John M Dwyer

List of Publications by Year
in descending order

74 papers	2,353 citations	257450 24 h-index	243625 44 g-index
76 all docs	76 docs citations	76 times ranked	4633 citing authors

#	Article	IF	Citations
1	An Evaluation of the ALOS PALSAR L-Band Backscatter—Above Ground Biomass Relationship Queensland, Australia: Impacts of Surface Moisture Condition and Vegetation Structure. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 576-593.	4.9	216
2	Local loss and spatial homogenization of plant diversity reduce ecosystem multifunctionality. Nature Ecology and Evolution, 2018, 2, 50-56.	7.8	172
3	Impacts of nitrogen addition on plant biodiversity in mountain grasslands depend on dose, application duration and climate: a systematic review. Global Change Biology, 2016, 22, 110-120.	9.5	161
4	Specific leaf area responses to environmental gradients through space and time. Ecology, 2014, 95, 399-410.	3.2	149
5	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
6	Adaptive paternal effects? Experimental evidence that the paternal environment affects offspring performance. Ecology, 2013, 94, 2575-2582.	3.2	87
7	Constraints on trait combinations explain climatic drivers of biodiversity: the importance of trait covariance in community assembly. Ecology Letters, 2017, 20, 872-882.	6.4	79
8	AusTraits, a curated plant trait database for the Australian flora. Scientific Data, 2021, 8, 254.	5.3	73
9	Restoration thinning accelerates structural development and carbon sequestration in an endangered Australian ecosystem. Journal of Applied Ecology, 2010, 47, 681-691.	4.0	72
10	Passive restoration of subtropical grassland after abandonment of cultivation. Journal of Applied Ecology, 2016, 53, 274-283.	4.0	62
11	What motivates ecological restoration?. Restoration Ecology, 2017, 25, 832-843.	2.9	60
12	Distinct invasion strategies operating within a natural annual plant system. Ecology Letters, 2015, 18, 336-346.	6.4	53
13	Climate moderates release from nutrient limitation in natural annual plant communities. Global Ecology and Biogeography, 2015, 24, 549-561.	5.8	47
14	Vegetation responses to the first 20 years of cattle grazing in an Australian desert. Ecology, 2010, 91, 681-692.	3.2	46
15	Carbon for conservation: Assessing the potential for win–win investment in an extensive Australian regrowth ecosystem. Agriculture, Ecosystems and Environment, 2009, 134, 1-7.	5.3	45
16	Plant species richness responses to grazing protection and degradation history in a low productivity landscape. Journal of Vegetation Science, 2011, 22, 997-1008.	2.2	40
17	Herbivores safeguard plant diversity by reducing variability in dominance. Journal of Ecology, 2018, 106, 101-112.	4.0	40
18	Negative effects of nitrogen override positive effects of phosphorus on grassland legumes worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	40

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19	Generating species assemblages for restoration and experimentation: A new method that can simultaneously converge on average trait values and maximize functional diversity. Methods in Ecology and Evolution, 2018, 9, 1764-1771.	5.2	39
20	Propagule pressure, not fire or cattle grazing, promotes invasion of buffel grass *Cenchrus ciliaris*. Journal of Applied Ecology, 2013, 50, 138-146.	4.0	37
21	Optimal climate for large trees at high elevations drives patterns of biomass in remote forests of Papua New Guinea. Global Change Biology, 2017, 23, 4873-4883.	9.5	33
22	Fertilization Is Not a New Beginning: The Relationship between Sperm Longevity and Offspring Performance. PLoS ONE, 2012, 7, e49167.	2.5	31
23	Species wood density and the location of planted seedlings drive early-stage seedling survival during tropical forest restoration. Journal of Applied Ecology, 2018, 55, 1009-1018.	4.0	30
24	Productivity does not correlate with species and functional diversity in Australian reforestation plantings across a wide climate gradient. Global Ecology and Biogeography, 2019, 28, 1417-1429.	5.8	28
25	Mapping forest growth and degradation stage in the Brigalow Belt Bioregion of Australia through integration of ALOS PALSAR and Landsat-derived foliage projective cover data. Remote Sensing of Environment, 2014, 155, 42-57.	11.0	27
26	Neighbourhood effects influence drought-induced mortality of savanna trees in Australia. Journal of Vegetation Science, 2010, 21, 573-585.	2.2	26
27	Agricultural legacy, climate, and soil influence the restoration and carbon potential of woody regrowth in Australia. , 2010, 20, 1838-1850.		26
28	Warmer seed environments increase germination fractions in Australian winter annual plant species. Ecosphere, 2016, 7, e01497.	2.2	24
29	The germination strategies of widespread annual plants are unrelated to regional climate. Global Ecology and Biogeography, 2014, 23, 1430-1439.	5.8	22
30	Restoration potential of Brigalow regrowth: Insights from a cross-sectional study in southern Queensland. Ecological Management and Restoration, 2007, 8, 218-221.	1.5	21
31	Differences in forest plant functional trait distributions across land-use and productivity gradients. American Journal of Botany, 2013, 100, 1356-1368.	1.7	21
32	Phenotypic plasticity masks range-wide genetic differentiation for vegetative but not reproductive traits in a short-lived plant. Ecology Letters, 2021, 24, 2378-2393.	6.4	21
33	Potential aboveground biomass in drought-prone forest used for rangeland pastoralism. Ecological Applications, 2012, 22, 894-908.	3.8	19
34	Rainforest seed rain into abandoned tropical Australian pasture is dependent on adjacent rainforest structure and extent. Austral Ecology, 2017, 42, 238-249.	1.5	19
35	Climatic and evolutionary contexts are required to infer plant life history strategies from functional traits at a global scale. Ecology Letters, 2021, 24, 970-983.	6.4	19
36	An Approach to Mapping Forest Growth Stages in Queensland, Australia through Integration of ALOS PALSAR and Landsat Sensor Data. Remote Sensing, 2012, 4, 2236-2255.	4.0	18

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37	Species origin affects the rate of response to inter‐annual growing season precipitation and nutrient addition in four Australian native grasslands. Journal of Vegetation Science, 2016, 27, 1164-1176.	2.2	18
38	Selection on trait combinations along environmental gradients. Journal of Vegetation Science, 2017, 28, 672-673.	2.2	18
39	Isolation predicts compositional change after discrete disturbances in a global meta‐study. Ecography, 2017, 40, 1256-1266.	4.5	18
40	Look to seedling heights, rather than functional traits, to explain survival during extreme heat stress in the early stages of subtropical rainforest restoration. Journal of Applied Ecology, 2019, 56, 2687-2697.	4.0	18
41	Community diversity outweighs effect of warming on plant colonization. Global Change Biology, 2020, 26, 3079-3090.	9.5	17
42	Effects of exotic annual grass litter and local environmental gradients on annual plant community structure. Biological Invasions, 2017, 19, 479-491.	2.4	16
43	Use of seasonal forecasting to manage weather risk in ecological restoration. Ecological Applications, 2018, 28, 1797-1807.	3.8	16
44	Comparing the recovery of richness, structure, and biomass in naturally regrowing and planted reforestation. Restoration Ecology, 2020, 28, 347-357.	2.9	16
45	Seedling growth responses to species‐, neighborhood‐, and landscape‐scale effects during tropical forest restoration. Ecosphere, 2018, 9, e02386.	2.2	15
46	Potential mechanisms of coexistence in closely related forbs. Oikos, 2016, 125, 1812-1823.	2.7	14
47	Applied ecological research is on the rise but connectivity barriers persist between four major subfields. Journal of Applied Ecology, 2019, 56, 1492-1498.	4.0	13
48	The effect of clearing on plant composition in mulga (*Acacia aneura*) dry forest, Australia. Austral Ecology, 2012, 37, 183-192.	1.5	12
49	Plant community responses to thinning in densely regenerating *Acacia harpophylla* forest. Restoration Ecology, 2018, 26, 97-105.	2.9	12
50	Refuge-dependent herbivory controls a key macroalga on coral reefs. Coral Reefs, 2020, 39, 953-965.	2.2	12
51	Do local moisture stress responses across tree species reflect dry limits of their geographic ranges?. Austral Ecology, 2014, 39, 612-618.	1.5	11
52	Landscape structure mediates zoochorous-dispersed seed rain under isolated pasture trees across distinct tropical regions. Landscape Ecology, 2019, 34, 1347-1362.	4.2	11
53	Requirements for the spatial storage effect are weakly evident for common species in natural annual plant assemblages. Ecology, 2020, 101, e03185.	3.2	10
54	Predicting community rank‐abundance distributions under current and future climates. Ecography, 2018, 41, 1572-1582.	4.5	9

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55	Validity of photo-oxidative stress markers and stress-related phytohormones as predictive proxies of mortality risk in the perennial herb Plantago lanceolata. Environmental and Experimental Botany, 2021, 191, 104598.	4.2	9
56	Opposing community assembly patterns for dominant and nondominant plant species in herbaceous ecosystems globally. Ecology and Evolution, 2021, 11, 17744-17761.	1.9	8
57	â€˜Invasion debtâ€™ after extensive land-use change: An example from eastern Australia. Journal of Environmental Management, 2022, 302, 114051.	7.8	7
58	Water availability drives aboveground biomass and bird richness in forest restoration plantings to achieve carbon and biodiversity cobenefits. Ecology and Evolution, 2019, 9, 14379-14393.	1.9	6
59	An invasive grass species has both local and broadâ€scale impacts on diversity: Potential mechanisms and implications. Journal of Vegetation Science, 2021, 32, .	2.2	6
60	Managed livestock grazing for conservation outcomes in a Queensland fragmented landscape. Ecological Management and Restoration, 2021, 22, 5-9.	1.5	6
61	Species-specific effects of herbivorous fishes on the establishment of the macroalga Lobophora on coral reefs. Marine Ecology - Progress Series, 2020, 637, 1-14.	1.9	6
62	A regional-scale assessment of using metabolic scaling theory to predict ecosystem properties. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20192221.	2.6	5
63	Diverse outcomes of species interactions in an invaded annual plant community. Journal of Plant Ecology, 0, , rtw102.	2.3	4
64	Variable seed bed microsite conditions and light influence germination in Australian winter annuals. Oecologia, 2022, 198, 865-875.	2.0	4
65	Estimating plant abundances from crown cover and forest structure data reveals sizeâ€dependent patterns of rarity in subtropical Australia. Applied Vegetation Science, 2016, 19, 700-710.	1.9	3
66	Regional climate and local-scale biotic acceptance explain nativeâ€“exotic richness relationships in Australian annual plant communities. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181328.	2.6	3
67	Reproductive size thresholds and seedling survival in Acacia harpophylla (Mimosaceae). Australian Journal of Botany, 2017, 65, 438.	0.6	3
68	Plant size and neighbourhood characteristics influence survival and growth in a restored exâ€agricultural ecosystem. Ecological Solutions and Evidence, 2022, 3, .	2.0	3
69	Direct climate effects are more influential than functional composition in determining future gross primary productivity. Landscape Ecology, 2020, 35, 969-984.	4.2	2
70	Restoration thinning permits stems to capitalize on highâ€rainfall years in a regenerating endangered forest ecosystem. Ecological Solutions and Evidence, 2021, 2, e12043.	2.0	2
71	Better left alone: Trying to control pasture grasses in untended rainforest plantings incurs multiple costs and delivers few benefits. Ecological Solutions and Evidence, 2021, 2, e12062.	2.0	2
72	Drivers of <i>Acacia</i> and <i>Eucalyptus</i> growth rate differ in strength and direction in restoration plantings across Australia. Ecological Applications, 2022, , e2636.	3.8	2

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73	Forest parameter retrieval from SAR data using an estimation algorithm applied to regrowing forest stands in Queensland, Australia. , 2010, , .		1
74	Passive regeneration of subtropical grassland vegetation in a chronosequence of ex‑cultivated fields in Australia. Applied Vegetation Science, 2021, 24, .	1.9	1