

Jane Elith

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.

90 papers	35,284 citations	59 h-index	92 g-index
92 ext. papers	42,247 ext. citations	5.6 avg, IF	7.41 L-index

#	Paper	IF	Citations
90	Can dynamic occupancy models improve predictions of species' range dynamics? A test using Swiss birds. <i>Global Change Biology</i> , 2021 , 27, 4269-4282	11.4	3
89	How decisions about fitting species distribution models affect conservation outcomes. <i>Conservation Biology</i> , 2021 , 35, 1309-1320	6	7
88	Enhancing repository fungal data for biogeographic analyses. <i>Fungal Ecology</i> , 2021 , 53, 101097	4.1	0
87	A standard protocol for reporting species distribution models. <i>Ecography</i> , 2020 , 43, 1261-1277	6.5	141
86	Using Species Distribution Models For Fungi. <i>Fungal Biology Reviews</i> , 2020 , 34, 74-88	6.8	17
85	Testing whether ensemble modelling is advantageous for maximising predictive performance of species distribution models. <i>Ecography</i> , 2020 , 43, 549-558	6.5	65
84	Presence-only and Presence-absence Data for Comparing Species Distribution Modeling Methods. <i>Biodiversity Informatics</i> , 2020 , 15, 69-80	2.9	13
83	A review of evidence about use and performance of species distribution modelling ensembles like BIOMOD. <i>Diversity and Distributions</i> , 2019 , 25, 839-852	5	116
82	The influence of data source and species distribution modelling method on spatial conservation priorities. <i>Diversity and Distributions</i> , 2019 , 25, 1060-1073	5	10
81	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
80	Forecasting species range dynamics with process-explicit models: matching methods to applications. <i>Ecology Letters</i> , 2019 , 22, 1940-1956	10	72
79	Open access solutions for biodiversity journals: Do not replace one problem with another. <i>Diversity and Distributions</i> , 2019 , 25, 5-8	5	10
78	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> , 2019 , 10, 225-232	7.7	125
77	A comparison of resampling methods for remote sensing classification and accuracy assessment. <i>Remote Sensing of Environment</i> , 2018 , 208, 145-153	13.2	96
76	Model averaging in ecology: a review of Bayesian, information-theoretic, and tactical approaches for predictive inference. <i>Ecological Monographs</i> , 2018 , 88, 485-504	9	105
75	Outstanding Challenges in the Transferability of Ecological Models. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 790-802	10.9	213
74	Building essential biodiversity variables (EBVs) of species distribution and abundance at a global scale. <i>Biological Reviews</i> , 2018 , 93, 600-625	13.5	145

73	Not all data are equal: Influence of data type and amount in spatial conservation prioritisation. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 2249-2261	7.7	25
72	Cross-validation strategies for data with temporal, spatial, hierarchical, or phylogenetic structure. <i>Ecography</i> , 2017 , 40, 913-929	6.5	566
71	Evaluating 318 continental-scale species distribution models over a 60-year prediction horizon: what factors influence the reliability of predictions?. <i>Global Ecology and Biogeography</i> , 2017 , 26, 371-384	6.1	57
70	Green Infrastructure Design Based on Spatial Conservation Prioritization and Modeling of Biodiversity Features and Ecosystem Services. <i>Environmental Management</i> , 2016 , 57, 251-6	3.1	76
69	Green Infrastructure Design Based on Spatial Conservation Prioritization and Modeling of Biodiversity Features and Ecosystem Services 2016 , 57, 251		1
68	Testing a model of biological soil crust succession. <i>Journal of Vegetation Science</i> , 2016 , 27, 176-186	3.1	11
67	Point process models for presence-only analysis. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 366-379	7.7	211
66	Is my species distribution model fit for purpose? Matching data and models to applications. <i>Global Ecology and Biogeography</i> , 2015 , 24, 276-292	6.1	460
65	Interactive effects of climate change and fire on metapopulation viability of a forest-dependent frog in south-eastern Australia. <i>Biological Conservation</i> , 2015 , 190, 142-153	6.2	6
64	Bias correction in species distribution models: pooling survey and collection data for multiple species. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 424-438	7.7	225
63	Detecting extinction risk from climate change by IUCN Red List criteria. <i>Conservation Biology</i> , 2014 , 28, 810-9	6	54
62	What do we gain from simplicity versus complexity in species distribution models?. <i>Ecography</i> , 2014 , 37, 1267-1281	6.5	301
61	Maxent is not a presence-absence method: a comment on Thibaud et al.. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 1192-1197	7.7	71
60	Biocrust morphogroups provide an effective and rapid assessment tool for drylands. <i>Journal of Applied Ecology</i> , 2014 , 51, 1740-1749	5.8	13
59	Predicting distribution changes of a mire ecosystem under future climates. <i>Diversity and Distributions</i> , 2014 , 20, 440-454	5	22
58	Species Distribution Modeling 2013 , 692-705		38
57	Taxonomic uncertainty and decision making for biosecurity: spatial models for myrtle/guava rust. <i>Australasian Plant Pathology</i> , 2013 , 42, 43-51	1.4	34
56	Collinearity: a review of methods to deal with it and a simulation study evaluating their performance. <i>Ecography</i> , 2013 , 36, 27-46	6.5	4125

55	On estimating probability of presence from use-availability or presence-background data. <i>Ecology</i> , 2013 , 94, 1409-19	4.6	97
54	Improving decisions for invasive species management: reformulation and extensions of the Panetta-Lawes eradication graph. <i>Diversity and Distributions</i> , 2013 , 19, 603-607	5	11
53	Predicting species distributions for conservation decisions. <i>Ecology Letters</i> , 2013 , 16, 1424-35	10	985
52	Satellite surface reflectance improves habitat distribution mapping: a case study on heath and shrub formations in the Cantabrian Mountains (NW Spain). <i>Diversity and Distributions</i> , 2012 , 18, 588-602	5	35
51	Predicting to new environments: tools for visualizing model behaviour and impacts on mapped distributions. <i>Diversity and Distributions</i> , 2012 , 18, 628-634	5	80
50	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
49	Spatial data for modelling and management of freshwater ecosystems. <i>International Journal of Geographical Information Science</i> , 2012 , 26, 2123-2140	4.1	14
48	Understanding niche shifts: using current and historical data to model the invasive redlegged earth mite, <i>Halotydeus destructor</i> . <i>Diversity and Distributions</i> , 2012 , 18, 191-203	5	43
47	Pushing the limits in marine species distribution modelling: lessons from the land present challenges and opportunities. <i>Global Ecology and Biogeography</i> , 2011 , 20, 789-802	6.1	273
46	Determinants of reproductive success in dominant pairs of clownfish: a boosted regression tree analysis. <i>Journal of Animal Ecology</i> , 2011 , 80, 528-38	4.7	137
45	Use of generalised dissimilarity modelling to improve the biological discrimination of river and stream classifications. <i>Freshwater Biology</i> , 2011 , 56, 21-38	3.1	78
44	A statistical explanation of MaxEnt for ecologists. <i>Diversity and Distributions</i> , 2011 , 17, 43-57	5	3194
43	Surprisingly fast recovery of biological soil crusts following livestock removal in southern Australia. <i>Journal of Vegetation Science</i> , 2011 , 22, 905-916	3.1	43
42	Alien invaders and reptile traders: what drives the live animal trade in South Africa?. <i>Animal Conservation</i> , 2010 , 13, 24-32	3.2	36
41	Assessing the impacts of climate change and land transformation on <i>Banksia</i> in the South West Australian Floristic Region. <i>Diversity and Distributions</i> , 2010 , 16, 187-201	5	81
40	The art of modelling range-shifting species. <i>Methods in Ecology and Evolution</i> , 2010 , 1, 330-342	7.7	1435
39	POC plots: calibrating species distribution models with presence-only data. <i>Ecology</i> , 2010 , 91, 2476-84	4.6	96
38	Presence-only data and the em algorithm. <i>Biometrics</i> , 2009 , 65, 554-63	1.8	161

37	Do they? How do they? WHY do they differ? On finding reasons for differing performances of species distribution models. <i>Ecography</i> , 2009 , 32, 66-77	6.5	703
36	Projecting climate change impacts on species distributions in megadiverse South African Cape and Southwest Australian Floristic Regions: Opportunities and challenges. <i>Austral Ecology</i> , 2009 , 35, 374-391	1.5	72
35	Species Distribution Models: Ecological Explanation and Prediction Across Space and Time. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2009 , 40, 677-697	13.5	3525
34	Sample selection bias and presence-only distribution models: implications for background and pseudo-absence data 2009 , 19, 181-97		1542
33	Robust planning for restoring diadromous fish species in New Zealand's lowland rivers and streams. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2009 , 43, 659-671	1.3	8
32	Effects of sample size on the performance of species distribution models. <i>Diversity and Distributions</i> , 2008 , 14, 763-773	5	1344
31	A method for spatial freshwater conservation prioritization. <i>Freshwater Biology</i> , 2008 , 53, 577-592	3.1	155
30	A working guide to boosted regression trees. <i>Journal of Animal Ecology</i> , 2008 , 77, 802-13	4.7	3429
29	Dispersal, disturbance and the contrasting biogeographies of New Zealand's diadromous and non-diadromous fish species. <i>Journal of Biogeography</i> , 2008 , 35, 1481-1497	4.1	113
28	Novel methods for the design and evaluation of marine protected areas in offshore waters. <i>Conservation Letters</i> , 2008 , 1, 91-102	6.9	133
27	Biological soil crust distribution is related to patterns of fragmentation and landuse in a dryland agricultural landscape of southern Australia. <i>Landscape Ecology</i> , 2008 , 23, 1093-1105	4.3	39
26	WHAT MATTERS FOR PREDICTING THE OCCURRENCES OF TREES: TECHNIQUES, DATA, OR SPECIES' CHARACTERISTICS?. <i>Ecological Monographs</i> , 2007 , 77, 615-630	9	252
25	The influence of spatial errors in species occurrence data used in distribution models. <i>Journal of Applied Ecology</i> , 2007 , 45, 239-247	5.8	307
24	Predicting species distributions from museum and herbarium records using multiresponse models fitted with multivariate adaptive regression splines. <i>Diversity and Distributions</i> , 2007 , 13, 265-275	5	211
23	Using generalized dissimilarity modelling to analyse and predict patterns of beta diversity in regional biodiversity assessment. <i>Diversity and Distributions</i> , 2007 , 13, 252-264	5	581
22	Sensitivity of predictive species distribution models to change in grain size. <i>Diversity and Distributions</i> , 2007 , 13, 332-340	5	373
21	Comparative performance of generalized additive models and multivariate adaptive regression splines for statistical modelling of species distributions. <i>Ecological Modelling</i> , 2006 , 199, 188-196	3	294
20	Comparing species abundance models. <i>Ecological Modelling</i> , 2006 , 199, 153-163	3	243

19	Planning for robust reserve networks using uncertainty analysis. <i>Ecological Modelling</i> , 2006 , 199, 115-124		80
18	Novel methods improve prediction of species distributions from occurrence data. <i>Ecography</i> , 2006 , 29, 129-151	6.5	5184
17	Uncertainty analysis for regional-scale reserve selection. <i>Conservation Biology</i> , 2006 , 20, 1688-97	6	73
16	Error and uncertainty in habitat models. <i>Journal of Applied Ecology</i> , 2006 , 43, 413-423	5.8	398
15	Variation in demersal fish species richness in the oceans surrounding New Zealand: an analysis using boosted regression trees. <i>Marine Ecology - Progress Series</i> , 2006 , 321, 267-281	2.6	379
14	MANAGING LANDSCAPES FOR CONSERVATION UNDER UNCERTAINTY. <i>Ecology</i> , 2005 , 86, 2007-2017	4.6	126
13	Sensitivity of conservation planning to different approaches to using predicted species distribution data. <i>Biological Conservation</i> , 2005 , 122, 99-112	6.2	217
12	Fauna habitat modelling and mapping: A review and case study in the Lower Hunter Central Coast region of NSW. <i>Austral Ecology</i> , 2005 , 30, 719-738	1.5	209
11	Using multivariate adaptive regression splines to predict the distributions of New Zealand's freshwater diadromous fish. <i>Freshwater Biology</i> , 2005 , 50, 2034-2052	3.1	229
10	The evaluation strip: A new and robust method for plotting predicted responses from species distribution models. <i>Ecological Modelling</i> , 2005 , 186, 280-289	3	134
9	Eliciting and integrating expert knowledge for wildlife habitat modelling. <i>Ecological Modelling</i> , 2003 , 165, 251-264	3	83
8	Mapping epistemic uncertainties and vague concepts in predictions of species distribution. <i>Ecological Modelling</i> , 2002 , 157, 313-329	3	183
7	Quantitative Methods for Modeling Species Habitat: Comparative Performance and an Application to Australian Plants 2000 , 39-58		92
6	Predicting Distributions of Invasive Species93-129		17
5	Tools for Conserving Managing Individual Plant Species in Dynamic Landscapes330-342		1
4	Predictive performance of presence-only species distribution models: a benchmark study with reproducible code. <i>Ecological Monographs</i> ,e01486	9	17
3	Modelling species presence-only data with random forests. <i>Ecography</i> ,	6.5	9
2	blockCV: an R package for generating spatially or environmentally separated folds for k-fold cross-validation of species distribution models		6

1	Response to Kriticos et al.. <i>NeoBiota</i> ,23, 95-99	4.2
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