

Jane A Catford

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

6,072
citations

147801

31
h-index

85541

71
g-index

90
all docs

90
docs citations

90
times ranked

8711
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
2	Reducing redundancy in invasion ecology by integrating hypotheses into a single theoretical framework. <i>Diversity and Distributions</i> , 2009, 15, 22-40.	4.1	805
3	Multiple facets of biodiversity drive the diversity–stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	7.8	296
4	Riparian Ecosystems in the 21st Century: Hotspots for Climate Change Adaptation?. <i>Ecosystems</i> , 2013, 16, 359-381.	3.4	275
5	The intermediate disturbance hypothesis and plant invasions: Implications for species richness and management. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2012, 14, 231-241.	2.7	271
6	Quantifying levels of biological invasion: towards the objective classification of invaded and invulnerable ecosystems. <i>Global Change Biology</i> , 2012, 18, 44-62.	9.5	212
7	Non-natives: 141 scientists object. <i>Nature</i> , 2011, 475, 36-36.	27.8	197
8	Global economic costs of aquatic invasive alien species. <i>Science of the Total Environment</i> , 2021, 775, 145238.	8.0	183
9	Flow regulation reduces native plant cover and facilitates exotic invasion in riparian wetlands. <i>Journal of Applied Ecology</i> , 2011, 48, 432-442.	4.0	153
10	A conceptual map of invasion biology: Integrating hypotheses into a consensus network. <i>Global Ecology and Biogeography</i> , 2020, 29, 978-991.	5.8	150
11	Addressing context dependence in ecology. <i>Trends in Ecology and Evolution</i> , 2022, 37, 158-170.	8.7	119
12	Does the biogeographic origin of species matter? Ecological effects of native and non-native species and the use of origin to guide management. <i>Journal of Ecology</i> , 2016, 104, 4-17.	4.0	109
13	Drowned, buried and carried away: effects of plant traits on the distribution of native and alien species in riparian ecosystems. <i>New Phytologist</i> , 2014, 204, 19-36.	7.3	108
14	Global gene flow releases invasive plants from environmental constraints on genetic diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4218-4227.	7.1	108
15	Traits linked with species invasiveness and community invasibility vary with time, stage and indicator of invasion in a long-term grassland experiment. <i>Ecology Letters</i> , 2019, 22, 593-604.	6.4	103
16	Four priority areas to advance invasion science in the face of rapid environmental change. <i>Environmental Reviews</i> , 2021, 29, 119-141.	4.5	98
17	Species and environmental characteristics point to flow regulation and drought as drivers of riparian plant invasion. <i>Diversity and Distributions</i> , 2014, 20, 1084-1096.	4.1	97
18	Hotspots of plant invasion predicted by propagule pressure and ecosystem characteristics. <i>Diversity and Distributions</i> , 2011, 17, 1099-1110.	4.1	95

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19	The results of biodiversityâ€™ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , 2020, 4, 1485-1494.	7.8	93
20	Global root traits (GRooT) database. <i>Global Ecology and Biogeography</i> , 2021, 30, 25-37.	5.8	90
21	New pasture plants intensify invasive species risk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16622-16627.	7.1	85
22	Invasion syndromes: a systematic approach for predicting biological invasions and facilitating effective management. <i>Biological Invasions</i> , 2020, 22, 1801-1820.	2.4	83
23	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021, 8, 254.	5.3	73
24	What are the economic costs of biological invasions? A complex topic requiring international and interdisciplinary expertise. <i>NeoBiota</i> , 0, 63, 25-37.	1.0	70
25	MAcroecological Framework for Invasive Aliens (MAFIA): disentangling large-scale context dependence in biological invasions. <i>NeoBiota</i> , 0, 62, 407-461.	1.0	66
26	Introduced species that overcome life history tradeoffs can cause native extinctions. <i>Nature Communications</i> , 2018, 9, 2131.	12.8	64
27	Predicting Novel Riparian Ecosystems in a Changing Climate. <i>Ecosystems</i> , 2013, 16, 382-400.	3.4	63
28	Disentangling the four demographic dimensions of species invasiveness. <i>Journal of Ecology</i> , 2016, 104, 1745-1758.	4.0	55
29	Inhibitory effects of <i>Eucalyptus globulus</i> on understory plant growth and species richness are greater in nonâ€™native regions. <i>Global Ecology and Biogeography</i> , 2018, 27, 68-76.	5.8	52
30	Dimensions of invasiveness: Links between local abundance, geographic range size, and habitat breadth in Europeâ€™s alien and native floras. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	47
31	Functional trait changes in the floras of 11 cities across the globe in response to urbanization. <i>Ecography</i> , 2017, 40, 875-886.	4.5	42
32	Grassland biodiversity can pay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3876-3881.	7.1	38
33	Economic costs of biological invasions in the United Kingdom. <i>NeoBiota</i> , 0, 67, 299-328.	1.0	38
34	Catchment urbanization increases benthic microalgal biomass in streams under controlled light conditions. <i>Aquatic Sciences</i> , 2007, 69, 511-522.	1.5	34
35	Plant traits of propagule banks and standing vegetation reveal flooding alleviates impacts of agriculture on wetland restoration. <i>Journal of Applied Ecology</i> , 2017, 54, 1907-1918.	4.0	30
36	Relationships between plantâ€™soil feedbacks and functional traits. <i>Journal of Ecology</i> , 2021, 109, 3411-3423.	4.0	29

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37	Global relationships in tree functional traits. <i>Nature Communications</i> , 2022, 13, .	12.8	29
38	Seed addition and biomass removal key to restoring native forbs in degraded temperate grassland. <i>Applied Vegetation Science</i> , 2018, 21, 219-228.	1.9	28
39	Soil properties as key predictors of global grassland production: Have we overlooked micronutrients?. <i>Ecology Letters</i> , 2021, 24, 2713-2725.	6.4	28
40	A Long-Term Experimental Case Study of the Ecological Effectiveness and Cost Effectiveness of Invasive Plant Management in Achieving Conservation Goals: Bitou Bush Control in Booderee National Park in Eastern Australia. <i>PLoS ONE</i> , 2015, 10, e0128482.	2.5	25
41	Using multi-scale species distribution data to infer drivers of biological invasion in riparian wetlands. <i>Diversity and Distributions</i> , 2010, 16, 20-32.	4.1	24
42	Non-target impacts of weed control on birds, mammals, and reptiles. <i>Ecosphere</i> , 2017, 8, e01804.	2.2	24
43	Mechanistic reconciliation of community and invasion ecology. <i>Ecosphere</i> , 2021, 12, e03359.	2.2	21
44	Plant functional traits reflect different dimensions of species invasiveness. <i>Ecology</i> , 2021, 102, e03317.	3.2	21
45	Phenotypic plasticity masks range-wide genetic differentiation for vegetative but not reproductive traits in a short-lived plant. <i>Ecology Letters</i> , 2021, 24, 2378-2393.	6.4	21
46	Global costs of plant invasions must not be underestimated. <i>NeoBiota</i> , 0, 69, 75-78.	1.0	21
47	Testing Darwin's naturalization conundrum based on taxonomic, phylogenetic, and functional dimensions of vascular plants. <i>Ecological Monographs</i> , 2020, 90, e01420.	5.4	19
48	Phylogenetic signals and predictability in plant-soil feedbacks. <i>New Phytologist</i> , 2020, 228, 1440-1449.	7.3	19
49	Isolation predicts compositional change after discrete disturbances in a global meta-study. <i>Ecography</i> , 2017, 40, 1256-1266.	4.5	18
50	Effects of fire regime on plant species richness and composition differ among forest, woodland and heath vegetation. <i>Applied Vegetation Science</i> , 2018, 21, 132-143.	1.9	18
51	High exposure of global tree diversity to human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
52	Perspectives from early career researchers on the publication process in ecology - a response to Statzner & Resh (2010). <i>Freshwater Biology</i> , 2011, 56, 2405-2412.	2.4	17
53	Community diversity outweighs effect of warming on plant colonization. <i>Global Change Biology</i> , 2020, 26, 3079-3090.	9.5	17
54	Hydrological Impacts of Biological Invasions. , 2017, , 63-80.		15

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55	Frequent inundation helps counteract land use impacts on wetland propagule banks. <i>Applied Vegetation Science</i> , 2017, 20, 459-467.	1.9	15
56	Measuring competitive impact: Joint species modelling of invaded plant communities. <i>Journal of Ecology</i> , 2020, 108, 449-459.	4.0	13
57	Species loss due to nutrient addition increases with spatial scale in global grasslands. <i>Ecology Letters</i> , 2021, 24, 2100-2112.	6.4	13
58	A framework for understanding human-driven vegetation change. <i>Oikos</i> , 2017, 126, 1687-1698.	2.7	12
59	Invasive plants and climate change. , 2021, , 515-539.		12
60	Remote Sensing Measures Restoration Successes, but Canopy Heights Lag in Restoring Floodplain Vegetation. <i>Remote Sensing</i> , 2016, 8, 542.	4.0	11
61	Contrasting influences of inundation and land use on the rate of floodplain restoration. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2017, 27, 663-674.	2.0	11
62	Understanding the Nexus Between Hydrological Alteration And Biological Invasions. , 2019, , 45-64.		10
63	Grassland invasion in a changing climate. , 2019, , 149-171.		9
64	GIRAE: a generalised approach for linking the total impact of invasion to species' range, abundance and per-unit effects. <i>Biological Invasions</i> , 2022, 24, 3147-3167.	2.4	9
65	Quantifying niche availability, niche overlap and competition for recruitment sites in plant populations without explicit knowledge of niche axes. <i>Journal of Ecology</i> , 2019, 107, 1791-1803.	4.0	8
66	Chronic fertilization and irrigation gradually and increasingly restructure grassland communities. <i>Ecosphere</i> , 2019, 10, e02625.	2.2	8
67	Using management to determine drivers of alien plant invasion and limits to native restoration. <i>Applied Vegetation Science</i> , 2016, 19, 5-6.	1.9	7
68	Invasive shrub re-establishment following management has contrasting effects on biodiversity. <i>Scientific Reports</i> , 2019, 9, 4083.	3.3	7
69	Flood disturbance affects morphology and reproduction of woody riparian plants. <i>Scientific Reports</i> , 2021, 11, 16477.	3.3	7
70	Restored river-floodplain connectivity promotes woody plant establishment. <i>Forest Ecology and Management</i> , 2021, 493, 119264.	3.2	7
71	Land use alters soil propagule banks of wetlands down the soil-depth profile. <i>Marine and Freshwater Research</i> , 2020, 71, 191.	1.3	7
72	Restored river-floodplain connectivity promotes riparian tree maintenance and recruitment. <i>Forest Ecology and Management</i> , 2022, 506, 119952.	3.2	7

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73	Propagule availability drives post-fire recovery of peatland plant communities. <i>Applied Vegetation Science</i> , 2021, 24, e12608.	1.9	6
74	Traits influence detection of exotic plant species in tropical forests. <i>PLoS ONE</i> , 2018, 13, e0202254.	2.5	5
75	Traits explain invasion of alien plants into tropical rainforests. <i>Ecology and Evolution</i> , 2021, 11, 3808-3819.	1.9	5
76	Applying the stress-gradient hypothesis to curb the spread of invasive bamboo. <i>Journal of Applied Ecology</i> , 2021, 58, 1993-2003.	4.0	5
77	Fine-scale variables associated with the presence of native forbs in natural temperate grassland. <i>Austral Ecology</i> , 2020, 45, 366-375.	1.5	4
78	New pasture plants pose weed risk. <i>Nature</i> , 2014, 516, 37-37.	27.8	1
79	Reply to Proença et al.: Sown biodiverse pastures are not a universal solution to invasion risk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1696.	7.1	1
80	Riparian trees resprout regardless of timing and severity of disturbance by coppicing. <i>Forest Ecology and Management</i> , 2022, 507, 119988.	3.2	1
81	Correction: Four priority areas to advance invasion science in the face of rapid environmental change. <i>Environmental Reviews</i> , 2022, 30, 174-174.	4.5	1