Jane Elith

List of Publications by Year in Descending Order

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. *Global Change Biology*, **2021**, 27, 4269-4282	11.4	3
89	How decisions about fitting species distribution models affect conservation outcomes. *Conservation Biology*, **2021**, 35, 1309-1320	6	7
88	Enhancing repository fungal data for biogeographic analyses. *Fungal Ecology*, **2021**, 53, 101097	4.1	0
87	A standard protocol for reporting species distribution models. *Ecography*, **2020**, 43, 1261-1277	6.5	141
86	Using Species Distribution Models For Fungi. *Fungal Biology Reviews*, **2020**, 34, 74-88	6.8	17
85	Testing whether ensemble modelling is advantageous for maximising predictive performance of species distribution models. *Ecography*, **2020**, 43, 549-558	6.5	65
84	Presence-only and Presence-absence Data for Comparing Species Distribution Modeling Methods. *Biodiversity Informatics*, **2020**, 15, 69-80	2.9	13
83	A review of evidence about use and performance of species distribution modelling ensembles like BIOMOD. *Diversity and Distributions*, **2019**, 25, 839-852	5	116
82	The influence of data source and species distribution modelling method on spatial conservation priorities. *Diversity and Distributions*, **2019**, 25, 1060-1073	5	10
81	A comprehensive evaluation of predictive performance of 33 species distribution models at species and community levels. *Ecological Monographs*, **2019**, 89, e01370	9	135
80	Forecasting species range dynamics with process-explicit models: matching methods to applications. *Ecology Letters*, **2019**, 22, 1940-1956	10	72
79	Open access solutions for biodiversity journals: Do not replace one problem with another. *Diversity and Distributions*, **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. *Methods in Ecology and Evolution*, **2019**, 10, 225-232	7.7	125
77	A comparison of resampling methods for remote sensing classification and accuracy assessment. *Remote Sensing of Environment*, **2018**, 208, 145-153	13.2	96
76	Model averaging in ecology: a review of Bayesian, information-theoretic, and tactical approaches for predictive inference. *Ecological Monographs*, **2018**, 88, 485-504	9	105
75	Outstanding Challenges in the Transferability of Ecological Models. *Trends in Ecology and Evolution*, **2018**, 33, 790-802	10.9	213
74	Building essential biodiversity variables (EBVs) of species distribution and abundance at a global scale. *Biological Reviews*, **2018**, 93, 600-625	13.5	145

No.	Reference	IF	Cites
73	Not all data are equal: Influence of data type and amount in spatial conservation prioritisation. *Methods in Ecology and Evolution*, **2018**, 9, 2249-2261	7.7	25
72	Cross-validation strategies for data with temporal, spatial, hierarchical, or phylogenetic structure. *Ecography*, **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?. *Global Ecology and Biogeography*, **2017**, 26, 371-384	6.1	57
70	Green Infrastructure Design Based on Spatial Conservation Prioritization and Modeling of Biodiversity Features and Ecosystem Services. *Environmental Management*, **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. *Journal of Vegetation Science*, **2016**, 27, 176-186	3.1	11
67	Point process models for presence-only analysis. *Methods in Ecology and Evolution*, **2015**, 6, 366-379	7.7	211
66	Is my species distribution model fit for purpose? Matching data and models to applications. *Global Ecology and Biogeography*, **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. *Biological Conservation*, **2015**, 190, 142-153	6.2	6
64	Bias correction in species distribution models: pooling survey and collection data for multiple species. *Methods in Ecology and Evolution*, **2015**, 6, 424-438	7.7	225
63	Detecting extinction risk from climate change by IUCN Red List criteria. *Conservation Biology*, **2014**, 28, 810-9	6	54
62	What do we gain from simplicity versus complexity in species distribution models?. *Ecography*, **2014**, 37, 1267-1281	6.5	301
61	Maxent is not a presence-absence method: a comment on Thibaud et al.. *Methods in Ecology and Evolution*, **2014**, 5, 1192-1197	7.7	71
60	Biocrust morphogroups provide an effective and rapid assessment tool for drylands. *Journal of Applied Ecology*, **2014**, 51, 1740-1749	5.8	13
59	Predicting distribution changes of a mire ecosystem under future climates. *Diversity and Distributions*, **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. *Australasian Plant Pathology*, **2013**, 42, 43-51	1.4	34
56	Collinearity: a review of methods to deal with it and a simulation study evaluating their performance. *Ecography*, **2013**, 36, 27-46	6.5	4125

55	On estimating probability of presence from use-availability or presence-background data. *Ecology*, **2013**, 94, 1409-19	4.6	97
54	Improving decisions for invasive species management: reformulation and extensions of the Panetta–Lawes eradication graph. *Diversity and Distributions*, **2013**, 19, 603-607	5	11
53	Predicting species distributions for conservation decisions. *Ecology Letters*, **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). *Diversity and Distributions*, **2012**, 18, 588-602	5	35
51	Predicting to new environments: tools for visualizing model behaviour and impacts on mapped distributions. *Diversity and Distributions*, **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?. *Global Change Biology*, **2012**, 18, 1357-1371	11.4	155
49	Spatial data for modelling and management of freshwater ecosystems. *International Journal of Geographical Information Science*, **2012**, 26, 2123-2140	4.1	14
48	Understanding niche shifts: using current and historical data to model the invasive redlegged earth mite, Halotydeus destructor. *Diversity and Distributions*, **2012**, 18, 191-203	5	43
47	Pushing the limits in marine species distribution modelling: lessons from the land present challenges and opportunities. *Global Ecology and Biogeography*, **2011**, 20, 789-802	6.1	273
46	Determinants of reproductive success in dominant pairs of clownfish: a boosted regression tree analysis. *Journal of Animal Ecology*, **2011**, 80, 528-38	4.7	137
45	Use of generalised dissimilarity modelling to improve the biological discrimination of river and stream classifications. *Freshwater Biology*, **2011**, 56, 21-38	3.1	78
44	A statistical explanation of MaxEnt for ecologists. *Diversity and Distributions*, **2011**, 17, 43-57	5	3194
43	Surprisingly fast recovery of biological soil crusts following livestock removal in southern Australia. *Journal of Vegetation Science*, **2011**, 22, 905-916	3.1	43
42	Alien invaders and reptile traders: what drives the live animal trade in South Africa?. *Animal Conservation*, **2010**, 13, 24-32	3.2	36
41	Assessing the impacts of climate change and land transformation on Banksia in the South West Australian Floristic Region. *Diversity and Distributions*, **2010**, 16, 187-201	5	81
40	The art of modelling range-shifting species. *Methods in Ecology and Evolution*, **2010**, 1, 330-342	7.7	1435
39	POC plots: calibrating species distribution models with presence-only data. *Ecology*, **2010**, 91, 2476-84	4.6	96
38	Presence-only data and the em algorithm. *Biometrics*, **2009**, 65, 554-63	1.8	161

19 Planning for robust reserve networks using uncertainty analysis. *Ecological Modelling*, **2006**, 199, 115-124   5   80

18 Novel methods improve prediction of species distributions from occurrence data. *Ecography*, **2006**, 29, 129-151   6.5   5184

17 Uncertainty analysis for regional-scale reserve selection. *Conservation Biology*, **2006**, 20, 1688-97   6   73

16 Error and uncertainty in habitat models. *Journal of Applied Ecology*, **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. *Marine Ecology - Progress Series*, **2006**, 321, 267-281   2.6   379

14 MANAGING LANDSCAPES FOR CONSERVATION UNDER UNCERTAINTY. *Ecology*, **2005**, 86, 2007-2017   4.6   126

13 Sensitivity of conservation planning to different approaches to using predicted species distribution data. *Biological Conservation*, **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. *Austral Ecology*, **2005**, 30, 719-738   1.5   209

11 Using multivariate adaptive regression splines to predict the distributions of New Zealand's freshwater diadromous fish. *Freshwater Biology*, **2005**, 50, 2034-2052   3.1   229

10 The evaluation strip: A new and robust method for plotting predicted responses from species distribution models. *Ecological Modelling*, **2005**, 186, 280-289   3   134

9 Eliciting and integrating expert knowledge for wildlife habitat modelling. *Ecological Modelling*, **2003**, 165, 251-264   3   83

8 Mapping epistemic uncertainties and vague concepts in predictions of species distribution. *Ecological Modelling*, **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 Species 93-129   17

5 Tools for Conserving Managing Individual Plant Species in Dynamic Landscapes 330-342   1

4 Predictive performance of presence-only species distribution models: a benchmark study with reproducible code. *Ecological Monographs*, e01486   9   17

3 Modelling species presence-only data with random forests. *Ecography*,   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.. *NeoBiota*,23, 95-99   4.2

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