

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

150 papers	16,913 citations	59 h-index	129 g-index
163 ext. papers	19,766 ext. citations	8.7 avg, IF	6.14 L-index

#	Paper	IF	Citations
150	The worldwide leaf economics spectrum. <i>Nature</i> , 2004 , 428, 821-7	50.4	4915
149	Thermal acclimation and the dynamic response of plant respiration to temperature. <i>Trends in Plant Science</i> , 2003 , 8, 343-51	13.1	870
148	Linking litter calcium, earthworms and soil properties: a common garden test with 14 tree species. <i>Ecology Letters</i> , 2005 , 8, 811-818	10	483
147	Plant diversity enhances ecosystem responses to elevated CO ₂ and nitrogen deposition. <i>Nature</i> , 2001 , 410, 809-12	50.4	469
146	Modelling respiration of vegetation: evidence for a general temperature-dependent Q ₁₀ . <i>Global Change Biology</i> , 2001 , 7, 223-230	11.4	403
145	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , 2020 , 26, 119-188	11.4	399
144	Universal scaling of respiratory metabolism, size and nitrogen in plants. <i>Nature</i> , 2006 , 439, 457-61	50.4	388
143	The hot and the cold: unravelling the variable response of plant respiration to temperature. <i>Functional Plant Biology</i> , 2005 , 32, 87-105	2.7	371
142	Photosynthesis and respiration rates depend on leaf and root morphology and nitrogen concentration in nine boreal tree species differing in relative growth rate. <i>Functional Ecology</i> , 1998 , 12, 395-405	5.6	357
141	Linking leaf and root trait syndromes among 39 grassland and savannah species. <i>New Phytologist</i> , 2005 , 167, 493-508	9.8	356
140	Close association of RGR, leaf and root morphology, seed mass and shade tolerance in seedlings of nine boreal tree species grown in high and low light. <i>Functional Ecology</i> , 1998 , 12, 327-338	5.6	331
139	Scaling of respiration to nitrogen in leaves, stems and roots of higher land plants. <i>Ecology Letters</i> , 2008 , 11, 793-801	10	299
138	Functional traits, productivity and effects on nitrogen cycling of 33 grassland species. <i>Functional Ecology</i> , 2002 , 16, 563-574	5.6	285
137	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , 2015 , 206, 614-36	9.8	244
136	Growth and physiology of <i>Picea abies</i> populations from elevational transects: common garden evidence for altitudinal ecotypes and cold adaptation. <i>Functional Ecology</i> , 1998 , 12, 573-590	5.6	244
135	Do species and functional groups differ in acquisition and use of C, N and water under varying atmospheric CO ₂ and N availability regimes? A field test with 16 grassland species. <i>New Phytologist</i> , 2001 , 150, 435-448	9.8	217
134	Survival, growth, and photosynthesis of tree seedlings competing with herbaceous vegetation along a water-light-nitrogen gradient. <i>Plant Ecology</i> , 1999 , 145, 341-350	1.7	200

133	Acclimation of respiration to temperature and CO ₂ in seedlings of boreal tree species in relation to plant size and relative growth rate. <i>Global Change Biology</i> , 1999 , 5, 679-691	11.4	189
132	Changes in leaf nitrogen and carbohydrates underlie temperature and CO ₂ acclimation of dark respiration in five boreal tree species. <i>Plant, Cell and Environment</i> , 1999 , 22, 767-778	8.4	173
131	Variation in growth rate and ecophysiology among 34 grassland and savanna species under contrasting N supply: a test of functional group differences. <i>New Phytologist</i> , 2003 , 157, 617-631	9.8	159
130	Climate, soil and plant functional types as drivers of global fine-root trait variation. <i>Journal of Ecology</i> , 2017 , 105, 1182-1196	6	155
129	Seedlings of five boreal tree species differ in acclimation of net photosynthesis to elevated CO ₂ and temperature. <i>Tree Physiology</i> , 1998 , 18, 715-726	4.2	148
128	Coordinated approaches to quantify long-term ecosystem dynamics in response to global change. <i>Global Change Biology</i> , 2011 , 17, 843-854	11.4	144
127	Convergence in the temperature response of leaf respiration across biomes and plant functional types. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3832-7	11.5	139
126	Elevated CO ₂ does not increase eucalypt forest productivity on a low-phosphorus soil. <i>Nature Climate Change</i> , 2017 , 7, 279-282	21.4	136
125	Nutrient conservation increases with latitude of origin in European <i>Pinus sylvestris</i> populations. <i>Oecologia</i> , 2003 , 136, 220-35	2.9	133
124	Phloem as capacitor: radial transfer of water into xylem of tree stems occurs via symplastic transport in ray parenchyma. <i>Plant Physiology</i> , 2015 , 167, 963-71	6.6	127
123	Trees tolerate an extreme heatwave via sustained transpirational cooling and increased leaf thermal tolerance. <i>Global Change Biology</i> , 2018 , 24, 2390-2402	11.4	126
122	Thermal limits of leaf metabolism across biomes. <i>Global Change Biology</i> , 2017 , 23, 209-223	11.4	126
121	Irradiance, temperature and rainfall influence leaf dark respiration in woody plants: evidence from comparisons across 20 sites. <i>New Phytologist</i> , 2006 , 169, 309-19	9.8	123
120	Interaction of ozone pollution and light effects on photosynthesis in a forest canopy experiment. <i>Plant, Cell and Environment</i> , 1995 , 18, 895-905	8.4	123
119	The fate of carbon in a mature forest under carbon dioxide enrichment. <i>Nature</i> , 2020 , 580, 227-231	50.4	109
118	Isoprene emission from terrestrial ecosystems in response to global change: minding the gap between models and observations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007 , 365, 1677-95	3	108
117	Leaf gas exchange responses of 13 prairie grassland species to elevated CO ₂ and increased nitrogen supply. <i>New Phytologist</i> , 2001 , 150, 405-418	9.8	102
116	Climate determines vascular traits in the ecologically diverse genus <i>Eucalyptus</i> . <i>Ecology Letters</i> , 2016 , 19, 240-8	10	99

115	Acclimation and adaptation components of the temperature dependence of plant photosynthesis at the global scale. <i>New Phytologist</i> , 2019 , 222, 768-784	9.8	99
114	Interannual growth response of Norway spruce to climate along an altitudinal gradient in the Tatra Mountains, Poland. <i>Trees - Structure and Function</i> , 2006 , 20, 735-746	2.6	97
113	Needle Respiration and Nitrogen Concentration in Scots Pine Populations from a Broad Latitudinal Range: A Common Garden Test with Field-Grown Trees. <i>Functional Ecology</i> , 1996 , 10, 768	5.6	96
112	Foliar respiration acclimation to temperature and temperature variable Q10 alter ecosystem carbon balance. <i>Global Change Biology</i> , 2005 , 11, 435-449	11.4	93
111	The capacity to cope with climate warming declines from temperate to tropical latitudes in two widely distributed Eucalyptus species. <i>Global Change Biology</i> , 2015 , 21, 459-72	11.4	91
110	Genetic and environmental control of seasonal carbohydrate dynamics in trees of diverse <i>Pinus sylvestris</i> populations. <i>Tree Physiology</i> , 2000 , 20, 837-847	4.2	88
109	Growth and biomass partitioning of populations of European <i>Pinus sylvestris</i> L. under simulated 50% and 60% N daylengths: evidence for photoperiodic ecotypes. <i>New Phytologist</i> , 1992 , 120, 561-574	9.8	86
108	Coupling of respiration, nitrogen, and sugars underlies convergent temperature acclimation in <i>Pinus banksiana</i> across wide-ranging sites and populations. <i>Global Change Biology</i> , 2008 , 14, 782-797	11.4	85
107	Evidence that longer needle retention of spruce and pine populations at high elevations and high latitudes is largely a phenotypic response. <i>Tree Physiology</i> , 1996 , 16, 643-7	4.2	83
106	Acclimation of respiratory temperature responses in northern and southern populations of <i>Pinus banksiana</i> . <i>New Phytologist</i> , 2009 , 181, 218-229	9.8	81
105	High-resolution temperature responses of leaf respiration in snow gum (<i>Eucalyptus pauciflora</i>) reveal high-temperature limits to respiratory function. <i>Plant, Cell and Environment</i> , 2013 , 36, 1268-84	8.4	75
104	Soil nitrogen and chronic ozone stress influence physiology, growth and nutrient status of <i>Pinus taeda</i> L. and <i>Liriodendron tulipifera</i> L. seedlings. <i>New Phytologist</i> , 1991 , 119, 69-81	9.8	72
103	Implications of improved representations of plant respiration in a changing climate. <i>Nature Communications</i> , 2017 , 8, 1602	17.4	67
102	The effect of experimental warming and precipitation change on proteolytic enzyme activity: positive feedbacks to nitrogen availability are not universal. <i>Global Change Biology</i> , 2012 , 18, 2617-2625	11.4	66
101	Response of Plant Respiration to Changes in Temperature: Mechanisms and Consequences of Variations in Q10 Values and Acclimation		66
100	Light environment alters response to ozone stress in seedlings of <i>Acer saccharum</i> Marsh, and hybrid <i>Populus</i> L.: I. In situ net photosynthesis, dark respiration and growth. <i>New Phytologist</i> , 1993 , 124, 627-636	9.8	66
99	Canopy leaf area of a mature evergreen Eucalyptus woodland does not respond to elevated atmospheric [CO ₂] but tracks water availability. <i>Global Change Biology</i> , 2016 , 22, 1666-76	11.4	64
98	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	11.4	64


97	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, 354-67	9.8	64
96	Increased dark respiration and calcium deficiency of red spruce in relation to acidic deposition at high-elevation southern Appalachian Mountain sites. <i>Canadian Journal of Forest Research</i> , 1991 , 21, 1234-1244	1.9	63
95	Differential Above- and Below-ground Biomass Accumulation of European <i>Pinus sylvestris</i> Populations in a 12-year-old Provenance Experiment. <i>Scandinavian Journal of Forest Research</i> , 1999 , 14, 7-17	1.7	61
94	Using models to guide field experiments: a priori predictions for the CO ₂ response of a nutrient- and water-limited native <i>Eucalypt</i> woodland. <i>Global Change Biology</i> , 2016 , 22, 2834-51	11.4	60
93	Temperature and ontogeny mediate growth response to elevated CO ₂ in seedlings of five boreal tree species. <i>New Phytologist</i> , 1998 , 140, 197-210	9.8	59
92	Legume presence increases photosynthesis and N concentrations of co-occurring non-fixers but does not modulate their responsiveness to carbon dioxide enrichment. <i>Oecologia</i> , 2003 , 137, 22-31	2.9	59
91	Climate warming and precipitation redistribution modify tree-grass interactions and tree species establishment in a warm-temperate savanna. <i>Global Change Biology</i> , 2013 , 19, 843-57	11.4	57
90	Does physiological acclimation to climate warming stabilize the ratio of canopy respiration to photosynthesis?. <i>New Phytologist</i> , 2016 , 211, 850-63	9.8	57
89	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	5.8	56
88	Utilizing intraspecific variation in phenotypic plasticity to bolster agricultural and forest productivity under climate change. <i>Plant, Cell and Environment</i> , 2015 , 38, 1752-64	8.4	55
87	Seed mass effects on germination and growth of diverse European Scots pine populations. <i>Canadian Journal of Forest Research</i> , 1994 , 24, 306-320	1.9	55
86	Global convergence in leaf respiration from estimates of thermal acclimation across time and space. <i>New Phytologist</i> , 2015 , 207, 1026-37	9.8	54
85	Primary and secondary host plants differ in leaf-level photosynthetic response to herbivory: evidence from <i>Alnus</i> and <i>Betula</i> grazed by the alder beetle, <i>Agelastica alni</i> . <i>New Phytologist</i> , 1998 , 140, 239-249	9.8	50
84	Light environment alters response to ozone stress in seedlings of <i>Acer saccharum</i> Marsh, and hybrid <i>Populus L.</i> : II. Diagnostic gas exchange and leaf chemistry. <i>New Phytologist</i> , 1993 , 124, 637-646	9.8	49
83	Contrasting growth response of an N ₂ -fixing and non-fixing forb to elevated CO ₂ : dependence on soil N supply. <i>Plant and Soil</i> , 2003 , 255, 475-486	4.2	47
82	Needle nutrients in geographically diverse <i>Pinus sylvestris</i> L. populations. <i>Annals of Forest Science</i> , 2002 , 59, 1-18	3.1	47
81	Contrasting physiological responsiveness of establishing trees and a C ₄ grass to rainfall events, intensified summer drought, and warming in oak savanna. <i>Global Change Biology</i> , 2010 , 16, 3349-3362	11.4	46
80	Crown structure and biomass allocation patterns modulate aboveground productivity in young loblolly pine and slash pine. <i>Forest Ecology and Management</i> , 2007 , 243, 219-230	3.9	44

79	Acid deposition alters red spruce physiology: laboratory studies support field observations. <i>Canadian Journal of Forest Research</i> , 1993 , 23, 380-386	1.9	44
78	Short-term carbon cycling responses of a mature eucalypt woodland to gradual stepwise enrichment of atmospheric CO ₂ concentration. <i>Global Change Biology</i> , 2016 , 22, 380-90	11.4	41
77	Controls over leaf and litter calcium concentrations among temperate trees. <i>Biogeochemistry</i> , 2007 , 86, 175-187	3.8	40
76	Relationship of aluminium and calcium to net CO exchange among diverse Scots pine provenances under pollution stress in Poland. <i>Oecologia</i> , 1994 , 97, 82-92	2.9	40
75	Coupled response of stomatal and mesophyll conductance to light enhances photosynthesis of shade leaves under sunflecks. <i>Plant, Cell and Environment</i> , 2016 , 39, 2762-2773	8.4	39
74	Leaf traits in relation to crown development, light interception and growth of elite families of loblolly and slash pine. <i>Tree Physiology</i> , 2008 , 28, 729-42	4.2	34
73	Seed transfer and climate change effects on radial growth of jack pine populations in a common garden in Petawawa, Ontario, Canada. <i>Forest Ecology and Management</i> , 2007 , 242, 636-647	3.9	33
72	Ontogenetic patterns of leaf CO ₂ exchange, morphology and chemistry in <i>Betula pendula</i> trees. <i>Trees - Structure and Function</i> , 2000 , 14, 271-281	2.6	33
71	Direct inhibition of leaf dark respiration by elevated CO ₂ is minor in 12 grassland species. <i>New Phytologist</i> , 2001 , 150, 419-424	9.8	31
70	Light environment alters response to ozone stress in seedlings of <i>Acer saccharum</i> Marsh, and hybrid <i>Populus L.</i> : III. Consequences for performance of gypsy moth. <i>New Phytologist</i> , 1993 , 124, 647-657	9.8	31
69	Biogeographic differences in shoot elongation pattern among European Scots pine populations. <i>Forest Ecology and Management</i> , 2001 , 148, 207-220	3.9	30
68	Rhizosphere-driven increase in nitrogen and phosphorus availability under elevated atmospheric CO ₂ in a mature <i>Eucalyptus</i> woodland. <i>Plant and Soil</i> , 2017 , 416, 283-295	4.2	29
67	Adaptation and acclimation both influence photosynthetic and respiratory temperature responses in <i>Corymbia calophylla</i> . <i>Tree Physiology</i> , 2017 , 37, 1095-1112	4.2	29
66	Seedling growth and biomass allocation in relation to leaf habit and shade tolerance among 10 temperate tree species. <i>Tree Physiology</i> , 2015 , 35, 879-93	4.2	28
65	Photosynthetic capacity and leaf nitrogen decline along a controlled climate gradient in provenances of two widely distributed <i>Eucalyptus</i> species. <i>Global Change Biology</i> , 2018 , 24, 4626-4644	11.4	28
64	Range size and growth temperature influence <i>Eucalyptus</i> species responses to an experimental heatwave. <i>Global Change Biology</i> , 2019 , 25, 1665-1684	11.4	26
63	Plant respiration: Controlled by photosynthesis or biomass?. <i>Global Change Biology</i> , 2020 , 26, 1739-1753	11.4	26
62	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	11.4	25

61	Drought increases heat tolerance of leaf respiration in <i>Eucalyptus globulus</i> saplings grown under both ambient and elevated atmospheric [CO ₂] and temperature. <i>Journal of Experimental Botany</i> , 2014 , 65, 6471-85	7	25
60	Circadian rhythms have significant effects on leaf-to-canopy scale gas exchange under field conditions. <i>GigaScience</i> , 2016 , 5, 43	7.6	24
59	Altered root growth and plant chemistry of <i>Pinus sylvestris</i> seedlings subjected to aluminum in nutrient solution. <i>Trees - Structure and Function</i> , 1996 , 10, 135-144	2.6	23
58	Plasticity in seedling morphology, biomass allocation and physiology among ten temperate tree species in response to shade is related to shade tolerance and not leaf habit. <i>Plant Biology</i> , 2017 , 19, 172-182	3.7	22
57	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	4.1	22
56	COSORE: A community database for continuous soil respiration and other soil-atmosphere greenhouse gas flux data. <i>Global Change Biology</i> , 2020 , 26, 7268-7283	11.4	22
55	The partitioning of gross primary production for young <i>Eucalyptus tereticornis</i> trees under experimental warming and altered water availability. <i>New Phytologist</i> , 2019 , 222, 1298-1312	9.8	21
54	Macromolecular rate theory (MMRT) provides a thermodynamics rationale to underpin the convergent temperature response in plant leaf respiration. <i>Global Change Biology</i> , 2018 , 24, 1538-1547	11.4	21
53	Climate warming and tree carbon use efficiency in a whole-tree CO tracer study. <i>New Phytologist</i> , 2019 , 222, 1313-1324	9.8	20
52	Variation in aboveground net primary production of diverse European <i>Pinus sylvestris</i> populations. <i>Trees - Structure and Function</i> , 2000 , 14, 415-421	2.6	20
51	Needle CO. <i>Trees - Structure and Function</i> , 1997 , 12, 82	2.6	19
50	Nutritional Status of Pollen and Needles of Diverse <i>Pinus Sylvestris</i> Populations Grown at Sites with Contrasting Pollution. <i>Water, Air, and Soil Pollution</i> , 1999 , 110, 195-212	2.6	17
49	Climate warming and plant biomechanical defences: Silicon addition contributes to herbivore suppression in a pasture grass. <i>Functional Ecology</i> , 2019 , 33, 587-596	5.6	16
48	Photosynthesis and carbon allocation are both important predictors of genotype productivity responses to elevated CO ₂ in <i>Eucalyptus camaldulensis</i> . <i>Tree Physiology</i> , 2018 , 38, 1286-1301	4.2	16
47	Altered root growth and plant chemistry of <i>Pinus sylvestris</i> seedlings subjected to aluminum in nutrient solution. <i>Trees - Structure and Function</i> , 1996 , 10, 135-144	2.6	16
46	The temperature optima for tree seedling photosynthesis and growth depend on water inputs. <i>Global Change Biology</i> , 2019 , 26, 2544	11.4	15
45	Three years of soil respiration in a mature eucalypt woodland exposed to atmospheric CO ₂ enrichment. <i>Biogeochemistry</i> , 2018 , 139, 85-101	3.8	14
44	Growth and physiological changes in red spruce saplings associated with acidic deposition at high elevations in the southern Appalachians, USA. <i>Forest Ecology and Management</i> , 1992 , 51, 43-51	3.9	14

43	Responses of respiration in the light to warming in field-grown trees: a comparison of the thermal sensitivity of the Kok and Laisk methods. <i>New Phytologist</i> , 2019 , 222, 132-143	9.8	13
42	Night and day [Circadian regulation of night-time dark respiration and light-enhanced dark respiration in plant leaves and canopies. <i>Environmental and Experimental Botany</i> , 2017 , 137, 14-25	5.9	12
41	correction: Plant diversity enhances ecosystem responses to elevated CO ₂ and nitrogen deposition. <i>Nature</i> , 2001 , 411, 824	50.4	12
40	Seasonal variation in nitrate reductase activity in needles of high-elevation red spruce trees. <i>Canadian Journal of Forest Research</i> , 1992 , 22, 375-380	1.9	12
39	No evidence for triose phosphate limitation of light-saturated leaf photosynthesis under current atmospheric CO ₂ concentration. <i>Plant, Cell and Environment</i> , 2019 , 42, 3241-3252	8.4	11
38	Does the exception prove the rule? (Reply). <i>Nature</i> , 2007 , 445, E10-E11	50.4	11
37	An open-air system for exposing forest-canopy branches to ozone pollution. <i>Plant, Cell and Environment</i> , 1994 , 17, 211-218	8.4	11
36	Functional adaptations and trait plasticity of urban trees along a climatic gradient. <i>Urban Forestry and Urban Greening</i> , 2020 , 54, 126771	5.4	10
35	Needle CO ₂ exchange, structure and defense traits in relation to needle age in <i>Pinus heldreichii</i> Christ [a relict of Tertiary flora. <i>Trees - Structure and Function</i> , 1997 , 12, 82-89	2.6	10
34	Geographic origin of <i>Pinus sylvestris</i> populations influences the effects of air pollution on flowering and growth. <i>Water, Air, and Soil Pollution</i> , 1992 , 62, 201-212	2.6	10
33	Differential Above- and Below-ground Biomass Accumulation of European <i>Pinus sylvestris</i> Populations in a 12-year-old Provenance Experiment		10
32	Ecotrons: Powerful and versatile ecosystem analysers for ecology, agronomy and environmental science. <i>Global Change Biology</i> , 2021 , 27, 1387-1407	11.4	10
31	Acclimation of leaf respiration temperature responses across thermally contrasting biomes. <i>New Phytologist</i> , 2021 , 229, 1312-1325	9.8	10
30	The temperature response of leaf dark respiration in 15 provenances of <i>Eucalyptus grandis</i> grown in ambient and elevated CO ₂ . <i>Functional Plant Biology</i> , 2017 , 44, 1075-1086	2.7	8
29	Environmental and genetic effects on crown shape in young loblolly pine plantations. <i>Canadian Journal of Forest Research</i> , 2009 , 39, 691-698	1.9	8
28	Extreme heat increases stomatal conductance and drought-induced mortality risk in vulnerable plant species. <i>Global Change Biology</i> , 2021 ,	11.4	8
27	Assessing the vulnerability of Australia's urban forests to climate extremes. <i>Plants People Planet</i> , 2019 , 1, 387-397	4.1	8
26	Vessel diameter and related hydraulic traits of 31 <i>Eucalyptus</i> species arrayed along a gradient of water availability. <i>Ecology</i> , 2016 , 97, 1626	4.6	7

25	The many faces of climate warming. <i>New Phytologist</i> , 2007 , 176, 739-742	9.8	7
24	Ontogenetic patterns of leaf CO ₂ exchange, morphology and chemistry in <i>Betula pendula</i> trees 2000 , 14, 271		7
23	An extreme heatwave enhanced the xanthophyll de-epoxidation state in leaves of trees grown in the field. <i>Physiology and Molecular Biology of Plants</i> , 2020 , 26, 211-218	2.8	7
22	Temperature response measurements from eucalypts give insight into the impact of Australian isoprene emissions on air quality in 2050. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6193-6206	6.8	6
21	The role of thermal acclimation of plant respiration under climate warming: Putting the brakes on a runaway train?. <i>Plant, Cell and Environment</i> , 2018 , 41, 501-503	8.4	6
20	Whole-plant CO ₂ exchange of seedlings of two <i>Pinus sylvestris</i> L. provenances grown under simulated photoperiodic conditions of 50% and 60% N. <i>Trees - Structure and Function</i> , 1992 , 6, 225	2.6	6
19	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021 , 8, 254	8.2	6
18	No evidence of homeostatic regulation of leaf temperature in <i>Eucalyptus parramattensis</i> trees: integration of CO flux and oxygen isotope methodologies. <i>New Phytologist</i> , 2020 , 228, 1511-1523	9.8	5
17	Does root respiration in Australian rainforest tree seedlings acclimate to experimental warming?. <i>Tree Physiology</i> , 2020 , 40, 1192-1204	4.2	5
16	Circadian rhythms regulate the environmental responses of net CO ₂ exchange in bean and cotton canopies. <i>Agricultural and Forest Meteorology</i> , 2017 , 239, 185-191	5.8	4
15	Intraspecies variation in a widely distributed tree species regulates the responses of soil microbiome to different temperature regimes. <i>Environmental Microbiology Reports</i> , 2018 , 10, 167-178	3.7	4
14	Urea fertilization effects on nutrient uptake and growth of <i>Platanus occidentalis</i> during plantation establishment. <i>Trees - Structure and Function</i> , 1993 , 7, 250	2.6	4
13	Pastures and Climate Extremes: Impacts of warming and drought on the productivity and resilience of key pasture species in a field experiment		4
12	Increasing aridity will not offset CO fertilization in fast-growing eucalypts with access to deep soil water. <i>Global Change Biology</i> , 2021 , 27, 2970-2990	11.4	4
11	Reply to Adams et al.: Empirical versus process-based approaches to modeling temperature responses of leaf respiration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5996-E5997	11.5	4
10	Contrasting heat tolerance of urban trees to extreme temperatures during heatwaves. <i>Urban Forestry and Urban Greening</i> , 2021 , 66, 127387	5.4	3
9	Plant respiration: controlled by photosynthesis or biomass?		3
8	Temperature Reduction in Urban Surface Materials through Tree Shading Depends on Surface Type Not Tree Species. <i>Forests</i> , 2020 , 11, 1141	2.8	2

7	Water availability drives fine root dynamics in a Eucalyptus woodland under elevated atmospheric CO ₂ concentration. <i>Functional Ecology</i> , 2020 , 34, 2389-2402	5.6	2
6	Whole-tree mesophyll conductance reconciles isotopic and gas-exchange estimates of water-use efficiency. <i>New Phytologist</i> , 2021 , 229, 2535-2547	9.8	2
5	Concurrent Measurements of Soil and Ecosystem Respiration in a Mature Eucalypt Woodland: Advantages, Lessons, and Questions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG006221	3.7	1
4	AusTraits  curated plant trait database for the Australian flora		1
3	Pastures and Climate Extremes: Impacts of Cool Season Warming and Drought on the Productivity of Key Pasture Species in a Field Experiment.. <i>Frontiers in Plant Science</i> , 2022 , 13, 836968	6.2	0
2	Mark G. Tjoelker. <i>New Phytologist</i> , 2019 , 222, 1188-1189	9.8	
1	Elevated CO ₂ alters the temperature sensitivity of stem CO ₂ efflux in a mature eucalypt woodland. <i>Environmental and Experimental Botany</i> , 2021 , 188, 104508	5.9	