

# Gurutzeta Guillera-Arroita

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61  
papers

3,859  
citations

32  
h-index

62  
g-index

65  
ext. papers

5,378  
ext. citations

6.5  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
61	Traits explain invasion of alien plants into tropical rainforests. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 3808-3812	12.8	3
60	Efficient effort allocation in line-transect distance sampling of high-density species: When to walk further, measure less-often and gain precision. <i>Methods in Ecology and Evolution</i> , <b>2021</b> , 12, 962-970	7.7	0
59	Can dynamic occupancy models improve predictions of species range dynamics? A test using Swiss birds. <i>Global Change Biology</i> , <b>2021</b> , 27, 4269-4282	11.4	3
58	Assessing the accuracy of density-independent demographic models for predicting species ranges. <i>Ecography</i> , <b>2021</b> , 44, 345-357	6.5	0
57	Defining and evaluating predictions of joint species distribution models. <i>Methods in Ecology and Evolution</i> , <b>2021</b> , 12, 394-404	7.7	4
56	Enhancing repository fungal data for biogeographic analyses. <i>Fungal Ecology</i> , <b>2021</b> , 53, 101097	4.1	0
55	A standard protocol for reporting species distribution models. <i>Ecography</i> , <b>2020</b> , 43, 1261-1277	6.5	141
54	Using Species Distribution Models For Fungi. <i>Fungal Biology Reviews</i> , <b>2020</b> , 34, 74-88	6.8	17
53	Testing whether ensemble modelling is advantageous for maximising predictive performance of species distribution models. <i>Ecography</i> , <b>2020</b> , 43, 549-558	6.5	65
52	Implications of zero-deforestation commitments: Forest quality and hunting pressure limit mammal persistence in fragmented tropical landscapes. <i>Conservation Letters</i> , <b>2020</b> , 13, e12701	6.9	12
51	The score test for the two-sample occupancy model. <i>Australian and New Zealand Journal of Statistics</i> , <b>2020</b> , 62, 95-115	0.7	0
50	Data Integration for Large-Scale Models of Species Distributions. <i>Trends in Ecology and Evolution</i> , <b>2020</b> , 35, 56-67	10.9	71
49	Maximizing the value of forest restoration for tropical mammals by detecting three-dimensional habitat associations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 26254-26262	11.5	10
48	Influence of life-history traits on the occurrence of carnivores within exotic Eucalyptus plantations. <i>Diversity and Distributions</i> , <b>2020</b> , 26, 1071-1082	5	1
47	A review of evidence about use and performance of species distribution modelling ensembles like BIOMOD. <i>Diversity and Distributions</i> , <b>2019</b> , 25, 839-852	5	116
46	Joint species distribution models with species correlations and imperfect detection. <i>Ecology</i> , <b>2019</b> , 100, e02754	4.6	40
45	Inferring species richness using multispecies occupancy modeling: Estimation performance and interpretation. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 780-792	2.8	33

44	Forecasting species range dynamics with process-explicit models: matching methods to applications. <i>Ecology Letters</i> , <b>2019</b> , 22, 1940-1956	10	72
43	Towards meaningful monitoring: A case study of a threatened rodent. <i>Austral Ecology</i> , <b>2019</b> , 44, 223-236	1.5	3
42	A comparison of joint species distribution models for presence-absence data. <i>Methods in Ecology and Evolution</i> , <b>2019</b> , 10, 198-211	7.7	33
41	blockCV: An r package for generating spatially or environmentally separated folds for k-fold cross-validation of species distribution models. <i>Methods in Ecology and Evolution</i> , <b>2019</b> , 10, 225-232	7.7	125
40	A spatially integrated framework for assessing socioecological drivers of carnivore decline. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 1393-1405	5.8	21
39	Model averaging in ecology: a review of Bayesian, information-theoretic, and tactical approaches for predictive inference. <i>Ecological Monographs</i> , <b>2018</b> , 88, 485-504	9	105
38	High Carbon Stock forests provide co-benefits for tropical biodiversity. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 997-1008	5.8	32
37	Traits influence detection of exotic plant species in tropical forests. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202254	3.7	5
36	Modelling of species distributions, range dynamics and communities under imperfect detection: advances, challenges and opportunities. <i>Ecography</i> , <b>2017</b> , 40, 281-295	6.5	200
35	Dealing with false-positive and false-negative errors about species occurrence at multiple levels. <i>Methods in Ecology and Evolution</i> , <b>2017</b> , 8, 1081-1091	7.7	62
34	Species occupancy estimation and imperfect detection: shall surveys continue after the first detection?. <i>ASTA Advances in Statistical Analysis</i> , <b>2017</b> , 101, 381-398	1	4
33	Graphical diagnostics for occupancy models with imperfect detection. <i>Methods in Ecology and Evolution</i> , <b>2017</b> , 8, 408-419	7.7	30
32	Model-based approaches to deal with detectability: a comment on Hutto (2016a). <i>Ecological Applications</i> , <b>2017</b> , 27, 1694-1698	4.9	9
31	Cross-validation strategies for data with temporal, spatial, hierarchical, or phylogenetic structure. <i>Ecography</i> , <b>2017</b> , 40, 913-929	6.5	566
30	Incorporating Imperfect Detection into Joint Models of Communities: A response to Warton et al. <i>Trends in Ecology and Evolution</i> , <b>2016</b> , 31, 736-737	10.9	32
29	Cost-efficient effort allocation for camera-trap occupancy surveys of mammals. <i>Biological Conservation</i> , <b>2016</b> , 204, 350-359	6.2	20
28	Statistical approaches to account for false-positive errors in environmental DNA samples. <i>Molecular Ecology Resources</i> , <b>2016</b> , 16, 673-85	8.4	115
27	Adaptive management for improving species conservation across the captive-wild spectrum. <i>Biological Conservation</i> , <b>2016</b> , 199, 123-131	6.2	29

26	Deep-sea diversity patterns are shaped by energy availability. <i>Nature</i> , <b>2016</b> , 533, 393-6	50.4	139
25	Threatened species impact assessments: survey effort requirements based on criteria for cumulative impacts. <i>Diversity and Distributions</i> , <b>2015</b> , 21, 620-630	5	6
24	Is my species distribution model fit for purpose? Matching data and models to applications. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 276-292	6.1	460
23	Valid auto-models for spatially autocorrelated occupancy and abundance data. <i>Methods in Ecology and Evolution</i> , <b>2015</b> , 6, 1137-1149	7.7	44
22	Accounting for detectability when surveying for rare or declining reptiles: Turning rocks to find the Grassland Earless Dragon in Australia. <i>Biological Conservation</i> , <b>2015</b> , 182, 53-62	6.2	17
21	When do we need more data? A primer on calculating the value of information for applied ecologists. <i>Methods in Ecology and Evolution</i> , <b>2015</b> , 6, 1219-1228	7.7	104
20	Maxent is not a presence-absence method: a comment on Thibaud et al.. <i>Methods in Ecology and Evolution</i> , <b>2014</b> , 5, 1192-1197	7.7	71
19	Imperfect detection impacts the performance of species distribution models. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 504-515	6.1	176
18	Two-Stage Bayesian Study Design for Species Occupancy Estimation. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , <b>2014</b> , 19, 278-291	1.9	8
17	Ignoring imperfect detection in biological surveys is dangerous: a response to Vitting and interpreting occupancy models. <i>PLoS ONE</i> , <b>2014</b> , 9, e99571	3.7	115
16	Optimal surveillance strategy for invasive species management when surveys stop after detection. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 1751-60	2.8	23
15	Analysing and mapping species range dynamics using occupancy models. <i>Journal of Biogeography</i> , <b>2013</b> , 40, 1463-1474	4.1	89
14	Cryptic mammals caught on camera: Assessing the utility of range wide camera trap data for conserving the endangered Asian tapir. <i>Biological Conservation</i> , <b>2013</b> , 162, 107-115	6.2	37
13	Models for species-detection data collected along transects in the presence of abundance-induced heterogeneity and clustering in the detection process. <i>Methods in Ecology and Evolution</i> , <b>2012</b> , 3, 358-367	7.7	16
12	Designing studies to detect differences in species occupancy: power analysis under imperfect detection. <i>Methods in Ecology and Evolution</i> , <b>2012</b> , 3, 860-869	7.7	103
11	When is a species declining? Optimizing survey effort to detect population changes in reptiles. <i>PLoS ONE</i> , <b>2012</b> , 7, e43387	3.7	37
10	Impact of sampling with replacement in occupancy studies with spatial replication. <i>Methods in Ecology and Evolution</i> , <b>2011</b> , 2, 401-406	7.7	37
9	Population status of a cryptic top predator: an island-wide assessment of tigers in Sumatran rainforests. <i>PLoS ONE</i> , <b>2011</b> , 6, e25931	3.7	48

8	Species Occupancy Modeling for Detection Data Collected Along a Transect. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , <b>2011</b> , 16, 301-317	1.9	54
7	Satellite imagery as a single source of predictor variables for habitat suitability modelling: how Landsat can inform the conservation of a critically endangered lemur. <i>Journal of Applied Ecology</i> , <b>2010</b> , 47, 1094-1102	5.8	31
6	Design of occupancy studies with imperfect detection. <i>Methods in Ecology and Evolution</i> , <b>2010</b> , 1, 131-139.	7	138
5	Monitoring tigers with confidence. <i>Integrative Zoology</i> , <b>2010</b> , 5, 342-350	1.9	11
4	Using occupancy as a state variable for monitoring the Critically Endangered Alaotran gentle lemur <i>Haplemur alaotrensis</i> . <i>Endangered Species Research</i> , <b>2010</b> , 11, 157-166	2.5	55
3	Predictive performance of presence-only species distribution models: a benchmark study with reproducible code. <i>Ecological Monographs</i> , e01486	9	17
2	Modelling species presence-only data with random forests. <i>Ecography</i> ,	6.5	9
1	blockCV: an R package for generating spatially or environmentally separated folds for k-fold cross-validation of species distribution models		6