

Miguel A Rodriguez

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

4,343
citations

109137

35
h-index

118652

62
g-index

89
all docs

89
docs citations

89
times ranked

6208
citing authors

#	ARTICLE	IF	CITATIONS
1	Global distribution of earthworm diversity. <i>Science</i> , 2019, 366, 480-485.	6.0	248
2	Coefficient shifts in geographical ecology: an empirical evaluation of spatial and non-spatial regression. <i>Ecography</i> , 2009, 32, 193-204.	2.1	231
3	Energy and interspecific body size patterns of amphibian faunas in Europe and North America: anurans follow Bergmann's rule, urodeles its converse. <i>Global Ecology and Biogeography</i> , 2007, 16, 606-617.	2.7	189
4	Ice age climate, evolutionary constraints and diversity patterns of European dung beetles. <i>Ecology Letters</i> , 2011, 14, 741-748.	3.0	183
5	Broad-scale patterns of body size in squamate reptiles of Europe and North America. <i>Journal of Biogeography</i> , 2006, 33, 781-793.	1.4	174
6	Rapid micro-evolution and loss of chromosomal diversity in <i>Drosophila</i> in response to climate warming. <i>Evolutionary Ecology</i> , 1998, 12, 829-838.	0.5	157
7	Energy, water and large-scale patterns of reptile and amphibian species richness in Europe. <i>Acta Oecologica</i> , 2005, 28, 65-70.	0.5	152
8	A GLOBAL EVALUATION OF METABOLIC THEORY AS AN EXPLANATION FOR TERRESTRIAL SPECIES RICHNESS GRADIENTS. <i>Ecology</i> , 2007, 88, 1877-1888.	1.5	139
9	Bergmann's rule and the geography of mammal body size in the Western Hemisphere. <i>Global Ecology and Biogeography</i> , 2008, 17, 274-283.	2.7	133
10	Animal Versus Wind Dispersal and the Robustness of Tree Species to Deforestation. <i>Science</i> , 2008, 320, 1502-1504.	6.0	125
11	Global angiosperm family richness revisited: linking ecology and evolution to climate. <i>Journal of Biogeography</i> , 2011, 38, 1253-1266.	1.4	116
12	On the selection of phylogenetic eigenvectors for ecological analyses. <i>Ecography</i> , 2012, 35, 239-249.	2.1	107
13	Revisiting phylogenetic signal; strong or negligible impacts of polytomies and branch length information?. <i>BMC Evolutionary Biology</i> , 2017, 17, 53.	3.2	105
14	Food web complexity and higher-level ecosystem services. <i>Ecology Letters</i> , 2003, 6, 587-593.	3.0	100
15	The geographic distribution of mammal body size in Europe. <i>Global Ecology and Biogeography</i> , 2006, 15, 173-181.	2.7	100
16	Contemporary richness of holarctic trees and the historical pattern of glacial retreat. <i>Ecography</i> , 2007, 30, 173-182.	2.1	89
17	Identifying global zoogeographical regions: lessons from Wallace. <i>Journal of Biogeography</i> , 2013, 40, 2215-2225.	1.4	84
18	Diversity, function and stability in parasitoid communities. <i>Ecology Letters</i> , 2000, 3, 35-40.	3.0	77

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19	Towards a biogeographic regionalization of the European biota. <i>Journal of Biogeography</i> , 2010, 37, 2067-2076.	1.4	75
20	Climatic niche conservatism and the evolutionary dynamics in species range boundaries: global congruence across mammals and amphibians. <i>Journal of Biogeography</i> , 2011, 38, 2237-2247.	1.4	75
21	Geographic body size gradients in tropical regions: water deficit and anuran body size in the Brazilian Cerrado. <i>Ecography</i> , 2009, 32, 581-590.	2.1	74
22	Seeing the forest for the trees: partitioning ecological and phylogenetic components of Bergmann's rule in European Carnivora. <i>Ecography</i> , 2007, 30, 598-608.	2.1	72
23	Climate history, human impacts and global body size of Carnivora (Mammalia: Eutheria) at multiple evolutionary scales. <i>Journal of Biogeography</i> , 2009, 36, 2222-2236.	1.4	69
24	The contribution of contemporary climate to ectothermic and endothermic vertebrate distributions in a glacial refuge. <i>Global Ecology and Biogeography</i> , 2010, 19, 40-49.	2.7	63
25	Geography and major host evolutionary transitions shape the resource use of plant parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9840-9845.	3.3	61
26	Habitat patchiness and plant species richness. <i>Ecology Letters</i> , 2001, 4, 417-420.	3.0	59
27	Ecological and evolutionary components of body size: geographic variation of venomous snakes at the global scale. <i>Biological Journal of the Linnean Society</i> , 0, 98, 94-109.	0.7	51
28	Maximum levels of global phylogenetic diversity efficiently capture plant services for humankind. <i>Nature Ecology and Evolution</i> , 2021, 5, 583-588.	3.4	50
29	Richness patterns, species distributions and the principle of extreme deconstruction. <i>Global Ecology and Biogeography</i> , 2009, 18, 123-136.	2.7	49
30	METABOLIC THEORY AND DIVERSITY GRADIENTS: WHERE DO WE GO FROM HERE?. <i>Ecology</i> , 2007, 88, 1898-1902.	1.5	47
31	What Do Range Maps and Surveys Tell Us About Diversity Patterns?. <i>Folia Geobotanica</i> , 2008, 43, 345-355.	0.4	45
32	Cross-species and assemblage-based approaches to Bergmann's rule and the biogeography of body size in <i>Plethodon</i> salamanders of eastern North America. <i>Ecography</i> , 2010, 33, 362-368.	2.1	45
33	Species distribution modelling as a macroecological tool: a case study using New World amphibians. <i>Ecography</i> , 2012, 35, 539-548.	2.1	45
34	Structural bias in aggregated species-level variables driven by repeated species co-occurrences: a pervasive problem in community and assemblage data. <i>Journal of Biogeography</i> , 2017, 44, 1199-1211.	1.4	45
35	Resource partitioning of four sympatric bark beetles depending on swarming dates and tree species. <i>Forest Ecology and Management</i> , 1998, 109, 127-135.	1.4	43
36	Predicted impact of climate change on threatened terrestrial vertebrates in central Spain highlights differences between endotherms and ectotherms. <i>Animal Conservation</i> , 2010, 13, 363-373.	1.5	42

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37	Glaciations, deciduous forests, water availability and current geographical patterns in the diversity of European <i>Carabus</i> species. <i>Journal of Biogeography</i> , 2016, 43, 2343-2353.	1.4	40
38	The Imprint of Cenozoic Migrations and Evolutionary History on the Biogeographic Gradient of Body Size in New World Mammals. <i>American Naturalist</i> , 2012, 180, 246-256.	1.0	34
39	Plant competition and slug herbivory: Effects on the yield and biomass allocation pattern of <i>Poa annua</i> L. <i>Acta Oecologica</i> , 1998, 19, 37-46.	0.5	31
40	Does fragmentation increase extinction thresholds? A European-wide test with seven forest birds. <i>Global Ecology and Biogeography</i> , 2013, 22, 1282-1292.	2.7	31
41	Phylogeny and the prediction of tree functional diversity across novel continental settings. <i>Global Ecology and Biogeography</i> , 2017, 26, 553-562.	2.7	31
42	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. <i>Scientific Data</i> , 2021, 8, 136.	2.4	29
43	Illegal logging, landscape structure and the variation of tree species richness across North Andean forest remnants. <i>Forest Ecology and Management</i> , 2008, 255, 1892-1899.	1.4	27
44	Global richness patterns of venomous snakes reveal contrasting influences of ecology and history in two different clades. <i>Oecologia</i> , 2009, 159, 617-626.	0.9	27
45	Deep phylogeny, net primary productivity, and global body size gradient in birds. <i>Biological Journal of the Linnean Society</i> , 2012, 106, 880-892.	0.7	27
46	Stability May Decrease with Diversity in Grassland Communities: Empirical Evidence from the 1986 Cantabrian Mountains (Spain) Drought. <i>Oikos</i> , 1994, 71, 177.	1.2	26
47	Prioritizing areas for conservation and vegetation restoration in post-agricultural landscapes: A Biosphere Reserve plan for Bioko, Equatorial Guinea. <i>Biological Conservation</i> , 2010, 143, 787-794.	1.9	26
48	Effects of seasonal grazing and precipitation regime on the soil macroinvertebrates of a Mediterranean old-field. <i>European Journal of Soil Biology</i> , 2010, 46, 91-96.	1.4	26
49	Assessing among-lineage variability in phylogenetic imputation of functional trait datasets. <i>Ecography</i> , 2018, 41, 1740-1749.	2.1	26
50	Dispersal potentials determine responses of woody plant species richness to environmental factors in fragmented Mediterranean landscapes. <i>Forest Ecology and Management</i> , 2008, 255, 2894-2906.	1.4	23
51	Self-disturbance as a Source of Spatiotemporal Heterogeneity: the Case of the Tallgrass Prairie. <i>Journal of Theoretical Biology</i> , 2000, 204, 153-164.	0.8	22
52	Species' response patterns to habitat fragmentation: do trees support the extinction threshold hypothesis?. <i>Oikos</i> , 2010, 119, 1335-1343.	1.2	21
53	Pleistocene climate change and the formation of regional species pools. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190291.	1.2	20
54	The vertical distribution of below-ground biomass in grassland communities in relation to grazing regime and habitat characteristics. <i>Journal of Vegetation Science</i> , 1995, 6, 63-72.	1.1	19

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55	Human access and landscape structure effects on Andean forest bird richness. <i>Acta Oecologica</i> , 2010, 36, 396-402.	0.5	19
56	Constancy in Functional Space across a Species Richness Anomaly. <i>American Naturalist</i> , 2016, 187, E83-E92.	1.0	19
57	Determination of Animal Behavior-Environment Relationships by Correspondence Analysis. <i>Journal of Range Management</i> , 1997, 50, 85.	0.3	18
58	GLOBAL MODELS FOR PREDICTING WOODY PLANT RICHNESS FROM CLIMATE: COMMENT. <i>Ecology</i> , 2007, 88, 255-259.	1.5	17
59	Body Size, Extinction Risk and Knowledge Bias in New World Snakes. <i>PLoS ONE</i> , 2014, 9, e113429.	1.1	17
60	Correspondence analysis, spectral clustering and graph embedding: applications to ecology and economic complexity. <i>Scientific Reports</i> , 2021, 11, 8926.	1.6	16
61	Relationships of climate, residence time, and biogeographical origin with the range sizes and species richness patterns of exotic plants in Great Britain. <i>Plant Ecology</i> , 2011, 212, 1901-1911.	0.7	15
62	Seeing the forest for the trees: partitioning ecological and phylogenetic components of Bergmann's rule in European Carnivora. <i>Ecography</i> , 2007, 30, 598-608.	2.1	14
63	Measuring evolutionary responses to global warming: cautionary lessons from <i>Drosophila</i> . <i>Insect Conservation and Diversity</i> , 2010, 3, 44-50.	1.4	14
64	Assessing the influence of environmental and human factors on native and exotic species richness. <i>Acta Oecologica</i> , 2011, 37, 51-57.	0.5	14
65	Niche conservatism and species richness patterns of squamate reptiles in eastern and southern Africa. <i>Austral Ecology</i> , 2011, 36, 550-558.	0.7	14
66	Range size patterns of New World oscine passerines (Aves): insights from differences among migratory and sedentary clades. <i>Journal of Biogeography</i> , 2013, 40, 2261-2273.	1.4	13
67	Environmental determinants of woody and herb plant species richness patterns in Great Britain. <i>Ecoscience</i> , 2011, 18, 394-401.	0.6	11
68	Climate and amphibian body size: a new perspective gained from the fossil record. <i>Ecography</i> , 2018, 41, 1307-1318.	2.1	11
69	Historical contingency, niche conservatism and the tendency for some taxa to be more diverse towards the poles. <i>Journal of Biogeography</i> , 2020, 47, 783-794.	1.4	11
70	A global database of plant services for humankind. <i>PLoS ONE</i> , 2021, 16, e0253069.	1.1	11
71	Biogeographic Distribution Patterns of South American Amphibians: A Regionalization Based on Cluster Analysis. <i>Natureza A Conservacao</i> , 2011, 9, 67-72.	2.5	11
72	Habitat productivity influences root mass vertical distribution in grazed Mediterranean ecosystems. <i>Acta Oecologica</i> , 2010, 36, 377-382.	0.5	10

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73	Detecting Fragmentation Extinction Thresholds for Forest Understory Plant Species in Peninsular Spain. <i>PLoS ONE</i> , 2015, 10, e0126424.	1.1	10
74	Revealing patterns of local species richness along environmental gradients with a novel network tool. <i>Scientific Reports</i> , 2015, 5, 11561.	1.6	10
75	Global conservation strategies for two clades of snakes: combining taxon-specific goals with general prioritization schemes. <i>Diversity and Distributions</i> , 2009, 15, 841-851.	1.9	8
76	Deriving Species Richness, Endemism, and Threatened Species Patterns from Incomplete Distribution Data in the Bioko Island, Equatorial Guinea. <i>Natureza A Conservacao</i> , 2010, 08, 27-33.	2.5	7
77	Atlas of the vascular flora of the Iberian Peninsula biodiversity hotspot (AFLIBER). <i>Global Ecology and Biogeography</i> , 2021, 30, 1951-1957.	2.7	6
78	Discerning the impact of human-mediated factors on biodiversity using bioclimatic envelope models and partial regression techniques. <i>Diversity and Distributions</i> , 2010, 16, 300-309.	1.9	4
79	Integrating phylogeny, environment and space to explore variation in macroecological traits of Viperidae and Elapidae (Squamata: Serpentes). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2012, 50, 202-209.	0.6	4
80	Iberian Protected Areas Capture Regional Functional, Phylogenetic and Taxonomic Diversity of Most Tetrapod Groups. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	4
81	Vertical distribution of below-ground biomass in intensively grazed mesic grasslands. <i>Journal of Vegetation Science</i> , 1996, 7, 137-142.	1.1	3
82	Species and life-forms composition of Mediterranean mountain pastures in two years of contrasting precipitation. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 1997, 192, 231-240.	0.6	3
83	Evolutionary history predicts the response of tree species to forest loss: A case study in peninsular Spain. <i>PLoS ONE</i> , 2018, 13, e0204365.	1.1	3
84	An updated phylogenetic bioregionalization for the European fern flora. <i>Biodiversity and Conservation</i> , 2021, 30, 201-215.	1.2	2
85	Estudio, gesti3n, conservaci3n y restauraci3n de ecosistemas ante el cambio global: 1Âº Jornadas FORECO en la Universidad de AlcalÃ¡. <i>Ecosistemas</i> , 2016, 25, 115.	0.2	0