Jane A Catford

List of Publications by Year
in descending order

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	Addressing context dependence in ecology. Trends in Ecology and Evolution, 2022, 37, 158-170.	8.7	119
2	Restored river-floodplain connectivity promotes riparian tree maintenance and recruitment. Forest Ecology and Management, 2022, 506, 119952.	3.2	7
3	Riparian trees resprout regardless of timing and severity of disturbance by coppicing. Forest Ecology and Management, 2022, 507, 119988.	3.2	1
4	Correction: Four priority areas to advance invasion science in the face of rapid environmental change. Environmental Reviews, 2022, 30, 174-174.	4.5	1
5	GIRAE: a generalised approach for linking the total impact of invasion to species' range, abundance and per-unit effects. Biological Invasions, 2022, 24, 3147-3167.	2.4	9
6	Global relationships in tree functional traits. Nature Communications, 2022, 13, .	12.8	29
7	High exposure of global tree diversity to human pressure. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	18
8	Global root traits (GRooT) database. Global Ecology and Biogeography, 2021, 30, 25-37.	5.8	90
9	Mechanistic reconciliation of community and invasion ecology. Ecosphere, 2021, 12, e03359.	2.2	21
10	Traits explain invasion of alien plants into tropical rainforests. Ecology and Evolution, 2021, 11, 3808-3819.	1.9	5
11	Plant functional traits reflect different dimensions of species invasiveness. Ecology, 2021, 102, e03317.	3.2	21
12	Dimensions of invasiveness: Links between local abundance, geographic range size, and habitat breadth in Europeâ€™s alien and native floras. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	47
13	Global economic costs of aquatic invasive alien species. Science of the Total Environment, 2021, 775, 145238.	8.0	183
14	Four priority areas to advance invasion science in the face of rapid environmental change. Environmental Reviews, 2021, 29, 119-141.	4.5	98
15	Relationships between plantâ€“soil feedbacks and functional traits. Journal of Ecology, 2021, 109, 3411-3423.	4.0	29
16	Species loss due to nutrient addition increases with spatial scale in global grasslands. Ecology Letters, 2021, 24, 2100-2112.	6.4	13
17	Applying the stressâ€gradient hypothesis to curb the spread of invasive bamboo. Journal of Applied Ecology, 2021, 58, 1993-2003.	4.0	5
18	Propagule availability drives postâ€wildfire recovery of peatland plant communities. Applied Vegetation Science, 2021, 24, e12608.	1.9	6

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19	Flood disturbance affects morphology and reproduction of woody riparian plants. Scientific Reports, 2021, 11, 16477.	3.3	7
20	Restored river-floodplain connectivity promotes woody plant establishment. Forest Ecology and Management, 2021, 493, 119264.	3.2	7
21	Phenotypic plasticity masks rangeâ€wide genetic differentiation for vegetative but not reproductive traits in a shortâ€lived plant. Ecology Letters, 2021, 24, 2378-2393.	6.4	21
22	AusTraits, a curated plant trait database for the Australian flora. Scientific Data, 2021, 8, 254.	5.3	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?. Ecology Letters, 2021, 24, 2713-2725.	6.4	28
25	Measuring competitive impact: Jointâ€species modelling of invaded plant communities. Journal of Ecology, 2020, 108, 449-459.	4.0	13
26	TRY plant trait database â€" enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
27	The results of biodiversityâ€"ecosystem functioning experiments are realistic. Nature Ecology and Evolution, 2020, 4, 1485-1494.	7.8	93
28	Global gene flow releases invasive plants from environmental constraints on genetic diversity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4218-4227.	7.1	108
29	Testing Darwinâ€™s naturalization conundrum based on taxonomic, phylogenetic, and functional dimensions of vascular plants. Ecological Monographs, 2020, 90, e01420.	5.4	19
30	A conceptual map of invasion biology: Integrating hypotheses into a consensus network. Global Ecology and Biogeography, 2020, 29, 978-991.	5.8	150
31	Fineâ€scale variables associated with the presence of native forbs in natural temperate grassland. Austral Ecology, 2020, 45, 366-375.	1.5	4
32	Invasion syndromes: a systematic approach for predicting biological invasions and facilitating effective management. Biological Invasions, 2020, 22, 1801-1820.	2.4	83
33	Phylogenetic signals and predictability in plantâ€"soil feedbacks. New Phytologist, 2020, 228, 1440-1449.	7.3	19
34	Community diversity outweighs effect of warming on plant colonization. Global Change Biology, 2020, 26, 3079-3090.	9.5	17
35	Land use alters soil propagule banks of wetlands down the soil-depth profile. Marine and Freshwater Research, 2020, 71, 191.	1.3	7
36	Quantifying niche availability, niche overlap and competition for recruitment sites in plant populations without explicit knowledge of niche axes. Journal of Ecology, 2019, 107, 1791-1803.	4.0	8

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37	Chronic fertilization and irrigation gradually and increasingly restructure grassland communities. Ecosphere, 2019, 10, e02625.	2.2	8
38	Invasive shrub re-establishment following management has contrasting effects on biodiversity. Scientific Reports, 2019, 9, 4083.	3.3	7
39	Traits linked with species invasiveness and community invasibility vary with time, stage and indicator of invasion in a longâ€term grassland experiment. Ecology Letters, 2019, 22, 593-604.	6.4	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. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3876-3881.	7.1	38
43	Effects of fire regime on plant species richness and composition differ among forest, woodland and heath vegetation. Applied Vegetation Science, 2018, 21, 132-143.	1.9	18
44	Seed addition and biomass removal key to restoring native forbs in degraded temperate grassland. Applied Vegetation Science, 2018, 21, 219-228.	1.9	28
45	Inhibitory effects of <i>Eucalyptus globulus</i> on understorey plant growth and species richness are greater in nonâ€native regions. Global Ecology and Biogeography, 2018, 27, 68-76.	5.8	52
46	Traits influence detection of exotic plant species in tropical forests. PLoS ONE, 2018, 13, e0202254.	2.5	5
47	Introduced species that overcome life history tradeoffs can cause native extinctions. Nature Communications, 2018, 9, 2131.	12.8	64
48	Multiple facets of biodiversity drive the diversityâ€“stability relationship. Nature Ecology and Evolution, 2018, 2, 1579-1587.	7.8	296
49	Functional trait changes in the floras of 11 cities across the globe in response to urbanization. Ecography, 2017, 40, 875-886.	4.5	42
50	Hydrological Impacts of Biological Invasions. , 2017, , 63-80.		15
51	Frequent inundation helps counteract land use impacts on wetland propagule banks. Applied Vegetation Science, 2017, 20, 459-467.	1.9	15
52	Plant traits of propagule banks and standing vegetation reveal flooding alleviates impacts of agriculture on wetland restoration. Journal of Applied Ecology, 2017, 54, 1907-1918.	4.0	30
53	Nonâ€target impacts of weed control on birds, mammals, and reptiles. Ecosphere, 2017, 8, e01804.	2.2	24
54	Contrasting influences of inundation and land use on the rate of floodplain restoration. Aquatic Conservation: Marine and Freshwater Ecosystems, 2017, 27, 663-674.	2.0	11

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55	A framework for understanding humanâ€driven vegetation change. Oikos, 2017, 126, 1687-1698.	2.7	12
56	Isolation predicts compositional change after discrete disturbances in a global metaâ€study. Ecography, 2017, 40, 1256-1266.	4.5	18
57	Remote Sensing Measures Restoration Successes, but Canopy Heights Lag in Restoring Floodplain Vegetation. Remote Sensing, 2016, 8, 542.	4.0	11
58	Disentangling the four demographic dimensions of species invasiveness. Journal of Ecology, 2016, 104, 1745-1758.	4.0	55
59	Does the biogeographic origin of species matter? Ecological effects of native and nonâ€native species andÂthe use of origin to guide management. Journal of Ecology, 2016, 104, 4-17.	4.0	109
60	Using management to determine drivers of alien plant invasion and limits to native restoration. Applied Vegetation Science, 2016, 19, 5-6.	1.9	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. PLoS ONE, 2015, 10, e0128482.	2.5	25
62	Reply to ProenÃ§a et al.: Sown biodiverse pastures are not a universal solution to invasion risk. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1696.	7.1	1
63	New pasture plants pose weed risk. Nature, 2014, 516, 37-37.	27.8	1
64	Species and environmental characteristics point to flow regulation and drought as drivers of riparian plant invasion. Diversity and Distributions, 2014, 20, 1084-1096.	4.1	97
65	Drowned, buried and carried away: effects of plant traits on the distribution of native and alien species in riparian ecosystems. New Phytologist, 2014, 204, 19-36.	7.3	108
66	New pasture plants intensify invasive species risk. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16622-16627.	7.1	85
67	Riparian Ecosystems in the 21st Century: Hotspots for Climate Change Adaptation?. Ecosystems, 2013, 16, 359-381.	3.4	275
68	Predicting Novel Riparian Ecosystems in a Changing Climate. Ecosystems, 2013, 16, 382-400.	3.4	63
69	The intermediate disturbance hypothesis and plant invasions: Implications for species richness and management. Perspectives in Plant Ecology, Evolution and Systematics, 2012, 14, 231-241.	2.7	271
70	Quantifying levels of biological invasion: towards the objective classification of invaded and invasible ecosystems. Global Change Biology, 2012, 18, 44-62.	9.5	212
71	Non-natives: 141 scientists object. Nature, 2011, 475, 36-36.	27.8	197
72	Flow regulation reduces native plant cover and facilitates exotic invasion in riparian wetlands. Journal of Applied Ecology, 2011, 48, 432-442.	4.0	153

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73	Perspectives from early career researchers on the publication process in ecology - a response to Statzner & Resh (2010). Freshwater Biology, 2011, 56, 2405-2412.	2.4	17
74	Hotspots of plant invasion predicted by propagule pressure and ecosystem characteristics. Diversity and Distributions, 2011, 17, 1099-1110.	4.1	95
75	Using multiâ€scale species distribution data to infer drivers of biological invasion in riparian wetlands. Diversity and Distributions, 2010, 16, 20-32.	4.1	24
76	Reducing redundancy in invasion ecology by integrating hypotheses into a single theoretical framework. Diversity and Distributions, 2009, 15, 22-40.	4.1	805
77	Catchment urbanization increases benthic microalgal biomass in streams under controlled light conditions. Aquatic Sciences, 2007, 69, 511-522.	1.5	34
78	Economic costs of biological invasions in the United Kingdom. NeoBiota, 0, 67, 299-328.	1.0	38
79	MAcroecological Framework for Invasive Aliens (MAFIA): disentangling large-scale context dependence in biological invasions. NeoBiota, 0, 62, 407-461.	1.0	66
80	What are the economic costs of biological invasions? A complex topic requiring international and interdisciplinary expertise. NeoBiota, 0, 63, 25-37.	1.0	70
81	Global costs of plant invasions must not be underestimated. NeoBiota, 0, 69, 75-78.	1.0	21