

David T Tissue

List of Publications by Year in descending order

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Version: 2024-02-01

259
papers

18,809
citations

10986

71
h-index

16650

123
g-index

271
all docs

271
docs citations

271
times ranked

16159
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database â€œ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
2	Convergence across biomes to a common rain-use efficiency. <i>Nature</i> , 2004, 429, 651-654.	27.8	968
3	Precipitation pulses and carbon fluxes in semiarid and arid ecosystems. <i>Oecologia</i> , 2004, 141, 254-268.	2.0	942
4	A multi-species synthesis of physiological mechanisms in drought-induced tree mortality. <i>Nature Ecology and Evolution</i> , 2017, 1, 1285-1291.	7.8	739
5	Assessing the Response of Terrestrial Ecosystems to Potential Changes in Precipitation. <i>BioScience</i> , 2003, 53, 941.	4.9	680
6	Optimal stomatal behaviour around the world. <i>Nature Climate Change</i> , 2015, 5, 459-464.	18.8	397
7	Drought response strategies define the relative contributions of hydraulic dysfunction and carbohydrate depletion during tree mortality. <i>New Phytologist</i> , 2013, 197, 862-872.	7.3	378
8	Sensitivity of plants to changing atmospheric CO_2 concentration: from the geological past to the next century. <i>New Phytologist</i> , 2013, 197, 1077-1094.	7.3	336
9	Quantifying ecological memory in plant and ecosystem processes. <i>Ecology Letters</i> , 2015, 18, 221-235.	6.4	324
10	Response of <i>Eriophorum Vaginatum</i> to Elevated CO_2 and Temperature in the Alaskan Tussock Tundra. <i>Ecology</i> , 1987, 68, 401-410.	3.2	313
11	Long-term effects of elevated CO_2 and nutrients on photosynthesis and rubisco in loblolly pine seedlings. <i>Plant, Cell and Environment</i> , 1993, 16, 859-865.	5.7	257
12	Trees tolerate an extreme heatwave via sustained transpirational cooling and increased leaf thermal tolerance. <i>Global Change Biology</i> , 2018, 24, 2390-2402.	9.5	242
13	Transient nature of CO_2 fertilization in Arctic tundra. <i>Nature</i> , 1994, 371, 500-503.	27.8	227
14	Linking Microbial Community Structure and Function to Seasonal Differences in Soil Moisture and Temperature in a Chihuahuan Desert Grassland. <i>Microbial Ecology</i> , 2009, 58, 827-842.	2.8	218
15	Atmospheric CO_2 enrichment increases growth and photosynthesis of <i>Pinus taeda</i> : a 4 year experiment in the field. <i>Plant, Cell and Environment</i> , 1997, 20, 1123-1134.	5.7	209
16	Acclimation and adaptation components of the temperature dependence of plant photosynthesis at the global scale. <i>New Phytologist</i> , 2019, 222, 768-784.	7.3	171
17	Comparative responses of model C3 and C4 plants to drought in low and elevated CO_2 . <i>Global Change Biology</i> , 1999, 5, 857-867.	9.5	169
18	Non-structural carbohydrates in woody plants compared among laboratories. <i>Tree Physiology</i> , 2015, 35, tpv073.	3.1	163

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19	Mechanisms of woody-plant mortality under rising drought, CO ₂ and vapour pressure deficit. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 294-308.	29.7	163
20	Impacts of drought on leaf respiration in darkness and light in <i>Eucalyptus saligna</i> exposed to industrial-age atmospheric CO ₂ and growth temperature. <i>New Phytologist</i> , 2011, 190, 1003-1018.	7.3	162
21	Soil Microbial Responses to Temporal Variations of Moisture and Temperature in a Chihuahuan Desert Grassland. <i>Microbial Ecology</i> , 2008, 56, 153-167.	2.8	159
22	Drought and resprouting plants. <i>New Phytologist</i> , 2015, 206, 583-589.	7.3	133
23	Environmental and stomatal control of photosynthetic enhancement in the canopy of a sweetgum (<i>Liquidambar styraciflua</i> L.) plantation during 3 years of CO ₂ enrichment. <i>Plant, Cell and Environment</i> , 2002, 25, 379-393.	5.7	131
24	Physiology and proteomics of the water deficit stress response in three contrasting peanut genotypes. <i>Plant, Cell and Environment</i> , 2009, 32, 380-407.	5.7	127
25	BAAD: a Biomass And Allometry Database for woody plants. <i>Ecology</i> , 2015, 96, 1445-1445.	3.2	122
26	Effects of low and elevated CO ₂ on C ₃ and C ₄ annuals. <i>Oecologia</i> , 1995, 101, 21-28.	2.0	120
27	Soil microbial and nutrient responses to 7 years of seasonally altered precipitation in a Chihuahuan Desert grassland. <i>Global Change Biology</i> , 2014, 20, 1657-1673.	9.5	120
28	Tree hydraulic traits are coordinated and strongly linked to climate origin across a rainfall gradient. <i>Plant, Cell and Environment</i> , 2018, 41, 646-660.	5.7	120
29	Effects of low and elevated CO ₂ on C ₃ and C ₄ annuals. <i>Oecologia</i> , 1995, 101, 13-20.	2.0	118
30	Precipitation timing and magnitude differentially affect aboveground annual net primary productivity in three perennial species in a Chihuahuan Desert grassland. <i>New Phytologist</i> , 2009, 181, 230-242.	7.3	118
31	The capacity to cope with climate warming declines from temperate to tropical latitudes in two widely distributed <i>Eucalyptus</i> species. <i>Global Change Biology</i> , 2015, 21, 459-472.	9.5	118
32	Plant growth in elevated CO ₂ alters mitochondrial number and chloroplast fine structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 2473-2478.	7.1	113
33	Feature: Improving our knowledge of drought-induced forest mortality through experiments, observations, and modeling. <i>New Phytologist</i> , 2013, 200, 289-293.	7.3	113
34	Exposure to preindustrial, current and future atmospheric CO ₂ and temperature differentially affects growth and photosynthesis in <i>Eucalyptus</i> . <i>Global Change Biology</i> , 2010, 16, 303-319.	9.5	111
35	Nocturnal stomatal conductance responses to rising [CO ₂], temperature and drought. <i>New Phytologist</i> , 2012, 193, 929-938.	7.3	111
36	The photosynthesis - leaf nitrogen relationship at ambient and elevated atmospheric carbon dioxide: a meta-analysis. <i>Global Change Biology</i> , 1999, 5, 331-346.	9.5	109

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37	Whole-tree chambers for elevated atmospheric CO ₂ experimentation and tree scale flux measurements in south-eastern Australia: The Hawkesbury Forest Experiment. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 941-951.	4.8	108
38	Elevated [CO ₂] does not ameliorate the negative effects of elevated temperature on drought-induced mortality in <i>Eucalyptus radiata</i> seedlings. <i>Plant, Cell and Environment</i> , 2014, 37, 1598-1613.	5.7	108
39	Consequences of nocturnal water loss: a synthesis of regulating factors and implications for capacitance, embolism and use in models. <i>Tree Physiology</i> , 2014, 34, 1047-1055.	3.1	103
40	Co-ordination of growth, gas exchange and hydraulics define the carbon safety margin in tree species with contrasting drought strategies. <i>Tree Physiology</i> , 2014, 34, 443-458.	3.1	103
41	Photosynthetic adjustment in field-grown ponderosa pine trees after six years of exposure to elevated CO ₂ . <i>Tree Physiology</i> , 1999, 19, 221-228.	3.1	102
42	The peaked response of transpiration rate to vapour pressure deficit in field conditions can be explained by the temperature optimum of photosynthesis. <i>Agricultural and Forest Meteorology</i> , 2014, 189-190, 2-10.	4.8	102
43	The temperature responses of soil respiration in deserts: a seven desert synthesis. <i>Biogeochemistry</i> , 2011, 103, 71-90.	3.5	101
44	Rates of nocturnal transpiration in two evergreen temperate woodland species with differing water-use strategies. <i>Tree Physiology</i> , 2010, 30, 988-1000.	3.1	99
45	Differential daytime and night-time stomatal behavior in plants from North American deserts. <i>New Phytologist</i> , 2012, 194, 464-476.	7.3	99
46	Response of total night-time respiration to differences in total daily photosynthesis for leaves in a <i>Quercus rubra</i> L. canopy: implications for modelling canopy CO ₂ exchange. <i>Global Change Biology</i> , 2004, 10, 925-938.	9.5	97
47	Inter- and intra-specific variation in nocturnal water transport in <i>Eucalyptus</i> . <i>Tree Physiology</i> , 2010, 30, 586-596.	3.1	97
48	Light interception efficiency explained by two simple variables: a test using a diversity of small to medium-sized woody plants. <i>New Phytologist</i> , 2012, 193, 397-408.	7.3	96
49	Drought response strategies and hydraulic traits contribute to mechanistic understanding of plant dry-down to hydraulic failure. <i>Tree Physiology</i> , 2019, 39, 910-924.	3.1	96
50	Trait selection and community weighting are key to understanding ecosystem responses to changing precipitation regimes. <i>Functional Ecology</i> , 2018, 32, 1746-1756.	3.6	94
51	Genetic variation in circadian regulation of nocturnal stomatal conductance enhances carbon assimilation and growth. <i>Plant, Cell and Environment</i> , 2016, 39, 3-11.	5.7	93
52	Photosynthetic responses of two eucalypts to industrial-age changes in atmospheric [CO ₂] and temperature. <i>Plant, Cell and Environment</i> , 2010, 33, 1671-1681.	5.7	92
53	Growth and photosynthesis of loblolly pine (<i>Pinus taeda</i>) after exposure to elevated CO ₂ for 19 months in the field. <i>Tree Physiology</i> , 1996, 16, 49-59.	3.1	91
54	Seasonal acclimation of leaf respiration in <i>Eucalyptus saligna</i> trees: impacts of elevated atmospheric CO ₂ and summer drought. <i>Global Change Biology</i> , 2011, 17, 1560-1576.	9.5	91

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55	Carbon dynamics of eucalypt seedlings exposed to progressive drought in elevated [CO ₂] and elevated temperature. <i>Tree Physiology</i> , 2013, 33, 779-792.	3.1	91
56	Stomatal and non-stomatal limitations of photosynthesis for four tree species under drought: A comparison of model formulations. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 454-466.	4.8	91
57	Effects of elevated atmospheric CO ₂ concentration on leaf dark respiration of <i>Xanthium strumarium</i> in light and in darkness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 2479-2484.	7.1	89
58	Convergent acclimation of leaf photosynthesis and respiration to prevailing ambient temperatures under current and warmer climates in <i>Eucalyptus tereticornis</i> . <i>New Phytologist</i> , 2016, 212, 354-367.	7.3	88
59	Leaf respiration at different canopy positions in sweetgum (<i>Liquidambar styraciflua</i>) grown in ambient and elevated concentrations of carbon dioxide in the field. <i>Tree Physiology</i> , 2002, 22, 1157-1166.	3.1	87
60	An empirical method that separates irreversible stem radial growth from bark water content changes in trees: theory and case studies. <i>Plant, Cell and Environment</i> , 2017, 40, 290-303.	5.7	86
61	The onset of photosynthetic acclimation to elevated CO ₂ partial pressure in field-grown <i>Pinus radiata</i> D. Don. after 4 years. <i>Plant, Cell and Environment</i> , 2000, 23, 1089-1098.	5.7	83
62	Sap flow rates and sapwood density are critical factors in within- and between-tree variation in CO ₂ efflux from stems of mature <i>Dacrydium cupressinum</i> trees. <i>New Phytologist</i> , 2005, 167, 815-828.	7.3	83
63	Photosynthetic acclimation to long-term exposure to elevated CO ₂ concentration in <i>Pinus radiata</i> D. Don. is related to age of needles. <i>Plant, Cell and Environment</i> , 1998, 21, 1019-1028.	5.7	81
64	Scaling foliar respiration in two contrasting forest canopies. <i>Functional Ecology</i> , 2003, 17, 101-114.	3.6	81
65	Effects of an increase in summer precipitation on leaf, soil, and ecosystem fluxes of CO ₂ and H ₂ O in a sotol grassland in Big Bend National Park, Texas. <i>Oecologia</i> , 2007, 151, 704-718.	2.0	80
66	Identifying areas at risk of drought-induced tree mortality across South-Eastern Australia. <i>Global Change Biology</i> , 2020, 26, 5716-5733.	9.5	79
67	Seasonal response of photosynthesis to elevated CO ₂ in loblolly pine (<i>Pinus taeda</i> L.) over two growing seasons. <i>Global Change Biology</i> , 1996, 2, 103-114.	9.5	78
68	Effects of long-term elevated [CO ₂] from natural CO ₂ springs on <i>Nardus stricta</i> : photosynthesis, biochemistry, growth and phenology. <i>Plant, Cell and Environment</i> , 1998, 21, 417-425.	5.7	78
69	Response of <i>Xanthium strumarium</i> leaf respiration in the light to elevated CO ₂ concentration, nitrogen availability and temperature. <i>New Phytologist</i> , 2004, 162, 377-386.	7.3	78
70	Effects of lifelong [CO ₂] enrichment on carboxylation and light utilization of <i>Quercus pubescens</i> Willd. examined with gas exchange, biochemistry and optical techniques. <i>Plant, Cell and Environment</i> , 2000, 23, 1353-1362.	5.7	75
71	Effects of elevated atmospheric [CO ₂] on instantaneous transpiration efficiency at leaf and canopy scales in <i>Eucalyptus saligna</i> . <i>Global Change Biology</i> , 2012, 18, 585-595.	9.5	75
72	Utilizing intraspecific variation in phenotypic plasticity to bolster agricultural and forest productivity under climate change. <i>Plant, Cell and Environment</i> , 2015, 38, 1752-1764.	5.7	74

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73	Photosynthesis and Seed Production under Water Deficit Conditions in Transgenic Tobacco Plants That Overexpress an <i>Arabidopsis</i> Ascorbate Peroxidase Gene. <i>Crop Science</i> , 2003, 43, 1477-1483.	1.8	73
74	Radiative transfer and carbon assimilation in relation to canopy architecture, foliage area distribution and clumping in a mature temperate rainforest canopy in New Zealand. <i>Agricultural and Forest Meteorology</i> , 2005, 135, 326-339.	4.8	73
75	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021, 8, 254.	5.3	73
76	Forest fine root production and nitrogen use under elevated CO ₂ : contrasting responses in evergreen and deciduous trees explained by a common principle. <i>Global Change Biology</i> , 2009, 15, 132-144.	9.5	72
77	Age-related decline of stand biomass accumulation is primarily due to mortality and not to reduction in NPP associated with individual tree physiology, tree growth or stand structure in a <i>Quercus</i> -dominated forest. <i>Journal of Ecology</i> , 2012, 100, 428-440.	4.0	72
78	Xylem embolism in leaves does not occur with open stomata: evidence from direct observations using the optical visualization technique. <i>Journal of Experimental Botany</i> , 2020, 71, 1151-1159.	4.8	71
79	Plant functional traits differ in adaptability and are predicted to be differentially affected by climate change. <i>Ecology and Evolution</i> , 2020, 10, 232-248.	1.9	71
80	Interactive direct and plant-mediated effects of elevated atmospheric [CO ₂] and temperature on a eucalypt-feeding insect herbivore. <i>Global Change Biology</i> , 2013, 19, 1407-1416.	9.5	69
81	Coordination between leaf, stem, and root hydraulics and gas exchange in three arid zone angiosperms during severe drought and recovery. <i>Plant, Cell and Environment</i> , 2018, 41, 2869-2881.	5.7	69
82	Nitrogenase activity and N ₂ fixation are stimulated by elevated CO ₂ in a tropical N ₂ -fixing tree. <i>Oecologia</i> , 1997, 109, 28-33.	2.0	68
83	Persistent stimulation of photosynthesis by elevated CO ₂ in a sweetgum (<i>Liquidambar styraciflua</i>) forest stand. <i>New Phytologist</i> , 2004, 162, 343-354.	7.3	68
84	Light inhibition of leaf respiration in field-grown <i>Eucalyptus saligna</i> in whole-tree chambers under elevated atmospheric CO ₂ and summer drought. <i>Plant, Cell and Environment</i> , 2012, 35, 966-981.	5.7	68
85	An ecoclimatic framework for evaluating the resilience of vegetation to water deficit. <i>Global Change Biology</i> , 2016, 22, 1677-1689.	9.5	68
86	Responses of the soil microbial community to nitrogen fertilizer regimes and historical exposure to extreme weather events: Flooding or prolonged-drought. <i>Soil Biology and Biochemistry</i> , 2018, 118, 227-236.	8.8	68
87	Nocturnal stomatal conductance and implications for modelling $\delta^{18}O$ of leaf-respired CO ₂ in temperate tree species. <i>Functional Plant Biology</i> , 2005, 32, 1107.	2.1	67
88	Photosynthesis of C ₃ , C ₃ -C ₄ , and C ₄ grasses at glacial CO ₂ . <i>Journal of Experimental Botany</i> , 2014, 65, 3669-3681.	4.8	67
89	Drought responses of two gymnosperm species with contrasting stomatal regulation strategies under elevated [CO ₂] and temperature. <i>Tree Physiology</i> , 2015, 35, 756-770.	3.1	66
90	Desiccation time during drought is highly predictable across species of <i>Eucalyptus</i> from contrasting climates. <i>New Phytologist</i> , 2019, 224, 632-643.	7.3	65

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91	The contribution of bryophytes to the carbon exchange for a temperate rainforest. <i>Global Change Biology</i> , 2003, 9, 1158-1170.	9.5	64
92	Effects of age and ontogeny on photosynthetic responses of a determinate annual plant to elevated CO ₂ concentrations. <i>Plant, Cell and Environment</i> , 2002, 25, 359-368.	5.7	62
93	More than iso/anisohydry: Hydrosaples integrate plant water use and drought tolerance traits in 10 eucalypt species from contrasting climates. <i>Functional Ecology</i> , 2019, 33, 1035-1049.	3.6	60
94	Drought—CO ₂ interactions in trees: a test of the low intercellular CO ₂ concentration (C _i) mechanism. <i>New Phytologist</i> , 2016, 209, 1600-1612.	7.3	58
95	Respiration characteristics in temperate rainforest tree species differ along a long-term soil-development chronosequence. <i>Oecologia</i> , 2005, 143, 271-279.	2.0	57
96	Rooting depth explains [CO ₂] x drought interaction in <i>Eucalyptus saligna</i> . <i>Tree Physiology</i> , 2011, 31, 922-931.	3.1	57
97	Photosynthesis and reflectance indices for rainforest species in ecosystems undergoing progression and retrogression along a soil fertility chronosequence in New Zealand. <i>Oecologia</i> , 2005, 144, 233-244.	2.0	56
98	Woody clockworks: circadian regulation of nighttime water use in <i>Eucalyptus globulus</i> . <i>New Phytologist</i> , 2013, 200, 743-752.	7.3	56
99	Flooding and prolonged drought have differential legacy impacts on soil nitrogen cycling, microbial communities and plant productivity. <i>Plant and Soil</i> , 2018, 431, 371-387.	3.7	56
100	Assessing the potential functions of nocturnal stomatal conductance in C ₃ and C ₄ plants. <i>New Phytologist</i> , 2019, 223, 1696-1706.	7.3	55
101	Photosynthetic responses of cottonwood seedlings grown in glacial through future atmospheric [CO ₂] vary with phosphorus supply. <i>Tree Physiology</i> , 2010, 30, 1361-1372.	3.1	54
102	Leaf dark respiration as a function of canopy position in <i>Nothofagus fusca</i> trees grown at ambient and elevated CO ₂ partial pressures for 5 years. <i>Functional Ecology</i> , 2001, 15, 497-505.	3.6	52
103	Genetic adaptation and phenotypic plasticity contribute to greater leaf hydraulic tolerance in response to drought in warmer climates. <i>Tree Physiology</i> , 2017, 37, 583-592.	3.1	52
104	Photosynthetic characteristics in canopies of <i>Quercus rubra</i> , <i>Quercus prinus</i> and <i>Acer rubrum</i> differ in response to soil water availability. <i>Oecologia</i> , 2002, 130, 515-524.	2.0	51
105	Carbon dioxide stimulation of photosynthesis in <i>Liquidambar styraciflua</i> is not sustained during a 12-year field experiment. <i>AoB PLANTS</i> , 2015, 7, .	2.3	51
106	Phosphorus supply drives nonlinear responses of cottonwood (<i>Populus deltoides</i>) to increases in CO ₂ concentration from glacial to future concentrations. <i>New Phytologist</i> , 2010, 187, 438-448.	7.3	50
107	Silicon deposition on guard cells increases stomatal sensitivity as mediated by K ⁺ efflux and consequently reduces stomatal conductance. <i>Physiologia Plantarum</i> , 2021, 171, 358-370.	5.2	50
108	Nocturnal warming increases photosynthesis at elevated CO ₂ partial pressure in <i>Populus deltoides</i> . <i>New Phytologist</i> , 2004, 161, 819-826.	7.3	49

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109	Leaf photosynthesis, respiration and stomatal conductance in six <i>Eucalyptus</i> species native to mesic and xeric environments growing in a common garden. <i>Tree Physiology</i> , 2011, 31, 997-1006.	3.1	49
110	Elevated carbon dioxide does not affect average canopy stomatal conductance of <i>Pinus taeda</i> L.. <i>Oecologia</i> , 1998, 117, 47-52.	2.0	48
111	Leaf structural characteristics are less important than leaf chemical properties in determining the response of leaf mass per area and photosynthesis of <i>Eucalyptus saligna</i> to industrial-age changes in [CO ₂] and temperature. <i>Journal of Experimental Botany</i> , 2012, 63, 5829-5841.	4.8	47
112	Continuous light may induce photosynthetic downregulation in onion - consequences for growth and biomass partitioning. <i>Physiologia Plantarum</i> , 2005, 125, 235-246.	5.2	46
113	Interactive effects of elevated CO ₂ and drought on nocturnal water fluxes in <i>Eucalyptus saligna</i> . <i>Tree Physiology</i> , 2011, 31, 932-944.	3.1	45
114	Analysis of the growth of rimu (<i>Dacrydium cupressinum</i>) in South Westland, New Zealand, using process-based simulation models. <i>International Journal of Biometeorology</i> , 2002, 46, 66-75.	3.0	44
115	A hierarchical Bayesian approach for estimation of photosynthetic parameters of C ₃ plants. <i>Plant, Cell and Environment</i> , 2009, 32, 1695-1709.	5.7	44
116	Range size and growth temperature influence <i>Eucalyptus</i> species responses to an experimental heatwave. <i>Global Change Biology</i> , 2019, 25, 1665-1684.	9.5	44
117	Water, nitrogen and phosphorus use efficiencies of four tree species in response to variable water and nutrient supply. <i>Plant and Soil</i> , 2016, 406, 187-199.	3.7	43
118	Capacity of Old Trees to Respond to Environmental Change. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1355-1364.	8.5	42
119	Precipitation magnitude and timing differentially affect species richness and plant density in the sotol grassland of the Chihuahuan Desert. <i>Oecologia</i> , 2010, 162, 185-197.	2.0	41
120	Primed acclimation of cultivated peanut (<i>Arachis hypogaea</i> L.) through the use of deficit irrigation timed to crop developmental periods. <i>Agricultural Water Management</i> , 2012, 113, 85-95.	5.6	41
121	Near-optimal response of instantaneous transpiration efficiency to vapour pressure deficit, temperature and [CO ₂] in cotton (<i>Gossypium hirsutum</i> L.). <i>Agricultural and Forest Meteorology</i> , 2013, 168, 168-176.	4.8	41
122	Elevated CO ₂ did not affect the hydrological balance of a mature native <i>Eucalyptus</i> woodland. <i>Global Change Biology</i> , 2018, 24, 3010-3024.	9.5	41
123	CO ₂ and temperature effects on morphological and physiological traits affecting risk of drought-induced mortality. <i>Tree Physiology</i> , 2018, 38, 1138-1151.	3.1	41
124	Resource pulses in arid environments â€“ patterns of rain, patterns of life. <i>New Phytologist</i> , 2003, 157, 171-173.	7.3	40
125	Physiological responses of two contrasting desert plant species to precipitation variability are differentially regulated by soil moisture and nitrogen dynamics. <i>Global Change Biology</i> , 2009, 15, 1214-1229.	9.5	40
126	Leaf photosynthetic, economics and hydraulic traits are decoupled among genotypes of a widespread species of eucalypt grown under ambient and elevated CO ₂ . <i>Functional Ecology</i> , 2016, 30, 1491-1500.	3.6	40

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127	Adaptation and acclimation both influence photosynthetic and respiratory temperature responses in <i>Corymbia calophylla</i> . <i>Tree Physiology</i> , 2017, 37, 1095-1112.	3.1	40
128	Traits and trade-offs in whole-tree hydraulic architecture along the vertical axis of <i>Eucalyptus grandis</i> . <i>Annals of Botany</i> , 2018, 121, 129-141.	2.9	40
129	Stomatal and non-stomatal limitations to photosynthesis in four tree species in a temperate rainforest dominated by <i>Dacrydium cupressinum</i> in New Zealand. <i>Tree Physiology</i> , 2005, 25, 447-456.	3.1	39
130	To what extent can rising [CO ₂] ameliorate plant drought stress?. <i>New Phytologist</i> , 2021, 231, 2118-2124.	7.3	39
131	Leaf structural responses to pre-industrial, current and elevated atmospheric [CO ₂] and temperature affect leaf function in <i>Eucalyptus sideroxylon</i> . <i>Functional Plant Biology</i> , 2012, 39, 285.	2.1	38
132	Assessing community and ecosystem sensitivity to climate change – toward a more comparative approach. <i>Journal of Vegetation Science</i> , 2017, 28, 235-237.	2.2	38
133	A common thermal niche among geographically diverse populations of the widely distributed tree species <i>Eucalyptus tereticornis</i> : No evidence for adaptation to climate of origin. <i>Global Change Biology</i> , 2017, 23, 5069-5082.	9.5	38
134	Sensitivity of leaf photosynthesis to CO ₂ concentration is an invariant function for C ₃ plants: A test with experimental data and global applications. <i>Global Biogeochemical Cycles</i> , 1996, 10, 209-222.	4.9	37
135	Effects of leaf age and tree size on stomatal and mesophyll limitations to photosynthesis in mountain beech (<i>Nothofagus solandrii</i> var. <i>cliffortioides</i>). <i>Tree Physiology</i> , 2011, 31, 985-996.	3.1	37
136	Impacts of waterlogging on soil nitrification and ammonia-oxidizing communities in farming system. <i>Plant and Soil</i> , 2018, 426, 299-311.	3.7	37
137	Low phosphorus supply constrains plant responses to elevated CO ₂ : A meta-analysis. <i>Global Change Biology</i> , 2020, 26, 5856-5873.	9.5	37
138	Visual and hydraulic techniques produce similar estimates of cavitation resistance in woody species. <i>New Phytologist</i> , 2020, 228, 884-897.	7.3	37
139	Carbon Relations of Flowering in a Semelparous Clonal Desert Perennial. <i>Ecology</i> , 1990, 71, 273-281.	3.2	36
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