

Jane A Catford

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

6,072
citations

147566

31
h-index

85405

71
g-index

90
all docs

90
docs citations

90
times ranked

8711
citing authors

#	ARTICLE	IF	CITATIONS
1	Addressing context dependence in ecology. <i>Trends in Ecology and Evolution</i> , 2022, 37, 158-170.	4.2	119
2	Restored river-floodplain connectivity promotes riparian tree maintenance and recruitment. <i>Forest Ecology and Management</i> , 2022, 506, 119952.	1.4	7
3	Riparian trees resprout regardless of timing and severity of disturbance by coppicing. <i>Forest Ecology and Management</i> , 2022, 507, 119988.	1.4	1
4	Correction: Four priority areas to advance invasion science in the face of rapid environmental change. <i>Environmental Reviews</i> , 2022, 30, 174-174.	2.1	1
5	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.	1.2	9
6	Global relationships in tree functional traits. <i>Nature Communications</i> , 2022, 13, .	5.8	29
7	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, .	3.3	18
8	Global root traits (GRooT) database. <i>Global Ecology and Biogeography</i> , 2021, 30, 25-37.	2.7	90
9	Mechanistic reconciliation of community and invasion ecology. <i>Ecosphere</i> , 2021, 12, e03359.	1.0	21
10	Traits explain invasion of alien plants into tropical rainforests. <i>Ecology and Evolution</i> , 2021, 11, 3808-3819.	0.8	5
11	Plant functional traits reflect different dimensions of species invasiveness. <i>Ecology</i> , 2021, 102, e03317.	1.5	21
12	Dimensions of invasiveness: Links between local abundance, geographic range size, and habitat breadth in Europe's alien and native floras. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	47
13	Global economic costs of aquatic invasive alien species. <i>Science of the Total Environment</i> , 2021, 775, 145238.	3.9	183
14	Four priority areas to advance invasion science in the face of rapid environmental change. <i>Environmental Reviews</i> , 2021, 29, 119-141.	2.1	98
15	Relationships between plant-soil feedbacks and functional traits. <i>Journal of Ecology</i> , 2021, 109, 3411-3423.	1.9	29
16	Species loss due to nutrient addition increases with spatial scale in global grasslands. <i>Ecology Letters</i> , 2021, 24, 2100-2112.	3.0	13
17	Applying the stress-gradient hypothesis to curb the spread of invasive bamboo. <i>Journal of Applied Ecology</i> , 2021, 58, 1993-2003.	1.9	5
18	Propagule availability drives post-wildfire recovery of peatland plant communities. <i>Applied Vegetation Science</i> , 2021, 24, e12608.	0.9	6

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19	Flood disturbance affects morphology and reproduction of woody riparian plants. <i>Scientific Reports</i> , 2021, 11, 16477.	1.6	7
20	Restored river-floodplain connectivity promotes woody plant establishment. <i>Forest Ecology and Management</i> , 2021, 493, 119264.	1.4	7
21	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.	3.0	21
22	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021, 8, 254.	2.4	73
23	Invasive plants and climate change. , 2021, , 515-539.		12
24	Soil properties as key predictors of global grassland production: Have we overlooked micronutrients?. <i>Ecology Letters</i> , 2021, 24, 2713-2725.	3.0	28
25	Measuring competitive impact: Joint-species modelling of invaded plant communities. <i>Journal of Ecology</i> , 2020, 108, 449-459.	1.9	13
26	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
27	The results of biodiversity-ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , 2020, 4, 1485-1494.	3.4	93
28	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.	3.3	108
29	Testing Darwin's naturalization conundrum based on taxonomic, phylogenetic, and functional dimensions of vascular plants. <i>Ecological Monographs</i> , 2020, 90, e01420.	2.4	19
30	A conceptual map of invasion biology: Integrating hypotheses into a consensus network. <i>Global Ecology and Biogeography</i> , 2020, 29, 978-991.	2.7	150
31	Fine-scale variables associated with the presence of native forbs in natural temperate grassland. <i>Austral Ecology</i> , 2020, 45, 366-375.	0.7	4
32	Invasion syndromes: a systematic approach for predicting biological invasions and facilitating effective management. <i>Biological Invasions</i> , 2020, 22, 1801-1820.	1.2	83
33	Phylogenetic signals and predictability in plant-soil feedbacks. <i>New Phytologist</i> , 2020, 228, 1440-1449.	3.5	19
34	Community diversity outweighs effect of warming on plant colonization. <i>Global Change Biology</i> , 2020, 26, 3079-3090.	4.2	17
35	Land use alters soil propagule banks of wetlands down the soil-depth profile. <i>Marine and Freshwater Research</i> , 2020, 71, 191.	0.7	7
36	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.	1.9	8

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37	Chronic fertilization and irrigation gradually and increasingly restructure grassland communities. <i>Ecosphere</i> , 2019, 10, e02625.	1.0	8
38	Invasive shrub re-establishment following management has contrasting effects on biodiversity. <i>Scientific Reports</i> , 2019, 9, 4083.	1.6	7
39	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.	3.0	103
40	Grassland invasion in a changing climate. , 2019, , 149-171.		9
41	Understanding the Nexus Between Hydrological Alteration And Biological Invasions. , 2019, , 45-64.		10
42	Grassland biodiversity can pay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3876-3881.	3.3	38
43	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.	0.9	18
44	Seed addition and biomass removal key to restoring native forbs in degraded temperate grassland. <i>Applied Vegetation Science</i> , 2018, 21, 219-228.	0.9	28
45	Inhibitory effects of <i>Eucalyptus globulus</i> on understorey plant growth and species richness are greater in non-native regions. <i>Global Ecology and Biogeography</i> , 2018, 27, 68-76.	2.7	52
46	Traits influence detection of exotic plant species in tropical forests. <i>PLoS ONE</i> , 2018, 13, e0202254.	1.1	5
47	Introduced species that overcome life history tradeoffs can cause native extinctions. <i>Nature Communications</i> , 2018, 9, 2131.	5.8	64
48	Multiple facets of biodiversity drive the diversity-stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	3.4	296
49	Functional trait changes in the floras of 11 cities across the globe in response to urbanization. <i>Ecography</i> , 2017, 40, 875-886.	2.1	42
50	Hydrological Impacts of Biological Invasions. , 2017, , 63-80.		15
51	Frequent inundation helps counteract land use impacts on wetland propagule banks. <i>Applied Vegetation Science</i> , 2017, 20, 459-467.	0.9	15
52	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.	1.9	30
53	Non-target impacts of weed control on birds, mammals, and reptiles. <i>Ecosphere</i> , 2017, 8, e01804.	1.0	24
54	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.	0.9	11

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55	A framework for understanding human-driven vegetation change. <i>Oikos</i> , 2017, 126, 1687-1698.	1.2	12
56	Isolation predicts compositional change after discrete disturbances in a global meta-study. <i>Ecography</i> , 2017, 40, 1256-1266.	2.1	18
57	Remote Sensing Measures Restoration Successes, but Canopy Heights Lag in Restoring Floodplain Vegetation. <i>Remote Sensing</i> , 2016, 8, 542.	1.8	11
58	Disentangling the four demographic dimensions of species invasiveness. <i>Journal of Ecology</i> , 2016, 104, 1745-1758.	1.9	55
59	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.	1.9	109
60	Using management to determine drivers of alien plant invasion and limits to native restoration. <i>Applied Vegetation Science</i> , 2016, 19, 5-6.	0.9	7
61	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.	1.1	25
62	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.	3.3	1
63	New pasture plants pose weed risk. <i>Nature</i> , 2014, 516, 37-37.	13.7	1
64	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.	1.9	97
65	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.	3.5	108
66	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.	3.3	85
67	Riparian Ecosystems in the 21st Century: Hotspots for Climate Change Adaptation?. <i>Ecosystems</i> , 2013, 16, 359-381.	1.6	275
68	Predicting Novel Riparian Ecosystems in a Changing Climate. <i>Ecosystems</i> , 2013, 16, 382-400.	1.6	63
69	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.	1.1	271
70	Quantifying levels of biological invasion: towards the objective classification of invaded and invulnerable ecosystems. <i>Global Change Biology</i> , 2012, 18, 44-62.	4.2	212
71	Non-natives: 141 scientists object. <i>Nature</i> , 2011, 475, 36-36.	13.7	197
72	Flow regulation reduces native plant cover and facilitates exotic invasion in riparian wetlands. <i>Journal of Applied Ecology</i> , 2011, 48, 432-442.	1.9	153

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73	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.	1.2	17
74	Hotspots of plant invasion predicted by propagule pressure and ecosystem characteristics. <i>Diversity and Distributions</i> , 2011, 17, 1099-1110.	1.9	95
75	Using multi-scale species distribution data to infer drivers of biological invasion in riparian wetlands. <i>Diversity and Distributions</i> , 2010, 16, 20-32.	1.9	24
76	Reducing redundancy in invasion ecology by integrating hypotheses into a single theoretical framework. <i>Diversity and Distributions</i> , 2009, 15, 22-40.	1.9	805
77	Catchment urbanization increases benthic microalgal biomass in streams under controlled light conditions. <i>Aquatic Sciences</i> , 2007, 69, 511-522.	0.6	34
78	Economic costs of biological invasions in the United Kingdom. <i>NeoBiota</i> , 0, 67, 299-328.	1.0	38
79	MAcroecological Framework for Invasive Aliens (MAFIA): disentangling large-scale context dependence in biological invasions. <i>NeoBiota</i> , 0, 62, 407-461.	1.0	66
80	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
81	Global costs of plant invasions must not be underestimated. <i>NeoBiota</i> , 0, 69, 75-78.	1.0	21