Jane Elith

List of Publications by Year
in descending order

88 papers	**49,149** citations	22548 **61** h-index	64407 **83** g-index
92 all docs	**92** docs citations	**92** times ranked	**41867** citing authors

#	Article	IF	Citations
1	Predictive performance of presence‐only species distribution models: a benchmark study with reproducible code. Ecological Monographs, 2022, 92, e01486.	2.4	195
2	How decisions about fitting species distribution models affect conservation outcomes. Conservation Biology, 2021, 35, 1309-1320.	2.4	30
3	Can dynamic occupancy models improve predictions of species' range dynamics? A test using Swiss birds. Global Change Biology, 2021, 27, 4269-4282.	4.2	18
4	Enhancing repository fungal data for biogeographic analyses. Fungal Ecology, 2021, 53, 101097.	0.7	5
5	Modelling species presence‐only data with random forests. Ecography, 2021, 44, 1731-1742.	2.1	77
6	Presence-only and Presence-absence Data for Comparing Species Distribution Modeling Methods. Biodiversity Informatics, 2020, 15, 69-80.	3.0	38
7	A standard protocol for reporting species distribution models. Ecography, 2020, 43, 1261-1277.	2.1	397
8	Using Species Distribution Models For Fungi. Fungal Biology Reviews, 2020, 34, 74-88.	1.9	31
9	Testing whether ensemble modelling is advantageous for maximising predictive performance of species distribution models. Ecography, 2020, 43, 549-558.	2.1	186
10	Forecasting species range dynamics with process‐explicit models: matching methods to applications. Ecology Letters, 2019, 22, 1940-1956.	3.0	144
11	A review of evidence about use and performance of species distribution modelling ensembles like BIOMOD. Diversity and Distributions, 2019, 25, 839-852.	1.9	279
12	The influence of data source and species distribution modelling method on spatial conservation priorities. Diversity and Distributions, 2019, 25, 1060-1073.	1.9	17
13	A comprehensive evaluation of predictive performance of 33 species distribution models at species and community levels. Ecological Monographs, 2019, 89, e01370.	2.4	290
14	Open access solutions for biodiversity journals: Do not replace one problem with another. Diversity and Distributions, 2019, 25, 5-8.	1.9	19
15	block CV: 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.	2.2	299
16	A comparison of resampling methods for remote sensing classification and accuracy assessment. Remote Sensing of Environment, 2018, 208, 145-153.	4.6	163
17	Model averaging in ecology: a review of Bayesian, information‐theoretic, and tactical approaches for predictive inference. Ecological Monographs, 2018, 88, 485-504.	2.4	209
18	Building essential biodiversity variables (EBVs) of species distribution and abundance at a global scale. Biological Reviews, 2018, 93, 600-625.	4.7	218

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19	Not all data are equal: Influence of data type and amount in spatial conservation prioritisation. Methods in Ecology and Evolution, 2018, 9, 2249-2261.	2.2	52
20	Outstanding Challenges in the Transferability of Ecological Models. Trends in Ecology and Evolution, 2018, 33, 790-802.	4.2	403
21	Crossâ€validation strategies for data with temporal, spatial, hierarchical, or phylogenetic structure. Ecography, 2017, 40, 913-929.	2.1	1,092
22	Predicting Distributions of Invasive Species. , 2017, , 93-129.		33
23	Evaluating 318 continentalâ€scale species distribution models over a 60â€year prediction horizon: what factors influence the reliability of predictions?. Global Ecology and Biogeography, 2017, 26, 371-384.	2.7	81
24	Testing a model of biological soil crust succession. Journal of Vegetation Science, 2016, 27, 176-186.	1.1	17
25	Green Infrastructure Design Based on Spatial Conservation Prioritization and Modeling of Biodiversity Features and Ecosystem Services. Environmental Management, 2016, 57, 251-256.	1.2	88
26	Green Infrastructure Design Based on Spatial Conservation Prioritization and Modeling of Biodiversity Features and Ecosystem Services. , 2016, 57, 251.		1
27	Point process models for presenceâ€only analysis. Methods in Ecology and Evolution, 2015, 6, 366-379.	2.2	319
28	Is my species distribution model fit for purpose? Matching data and models to applications. Global Ecology and Biogeography, 2015, 24, 276-292.	2.7	661
29	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.	1.9	11
30	Bias correction in species distribution models: pooling survey and collection data for multiple species. Methods in Ecology and Evolution, 2015, 6, 424-438.	2.2	333
31	Predicting distribution changes of a mire ecosystem under future climates. Diversity and Distributions, 2014, 20, 440-454.	1.9	34
32	Detecting Extinction Risk from Climate Change by IUCN Red List Criteria. Conservation Biology, 2014, 28, 810-819.	2.4	77
33	What do we gain from simplicity versus complexity in species distribution models?. Ecography, 2014, 37, 1267-1281.	2.1	438
34	Maxent is not a presenceâ€"absence method: a comment on Thibaud *et al*.. Methods in Ecology and Evolution, 2014, 5, 1192-1197.	2.2	113
35	Biocrust morphogroups provide an effective and rapid assessment tool for drylands. Journal of Applied Ecology, 2014, 51, 1740-1749.	1.9	18
36	Species Distribution Modeling. , 2013, , 692-705.		73

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37	Taxonomic uncertainty and decision making for biosecurity: spatial models for myrtle/guava rust. Australasian Plant Pathology, 2013, 42, 43-51.	0.5	40
38	Collinearity: a review of methods to deal with it and a simulation study evaluating their performance. Ecography, 2013, 36, 27-46.	2.1	6,250
39	On estimating probability of presence from use–availability or presence–background data. Ecology, 2013, 94, 1409-1419.	1.5	122
40	Improving decisions for invasive species management: reformulation and extensions of the <scp>P</scp>anetta–<scp>L</scp>awes eradication graph. Diversity and Distributions, 2013, 19, 603-607.	1.9	16
41	Predicting species distributions for conservation decisions. Ecology Letters, 2013, 16, 1424-1435.	3.0	1,375
42	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.	1.9	43
43	Predicting to new environments: tools for visualizing model behaviour and impacts on mapped distributions. Diversity and Distributions, 2012, 18, 628-634.	1.9	136
44	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.	4.2	182
45	Spatial data for modelling and management of freshwater ecosystems. International Journal of Geographical Information Science, 2012, 26, 2123-2140.	2.2	19
46	Understanding niche shifts: using current and historical data to model the invasive redlegged earth mite, *Halotydeus destructor*. Diversity and Distributions, 2012, 18, 191-203.	1.9	54
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.	2.7	355
48	Determinants of reproductive success in dominant pairs of clownfish: a boosted regression tree analysis. Journal of Animal Ecology, 2011, 80, 528-538.	1.3	159
49	Use of generalised dissimilarity modelling to improve the biological discrimination of river and stream classifications. Freshwater Biology, 2011, 56, 21-38.	1.2	88
50	A statistical explanation of MaxEnt for ecologists. Diversity and Distributions, 2011, 17, 43-57.	1.9	4,420
51	Surprisingly fast recovery of biological soil crusts following livestock removal in southern Australia. Journal of Vegetation Science, 2011, 22, 905-916.	1.1	52
52	Projecting climate change impacts on species distributions in megadiverse South African Cape and Southwest Australian Floristic Regions: Opportunities and challenges. Austral Ecology, 2010, 35, 374-391.	0.7	86
53	Alien invaders and reptile traders: what drives the live animal trade in South Africa?. Animal Conservation, 2010, 13, 24-32.	1.5	47
54	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.	1.9	98

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55	The art of modelling range-shifting species. Methods in Ecology and Evolution, 2010, 1, 330-342.	2.2	1,945
56	POC plots: calibrating species distribution models with presence–only data. Ecology, 2010, 91, 2476-2484.	1.5	133
57	Presence–Only Data and the EM Algorithm. Biometrics, 2009, 65, 554-563.	0.8	201
58	Do they? How do they? WHY do they differ? On finding reasons for differing performances of species distribution models. Ecography, 2009, 32, 66-77.	2.1	844
59	Species Distribution Models: Ecological Explanation and Prediction Across Space and Time. Annual Review of Ecology, Evolution, and Systematics, 2009, 40, 677-697.	3.8	4,747
60	Sample selection bias and presence–only distribution models: implications for background and pseudo–absence data. Ecological Applications, 2009, 19, 181-197.	1.8	2,121
61	Robust planning for restoring diadromous fish species in New Zealand's lowland rivers and streams. New Zealand Journal of Marine and Freshwater Research, 2009, 43, 659-671.	0.8	10
62	The influence of spatial errors in species occurrence data used in distribution models. Journal of Applied Ecology, 2008, 45, 239-247.	1.9	401
63	Biological soil crust distribution is related to patterns of fragmentation and landuse in a dryland agricultural landscape of southern Australia. Landscape Ecology, 2008, 23, 1093-1105.	1.9	44
64	Effects of sample size on the performance of species distribution models. Diversity and Distributions, 2008, 14, 763-773.	1.9	1,771
65	A method for spatial freshwater conservation prioritization. Freshwater Biology, 2008, 53, 577-592.	1.2	184
66	A working guide to boosted regression trees. Journal of Animal Ecology, 2008, 77, 802-813.	1.3	4,623
67	Dispersal, disturbance and the contrasting biogeographies of New Zealand's diadromous and non–diadromous fish species. Journal of Biogeography, 2008, 35, 1481-1497.	1.4	123
68	Novel methods for the design and evaluation of marine protected areas in offshore waters. Conservation Letters, 2008, 1, 91-102.	2.8	171
69	WHAT MATTERS FOR PREDICTING THE OCCURRENCES OF TREES: TECHNIQUES, DATA, OR SPECIES' CHARACTERISTICS?. Ecological Monographs, 2007, 77, 615-630.	2.4	293
70	Predicting species distributions from museum and herbarium records using multiresponse models fitted with multivariate adaptive regression splines. Diversity and Distributions, 2007, 13, 265-275.	1.9	256
71	Using generalized dissimilarity modelling to analyse and predict patterns of beta diversity in regional biodiversity assessment. Diversity and Distributions, 2007, 13, 252-264.	1.9	765
72	Sensitivity of predictive species distribution models to change in grain size. Diversity and Distributions, 2007, 13, 332-340.	1.9	445

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73	Novel methods improve prediction of species' distributions from occurrence data. Ecography, 2006, 29, 129-151.	2.1	6,691
74	Uncertainty Analysis for Regional-Scale Reserve Selection. Conservation Biology, 2006, 20, 1688-1697.	2.4	78
75	Error and uncertainty in habitat models. Journal of Applied Ecology, 2006, 43, 413-423.	1.9	474
76	Comparative performance of generalized additive models and multivariate adaptive regression splines for statistical modelling of species distributions. Ecological Modelling, 2006, 199, 188-196.	1.2	368
77	Comparing species abundance models. Ecological Modelling, 2006, 199, 153-163.	1.2	289
78	Planning for robust reserve networks using uncertainty analysis. Ecological Modelling, 2006, 199, 115-124.	1.2	95
79	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.	0.9	465
80	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.	0.7	248
81	Using multivariate adaptive regression splines to predict the distributions of New Zealand's freshwater diadromous fish. Freshwater Biology, 2005, 50, 2034-2052.	1.2	273
82	The evaluation strip: A new and robust method for plotting predicted responses from species distribution models. Ecological Modelling, 2005, 186, 280-289.	1.2	202
83	MANAGING LANDSCAPES FOR CONSERVATION UNDER UNCERTAINTY. Ecology, 2005, 86, 2007-2017.	1.5	152
84	Sensitivity of conservation planning to different approaches to using predicted species distribution data. Biological Conservation, 2005, 122, 99-112.	1.9	246
85	Eliciting and integrating expert knowledge for wildlife habitat modelling. Ecological Modelling, 2003, 165, 251-264.	1.2	96
86	Mapping epistemic uncertainties and vague concepts in predictions of species distribution. Ecological Modelling, 2002, 157, 313-329.	1.2	221
87	Quantitative Methods for Modeling Species Habitat: Comparative Performance and an Application to Australian Plants. , 2000, , 39-58.		155
88	Response to Kriticos et al.. NeoBiota, 0, 23, 95-99.	1.0	0