John W Morgan

List of Publications by Year
in descending order

114 papers	5,483 citations	81900 39 h-index	88630 70 g-index
118 all docs	118 docs citations	118 times ranked	7229 citing authors

#	Article	IF	Citations
1	Integrative modelling reveals mechanisms linking productivity and plant species richness. Nature, 2016, 529, 390-393.	27.8	564
2	Grassland productivity limited by multiple nutrients. Nature Plants, 2015, 1, 15080.	9.3	403
3	Addition of multiple limiting resources reduces grassland diversity. Nature, 2016, 537, 93-96.	27.8	355
4	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.	9.5	182
5	Local loss and spatial homogenization of plant diversity reduce ecosystem multifunctionality. Nature Ecology and Evolution, 2018, 2, 50-56.	7.8	172
6	A framework to predict the effects of livestock grazing and grazing exclusion on conservation values in natural ecosystems in Australia. Australian Journal of Botany, 2007, 55, 401.	0.6	164
7	Plant traits and local extinctions in natural grasslands along an urban-rural gradient. Journal of Ecology, 2005, 93, 1203-1213.	4.0	159
8	Anthropogenic nitrogen deposition predicts local grassland primary production worldwide. Ecology, 2015, 96, 1459-1465.	3.2	143
9	Plant speciesâ€™ origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. Nature Communications, 2015, 6, 7710.	12.8	143
10	Global change effects on plant communities are magnified by time and the number of global change factors imposed. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17867-17873.	7.1	141
11	Change in dominance determines herbivore effects on plant biodiversity. Nature Ecology and Evolution, 2018, 2, 1925-1932.	7.8	140
12	Effects of Population Size on Seed Production and Germinability in an Endangered, Fragmented Grassland Plant. Conservation Biology, 1999, 13, 266-273.	4.7	136
13	Effects of time-since-fire on the tussock dynamics of a dominant grass (Themeda triandra) in a temperate Australian grassland. Biological Conservation, 1999, 88, 379-386.	4.1	128
14	Plant invasions in treeless vegetation of the Australian Alps. Perspectives in Plant Ecology, Evolution and Systematics, 2005, 7, 159-171.	2.7	110
15	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. Nature Ecology and Evolution, 2019, 3, 400-406.	7.8	97
16	Extent of invasion of Tasmanian native vegetation by the exotic bumblebee Bombus terrestris (Apoidea:) Tj ETQq0 0 0 rgBT /Overlock 10	1.5	96
17	Title is missing!. Plant Ecology, 1999, 144, 127-144.	1.6	90
18	Patterns of invasion of an urban remnant of a species-rich grassland in southeastern Australia by non-native plant species. Journal of Vegetation Science, 1998, 9, 181-190.	2.2	85

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19	LOCAL EXTINCTION OF GRASSLAND PLANTS: THE LANDSCAPE MATRIX IS MORE IMPORTANT THAN PATCH ATTRIBUTES. Ecology, 2006, 87, 3000-3006.	3.2	76
20	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. Nature Communications, 2020, 11, 5375.	12.8	75
21	AusTraits, a curated plant trait database for the Australian flora. Scientific Data, 2021, 8, 254.	5.3	73
22	Effects of grazing exclusion on plant species richness and phytomass accumulation vary across a regional productivity gradient. Journal of Vegetation Science, 2011, 22, 130-142.	2.2	71
23	Predicting invasion in grassland ecosystems: is exotic dominance the real embarrassment of richness?. Global Change Biology, 2013, 19, 3677-3687.	9.5	70
24	Composition and seasonal flux of the soil seed bank of species-richThemeda triandragrasslands in relation to burning history. Journal of Vegetation Science, 1998, 9, 145-156.	2.2	69
25	Woody plant encroachment reduces species richness of herbâ€rich woodlands in southern Australia. Austral Ecology, 2008, 33, 278-289.	1.5	65
26	Increasing effects of chronic nutrient enrichment on plant diversity loss and ecosystem productivity over time. Ecology, 2021, 102, e03218.	3.2	62
27	Using plant functional traits to explain community composition across a strong environmental filter in Australian alpine snowpatches. Plant Ecology, 2011, 212, 1491-1499.	1.6	59
28	Tundra Trait Team: A database of plant traits spanning the tundra biome. Global Ecology and Biogeography, 2018, 27, 1402-1411.	5.8	57
29	How widespread is woody plant encroachment in temperate Australia? Changes in woody vegetation cover in lowland woodland and coastal ecosystems in Victoria from 1989 to 2005. Journal of Biogeography, 2010, 37, 722-732.	3.0	55
30	Out of the shadows: multiple nutrient limitations drive relationships among biomass, light and plant diversity. Functional Ecology, 2017, 31, 1839-1846.	3.6	55
31	A conceptual model of plant community changes following cessation of cultivation in semiâ€arid grassland. Applied Vegetation Science, 2010, 13, 389-402.	1.9	52
32	Biotic homogenization in an increasingly urbanized temperate grassland ecosystem. Journal of Vegetation Science, 2017, 28, 550-561.	2.2	49
33	Using historical records, aerial photography and dendroecological methods to determine vegetation changes in a grassy woodland since European settlement. Australian Journal of Botany, 2007, 55, 1.	0.6	45
34	Patterns in alpine seedling emergence and establishment across a stress gradient of mountain summits in south-eastern Australia. Plant Ecology and Diversity, 2009, 2, 5-16.	2.4	45
35	Communityâ€level changes in Australian subalpine vegetation following invasion by the nonâ€native shrub Cytisus scoparius. Journal of Vegetation Science, 2004, 15, 595-604.	2.2	42
36	Bryophyte Mats Inhibit Germination of Non-native Species in Burnt Temperate Native Grassland Remnants. Biological Invasions, 2006, 8, 159-168.	2.4	42

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37	The importance of small urban reserves for plant conservation. Biological Conservation, 2017, 213, 146-153.	4.1	42
38	Vegetation Changes after 10 Years of Grazing Exclusion and Intermittent Burning in a Themeda triandra (Poaceae) Grassland Reserve in South-eastern Australia. Australian Journal of Botany, 1999, 47, 537.	0.6	39
39	Early lifeâ€history stages drive community reassembly in <scp>A</scp>ustralian oldâ€fields. Journal of Vegetation Science, 2012, 23, 721-731.	2.2	39
40	Spatial heterogeneity in species composition constrains plant community responses to herbivory and fertilisation. Ecology Letters, 2018, 21, 1364-1371.	6.4	38
41	Effects of drought and fire on resprouting capacity of 52 temperate Australian perennial native grasses. New Phytologist, 2019, 221, 1424-1433.	7.3	37
42	Functional traits and prior abundance explain native plant extirpation in a fragmented woodland landscape. Journal of Ecology, 2009, 97, 718-727.	4.0	34
43	Anthropogenicâ€based regionalâ€scale factors most consistently explain plotâ€level exotic diversity in grasslands. Global Ecology and Biogeography, 2014, 23, 802-810.	5.8	32
44	Recent Forest Encroachment into Subalpine Grasslands near Mount Hotham, Victoria, Australia. Arctic, Antarctic, and Alpine Research, 2001, 33, 369-377.	1.1	31
45	Response to Comments on â€œProductivity Is a Poor Predictor of Plant Species Richnessâ€• Science, 2012, 335, 1441-1441.	12.6	30
46	Seed characteristics and soil surface patch type interact to affect germination of semi-arid woodland species. Plant Ecology, 2011, 212, 91-103.	1.6	28
47	Do Facilitative Interactions with Neighboring Plants Assist the Growth of Seedlings at High Altitudes in Alpine Australia?. Arctic, Antarctic, and Alpine Research, 2009, 41, 381-387.	1.1	27
48	Foliar freezing resistance of Australian alpine plants over the growing season. Austral Ecology, 2013, 38, 152-161.	1.5	26
49	Postâ€fire regeneration in alpine heathland: Does fire severity matter?. Austral Ecology, 2013, 38, 199-207.	1.5	26
50	Fire regime, not time-since-fire, affects soil fungal community diversity and composition in temperate grasslands. FEMS Microbiology Letters, 2016, 363, fnw196.	1.8	26
51	Linking Indices for Biodiversity Monitoring to Extinction Risk Theory. Conservation Biology, 2014, 28, 1575-1583.	4.7	23
52	Small-scale plant dynamics in temperateThemeda triandragrasslands of southeastern Australia. Journal of Vegetation Science, 1998, 9, 347-360.	2.2	22
53	Recent Forest Encroachment into Subalpine Grasslands near Mount Hotham, Victoria, Australia. Arctic, Antarctic, and Alpine Research, 2001, 33, 369.	1.1	22
54	Intraspecific trait variation in alpine plants relates to their elevational distribution. Journal of Ecology, 2022, 110, 860-875.	4.0	21

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55	Reproductive Success in Reestablished versus Natural Populations of a Threatened Grassland Daisy () Tj ETQq1 1 0.784314 rgBT /Ove	4.7	20
56	Resilience, persistence and relationship to standing vegetation in soil seed banks of semiâ€arid Australian old fields. Applied Vegetation Science, 2012, 15, 48-61.	1.9	20
57	Ecological Responses to 52 Years of Experimental Snow Manipulation in High-Alpine Cushionfield, Old Man Range, South-Central New Zealand. Arctic, Antarctic, and Alpine Research, 2015, 47, 751-772.	1.1	20
58	Biodiversity responds to increasing climatic extremes in a biome-specific manner. Science of the Total Environment, 2018, 634, 382-393.	8.0	19
59	Severe Habitat Fragmentation Leads to Declines in Genetic Variation, Mate Availability, and Reproductive Success in Small Populations of a Once-Common Australian Grassland Daisy. International Journal of Plant Sciences, 2013, 174, 1209-1218.	1.3	18
60	Species origin affects the rate of response to interâ€annual growing season precipitation and nutrient addition in four Australian native grasslands. Journal of Vegetation Science, 2016, 27, 1164-1176.	2.2	18
61	Increased Soil Frost Versus Summer Drought as Drivers of Plant Biomass Responses to Reduced Precipitation: Results from a Globally Coordinated Field Experiment. Ecosystems, 2018, 21, 1432-1444.	3.4	18
62	Nutrients and herbivores impact grassland stability across spatial scales through different pathways. Global Change Biology, 2022, 28, 2678-2688.	9.5	18
63	Nutrient identity modifies the destabilising effects of eutrophication in grasslands. Ecology Letters, 2022, 25, 754-765.	6.4	17
64	Changes in the stand structure (1975?2000) of coastal Banksia forest in the long absence of fire. Austral Ecology, 2007, 32, 239-244.	1.5	16
65	Comment on â€œWorldwide evidence of a unimodal relationship between productivity and plant species richnessâ€. Science, 2016, 351, 457-457.	12.6	16
66	Enhancing plant diversity in a novel grassland using seed addition. Journal of Applied Ecology, 2018, 55, 215-224.	4.0	16
67	Alpine treeline ecotone stasis in the face of recent climate change and disturbance by fire. PLoS ONE, 2020, 15, e0231339.	2.5	16
68	Predicting species and community responses to global change using structured expert judgement: An Australian mountain ecosystems case study. Global Change Biology, 2021, 27, 4420-4434.	9.5	16
69	Backcountry Huts as Introduction Points for Invasion by Non-native Species into Subalpine Vegetation. Arctic, Antarctic, and Alpine Research, 2009, 41, 238-245.	1.1	15
70	Landâ€use legacies limit the effectiveness of switches in disturbance type to restore endangered grasslands. Restoration Ecology, 2021, 29, e13271.	2.9	14
71	Temporal rarity is a better predictor of local extinction risk than spatial rarity. Ecology, 2021, 102, e03504.	3.2	14
72	Recovery of understorey vegetation after release from a long history of sheep grazing in a herbâ€rich woodland. Austral Ecology, 2010, 35, 505-514.	1.5	13

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73	Pine plantations modify local conditions in forest fragments in southeastern Australia: Insights from a fragmentation experiment. Forest Ecology and Management, 2013, 305, 264-272.	3.2	13
74	Species loss due to nutrient addition increases with spatial scale in global grasslands. Ecology Letters, 2021, 24, 2100-2112.	6.4	13
75	Germination strategies of annual forbs from south-eastern Australian semiarid grasslands. Australian Journal of Botany, 2012, 60, 340.	0.6	12
76	Multivariate drivers of diversity in temperate Australian native grasslands. Australian Journal of Botany, 2019, 67, 367.	0.6	12
77	Nitrogen increases earlyâ€stage and slows lateâ€stage decomposition across diverse grasslands. Journal of Ecology, 2022, 110, 1376-1389.	4.0	12
78	Establishment of native perennial shrubs in an agricultural landscape. Austral Ecology, 2007, 32, 617-625.	1.5	11
79	Community (re)organization in an experimentally fragmented forest landscape: insights from occupancyâ€“scale patterns of common plant species. Journal of Vegetation Science, 2012, 23, 962-969.	2.2	10
80	Timeâ€sinceâ€fire and climate interact to affect the structural recovery of an Australian semiâ€arid plant community. Austral Ecology, 2018, 43, 456-469.	1.5	10
81	Genetic data and climate niche suitability models highlight the vulnerability of a functionally important plant species from southâ€eastern Australia. Evolutionary Applications, 2020, 13, 2014-2029.	3.1	10
82	Overabundant native herbivore impacts on native plant communities in southâ€eastern Australia. Ecological Management and Restoration, 2021, 22, 9-15.	1.5	10
83	Can severe drought reverse woody plant encroachment in a temperate <scp>A</scp>ustralian woodland?. Journal of Vegetation Science, 2014, 25, 928-936.	2.2	9
84	A plant strategy approach to understand multidecadal change in community assembly processes in Australian grassy woodlands. Journal of Ecology, 2015, 103, 1300-1307.	4.0	9
85	The rise and fall of Leptospermum laevigatum: plant community change associated with the invasion and senescence of a rangeâ€expanding native species. Applied Vegetation Science, 2015, 18, 323-331.	1.9	9
86	Non-native plant cover and functional trait composition of urban temperate grasslands in relation to local- and landscape-scale road density. Biological Invasions, 2018, 20, 3025-3036.	2.4	9
87	Increasing and declining native species in urban remnant grasslands respond differently to nitrogen addition and disturbance. Annals of Botany, 2018, 121, 691-697.	2.9	8
88	What does it take to do successful adaptive management? A case study highlighting Coastal Grassy Woodland restoration at Yanakie Isthmus. Ecological Management and Restoration, 2018, 19, 111-123.	1.5	8
89	Opposing community assembly patterns for dominant and nondominant plant species in herbaceous ecosystems globally. Ecology and Evolution, 2021, 11, 17744-17761.	1.9	8
90	Multiâ€scale habitat selection by a cryptic, critically endangered grassland birdâ€”The Plainsâ€wanderer (Pedionomus torquatus): Implications for habitat management and conservation. Austral Ecology, 2022, 47, 698-712.	1.5	8

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91	Life-form speciesâ€“area relationships in a temperate eucalypt woodland community. Plant Ecology, 2011, 212, 1047-1055.	1.6	7
92	Changes in plant species density in an experimentally fragmented forest landscape: Are the effects scale-dependent?. Austral Ecology, 2014, 39, 416-423.	1.5	7
93	How Species Boundaries Are Determined: A Response to Alexander et al.. Trends in Ecology and Evolution, 2017, 32, 7-8.	8.7	7
94	Experimental changes in disturbance type do not induce shortâ€term shifts in plant community structure in three semiâ€arid grasslands of the Victorian Riverine Plain managed for nature conservation. Ecological Management and Restoration, 2012, 13, 175-182.	1.5	6
95	What potential is there for regeneration of native species from the soil seed bank in Coast Tea Tree-dominated scrub?. Ecological Management and Restoration, 2014, 15, 80-83.	1.5	6
96	The golf ball method for rapid assessment of grassland structure. Ecological Management and Restoration, 2017, 18, 134-140.	1.5	6
97	An assessment of the relationship between tree-ring counts and basal girth of high-altitude populations of Eucalyptus pauciflora (Myrtaceae). Australian Journal of Botany, 2009, 57, 583.	0.6	6
98	Livestock grazing to maintain habitat of a critically endangered grassland bird: Is grazer species important?. Ecological Applications, 2022, 32, e2587.	3.8	6
99	Local population density affects pollinator visitation in the endangered grassland daisy Rutidosis leptorhynchoides (Asteraceae). Australian Journal of Botany, 2019, 67, 638.	0.6	5
100	Dominant C 3 tussock grasses are resilient to the reâ€introduction of fire in longâ€unburned temperate grasslands. Applied Vegetation Science, 2020, 23, 149-158.	1.9	5
101	Perennial pasture grass invasion changes fire behaviour and recruitment potential of a native forb in a temperate Australian grassland. Biological Invasions, 2022, 24, 1755-1765.	2.4	5
102	Shrinking opportunities for establishment of native annual forbs in fragmented grassy woodlands. Applied Vegetation Science, 2020, 23, 575-585.	1.9	4
103	How widespread are recruitment bottlenecks in fragmented populations of the savanna tree Banksia marginata (Proteaceae)?. Plant Ecology, 2020, 221, 545-557.	1.6	4
104	The Australasian grass flora in a global context. Journal of Systematics and Evolution, 2022, 60, 675-690.	3.1	4
105	The forgotten annual forbs of Victoriaâ€™s basalt plains grassland. Ecological Management and Restoration, 2021, 22, 126-133.	1.5	1
106	Plant growth in a fragmented forest is a consequence of top-down and bottom-up processes, but not their interaction. Journal of Plant Ecology, 0, , rtw067.	2.3	0
107	Message in a bottle: Inadvertent loss of seeds of native grassland species as a result of rudimentary longâ€term storage. Ecological Management and Restoration, 2019, 20, 159-161.	1.5	0
108	Conservation challenges for Victorian Banksias: Workshop May 2020. Ecological Management and Restoration, 0, , .	1.5	0

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109	Does intraspecific variation in demography have implications for fire management of an obligateâ€seeder shrub across its geographic range?. Austral Ecology, 2021, 46, 315-323.	1.5	0
110	Survival and growth of a high mountain daisy transplanted outside its local range, and implications for climate-induced distribution shifts. AoB PLANTS, 2022, 14, plac014.	2.3	0
111	Alpine treeline ecotone stasis in the face of recent climate change and disturbance by fire. , 2020, 15, e0231339.		0
112	Alpine treeline ecotone stasis in the face of recent climate change and disturbance by fire. , 2020, 15, e0231339.		0
113	Alpine treeline ecotone stasis in the face of recent climate change and disturbance by fire. , 2020, 15, e0231339.		0
114	Alpine treeline ecotone stasis in the face of recent climate change and disturbance by fire. , 2020, 15, e0231339.		0