

Miguel Bastos Arajo

List of Publications by Citations

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205
papers

40,371
citations

84
h-index

200
g-index

223
ext. papers

46,231
ext. citations

8.3
avg, IF

7.58
L-index

#	Paper	IF	Citations
205	Methods to account for spatial autocorrelation in the analysis of species distributional data: a review. <i>Ecography</i> , 2007 , 30, 609-628	6.5	2078
204	Ensemble forecasting of species distributions. <i>Trends in Ecology and Evolution</i> , 2007 , 22, 42-7	10.9	1883
203	Climate change threats to plant diversity in Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8245-50	11.5	1598
202	BIOMOD 2: a platform for ensemble forecasting of species distributions. <i>Ecography</i> , 2009 , 32, 369-373	6.5	1340
201	Scenarios for global biodiversity in the 21st century. <i>Science</i> , 2010 , 330, 1496-501	33.3	1259
200	Biodiversity redistribution under climate change: Impacts on ecosystems and human well-being. <i>Science</i> , 2017 , 355,	33.3	1215
199	Ecosystem service supply and vulnerability to global change in Europe. <i>Science</i> , 2005 , 310, 1333-7	33.3	1181
198	Five (or so) challenges for species distribution modelling. <i>Journal of Biogeography</i> , 2006 , 33, 1677-1688	4.1	1142
197	Validation of species climate impact models under climate change. <i>Global Change Biology</i> , 2005 , 11, 1504-1513	11.4	980
196	Ecological Niches and Geographic Distributions (MPB-49) 2011 ,		975
195	The importance of biotic interactions for modelling species distributions under climate change. <i>Global Ecology and Biogeography</i> , 2007 , 16, 743-753	6.1	794
194	Predicting global change impacts on plant species distributions: Future challenges. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2008 , 9, 137-152	3	785
193	An update of Wallace's zoogeographic regions of the world. <i>Science</i> , 2013 , 339, 74-8	33.3	762
192	Conservation Biogeography: assessment and prospect. <i>Diversity and Distributions</i> , 2005 , 11, 3-23	5	694
191	Methods and uncertainties in bioclimatic envelope modelling under climate change. <i>Progress in Physical Geography</i> , 2006 , 30, 751-777	3.5	679
190	Uses and misuses of bioclimatic envelope modeling. <i>Ecology</i> , 2012 , 93, 1527-39	4.6	664
189	Model-based uncertainty in species range prediction. <i>Journal of Biogeography</i> , 2006 , 33, 1704-1711	4.1	659

188	Climate warming and the decline of amphibians and reptiles in Europe. <i>Journal of Biogeography</i> , 2006 , 33, 1712-1728	4.1	602
187	The effects of phenotypic plasticity and local adaptation on forecasts of species range shifts under climate change. <i>Ecology Letters</i> , 2014 , 17, 1351-64	10	583
186	An evaluation of methods for modelling species distributions. <i>Journal of Biogeography</i> , 2004 , 31, 1555-1568	5.6	582
185	Presence-absence versus presence-only modelling methods for predicting bird habitat suitability. <i>Ecography</i> , 2004 , 27, 437-448	6.5	564
184	Climate change threatens European conservation areas. <i>Ecology Letters</i> , 2011 , 14, 484-92	10	537
183	Heat freezes niche evolution. <i>Ecology Letters</i> , 2013 , 16, 1206-19	10	530
182	Would climate change drive species out of reserves? An assessment of existing reserve-selection methods. <i>Global Change Biology</i> , 2004 , 10, 1618-1626	11.4	516
181	Protected area needs in a changing climate. <i>Frontiers in Ecology and the Environment</i> , 2007 , 5, 131-138	5.5	507
180	Predicting extinction risks under climate change: coupling stochastic population models with dynamic bioclimatic habitat models. <i>Biology Letters</i> , 2008 , 4, 560-3	3.6	456
179	Equilibrium of species distributions with climate. <i>Ecography</i> , 2005 , 28, 693-695	6.5	432
178	Exposure of global mountain systems to climate warming during the 21st Century. <i>Global Environmental Change</i> , 2007 , 17, 420-428	10.1	416
177	Effects of restricting environmental range of data to project current and future species distributions. <i>Ecography</i> , 2004 , 27, 165-172	6.5	414
176	Partitioning and mapping uncertainties in ensembles of forecasts of species turnover under climate change. <i>Ecography</i> , 2009 , 32, 897-906	6.5	409
175	Forecasting the Effects of Global Warming on Biodiversity. <i>BioScience</i> , 2007 , 57, 227-236	5.7	407
174	Additive threats from pathogens, climate and land-use change for global amphibian diversity. <i>Nature</i> , 2011 , 480, 516-9	50.4	388
173	Ecology. How does climate change affect biodiversity?. <i>Science</i> , 2006 , 313, 1396-7	33.3	388
172	21st century climate change threatens mountain flora unequally across Europe. <i>Global Change Biology</i> , 2011 , 17, 2330-2341	11.4	377
171	A coherent set of future land use change scenarios for Europe. <i>Agriculture, Ecosystems and Environment</i> , 2006 , 114, 57-68	5.7	377

170	Niche properties and geographical extent as predictors of species sensitivity to climate change. <i>Global Ecology and Biogeography</i> , 2005 , 14, 347-357	6.1	374
169	Scale effects and human impact on the elevational species richness gradients. <i>Nature</i> , 2008 , 453, 216-9	50.4	373
168	Consequences of climate change on the tree of life in Europe. <i>Nature</i> , 2011 , 470, 531-4	50.4	367
167	Multiple dimensions of climate change and their implications for biodiversity. <i>Science</i> , 2014 , 344, 1247-579	53.3	361
166	Reducing uncertainty in projections of extinction risk from climate change. <i>Global Ecology and Biogeography</i> , 2005 , 14, 529-538	6.1	357
165	Standards for distribution models in biodiversity assessments. <i>Science Advances</i> , 2019 , 5, eaat4858	14.3	309
164	Do we need land-cover data to model species distributions in Europe?. <i>Journal of Biogeography</i> , 2004 , 31, 353-361	4.1	306
163	Selecting areas for species persistence using occurrence data. <i>Biological Conservation</i> , 2000 , 96, 331-345	6.2	305
162	Quaternary climate changes explain diversity among reptiles and amphibians. <i>Ecography</i> , 2008 , 31, 8-15	6.5	282
161	sdm: a reproducible and extensible R platform for species distribution modelling. <i>Ecography</i> , 2016 , 39, 368-375	6.5	282
160	The coincidence of climatic and species rarity: high risk to small-range species from climate change. <i>Biology Letters</i> , 2008 , 4, 568-72	3.6	245
159	Dynamics of range margins for metapopulations under climate change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 1415-20	4.4	229
158	Planning for Climate Change: Identifying Minimum-Dispersal Corridors for the Cape Proteaceae. <i>Conservation Biology</i> , 2005 , 19, 1063-1074	6	229
157	Consequences of spatial autocorrelation for niche-based models. <i>Journal of Applied Ecology</i> , 2006 , 43, 433-444	5.8	221
156	Generalized models vs. classification tree analysis: Predicting spatial distributions of plant species at different scales. <i>Journal of Vegetation Science</i> , 2003 , 14, 669-680	3.1	217
155	The geographic scaling of biotic interactions. <i>Ecography</i> , 2014 , 37, 406-415	6.5	208
154	Coefficient shifts in geographical ecology: an empirical evaluation of spatial and non-spatial regression. <i>Ecography</i> , 2009 , 32, 193-204	6.5	207
153	Using niche-based modelling to assess the impact of climate change on tree functional diversity in Europe. <i>Diversity and Distributions</i> , 2006 , 12, 49-60	5	204

152	Climate change, humans, and the extinction of the woolly mammoth. <i>PLoS Biology</i> , 2008 , 6, e79	9.7	196
151	Inferring biotic interactions from proxies. <i>Trends in Ecology and Evolution</i> , 2015 , 30, 347-56	10.9	186
150	Downscaling European species atlas distributions to a finer resolution: implications for conservation planning. <i>Global Ecology and Biogeography</i> , 2005 , 14, 17-30	6.1	185
149	How can a knowledge of the past help to conserve the future? Biodiversity conservation and the relevance of long-term ecological studies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007 , 362, 175-86	5.8	178
148	Geographical gradients of species richness: a test of the water-energy conjecture of Hawkins et al. (2003) using European data for five taxa. <i>Global Ecology and Biogeography</i> , 2007 , 16, 76-89	6.1	177
147	The coincidence of people and biodiversity in Europe. <i>Global Ecology and Biogeography</i> , 2003 , 12, 5-12	6.1	166
146	Biodiversity conservation: uncertainty in predictions of extinction risk. <i>Nature</i> , 2004 , 430, 1 p following 33; discussion following 33	50.4	160
145	Rethinking species' ability to cope with rapid climate change. <i>Global Change Biology</i> , 2011 , 17, 2987-2990	11.4	156
144	Biotic and abiotic variables show little redundancy in explaining tree species distributions. <i>Ecography</i> , 2010 , 33, 1038-1048	6.5	156
143	Plant extinction risk under climate change: are forecast range shifts alone a good indicator of species vulnerability to global warming?. <i>Global Change Biology</i> , 2012 , 18, 1357-1371	11.4	155
142	Choice of threshold alters projections of species range shifts under climate change. <i>Ecological Modelling</i> , 2011 , 222, 3346-3354	3	154
141	Combining probabilities of occurrence with spatial reserve design. <i>Journal of Applied Ecology</i> , 2004 , 41, 252-262	5.8	154
140	Niches and Geographic Distributions 2011 ,		151
139	The effectiveness of Iberian protected areas in conserving terrestrial biodiversity. <i>Conservation Biology</i> , 2007 , 21, 1423-32	6	145
138	A comprehensive evaluation of predictive performance of 33 species distribution models at species and community levels. <i>Ecological Monographs</i> , 2019 , 89, e01370	9	135
137	Modelling distribution in European stream macroinvertebrates under future climates. <i>Global Change Biology</i> , 2013 , 19, 752-62	11.4	128
136	The concept of potential natural vegetation: an epitaph?. <i>Journal of Vegetation Science</i> , 2010 , 21, 1172-1178	11.7	128
135	Resource tracking within and across continents in long-distance bird migrants. <i>Science Advances</i> , 2017 , 3, e1601360	14.3	126

134	Using species co-occurrence networks to assess the impacts of climate change. <i>Ecography</i> , 2011 , 34, 897-908	12.5	125
133	Exploring consensus in 21st century projections of climatically suitable areas for African vertebrates. <i>Global Change Biology</i> , 2012 , 18, 1253-1269	11.4	121
132	Integrating bioclimate with population models to improve forecasts of species extinctions under climate change. <i>Biology Letters</i> , 2009 , 5, 723-5	3.6	114
131	Dynamics of extinction and the selection of nature reserves. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 1971-80	4.4	113
130	A global evaluation of metabolic theory as an explanation for terrestrial species richness gradients. <i>Ecology</i> , 2007 , 88, 1877-88	4.6	109
129	Climate change in Mediterranean mountains during the 21st century. <i>Ambio</i> , 2008 , 37, 280-5	6.5	105
128	A roadmap for island biology: 50 fundamental questions after 50 years of The Theory of Island Biogeography. <i>Journal of Biogeography</i> , 2017 , 44, 963-983	4.1	101
127	Conservation planning with uncertain climate change projections. <i>PLoS ONE</i> , 2013 , 8, e53315	3.7	96
126	Spread of SARS-CoV-2 Coronavirus likely constrained by climate		96
125	Tools for integrating range change, extinction risk and climate change information into conservation management. <i>Ecography</i> , 2013 , 36, 956-964	6.5	95
124	Shifting protected areas: scheduling spatial priorities under climate change. <i>Journal of Applied Ecology</i> , 2014 , 51, 703-713	5.8	93
123	GlobTherm, a global database on thermal tolerances for aquatic and terrestrial organisms. <i>Scientific Data</i> , 2018 , 5, 180022	8.2	91
122	Individualistic vs community modelling of species distributions under climate change. <i>Ecography</i> , 2009 , 32, 55-65	6.5	87
121	Chasing a moving target: projecting climate change-induced shifts in non-equilibrium tree species distributions. <i>Journal of Ecology</i> , 2013 , 101, 441-453	6	83
120	Can vulnerability among British bumblebee (<i>Bombus</i>) species be explained by niche position and breadth?. <i>Biological Conservation</i> , 2007 , 138, 493-505	6.2	83
119	Life on a tropical planet: niche conservatism and the global diversity gradient. <i>Global Ecology and Biogeography</i> , 2013 , 22, 344-350	6.1	80
118	The island immaturity - speciation pulse model of island evolution: an alternative to the diversity begets diversity model. <i>Ecography</i> , 2007 , 30, 321-327	6.5	80
117	Projected climate changes threaten ancient refugia of kelp forests in the North Atlantic. <i>Global Change Biology</i> , 2018 , 24, e55-e66	11.4	79

116	Adapted conservation measures are required to save the Iberian lynx in a changing climate. <i>Nature Climate Change</i> , 2013 , 3, 899-903	21.4	77
115	Combining projected changes in species richness and composition reveals climate change impacts on coastal Mediterranean fish assemblages. <i>Global Change Biology</i> , 2012 , 18, 2995-3003	11.4	74
114	Areas of climate stability of species ranges in the Brazilian Cerrado: disentangling uncertainties through time. <i>Natureza A Conservacao</i> , 2012 , 10, 152-159		74
113	The Bias of Complementarity Hotspots toward Marginal Populations. <i>Conservation Biology</i> , 2001 , 15, 1710-1720	6	72
112	Biodiversity Hotspots and Zones of Ecological Transition. <i>Conservation Biology</i> , 2002 , 16, 1662-1663	6	71
111	Uncertainty associated with survey design in Species Distribution Models. <i>Diversity and Distributions</i> , 2014 , 20, 1258-1269	5	69
110	Climate predictors of late quaternary extinctions. <i>Evolution; International Journal of Organic Evolution</i> , 2010 , 64, 2442-9	3.8	69
109	Matching species with reserves – Uncertainties from using data at different resolutions. <i>Biological Conservation</i> , 2004 , 118, 533-538	6.2	66
108	Distribution patterns of biodiversity and the design of a representative reserve network in Portugal. <i>Diversity and Distributions</i> , 1999 , 5, 151-163	5	65
107	Evaluating the combined effects of climate and land-use change on tree species distributions. <i>Journal of Applied Ecology</i> , 2015 , 52, 902-912	5.8	64
106	Reopening the climate envelope reveals macroscale associations with climate in European birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, E45-6; author reply E41-3	11.5	64
105	Anthropogenic range contractions bias species climate change forecasts. <i>Nature Climate Change</i> , 2018 , 8, 252-256	21.4	62
104	Apples, Oranges, and Probabilities: Integrating Multiple Factors into Biodiversity Conservation with Consistency. <i>Environmental Modeling and Assessment</i> , 2002 , 7, 139-151	2	60
103	Dispersal ability modulates the strength of the latitudinal richness gradient in European beetles. <i>Global Ecology and Biogeography</i> , 2012 , 21, 1106-1113	6.1	59
102	Biogeography of Iberian freshwater fishes revisited: the roles of historical versus contemporary constraints. <i>Journal of Biogeography</i> , 2009 , 36, 2096-2110	4.1	58
101	A theory for species co-occurrence in interaction networks. <i>Theoretical Ecology</i> , 2016 , 9, 39-48	1.6	57
100	Shifting global invasive potential of European plants with climate change. <i>PLoS ONE</i> , 2008 , 3, e2441	3.7	56
99	Matching species traits to projected threats and opportunities from climate change. <i>Journal of Biogeography</i> , 2014 , 41, 724-735	4.1	55

98	Linking like with like: optimising connectivity between environmentally-similar habitats. <i>Landscape Ecology</i> , 2012 , 27, 291-301	4.3	54
97	The mossy north: an inverse latitudinal diversity gradient in European bryophytes. <i>Scientific Reports</i> , 2016 , 6, 25546	4.9	54
96	Networks of global bird invasion altered by regional trade ban. <i>Science Advances</i> , 2017 , 3, e1700783	14.3	52
95	Conserving the Brazilian semiarid (Caatinga) biome under climate change. <i>Biodiversity and Conservation</i> , 2012 , 21, 2913-2926	3.4	52
94	Global patterns in the shape of species geographical ranges reveal range determinants. <i>Journal of Biogeography</i> , 2012 , 39, 760-771	4.1	51
93	The effects of model and data complexity on predictions from species distributions models. <i>Ecological Modelling</i> , 2016 , 326, 4-12	3	49
92	How complex should models be? Comparing correlative and mechanistic range dynamics models. <i>Global Change Biology</i> , 2018 , 24, 1357-1370	11.4	48
91	Does local habitat fragmentation affect large-scale distributions? The case of a specialist grassland bird. <i>Diversity and Distributions</i> , 2013 , 19, 423-432	5	47
90	Habitat stability affects dispersal and the ability to track climate change. <i>Biology Letters</i> , 2012 , 8, 639-433.6		47
89	An ecosystem model-based estimate of changes in water availability differs from water proxies that are commonly used in species distribution models. <i>Global Ecology and Biogeography</i> , 2009 , 18, 304-313	6.1	47
88	Species' intrinsic traits inform their range limitations and vulnerability under environmental change. <i>Global Ecology and Biogeography</i> , 2015 , 24, 849-858	6.1	45
87	Measurements of area and the (island) species-area relationship: new directions for an old pattern. <i>Oikos</i> , 2008 , 117, 1555-1559	4	45
86	Representing species in reserves from patterns of assemblage diversity. <i>Journal of Biogeography</i> , 2004 , 31, 1037-1050	4.1	44
85	Representing taxonomic, phylogenetic and functional diversity: new challenges for Mediterranean marine-protected areas. <i>Diversity and Distributions</i> , 2015 , 21, 175-187	5	43
84	Equilibrium of global amphibian species distributions with climate. <i>PLoS ONE</i> , 2012 , 7, e34420	3.7	43
83	Species richness, area and climate correlates. <i>Global Ecology and Biogeography</i> , 2006 , 15, 452-460	6.1	43
82	Climate change, species range shifts and dispersal corridors: an evaluation of spatial conservation models. <i>Methods in Ecology and Evolution</i> , 2016 , 7, 853-866	7.7	42
81	The marine fish food web is globally connected. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1153-1161	12.3	42

80	Potential Impacts of Climate Change on Ecosystem Services in Europe: The Case of Pest Control by Vertebrates. <i>BioScience</i> , 2012 , 62, 658-666	5.7	42
79	Predicting range expansion of the map butterfly in Northern Europe using bioclimatic models. <i>Biodiversity and Conservation</i> , 2008 , 17, 623-641	3.4	41
78	The contribution of vegetation and landscape configuration for predicting environmental change impacts on Iberian birds. <i>PLoS ONE</i> , 2011 , 6, e29373	3.7	40
77	A sequential approach to minimise threats within selected conservation areas. <i>Biodiversity and Conservation</i> , 2002 , 11, 1011-1024	3.4	40
76	Climate envelope models suggest spatio-temporal co-occurrence of refugia of African birds and mammals. <i>Global Ecology and Biogeography</i> , 2013 , 22, 351-363	6.1	38
75	Incorporating the effects of changes in vegetation functioning and CO2 on water availability in plant habitat models. <i>Biology Letters</i> , 2008 , 4, 556-9	3.6	38
74	Community-level vs species-specific approaches to model selection. <i>Ecography</i> , 2013 , 36, 1291-1298	6.5	37
73	The evolution of critical thermal limits of life on Earth. <i>Nature Communications</i> , 2021 , 12, 1198	17.4	37
72	Ensemble forecasting shifts in climatically suitable areas for <i>Tropidacris cristata</i> (Orthoptera: Acridoidea: Romaleidae). <i>Insect Conservation and Diversity</i> , 2010 , 3, 213	3.8	36
71	Metabolic theory and diversity gradients: where do we go from here?. <i>Ecology</i> , 2007 , 88, 1898-902	4.6	36
70	How well do Important Bird Areas represent species and minimize conservation conflict in the tropical Andes?. <i>Diversity and Distributions</i> , 2006 , 12, 205-214	5	36
69	Effects of climate change on the distribution of indigenous species in oceanic islands (Azores). <i>Climatic Change</i> , 2016 , 138, 603-615	4.5	34
68	Misleading results from conventional gap analysis [Messages from the warming north. <i>Biological Conservation</i> , 2011 , 144, 2450-2458	6.2	33
67	Predictors of contraction and expansion of area of occupancy for British birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	32
66	Intraspecific variation in lizard heat tolerance alters estimates of climate impact. <i>Journal of Animal Ecology</i> , 2019 , 88, 247-257	4.7	32
65	Multiple interactions networks: towards more realistic descriptions of the web of life. <i>Oikos</i> , 2018 , 127, 5-22	4	31
64	A probability-based approach to match species with reserves when data are at different resolutions. <i>Biological Conservation</i> , 2011 , 144, 811-820	6.2	31
63	Exposure of European biodiversity to changes in human-induced pressures. <i>Environmental Science and Policy</i> , 2008 , 11, 38-45	6.2	31

62	Predicting species diversity with ED: the quest for evidence. <i>Ecography</i> , 2003 , 26, 380-383	6.5	31
61	Mitigation, adaptation, and the threat to biodiversity. <i>Conservation Biology</i> , 2008 , 22, 1352-5	6	30
60	Integrating multiple lines of evidence into historical biogeography hypothesis testing: a Bison bison case study. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20132782	4.4	29
59	Predicting range shifts of Asian elephants under global change. <i>Diversity and Distributions</i> , 2019 , 25, 822-838	5.3	28
58	Phenotypic correlates of potential range size and range filling in European trees. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2014 , 16, 219-227	3	28
57	Dangers of crying wolf over risk of extinctions. <i>Nature</i> , 2004 , 428, 799	5.4	28
56	Trends in legal and illegal trade of wild birds: a global assessment based on expert knowledge. <i>Biodiversity and Conservation</i> , 2019 , 28, 3343-3369	3.4	27
55	Globalizing Conservation Efforts to Save Species and Enhance Food Production. <i>BioScience</i> , 2014 , 64, 539-545	5.7	27
54	Cost-effective monitoring of biological invasions under global change: a model-based framework. <i>Journal of Applied Ecology</i> , 2016 , 53, 1317-1329	5.8	27
53	Linking habitats for multiple species. <i>Environmental Modelling and Software</i> , 2013 , 40, 336-339	5.2	26
52	Risk assessment for Iberian birds under global change. <i>Biological Conservation</i> , 2013 , 168, 192-200	6.2	23
51	Conserving biodiversity in a world of conflicts. <i>Journal of Biogeography</i> , 2007 , 34, 199-200	4.1	23
50	Temperature Range Shifts for Three European Tree Species over the Last 10,000 Years. <i>Frontiers in Plant Science</i> , 2016 , 7, 1581	6.2	23
49	demonicR: an R-package for simulating spatially-explicit population dynamics. <i>Ecography</i> , 2012 , 35, 577-580	6.5	22
48	Testing the effectiveness of discrete and continuous environmental diversity as a surrogate for species diversity. <i>Ecological Indicators</i> , 2009 , 9, 138-149	5.8	22
47	The Global Forest Transition as a Human Affair. <i>One Earth</i> , 2020 , 2, 417-428	8.1	21
46	Planning for the future: identifying conservation priority areas for Iberian birds under climate change. <i>Landscape Ecology</i> , 2018 , 33, 659-673	4.3	21
45	Generalized models vs. classification tree analysis: Predicting spatial distributions of plant species at different scales 2003 , 14, 669		21

44	Using Life Strategies to Explore the Vulnerability of Ecosystem Services to Invasion by Alien Plants. <i>Ecosystems</i> , 2013 , 16, 678-693	3.9	20
43	Baselines, Patterns and Process 2011 , 31-44		20
42	Effects of climate, species interactions, and dispersal on decadal colonization and extinction rates of Iberian tree species. <i>Ecological Modelling</i> , 2015 , 309-310, 118-127	3	19
41	Managing the long-term persistence of a rare cockatoo under climate change. <i>Journal of Applied Ecology</i> , 2012 , 49, 785-794	5.8	17
40	Climate shapes mammal community trophic structures and humans simplify them. <i>Nature Communications</i> , 2019 , 10, 5197	17.4	17
39	Anthropogenic impacts weaken Bergmann's rule. <i>Ecography</i> , 2017 , 40, 683-684	6.5	16
38	Factors affecting corn bunting <i>Miliaria calandra</i> abundance in a Portuguese agricultural landscape. <i>Agriculture, Ecosystems and Environment</i> , 2000 , 77, 219-226	5.7	16
37	Phylogeny and the prediction of tree functional diversity across novel continental settings. <i>Global Ecology and Biogeography</i> , 2017 , 26, 553-562	6.1	15
36	A biogeographical regionalization of Angolan mammals. <i>Mammal Review</i> , 2015 , 45, 103-116	5	15
35	The effect of multiple biotic interaction types on species persistence. <i>Ecology</i> , 2018 , 99, 2327-2337	4.6	15
34	Phylogenetic signals in the climatic niches of the world's amphibians. <i>Ecography</i> , 2010 , 33, no-no	6.5	15
33	Modelling landscape constraints on farmland bird species range shifts under climate change. <i>Science of the Total Environment</i> , 2018 , 625, 1596-1605	10.2	14
32	Heat tolerance is more variable than cold tolerance across species of Iberian lizards after controlling for intraspecific variation. <i>Functional Ecology</i> , 2020 , 34, 631-645	5.6	13
31	Improvements in reports of species redistribution under climate change are required. <i>Science Advances</i> , 2021 , 7,	14.3	13
30	SimiVal, a multi-criteria map comparison tool for land-change model projections. <i>Environmental Modelling and Software</i> , 2016 , 82, 229-240	5.2	13
29	Do projections from bioclimatic envelope models and climate change metrics match?. <i>Global Ecology and Biogeography</i> , 2016 , 25, 65-74	6.1	13
28	Did British breeding birds move north in the late 20th century?. <i>Climate Change Responses</i> , 2016 , 3,		11
27	Response to Comment on "An update of Wallace's zoogeographic regions of the world". <i>Science</i> , 2013 , 341, 343	33.3	10

26	Divergent trophic responses to biogeographic and environmental gradients. <i>Oikos</i> , 2017 , 126, 101-110	4	9
25	Ecological and epidemiological models are both useful for SARS-CoV-2. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1153-1154	12.3	9
24	Do community-level models describe community variation effectively?. <i>Journal of Biogeography</i> , 2010 , 37, no-no	4.1	9
23	MACIS: Minimisation of and Adaptation to Climate Change Impacts on Biodiversity. <i>Gaia</i> , 2008 , 17, 393-395	11.5	9
22	Optimizing biodiversity informatics to improve information flow, data quality, and utility for science and society. <i>Frontiers of Biogeography</i> , 2020 , 12,	2.9	8
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15	Climate change impacts on the distribution of coastal lobsters. <i>Marine Biology</i> , 2018 , 165, 1	2.5	5
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12	Geographical gradients of species richness: a test of the water-energy conjecture of) using European data for five taxa. <i>Global Ecology and Biogeography</i> , 2006 , 061120101210013-???	6.1	3
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