mammals on islands worldwide. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211879.	1.2	4
11	Canopy height explains species richness in the largest clade of Neotropical lianas. Global Ecology and Biogeography, 2020, 29, 26-37.	2.7	17
12	A global test of the subsidized island biogeography hypothesis. Global Ecology and Biogeography, 2020, 29, 320-330.	2.7	10
13	Mapping the observed and modelled intracontinental distribution of non-marine ostracods from South America. Hydrobiologia, 2020, 847, 1663-1687.	1.0	12
14	Past Extinctions of Homo Species Coincided with Increased Vulnerability to Climatic Change. One Earth, 2020, 3, 480-490.	3.6	30
15	Current climate, but also longâ€term climate changes and human impacts, determine the geographic distribution of European mammal diversity. Global Ecology and Biogeography, 2020, 29, 1758-1769.	2.7	21
16	A Major Change in Rate of Climate Niche Envelope Evolution during Hominid History. IScience, 2020, 23, 101693.	1.9	14
17	Effects of neutrality and productivity on mammal richness and evolutionary history in Australia. Ecography, 2019, 42, 478-487.	2.1	9
18	Quantitative genetics of body size evolution on islands: an individual-based simulation approach. Biology Letters, 2019, 15, 20190481.	1.0	12

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19	Environmental factors explain the spatial mismatches between species richness and phylogenetic diversity of terrestrial mammals. Global Ecology and Biogeography, 2019, 28, 1855-1865.	2.7	21
20	How likely are adaptive responses to mitigate the threats of climate change for amphibians globally?. Frontiers of Biogeography, 2019, 11, .	0.8	3
21	Metaâ€analyzing the likely crossâ€species responses to climate change. Ecology and Evolution, 2019, 9, 11136-11144.	0.8	10
22	Genetic Population Structure and Allele Surfing During Range Expansion in Dynamic Habitats. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20180179.	0.3	6
23	A macroecological approach to evolutionary rescue and adaptation to climate change. Ecography, 2019, 42, 1124-1141.	2.1	36
24	Climate change will decrease the range size of snake species under negligible protection in the Brazilian Atlantic Forest hotspot. Scientific Reports, 2019, 9, 8523.	1.6	38
25	Drivers of geographical patterns of North American language diversity. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190242.	1.2	18
26	Biogeographical history constrains climatic niche diversification without adaptive forces driving evolution. Journal of Biogeography, 2019, 46, 1020-1028.	1.4	16
27	Linking species functional traits of terrestrial vertebrates and environmental filters: A case study in temperate mountain systems. PLoS ONE, 2019, 14, e0211760.	1.1	13
28	Climate change will decrease the range of a keystone fish species in La Plata River Basin, South America. Hydrobiologia, 2019, 836, 1-19.	1.0	19
29	PALEO-PGEM v1.0: a statistical emulator of Plioceneâ€“Pleistocene climate. Geoscientific Model Development, 2019, 12, 5137-5155.	1.3	25
30	Coupling environment and physiology to predict effects of climate change on the taxonomic and functional diversity of fish assemblages in the Murray-Darling Basin, Australia. PLoS ONE, 2019, 14, e0225128.	1.1	17
31	The Latitudinal Diversity Gradient: Novel Understanding through Mechanistic Eco-evolutionary Models. Trends in Ecology and Evolution, 2019, 34, 211-223.	4.2	151
32	A parsimonious view of the parsimony principle in ecology and evolution. Ecography, 2019, 42, 968-976.	2.1	39
33	Neutral Community Dynamics and the Evolution of Species Interactions. American Naturalist, 2018, 191, 421-434.	1.0	12
34	Mapping knowledge gaps in marine diversity reveals a latitudinal gradient of missing species richness. Nature Communications, 2018, 9, 4713.	5.8	86
35	Modeling the ecology and evolution of biodiversity: Biogeographical cradles, museums, and graves. Science, 2018, 361, .	6.0	260
36	Global patterns of mammalian coâ€occurrence: phylogenetic and body size structure within species ranges. Journal of Biogeography, 2017, 44, 136-146.	1.4	27

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37	Geographical patterns of phylogenetic betaâ€diversity components in terrestrial mammals. Global Ecology and Biogeography, 2017, 26, 573-583.	2.7	39
38	Processâ€based modelling shows how climate and demography shape language diversity. Global Ecology and Biogeography, 2017, 26, 584-591.	2.7	22
39	Neutral biogeography of phylogenetically structured interaction networks. Ecography, 2017, 40, 1467-1474.	2.1	8
40	Fossil record improves biodiversity risk assessment under future climate change scenarios. Diversity and Distributions, 2017, 23, 922-933.	1.9	25
41	Stacked species distribution and macroecological models provide incongruent predictions of species richness for Drosophilidae in the Brazilian savanna. Insect Conservation and Diversity, 2017, 10, 415-424.	1.4	13
42	Temporal degradation of data limits biodiversity research. Ecology and Evolution, 2017, 7, 6863-6870.	0.8	45
43	Two sides of a coin: Effects of climate change on the native and non-native distribution of Colossoma macropomum in South America. PLoS ONE, 2017, 12, e0179684.	1.1	19
44	Drivers of academic performance in a Brazilian university under a government-restructuring program. Journal of Informetrics, 2016, 10, 151-161.	1.4	15
45	Increased tolerance to humans among disturbed wildlife. Nature Communications, 2015, 6, 8877.	5.8	235
46	Phylogenetic uncertainty revisited: Implications for ecological analyses. Evolution; International Journal of Organic Evolution, 2015, 69, 1301-1312.	1.1	98
47	Community phylogenetics at the biogeographical scale: cold tolerance, niche conservatism and the structure of <scp>N</scp>orth <scp>A</scp>merican forests. Journal of Biogeography, 2014, 41, 23-38.	1.4	126
48	Evaluating, partitioning, and mapping the spatial autocorrelation component in ecological niche modeling: a new approach based on environmentally equidistant records. Ecography, 2014, 37, 637-647.	2.1	64
49	Uncertainty associated with survey design in Species Distribution Models. Diversity and Distributions, 2014, 20, 1258-1269.	1.9	91
50	Toward a Mechanistic Understanding of Linguistic Diversity. BioScience, 2013, 63, 524-535.	2.2	62
51	Spatially explicit analyses highlight idiosyncrasies: species extinctions and the loss of evolutionary history. Diversity and Distributions, 2013, 19, 1543-1552.	1.9	8
52	A new eigenfunction spatial analysis describing population genetic structure. Genetica, 2013, 141, 479-489.	0.5	6
53	Drawbacks to palaeodistribution modelling: the case of South American seasonally dry forests. Journal of Biogeography, 2013, 40, 345-358.	1.4	116
54	Phylogenetic fields of species: cross-species patterns of phylogenetic structure and geographical coexistence. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122570.	1.2	52

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55	Nonstationary effects of productivity, seasonality, and historical climate changes on global amphibian diversity. Ecography, 2013, 36, 104-113.	2.1	59
56	Biogeographical Models. , 2013, , 565-575.		0
57	SUNPLIN: Simulation with Uncertainty for Phylogenetic Investigations. BMC Bioinformatics, 2013, 14, 324.	1.2	16
58	Mantel test in population genetics. Genetics and Molecular Biology, 2013, 36, 475-485.	0.6	346
59	Effects of global climate changes on geographical distribution patterns of economically important plant species in cerrado. Revista Arvore, 2013, 37, 267-274.	0.5	17
60	Labeling Ecological Niche Models. Natureza A Conservacao, 2012, 10, 119-126.	2.5	96
61	Amazonian Extinction Debts. Science, 2012, 337, 162-163.	6.0	13
62	A coupled phylogeographical and species distribution modelling approach recovers the demographical history of a <scp>N</scp>eotropical seasonally dry forest tree species. Molecular Ecology, 2012, 21, 5845-5863.	2.0	94
63	Conserving the Brazilian semiarid (Caatinga) biome under climate change. Biodiversity and Conservation, 2012, 21, 2913-2926.	1.2	70
64	Extreme deconstruction supports niche conservatism driving New World bird diversity. Acta Oecologica, 2012, 43, 16-21.	0.5	4
65	Equilibrium of Global Amphibian Species Distributions with Climate. PLoS ONE, 2012, 7, e34420.	1.1	52
66	workshop summary: The application of species distribution models in the megadiverse Neotropics poses a renewed set of research questions. Frontiers of Biogeography, 2012, 4, .	0.8	0
67	A comparison of metrics for estimating phylogenetic signal under alternative evolutionary models. Genetics and Molecular Biology, 2012, 35, 673-679.	0.6	47
68	Spatial autocorrelation analysis allows disentangling the balance between neutral and niche processes in metacommunities. Oikos, 2012, 121, 201-210.	1.2	89
69	EXPLORING PATTERNS OF INTERSPECIFIC VARIATION IN QUANTITATIVE TRAITS USING SEQUENTIAL PHYLOGENETIC EIGENVECTOR REGRESSIONS. Evolution; International Journal of Organic Evolution, 2012, 66, 1079-1090.	1.1	70
70	On the selection of phylogenetic eigenvectors for ecological analyses. Ecography, 2012, 35, 239-249.	2.1	107
71	Geographic shifts in climatically suitable areas and loss of genetic variability in Dipteryx alata (â€œBaruâ€) Tj ETQq1 1 0.784314 rgBT /O	0.3	5
72	Areas of climate stability of species ranges in the Brazilian Cerrado: disentangling uncertainties through time. Natureza A Conservacao, 2012, 10, 152-159.	2.5	93

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73	Ice age climate, evolutionary constraints and diversity patterns of European dung beetles. Ecology Letters, 2011, 14, 741-748.	3.0	183
74	Eigenvector estimation of phylogenetic and functional diversity. Functional Ecology, 2011, 25, 735-744.	1.7	28
75	Ancient Maya Agroforestry Echoing Through Spatial Relationships in the Extant Forest of NW Belize. Biotropica, 2011, 43, 141-148.	0.8	20
76	Geographic shifts in climatically suitable areas and loss of genetic variability under climate change in a neotropical tree. BMC Proceedings, 2011, 5, .	1.8	0
77	Testing the Waterâ€“Energy Theory on American Palms (Arecaceae) Using Geographically Weighted Regression. PLoS ONE, 2011, 6, e27027.	1.1	34
78	SAM: a comprehensive application for Spatial Analysis in Macroecology. Ecography, 2010, 33, 46-50.	2.1	1,025
79	Ensemble forecasting shifts in climatically suitable areas for Tropidacris cristata (Orthoptera:) Tj ETQq1 1 0.784314 rgBT /Over	1.4	51
80	A stochastic, evolutionary model for range shifts and richness on tropical elevational gradients under Quaternary glacial cycles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3695-3707.	1.8	77
81	Assessment of assemblageâ€wide temporal niche segregation using null models. Methods in Ecology and Evolution, 2010, 1, 311-318.	2.2	61
82	MudanÃ§as ClimÃ¡ticas e a Biodiversidade dos Biomas Brasileiros: Passado, Presente e Futuro. Natureza A Conservacao, 2010, 08, 194-196.	2.5	15
83	Hutchinson's duality: The once and future niche. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19651-19658.	3.3	534
84	Latitudinal gradients in species richness for South American Mytilidae and Ostreidae: can alternative hypotheses be evaluated by a correlative approach?. Marine Biology, 2009, 156, 1917-1928.	0.7	6
85	Environmental drivers of betaâ€diversity patterns in Newâ€World birds and mammals. Ecography, 2009, 32, 226-236.	2.1	177
86	Coefficient shifts in geographical ecology: an empirical evaluation of spatial and nonâ€spatial regression. Ecography, 2009, 32, 193-204.	2.1	231
87	Partitioning and mapping uncertainties in ensembles of forecasts of species turnover under climate change. Ecography, 2009, 32, 897-906.	2.1	494
88	Patterns and causes of species richness: a general simulation model for macroecology. Ecology Letters, 2009, 12, 873-886.	3.0	286
89	Richness patterns, species distributions and the principle of extreme deconstruction. Global Ecology and Biogeography, 2009, 18, 123-136.	2.7	49
90	Conservation biogeography of mammals in the Cerrado biome under the unified theory of macroecology. Acta Oecologica, 2009, 35, 630-638.	0.5	10

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91	Agriculture, habitat loss and spatial patterns of human occupation in a biodiversity hotspot. Scientia Agricola, 2009, 66, 764-771.	0.6	23
92	Allometric and ontogenetic patterns related to feeding of a neotropical fish, Satanoperca pappaterra (Perciformes, Cichlidae). Ecology of Freshwater Fish, 2008, 17, 155-164.	0.7	14
93	Biodiversity surrogate groups and conservation priority areas: birds of the Brazilian Cerrado. Diversity and Distributions, 2008, 14, 78-86.	1.9	25
94	Model selection and information theory in geographical ecology. Global Ecology and Biogeography, 2008, 17, 479-488.	2.7	183
95	Conservation planning: a macroecological approach using the endemic terrestrial vertebrates of the Brazilian Cerrado. Oryx, 2008, 42, 567.	0.5	25
96	Autoregressive modelling of species richness in the Brazilian Cerrado. Brazilian Journal of Biology, 2008, 68, 233-240.	0.4	8
97	Distribution of megabenthic gastropods along environmental gradients: the mid-domain effect and beyond. Marine Ecology - Progress Series, 2008, 367, 193-202.	0.9	11
98	Human development and biodiversity conservation in Brazilian Cerrado. Applied Geography, 2007, 27, 14-27.	1.7	33
99	Predicting continental-scale patterns of bird species richness with spatially explicit models. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 165-174.	1.2	271
100	Species Richness and Evolutionary Niche Dynamics: A Spatial Patternâ€“Oriented Simulation Experiment. American Naturalist, 2007, 170, 602-616.	1.0	147
101	Macroevolutionary dynamics in environmental space and the latitudinal diversity gradient in New World birds. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 43-52.	1.2	43
102	Seeing the forest for the trees: partitioning ecological and phylogenetic components of Bergmann's rule in European Carnivora. Ecography, 2007, 30, 598-608.	2.1	14
103	Non-stationarity, diversity gradients and the metabolic theory of ecology. Global Ecology and Biogeography, 2007, 16, 820-822.	2.7	45
104	Conservation biogeography of anurans in Brazilian Cerrado. Biodiversity and Conservation, 2007, 16, 997-1008.	1.2	33
105	Anuran species richness, complementarity and conservation conflicts in Brazilian Cerrado. Acta Oecologica, 2006, 29, 9-15.	0.5	59
106	Challenging Wallacean and Linnean shortfalls: knowledge gradients and conservation planning in a biodiversity hotspot. Diversity and Distributions, 2006, 12, 475-482.	1.9	245
107	Towards an integrated computational tool for spatial analysis in macroecology and biogeography. Global Ecology and Biogeography, 2006, 15, 321-327.	2.7	540
108	Lomborg and the Litany of Biodiversity Crisis: What the Peerâ€Reviewed Literature Says. Conservation Biology, 2005, 19, 1301-1305.	2.4	72

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109	Neutral community dynamics, the mid-domain effect and spatial patterns in species richness. Ecology Letters, 2005, 8, 783-790.	3.0	53
110	Macroecological correlates and spatial patterns of anuran description dates in the Brazilian Cerrado. Global Ecology and Biogeography, 2005, 14, 469-477.	2.7	79
111	An evolutionary tolerance model explaining spatial patterns in species richness under environmental gradients and geometric constraints. Ecography, 2005, 28, 253-263.	2.1	58
112	Sensitivity of macroecological patterns of South American parrots to differences in data sources. Global Ecology and Biogeography, 2004, 13, 193-198.	2.7	18
113	A test of multiple hypotheses for the species richness gradient of South American owls. Oecologia, 2004, 140, 633-638.	0.9	32
114	Spatial patterns in species richness and the geometric constraint simulation model: a global analysis of mid-domain effect in Falconiformes. Acta Oecologica, 2003, 24, 203-207.	0.5	22
115	Null models and spatial patterns of species richness in South American birds of prey. Ecology Letters, 2002, 5, 47-55.	3.0	51