Miguel A Rodriguez

List of Publications by Year
in descending order

85 papers	4,343 citations	109321 35 h-index	118850 62 g-index
89 all docs	89 docs citations	89 times ranked	6208 citing authors

#	Article	IF	Citations
1	Global distribution of earthworm diversity. Science, 2019, 366, 480-485.	12.6	248
2	Coefficient shifts in geographical ecology: an empirical evaluation of spatial and nonâ€spatial regression. Ecography, 2009, 32, 193-204.	4.5	231
3	Energy and interspecific body size patterns of amphibian faunas in Europe and North America: anurans follow Bergmann's rule, urodeles its converse. Global Ecology and Biogeography, 2007, 16, 606-617.	5.8	189
4	Ice age climate, evolutionary constraints and diversity patterns of European dung beetles. Ecology Letters, 2011, 14, 741-748.	6.4	183
5	Broad-scale patterns of body size in squamate reptiles of Europe and North America. Journal of Biogeography, 2006, 33, 781-793.	3.0	174
6	Rapid micro-evolution and loss of chromosomal diversity in Drosophila in response to climate warming. Evolutionary Ecology, 1998, 12, 829-838.	1.2	157
7	Energy, water and large-scale patterns of reptile and amphibian species richness in Europe. Acta Oecologica, 2005, 28, 65-70.	1.1	152
8	A GLOBAL EVALUATION OF METABOLIC THEORY AS AN EXPLANATION FOR TERRESTRIAL SPECIES RICHNESS GRADIENTS. Ecology, 2007, 88, 1877-1888.	3.2	139
9	Bergmann's rule and the geography of mammal body size in the Western Hemisphere. Global Ecology and Biogeography, 2008, 17, 274-283.	5.8	133
10	Animal Versus Wind Dispersal and the Robustness of Tree Species to Deforestation. Science, 2008, 320, 1502-1504.	12.6	125
11	Global angiosperm family richness revisited: linking ecology and evolution to climate. Journal of Biogeography, 2011, 38, 1253-1266.	3.0	116
12	On the selection of phylogenetic eigenvectors for ecological analyses. Ecography, 2012, 35, 239-249.	4.5	107
13	Revisiting phylogenetic signal; strong or negligible impacts of polytomies and branch length information?. BMC Evolutionary Biology, 2017, 17, 53.	3.2	105
14	Food web complexity and higher-level ecosystem services. Ecology Letters, 2003, 6, 587-593.	6.4	100
15	The geographic distribution of mammal body size in Europe. Global Ecology and Biogeography, 2006, 15, 173-181.	5.8	100
16	Contemporary richness of holarctic trees and the historical pattern of glacial retreat. Ecography, 2007, 30, 173-182.	4.5	89
17	Identifying global zoogeographical regions: lessons from <scp>W</scp>allace. Journal of Biogeography, 2013, 40, 2215-2225.	3.0	84
18	Diversity, function and stability in parasitoid communities. Ecology Letters, 2000, 3, 35-40.	6.4	77

#	Article	IF	Citations
19	Towards a biogeographic regionalization of the European biota. Journal of Biogeography, 2010, 37, 2067-2076.	3.0	75
20	Climatic niche conservatism and the evolutionary dynamics in species range boundaries: global congruence across mammals and amphibians. Journal of Biogeography, 2011, 38, 2237-2247.	3.0	75
21	Geographic body size gradients in tropical regions: water deficit and anuran body size in the Brazilian Cerrado. Ecography, 2009, 32, 581-590.	4.5	74
22	Seeing the forest for the trees: partitioning ecological and phylogenetic components of Bergmann's rule in European Carnivora. Ecography, 2007, 30, 598-608.	4.5	72
23	Climate history, human impacts and global body size of Carnivora (Mammalia: Eutheria) at multiple evolutionary scales. Journal of Biogeography, 2009, 36, 2222-2236.	3.0	69
24	The contribution of contemporary climate to ectothermic and endothermic vertebrate distributions in a glacial refuge. Global Ecology and Biogeography, 2010, 19, 40-49.	5.8	63
25	Geography and major host evolutionary transitions shape the resource use of plant parasites. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9840-9845.	7.1	61
26	Habitat patchiness and plant species richness. Ecology Letters, 2001, 4, 417-420.	6.4	59
27	Ecological and evolutionary components of body size: geographic variation of venomous snakes at the global scale. Biological Journal of the Linnean Society, 0, 98, 94-109.	1.6	51
28	Maximum levels of global phylogenetic diversity efficiently capture plant services for humankind. Nature Ecology and Evolution, 2021, 5, 583-588.	7.8	50
29	Richness patterns, species distributions and the principle of extreme deconstruction. Global Ecology and Biogeography, 2009, 18, 123-136.	5.8	49
30	METABOLIC THEORY AND DIVERSITY GRADIENTS: WHERE DO WE GO FROM HERE?. Ecology, 2007, 88, 1898-1902.	3.2	47
31	What Do Range Maps and Surveys Tell Us About Diversity Patterns?. Folia Geobotanica, 2008, 43, 345-355.	0.9	45
32	Crossâ€spspecies and assemblageâ€based approaches to Bergmann's rule and the biogeography of body size in Plethodon salamanders of eastern North America. Ecography, 2010, 33, 362-368.	4.5	45
33	Species distribution modelling as a macroecological tool: a case study using New World amphibians. Ecography, 2012, 35, 539-548.	4.5	45
34	Structural bias in aggregated speciesâ€level variables driven by repeated species coâ€occurrences: a pervasive problem in community and assemblage data. Journal of Biogeography, 2017, 44, 1199-1211.	3.0	45
35	Resource partitioning of four sympatric bark beetles depending on swarming dates and tree species. Forest Ecology and Management, 1998, 109, 127-135.	3.2	43
36	Predicted impact of climate change on threatened terrestrial vertebrates in central Spain highlights differences between endotherms and ectotherms. Animal Conservation, 2010, 13, 363-373.	2.9	42

#	Article	IF	Citations
37	Glaciations, deciduous forests, water availability and current geographical patterns in the diversity of European Carabus species. Journal of Biogeography, 2016, 43, 2343-2353.	3.0	40
38	The Imprint of Cenozoic Migrations and Evolutionary History on the Biogeographic Gradient of Body Size in New World Mammals. American Naturalist, 2012, 180, 246-256.	2.1	34
39	Plant competition and slug herbivory: Effects on the yield and biomass allocation pattern of Poa annua L. Acta Oecologica, 1998, 19, 37-46.	1.1	31
40	Does fragmentation increase extinction thresholds? A <scp>E</scp>uropeanâ€wide test with seven forest birds. Global Ecology and Biogeography, 2013, 22, 1282-1292.	5.8	31
41	Phylogeny and the prediction of tree functional diversity across novel continental settings. Global Ecology and Biogeography, 2017, 26, 553-562.	5.8	31
42	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. Scientific Data, 2021, 8, 136.	5.3	29
43	Illegal logging, landscape structure and the variation of tree species richness across North Andean forest remnants. Forest Ecology and Management, 2008, 255, 1892-1899.	3.2	27
44	Global richness patterns of venomous snakes reveal contrasting influences of ecology and history in two different clades. Oecologia, 2009, 159, 617-626.	2.0	27
45	Deep phylogeny, net primary productivity, and global body size gradient in birds. Biological Journal of the Linnean Society, 2012, 106, 880-892.	1.6	27
46	Stability May Decrease with Diversity in Grassland Communities: Empirical Evidence from the 1986 Cantabrian Mountains (Spain) Drought. Oikos, 1994, 71, 177.	2.7	26
47	Prioritizing areas for conservation and vegetation restoration in post-agricultural landscapes: A Biosphere Reserve plan for Bioko, Equatorial Guinea. Biological Conservation, 2010, 143, 787-794.	4.1	26
48	Effects of seasonal grazing and precipitation regime on the soil macroinvertebrates of a Mediterranean old-field. European Journal of Soil Biology, 2010, 46, 91-96.	3.2	26
49	Assessing amongâ€lineage variability in phylogenetic imputation of functional trait datasets. Ecography, 2018, 41, 1740-1749.	4.5	26
50	Dispersal potentials determine responses of woody plant species richness to environmental factors in fragmented Mediterranean landscapes. Forest Ecology and Management, 2008, 255, 2894-2906.	3.2	23
51	Self-disturbance as a Source of Spatiotemporal Heterogeneity: the Case of the Tallgrass Prairie. Journal of Theoretical Biology, 2000, 204, 153-164.	1.7	22
52	Speciesâ€™ response patterns to habitat fragmentation: do trees support the extinction threshold hypothesis?. Oikos, 2010, 119, 1335-1343.	2.7	21
53	Pleistocene climate change and the formation of regional species pools. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190291.	2.6	20
54	The vertical distribution of below-ground biomass in grassland communities in relation to grazing regime and habitat characteristics. Journal of Vegetation Science, 1995, 6, 63-72.	2.2	19

#	Article	IF	Citations
55	Human access and landscape structure effects on Andean forest bird richness. Acta Oecologica, 2010, 36, 396-402.	1.1	19
56	Constancy in Functional Space across a Species Richness Anomaly. American Naturalist, 2016, 187, E83-E92.	2.1	19
57	Determination of Animal Behavior-Environment Relationships by Correspondence Analysis. Journal of Range Management, 1997, 50, 85.	0.3	18
58	GLOBAL MODELS FOR PREDICTING WOODY PLANT RICHNESS FROM CLIMATE: COMMENT. Ecology, 2007, 88, 255-259.	3.2	17
59	Body Size, Extinction Risk and Knowledge Bias in New World Snakes. PLoS ONE, 2014, 9, e113429.	2.5	17
60	Correspondence analysis, spectral clustering and graph embedding: applications to ecology and economic complexity. Scientific Reports, 2021, 11, 8926.	3.3	16
61	Relationships of climate, residence time, and biogeographical origin with the range sizes and species richness patterns of exotic plants in Great Britain. Plant Ecology, 2011, 212, 1901-1911.	1.6	15
62	Seeing the forest for the trees: partitioning ecological and phylogenetic components of Bergmann's rule in European Carnivora. Ecography, 2007, 30, 598-608.	4.5	14
63	Measuring evolutionary responses to global warming: cautionary lessons fromDrosophila. Insect Conservation and Diversity, 2010, 3, 44-50.	3.0	14
64	Assessing the influence of environmental and human factors on native and exotic species richness. Acta Oecologica, 2011, 37, 51-57.	1.1	14
65	Niche conservatism and species richness patterns of squamate reptiles in eastern and southern Africa. Austral Ecology, 2011, 36, 550-558.	1.5	14
66	Range size patterns of New World oscine passerines (Aves): insights from differences among migratory and sedentary clades. Journal of Biogeography, 2013, 40, 2261-2273.	3.0	13
67	Environmental determinants of woody and herb plant species richness patterns in Great Britain. Ecoscience, 2011, 18, 394-401.	1.4	11
68	Climate and amphibian body size: a new perspective gained from the fossil record. Ecography, 2018, 41, 1307-1318.	4.5	11
69	Historical contingency, niche conservatism and the tendency for some taxa to be more diverse towards the poles. Journal of Biogeography, 2020, 47, 783-794.	3.0	11
70	A global database of plant services for humankind. PLoS ONE, 2021, 16, e0253069.	2.5	11
71	Biogeographic Distribution Patterns of South American Amphibians: A Regionalization Based on Cluster Analysis. Natureza A Conservacao, 2011, 9, 67-72.	2.5	11
72	Habitat productivity influences root mass vertical distribution in grazed Mediterranean ecosystems. Acta Oecologica, 2010, 36, 377-382.	1.1	10

#	Article	IF	Citations
73	Detecting Fragmentation Extinction Thresholds for Forest Understory Plant Species in Peninsular Spain. PLoS ONE, 2015, 10, e0126424.	2.5	10
74	Revealing patterns of local species richness along environmental gradients with a novel network tool. Scientific Reports, 2015, 5, 11561.	3.3	10
75	Global conservation strategies for two clades of snakes: combining taxonâ€specific goals with general prioritization schemes. Diversity and Distributions, 2009, 15, 841-851.	4.1	8
76	Deriving Species Richness, Endemism, and Threatened Species Patterns from Incomplete Distribution Data in the Bioko Island, Equatorial Guinea. Natureza A Conservacao, 2010, 08, 27-33.	2.5	7
77	Atlas of the vascular flora of the Iberian Peninsula biodiversity hotspot (AFLIBER). Global Ecology and Biogeography, 2021, 30, 1951-1957.	5.8	6
78	Discerning the impact of humanâ€mediated factors on biodiversity using bioclimatic envelope models and partial regression techniques. Diversity and Distributions, 2010, 16, 300-309.	4.1	4
79	Integrating phylogeny, environment and space to explore variation in macroecological traits of Viperidae and Elapidae (Squamata: Serpentes). Journal of Zoological Systematics and Evolutionary Research, 2012, 50, 202-209.	1.4	4
80	Iberian Protected Areas Capture Regional Functional, Phylogenetic and Taxonomic Diversity of Most Tetrapod Groups. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	4
81	Vertical distribution of below-ground biomass in intensively grazed mesic grasslands. Journal of Vegetation Science, 1996, 7, 137-142.	2.2	3
82	Species and life-forms composition of Mediterranean mountain pastures in two years of contrasting precipitation. Flora: Morphology, Distribution, Functional Ecology of Plants, 1997, 192, 231-240.	1.2	3
83	Evolutionary history predicts the response of tree species to forest loss: A case study in peninsular Spain. PLoS ONE, 2018, 13, e0204365.	2.5	3
84	An updated phylogenetic bioregionalization for the European fern flora. Biodiversity and Conservation, 2021, 30, 201-215.	2.6	2
85	Estudio, gestiÃ³n, conservaciÃ³n y restauraciÃ³n de ecosistemas ante el cambio global: 1Âº Jornadas FORECO en la Universidad de AlcalÃ¡. Ecosistemas, 2016, 25, 115.	0.4	0