Angela T Moles

List of Publications by Year
in descending order

114 papers	18,078 citations	50276 46 h-index	22832 112 g-index
120 all docs	120 docs citations	120 times ranked	17638 citing authors

#	Article	IF	Citations
1	Southern hemisphere plants show more delays than advances in flowering phenology. Journal of Ecology, 2023, 111, 380-390.	4.0	2
2	Plant size and neighbourhood characteristics influence survival and growth in a restored exâ€agricultural ecosystem. Ecological Solutions and Evidence, 2022, 3, .	2.0	3
3	Global urban environmental change drives adaptation in white clover. Science, 2022, 375, 1275-1281.	12.6	62
4	Detecting steps in spatial genetic data: Which diversity measures are best?. PLoS ONE, 2022, 17, e0265110.	2.5	0
5	Arbuscular Mycorrhizal Fungi Contribute to Phosphorous Uptake and Allocation Strategies of Solidago canadensis in a Phosphorous-Deficient Environment. Frontiers in Plant Science, 2022, 13, 831654.	3.6	29
6	Alpine plants are on the move: Quantifying distribution shifts of Australian alpine plants through time. Diversity and Distributions, 2022, 28, 943-955.	4.1	15
7	The ZAX Herbivory Trainerâ€"Free software for training researchers to visually estimate leaf damage. Methods in Ecology and Evolution, 2022, 13, 596-602.	5.2	6
8	Terrestrial ecosystem restoration increases biodiversity and reduces its variability, but not to reference levels: A global metaâ€analysis. Ecology Letters, 2022, 25, 1725-1737.	6.4	25
9	Global analysis of floral longevity reveals latitudinal gradients and biotic and abiotic correlates. New Phytologist, 2022, 235, 2054-2065.	7.3	21
10	Timeâ€traveling seeds reveal that plant regeneration and growth traits are responding to climate change. Ecology, 2021, 102, e03272.	3.2	22
11	Incorporating marine macrophytes in plantâ€"soil feedbacks: Emerging evidence and opportunities to advance the field. Journal of Ecology, 2021, 109, 614-625.	4.0	2
12	Few changes in native Australian alpine plant morphology, despite substantial local climate change. Ecology and Evolution, 2021, 11, 4854-4865.	1.9	7
13	Induced defense and its cost in two bryophyte species. American Journal of Botany, 2021, 108, 777-787.	1.7	9
14	Exposure time is an important variable in quantifying postâ€dispersal seed removal. Ecology Letters, 2021, 24, 1522-1525.	6.4	3
15	Phenotypic differentiation among native, expansive and introduced populations influences invasion success. Journal of Biogeography, 2021, 48, 2907.	3.0	1
16	AusTraits, a curated plant trait database for the Australian flora. Scientific Data, 2021, 8, 254.	5.3	73
17	The contribution of pathogenic soil microbes to ring formation in an iconic Australian arid grass,. Australian Journal of Botany, 2021, 69, 113-120.	0.6	8
18	Plants are more likely to be spiny at midâ€elevations in the Qinghaiâ€Tibetan Plateau, southâ€western China. Journal of Biogeography, 2020, 47, 250-260.	3.0	12

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19	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
20	Evolution of defense and herbivory in introduced plantsâ€"Testing enemy release using a known source population, herbivore trials, and time since introduction. Ecology and Evolution, 2020, 10, 5451-5463.	1.9	7
21	A hairy situation: Plant species in warm, sunny places are more likely to have pubescent leaves. Journal of Biogeography, 2020, 47, 1934-1944.	3.0	13
22	Macroecological patterns in flower colour are shaped by both biotic and abiotic factors. New Phytologist, 2020, 228, 1972-1985.	7.3	38
23	Tropical plants do not have narrower temperature tolerances, but are more at risk from warming because they are close to their upper thermal limits. Global Ecology and Biogeography, 2020, 29, 1387-1398.	5.8	68
24	The sex with the reduced sex chromosome dies earlier: a comparison across the tree of life. Biology Letters, 2020, 16, 20190867.	2.3	108
25	Untangling direct species associations from indirect mediator species effects with graphical models. Methods in Ecology and Evolution, 2019, 10, 1571-1583.	5.2	57
26	Rapid evolution of leaf physiology in an introduced beach daisy. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191103.	2.6	8
27	Prickly pairs: the proportion of spinescent species does not differ between islands and mainlands. Journal of Plant Ecology, 2019, 12, 941-948.	2.3	13
28	Seeds tend to disperse further in the tropics. Ecology Letters, 2019, 22, 954-961.	6.4	38
29	Inverted invasions: Native plants can frequently colonise urban and highly disturbed habitats. Austral Ecology, 2019, 44, 702-712.	1.5	4
30	Rapid reshaping: the evolution of morphological changes in an introduced beach daisy. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20181713.	2.6	18
31	From dangerous branches to urban banyan: Facilitating aerial root growth of Ficus rubiginosa. PLoS ONE, 2019, 14, e0226845.	2.5	4
32	Factors shaping largeâ€scale gradients in seed physical defence: Seeds are not better defended towards the tropics. Global Ecology and Biogeography, 2018, 27, 417-428.	5.8	24
33	Citizen science in schools: Engaging students in research on urban habitat for pollinators. Austral Ecology, 2018, 43, 635-642.	1.5	45
34	Is the proportion of clonal species higher at higher latitudes in Australia?. Austral Ecology, 2018, 43, 69-75.	1.5	9
35	Can dispersal investment explain why tall plant species achieve longer dispersal distances than short plant species?. New Phytologist, 2018, 217, 407-415.	7.3	44
36	Abiotic and biotic predictors of macroecological patterns in bird and butterfly coloration. Ecological Monographs, 2018, 88, 204-224.	5.4	36

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37	Being John Harper: Using evolutionary ideas to improve understanding of global patterns in plant traits. Journal of Ecology, 2018, 106, 1-18.	4.0	122
38	Plants show more flesh in the tropics: variation in fruit type along latitudinal and climatic gradients. Ecography, 2017, 40, 531-538.	4.5	65
39	Plants do not suffer greater losses to seed predation towards the tropics. Global Ecology and Biogeography, 2017, 26, 1283-1291.	5.8	30
40	Differences in lifeâ€cycle stage components between native and introduced ranges of five woody Fabaceae species. Austral Ecology, 2017, 42, 404-413.	1.5	10
41	The Christmas tree project: comparing the effects of five treatments on the health of cut Christmas trees (Pinus radiata, Pinaceae). Australian Journal of Botany, 2016, 64, 15.	0.6	3
42	Is the notion that species interactions are stronger and more specialized in the tropics a zombie idea?. Biotropica, 2016, 48, 141-145.	1.6	114
43	The global spectrum of plant form and function. Nature, 2016, 529, 167-171.	27.8	2,022
44	A mammoth mouthful? A test of the idea that larger animals ingest larger seeds. Global Ecology and Biogeography, 2015, 24, 1269-1280.	5.8	68
45	Generalised Extreme Value Distributions Provide a Natural Hypothesis for the Shape of Seed Mass Distributions. PLoS ONE, 2015, 10, e0121724.	2.5	4
46	Zanne et al. reply. Nature, 2015, 521, E6-E7.	27.8	3
47	Birds, butterflies and flowers in the tropics are not more colourful than those at higher latitudes. Global Ecology and Biogeography, 2015, 24, 1424-1432.	5.8	35
48	Characteristic and derived diversity: implementing the species pool concept to quantify conservation condition of habitats. Diversity and Distributions, 2015, 21, 711-721.	4.1	52
49	In the beginning: phenotypic change in three invasive species through their first two centuries since introduction. Biological Invasions, 2015, 17, 1215-1225.	2.4	14
50	Roses are red, violets are blue - so how much replication should you do? An assessment of variation in the colour of flowers and birds. Biological Journal of the Linnean Society, 2015, 114, 69-81.	1.6	26
51	Asexual plants change just as often and just as fast as do sexual plants when introduced to a new range. Oikos, 2015, 124, 196-205.	2.7	18
52	Multi-scale phylogenetic structure in coastal dune plant communities across the globe. Journal of Plant Ecology, 2014, 7, 101-114.	2.3	37
53	Functional distinctiveness of major plant lineages. Journal of Ecology, 2014, 102, 345-356.	4.0	108
54	Which is a better predictor of plant traits: temperature or precipitation?. Journal of Vegetation Science, 2014, 25, 1167-1180.	2.2	323

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55	Three keys to the radiation of angiosperms into freezing environments. Nature, 2014, 506, 89-92.	27.8	1,284
56	Global Patterns in Post-Dispersal Seed Removal by Invertebrates and Vertebrates. PLoS ONE, 2014, 9, e91256.	2.5	24
57	The midâ€domain effect: it's not just about space. Journal of Biogeography, 2013, 40, 2017-2019.	3.0	21
58	Taller plants have lower rates of molecular evolution. Nature Communications, 2013, 4, 1879.	12.8	179
59	Dominant network interactions are not correlated with resource availability: a case study using mistletoe host interactions. Oikos, 2013, 122, 889-895.	2.7	5
60	Correlations between physical and chemical defences in plants: tradeoffs, syndromes, or just many different ways to skin a herbivorous cat?. New Phytologist, 2013, 198, 252-263.	7.3	124
61	No evidence for rapid evolution of seed dispersal ability in range edge populations of the invasive species <i><scp>S</scp>enecio madagascariensis</i>. Austral Ecology, 2013, 38, 915-920.	1.5	25
62	High genetic diversity is not essential for successful introduction. Ecology and Evolution, 2013, 3, 4501-4517.	1.9	66
63	Dogmatic is problematic: Interpreting evidence for latitudinal gradients in herbivory and defense. Ideas in Ecology and Evolution, 2013, 6, .	0.1	22
64	A Comparison of the Recruitment Success of Introduced and Native Species Under Natural Conditions. PLoS ONE, 2013, 8, e72509.	2.5	11
65	A Broad Approach to Abrupt Boundaries: Looking Beyond the Boundary at Soil Attributes within and Across Tropical Vegetation Types. PLoS ONE, 2013, 8, e60789.	2.5	21
66	Are Introduced Species Better Dispersers Than Native Species? A Global Comparative Study of Seed Dispersal Distance. PLoS ONE, 2013, 8, e68541.	2.5	27
67	A response to Poisot et al.: Publishing your dataset is not always virtuous. Ideas in Ecology and Evolution, 2013, 6, .	0.1	6
68	Invasions: the trail behind, the path ahead, and a test of a disturbing idea. Journal of Ecology, 2012, 100, 116-127.	4.0	180
69	Predicting network topology of mistletoeâ€“host interactions: do mistletoes really mimic their hosts?. Oikos, 2012, 121, 761-771.	2.7	30
70	The biogeography and filtering of woody plant functional diversity in North and South America. Global Ecology and Biogeography, 2012, 21, 798-808.	5.8	235
71	Traits and ecological strategies of Australian tropical and temperate climbing plants. Journal of Biogeography, 2011, 38, 828-839.	3.0	23
72	TRY â€“ a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935.	9.5	2,002

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73	Is rapid evolution common in introduced plant species?. Journal of Ecology, 2011, 99, 214-224.	4.0	150
74	Seed dispersal distance is more strongly correlated with plant height than with seed mass. Journal of Ecology, 2011, 99, 1299-1307.	4.0	484
75	Putting plant resistance traits on the map: a test of the idea that plants are better defended at lower latitudes. New Phytologist, 2011, 191, 777-788.	7.3	155
76	Not so simple after all: searching for ecological advantages of compound leaves. Oikos, 2011, 120, 813-821.	2.7	29
77	Assessing the evidence for latitudinal gradients in plant defence and herbivory. Functional Ecology, 2011, 25, 380-388.	3.6	320
78	Chasing the unknown: predicting seed dispersal mechanisms from plant traits. Journal of Ecology, 2010, 98, 1310-1318.	4.0	87
79	Alternative stable states in Australiaâ€™s Wet Tropics: a theoretical framework for the field data and a field-case for the theory. Landscape Ecology, 2009, 24, 1-13.	4.2	109
80	Evolutionary coordination between offspring size at independence and adult size. Journal of Ecology, 2009, 97, 23-26.	4.0	5
81	Global patterns in plant height. Journal of Ecology, 2009, 97, 923-932.	4.0	611
82	Is there a latitudinal gradient in seed production?. Ecography, 2009, 32, 78-82.	4.5	31
83	Re-contemplate an entangled bank:<i>The Power of Movement in Plants</i>revisited. Botanical Journal of the Linnean Society, 2009, 160, 111-118.	1.6	19
84	A new framework for predicting invasive plant species. Journal of Ecology, 2008, 96, 13-17.	4.0	113
85	Reproductive output of invasive versus native plants. Global Ecology and Biogeography, 2008, 17, 633-640.	5.8	85
86	A General Model for the Scaling of Offspring Size and Adult Size. American Naturalist, 2008, 172, 299-317.	2.1	54
87	The seedling as part of a plant's life history strategy. , 2008, , 217-238.		82
88	Fossil leaf economics quantified: calibration, Eocene case study, and implications. Paleobiology, 2007, 33, 574-589.	2.0	107
89	Global patterns in seed size. Global Ecology and Biogeography, 2007, 16, 109-116.	5.8	334
90	The global trend in plant twining direction. Global Ecology and Biogeography, 2007, 16, 795-800.	5.8	34

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91	Correlated evolution of genome size and seed mass. New Phytologist, 2007, 173, 422-437.	7.3	189
92	Seed size and plant strategy across the whole life cycle. Oikos, 2006, 113, 91-105.	2.7	501
93	Global patterns in seed size. Global Ecology and Biogeography, 2006, .	5.8	16
94	Response to Comment on "A Brief History of Seed Size". Science, 2005, 310, 783.2-783.	12.6	19
95	Factors that shape seed mass evolution. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10540-10544.	7.1	280
96	A Brief History of Seed Size. Science, 2005, 307, 576-580.	12.6	513
97	Does a latitudinal gradient in seedling survival favour larger seeds in the tropics?. Ecology Letters, 2004, 7, 911-914.	6.4	24
98	Small-seeded species produce more seeds per square metre of canopy per year, but not per individual per lifetime. Journal of Ecology, 2004, 92, 384-396.	4.0	269
99	Seedling survival and seed size: a synthesis of the literature. Journal of Ecology, 2004, 92, 372-383.	4.0	724
100	What do seedlings die from and what are the implications for evolution of seed size?. Oikos, 2004, 106, 193-199.	2.7	254
101	Seed mass and seedling establishment after fire in Ku-ring-gai Chase National Park, Sydney, Australia. Austral Ecology, 2004, 29, 383-390.	1.5	25
102	Leaf expansion times: a response to Sun (2003). Oikos, 2003, 100, 202-202.	2.7	0
103	Latitude, seed predation and seed mass. Journal of Biogeography, 2003, 30, 105-128.	3.0	213
104	Seed size and survival in the soil in arid Australia. Austral Ecology, 2003, 28, 575-585.	1.5	58
105	DO SMALL-SEEDED SPECIES HAVE HIGHER SURVIVAL THROUGH SEED PREDATION THAN LARGE-SEEDED SPECIES?. Ecology, 2003, 84, 3148-3161.	3.2	175
106	Plant Ecological Strategies: Some Leading Dimensions of Variation Between Species. Annual Review of Ecology, Evolution, and Systematics, 2002, 33, 125-159.	6.7	2,309
107	Seed addition experiments are more likely to increase recruitment in larger-seeded species. Oikos, 2002, 99, 241-248.	2.7	79
108	Characterizing plant attributes with particular emphasis on seeds in Tamaulipan thornscrub in semi-arid Mexico. Journal of Arid Environments, 2001, 48, 309-321.	2.4	19

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109	Seed size and shape and persistence in the soil in the New Zealand flora. Oikos, 2000, 89, 541-545.	2.7	120
110	Do small leaves expand faster than large leaves, and do shorter expansion times reduce herbivore damage?. Oikos, 2000, 90, 517-524.	2.7	117
111	Postâ€dispersal seed predation on eleven largeâ€seeded species from the New Zealand flora: A preliminary study in secondary forest. New Zealand Journal of Botany, 1999, 37, 679-685.	1.1	22
112	Potential contributions of the seed rain and seed bank to regeneration of native forest under plantation pine in New Zealand. New Zealand Journal of Botany, 1999, 37, 83-93.	1.1	65
113	Is there a latitudinal gradient in the proportion of species with spinescence?. Journal of Plant Ecology, 0, , rtw031.	2.3	3
114	Three Frontiers for the Future of Biodiversity Research Using Citizen Science Data. BioScience, 0, , .	4.9	22