Matthew I Daws

List of Publications by Year
in descending order

76 papers	3,073 citations	168829 31 h-index	190340 53 g-index
77 all docs	77 docs citations	77 times ranked	3005 citing authors

#	Article	IF	Citations
1	Phosphorus supply affects seedling growth of mycorrhizal but not cluster-root forming jarrah-forest species. Plant and Soil, 2022, 472, 577-594.	1.8	6
2	Climate drives patterns of seed traits in Quercus species across China. New Phytologist, 2022, 234, 1629-1638.	3.5	11
3	Nutrient enrichment diminishes plant diversity and density, and alters long-term ecological trajectories, in a biodiverse forest restoration. Ecological Engineering, 2021, 165, 106222.	1.6	12
4	Beyond species richness and community composition: Using plant functional diversity to measure restoration success in jarrah forest. Applied Vegetation Science, 2021, 24, e12607.	0.9	4
5	The benefits of fertiliser application on tree growth are transient in restored jarrah forest. Trees, Forests and People, 2021, 5, 100112.	0.8	3
6	AusTraits, a curated plant trait database for the Australian flora. Scientific Data, 2021, 8, 254.	2.4	73
7	The where, when and what of phosphorus fertilisation for seedling establishment in a biodiverse jarrah forest restoration after bauxite mining in Western Australia. Ecological Engineering, 2020, 153, 105907.	1.6	13
8	Enduring effects of large legumes and phosphorus fertiliser on jarrah forest restoration 15â€¯years after bauxite mining. Forest Ecology and Management, 2019, 438, 204-214.	1.4	15
9	Sensitivity of seedling growth to phosphorus supply in six tree species of the Australian Great Western Woodlands. Australian Journal of Botany, 2019, 67, 390.	0.3	14
10	Too much of a good thing: phosphorus over-fertilisation in rehabilitated landscapes of high biodiversity value. , 2019, , .		7
11	Applied phosphorus has long-term impacts on vegetation responses in restored jarrah forest. , 2019, , .		4
12	Nestedness patterns reveal impacts of reduced rainfall on seedling establishment in restored jarrah forest. Forest Ecology and Management, 2018, 427, 242-249.	1.4	4
13	Alternating temperature combined with darkness resets base temperature for germination (T_b) in photoblastic seeds of Lippia and Aloysia (Verbenaceae). Plant Biology, 2017, 19, 41-45.	1.8	24
14	A standardised Landsat time series (1973â€“2016) of forest leaf area index using pseudoinvariant features and spectral vegetation index isolines and a catchment hydrology application. Remote Sensing Applications: Society and Environment, 2017, 6, 1-14.	0.8	10
15	Thermal buffering capacity of the germination phenotype across the environmental envelope of the Cactaceae. Global Change Biology, 2017, 23, 5309-5317.	4.2	44
16	Habitat-linked temperature requirements for fruit germination in Quercus species: A comparative study of Quercus subgenus Cyclobalanopsis (Asian evergreen oaks) and Quercus subgenus Quercus. South African Journal of Botany, 2015, 100, 108-113.	1.2	16
17	The crypsis hypothesis explained: a reply to Jayasuriya et al. (2015). Seed Science Research, 2015, 25, 402-408.	0.8	6
18	Long-term restoration success of re-sprouter understorey species is facilitated by protection from herbivory and a reduction in competition. Plant Ecology, 2015, 216, 565-576.	0.7	32

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19	Longâ€term data suggest jarrahâ€forest establishment at restored mine sites is resistant to climate variability. Journal of Ecology, 2015, 103, 78-89.	1.9	31
20	Phosphorus fertilisation and large legume species affect jarrah forest restoration after bauxite mining. Forest Ecology and Management, 2015, 354, 10-17.	1.4	23
21	Management-driven evolution in a domesticated ecosystem. Biology Letters, 2014, 10, 20131082.	1.0	34
22	Is broad-scale smokeâ€“water application always a useful tool for improving seedling emergence in post-mining restoration? Evidence from jarrah forest restoration in Western Australia. South African Journal of Botany, 2014, 90, 109-113.	1.2	6
23	Campanulaceae: a family with small seeds that require light for germination. Annals of Botany, 2014, 113, 135-143.	1.4	54
24	Mass propagation of Austral Bracken Fern (Pteridium esculentum) sporophytes from in vitro gametophyte cultures. South African Journal of Botany, 2014, 91, 6-8.	1.2	2
25	Effectiveness of plant guards in reducing grazing of Tetraria capillaris in restored bauxite mines in Western Australia. South African Journal of Botany, 2013, 87, 4-8.	1.2	9
26	Physical dormancy in seeds: a game of hide and seek?. New Phytologist, 2013, 198, 496-503.	3.5	98
27	Conditional cold avoidance drives between-population variation in germination behaviour in Calluna vulgaris. Annals of Botany, 2013, 112, 801-810.	1.4	23
28	Nitrogen and phosphorus fertilizer regime affect jarrah forest restoration after bauxite mining in <scp>W</scp>estern <scp>A</scp>ustralia. Applied Vegetation Science, 2013, 16, 610-618.	0.9	30
29	A comparative study of desiccation responses of seeds of Asian Evergreen Oaks, Quercus subgenus Cyclobalanopsis and Quercus subgenus Quercus. South African Journal of Botany, 2012, 78, 47-54.	1.2	42
30	Rates of Water Loss and Uptake in Recalcitrant Fruits of Quercus Species Are Determined by Pericarp Anatomy. PLoS ONE, 2012, 7, e47368.	1.1	35
31	The Role of Botanic Gardens in the Science and Practice of Ecological Restoration. Conservation Biology, 2011, 25, no-no.	2.4	48
32	Seed-based approach for identifying flora at risk from climate warming. Austral Ecology, 2011, 36, 923-935.	0.7	75
33	Effects of developmental heat sum on fruit traits of clonal lines of Quercus petraea grown under controlled conditions. Plant Growth Regulation, 2011, 64, 203-206.	1.8	11
34	Replicated versus un-replicated factorial experiments for preliminary investigation of seed germination and dormancy: alternative approaches using fewer seeds. Seed Science and Technology, 2011, 39, 93-111.	0.6	3
35	Seed germination of Echinopsis schickendantzii (Cactaceae): the effects of constant and alternating temperatures. Seed Science and Technology, 2011, 39, 219-224.	0.6	12
36	Physical seed dormancy in Collaea argentina (Fabaceae) and Abutilon pauciflorum (Malvaceae) after 4 years storage. Seed Science and Technology, 2010, 38, 777-782.	0.6	16

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37	Prescribed burning of northern heathlands: CallunaÂvulgaris germination cues and seed-bank dynamics. Plant Ecology, 2010, 207, 245-256.	0.7	64
38	Glutathione half-cell reduction potential as a seed viability marker of the potential oilseed crop Vernonia galamensis. Industrial Crops and Products, 2010, 32, 687-691.	2.5	16
39	Comparative germination ecology of the endemic Centranthus amazonum (Valerianaceae) and its widespread congener Centranthus ruber. Plant Species Biology, 2010, 25, 165-172.	0.6	23
40	Onset of Dormancy, Dormancy Levels, and Appropriate Seed Production Environment for Two Subspecies ofVernonia galamensis(Cass.) Less. Journal of New Seeds, 2010, 11, 16-27.	0.3	2
41	Ecological and morphological seed traits of Polygala sardoa and P. sinisica: A comparative study on two endemic species of Sardinia. Flora: Morphology, Distribution, Functional Ecology of Plants, 2010, 205, 825-831.	0.6	3
42	Seed dormancy and germination ecology of Lamyropsis microcephala: a mountain endemic species of Sardinia (Italy). Seed Science and Technology, 2009, 37, 491-497.	0.6	13
43	Effects of temperature, light and pre-chilling on germination of Rhamnus persicifolia, an endemic tree species of Sardinia (Italy). Seed Science and Technology, 2009, 37, 758-764.	0.6	7
44	Seed mass and germination in Asteraceae species of Argentina. Seed Science and Technology, 2009, 37, 786-790.	0.6	18
45	Germination and dormancy breaking requirements for Vernonia galamensis (Asteraceae). Seed Science and Technology, 2009, 37, 1-9.	0.6	4
46	Smoke-derived butenolide: Towards understanding its biological effects. South African Journal of Botany, 2009, 75, 1-7.	1.2	112
47	The relationship between seed mass and mean time to germination for 1037 tree species across five tropical forests. Functional Ecology, 2009, 23, 203-210.	1.7	155
48	Ecological correlates of ex situ seed longevity: a comparative study on 195 species. Annals of Botany, 2009, 104, 57-69.	1.4	235
49	Germination requirements of the alpine endemic Silene elisabethae Jan: effects of cold stratification, light and GA3. Seed Science and Technology, 2009, 37, 79-87.	0.6	17
50	Butenolide from plant-derived smoke functions as a strigolactone analogue: Evidence from parasitic weed seed germination. South African Journal of Botany, 2008, 74, 116-120.	1.2	34
51	Physiological dormancy in forbs native to southâ€“west Queensland: Diagnosis and classification. South African Journal of Botany, 2008, 74, 208-213.	1.2	23
52	Pre- and Post-harvest Influences on Seed Dormancy Status of an Australian Goodeniaceae species, Goodenia fascicularis. Annals of Botany, 2008, 102, 93-101.	1.4	40
53	Germination Responses to Water Potential in Neotropical Pioneers Suggest Large-seeded Species Take More Risks. Annals of Botany, 2008, 102, 945-951.	1.4	90
54	Sources of variation in germination of Xanthorrhoea johnsonii (Xanthorrhoeaceae) seeds: maternal plant and seed mass effects. Seed Science and Technology, 2008, 36, 657-666.	0.6	4

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55	Mimicking a Semi-arid Tropical Environment Achieves Dormancy Alleviation for Seeds of Australian Native Goodeniaceae and Asteraceae. Annals of Botany, 2008, 101, 701-708.	1.4	38
56	Pre- and post-harvest influences on physiological dormancy alleviation of an Australian Asteraceae species: Actinobole uliginosum (A. Gray) H. Eichler. Seed Science Research, 2008, 18, 191-199.	0.8	15
57	Two-hundred-year seed survival of Leucospermum and two other woody species from the Cape Floristic region, South Africa. Seed Science Research, 2007, 17, 73-79.	0.8	37
58	Seed size and chilling affect germination of Larix decidua Mill. seeds. Seed Science and Technology, 2007, 35, 508-513.	0.6	6
59	Loss of desiccation tolerance during germination in neo-tropical pioneer seeds: implications for seed mortality and germination characteristics. Seed Science Research, 2007, 17, 273-281.	0.8	29
60	Responses of Liriope platyphylla F.T. Wang & T. Tang and Ophiopogon japonicus (L.f.) Ker Gawl. seeds to desiccation. Seed Science and Technology, 2007, 35, 129-133.	0.6	3
61	Impact of redÂ:Âfar red ratios on germination of temperate forest herbs in relation to shade tolerance, seed mass and persistence in the soil. Functional Ecology, 2007, 21, 1055-1062.	1.7	124
62	Do invasive species have bigger seeds? Evidence from intra- and inter-specific comparisons. South African Journal of Botany, 2007, 73, 138-143.	1.2	44
63	Extreme thermo-tolerance in seeds of desert succulents is related to maximum annual temperature. South African Journal of Botany, 2007, 73, 262-265.	1.2	21
64	Butenolide from plant-derived smoke enhances germination and seedling growth of arable weed species. Plant Growth Regulation, 2007, 51, 73-82.	1.8	114
65	Allometric relationships between seed mass and seedling characteristics reveal trade-offs for neotropical gap-dependent species. Oecologia, 2007, 154, 445-454.	0.9	40
66	Variable desiccation tolerance in Acer pseudoplatanus seeds in relation to developmental conditions: a case of phenotypic recalcitrance?. Functional Plant Biology, 2006, 33, 59.	1.1	69
67	Effect of high temperature on chalazal plug removal and germination in Apeiba tibourbou Aubl.. Seed Science and Technology, 2006, 34, 221-225.	0.6	16
68	Pressure â€“ time dependency of vacuum degassing as a rapid method for viability assessment using tetrazolium chloride: a comparative study of 17 Pinus species. Seed Science and Technology, 2006, 34, 475-483.	0.6	5
69	Prediction of Desiccation Sensitivity in Seeds of Woody Species: A Probabilistic Model Based on Two Seed Traits and 104 Species. Annals of Botany, 2006, 97, 667-674.	1.4	124
70	Effects of topographic position, leaf litter and seed size on seedling demography in a semi-deciduous tropical forest in PanamÃ¡. Plant Ecology, 2005, 179, 93-105.	0.7	48
71	Seed mass variation potentially masks a single critical water content in recalcitrant seeds. Seed Science Research, 2004, 14, 185-195.	0.8	38
72	Ecological correlates of seed desiccation tolerance in tropical African dryland trees. American Journal of Botany, 2004, 91, 863-870.	0.8	122

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73	Developmental heat sum influences recalcitrant seed traits in Aesculus hippocastanum across Europe. New Phytologist, 2004, 162, 157-166.	3.5	118
74	Patterns in the seed germination response to smoke in plants from the Cape Floristic Region, South Africa. South African Journal of Botany, 2003, 69, 514-525.	1.2	72
75	Differences in seed germination responses may promote coexistence of four sympatric Piper species. Functional Ecology, 2002, 16, 258-267.	1.7	128
76	Topographic position affects the water regime in a semideciduous tropical forest in PanamÃ¡. Plant and Soil, 2002, 238, 79-89.	1.8	150