Mark G. Tjoelker

List of Publications by Year in Descending Order

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	Pastures and Climate Extremes: Impacts of Cool Season Warming and Drought on the Productivity of Key Pasture Species in a Field Experiment.. *Frontiers in Plant Science*, **2022**, 13, 836968	6.2	0
149	Extreme heat increases stomatal conductance and drought-induced mortality risk in vulnerable plant species. *Global Change Biology*, **2021**,	11.4	8
148	Contrasting heat tolerance of urban trees to extreme temperatures during heatwaves. *Urban Forestry and Urban Greening*, **2021**, 66, 127387	5.4	3
147	Concurrent Measurements of Soil and Ecosystem Respiration in a Mature Eucalypt Woodland: Advantages, Lessons, and Questions. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2020JG006221	3.7	1
146	Increasing aridity will not offset CO fertilization in fast-growing eucalypts with access to deep soil water. *Global Change Biology*, **2021**, 27, 2970-2990	11.4	4
145	Ecotrons: Powerful and versatile ecosystem analysers for ecology, agronomy and environmental science. *Global Change Biology*, **2021**, 27, 1387-1407	11.4	10
144	Whole-tree mesophyll conductance reconciles isotopic and gas-exchange estimates of water-use efficiency. *New Phytologist*, **2021**, 229, 2535-2547	9.8	2
143	Acclimation of leaf respiration temperature responses across thermally contrasting biomes. *New Phytologist*, **2021**, 229, 1312-1325	9.8	10
142	Elevated CO2 alters the temperature sensitivity of stem CO2 efflux in a mature eucalypt woodland. *Environmental and Experimental Botany*, **2021**, 188, 104508	5.9	
141	AusTraits, a curated plant trait database for the Australian flora. *Scientific Data*, **2021**, 8, 254	8.2	6
140	Temperature Reduction in Urban Surface Materials through Tree Shading Depends on Surface Type Not Tree Species. *Forests*, **2020**, 11, 1141	2.8	2
139	Temperature response measurements from eucalypts give insight into the impact of Australian isoprene emissions on air quality in 2050. *Atmospheric Chemistry and Physics*, **2020**, 20, 6193-6206	6.8	6
138	No evidence of homeostatic regulation of leaf temperature in Eucalyptus parramattensis trees: integration of CO flux and oxygen isotope methodologies. *New Phytologist*, **2020**, 228, 1511-1523	9.8	5
137	The fate of carbon in a mature forest under carbon dioxide enrichment. *Nature*, **2020**, 580, 227-231	50.4	109
136	Functional adaptations and trait plasticity of urban trees along a climatic gradient. *Urban Forestry and Urban Greening*, **2020**, 54, 126771	5.4	10
135	Does root respiration in Australian rainforest tree seedlings acclimate to experimental warming?. *Tree Physiology*, **2020**, 40, 1192-1204	4.2	5
134	An extreme heatwave enhanced the xanthophyll de-epoxidation state in leaves of trees grown in the field. *Physiology and Molecular Biology of Plants*, **2020**, 26, 211-218	2.8	7

133	TRY plant trait database - enhanced coverage and open access. *Global Change Biology*, **2020**, 26, 119-188	11.4	399
132	COSORE: A community database for continuous soil respiration and other soil-atmosphere greenhouse gas flux data. *Global Change Biology*, **2020**, 26, 7268-7283	11.4	22
131	Water availability drives fine root dynamics in a Eucalyptus woodland under elevated atmospheric CO2 concentration. *Functional Ecology*, **2020**, 34, 2389-2402	5.6	2
130	Plant respiration: Controlled by photosynthesis or biomass?. *Global Change Biology*, **2020**, 26, 1739-1753	11.4	26
129	Climate warming and plant biomechanical defences: Silicon addition contributes to herbivore suppression in a pasture grass. *Functional Ecology*, **2019**, 33, 587-596	5.6	16
128	Climate warming and tree carbon use efficiency in a whole-tree CO tracer study. *New Phytologist*, **2019**, 222, 1313-1324	9.8	20
127	Range size and growth temperature influence Eucalyptus species responses to an experimental heatwave. *Global Change Biology*, **2019**, 25, 1665-1684	11.4	26
126	No evidence for triose phosphate limitation of light-saturated leaf photosynthesis under current atmospheric CO concentration. *Plant, Cell and Environment*, **2019**, 42, 3241-3252	8.4	11
125	Mark G. Tjoelker. *New Phytologist*, **2019**, 222, 1188-1189	9.8	
124	The temperature optima for tree seedling photosynthesis and growth depend on water inputs. *Global Change Biology*, **2019**, 26, 2544	11.4	15
123	Assessing the vulnerability of Australia urban forests to climate extremes. *Plants People Planet*, **2019**, 1, 387-397	4.1	8
122	Acclimation and adaptation components of the temperature dependence of plant photosynthesis at the global scale. *New Phytologist*, **2019**, 222, 768-784	9.8	99
121	Responses of respiration in the light to warming in field-grown trees: a comparison of the thermal sensitivity of the Kok and Laisk methods. *New Phytologist*, **2019**, 222, 132-143	9.8	13
120	The partitioning of gross primary production for young Eucalyptus tereticornis trees under experimental warming and altered water availability. *New Phytologist*, **2019**, 222, 1298-1312	9.8	21
119	Traits and trade-offs in whole-tree hydraulic architecture along the vertical axis of Eucalyptus grandis. *Annals of Botany*, **2018**, 121, 129-141	4.1	22
118	The role of thermal acclimation of plant respiration under climate warming: Putting the brakes on a runaway train?. *Plant, Cell and Environment*, **2018**, 41, 501-503	8.4	6
117	Intraspecies variation in a widely distributed tree species regulates the responses of soil microbiome to different temperature regimes. *Environmental Microbiology Reports*, **2018**, 10, 167-178	3.7	4
116	Trees tolerate an extreme heatwave via sustained transpirational cooling and increased leaf thermal tolerance. *Global Change Biology*, **2018**, 24, 2390-2402	11.4	126

115	Photosynthesis and carbon allocation are both important predictors of genotype productivity responses to elevated CO2 in Eucalyptus camaldulensis. *Tree Physiology*, **2018**, 38, 1286-1301	4.2	16
114	Three years of soil respiration in a mature eucalypt woodland exposed to atmospheric CO2 enrichment. *Biogeochemistry*, **2018**, 139, 85-101	3.8	14
113	Macromolecular rate theory (MMRT) provides a thermodynamics rationale to underpin the convergent temperature response in plant leaf respiration. *Global Change Biology*, **2018**, 24, 1538-1547	11.4	21
112	Photosynthetic capacity and leaf nitrogen decline along a controlled climate gradient in provenances of two widely distributed Eucalyptus species. *Global Change Biology*, **2018**, 24, 4626-4644	11.4	28
111	Night and day □Circadian regulation of night-time dark respiration and light-enhanced dark respiration in plant leaves and canopies. *Environmental and Experimental Botany*, **2017**, 137, 14-25	5.9	12
110	Elevated CO2 does not increase eucalypt forest productivity on a low-phosphorus soil. *Nature Climate Change*, **2017**, 7, 279-282	21.4	136
109	Climate, soil and plant functional types as drivers of global fine-root trait variation. *Journal of Ecology*, **2017**, 105, 1182-1196	6	155
108	Rhizosphere-driven increase in nitrogen and phosphorus availability under elevated atmospheric CO2 in a mature Eucalyptus woodland. *Plant and Soil*, **2017**, 416, 283-295	4.2	29
107	A common thermal niche among geographically diverse populations of the widely distributed tree species Eucalyptus tereticornis: No evidence for adaptation to climate-of-origin. *Global Change Biology*, **2017**, 23, 5069-5082	11.4	25
106	Circadian rhythms regulate the environmental responses of net CO2 exchange in bean and cotton canopies. *Agricultural and Forest Meteorology*, **2017**, 239, 185-191	5.8	4
105	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. *Plant Biology*, **2017**, 19, 172-182	3.7	22
104	Adaptation and acclimation both influence photosynthetic and respiratory temperature responses in Corymbia calophylla. *Tree Physiology*, **2017**, 37, 1095-1112	4.2	29
103	The temperature response of leaf dark respiration in 15 provenances of Eucalyptus grandis grown in ambient and elevated CO. *Functional Plant Biology*, **2017**, 44, 1075-1086	2.7	8
102	Stomatal and non-stomatal limitations of photosynthesis for four tree species under drought: A comparison of model formulations. *Agricultural and Forest Meteorology*, **2017**, 247, 454-466	5.8	56
101	Implications of improved representations of plant respiration in a changing climate. *Nature Communications*, **2017**, 8, 1602	17.4	67
100	Thermal limits of leaf metabolism across biomes. *Global Change Biology*, **2017**, 23, 209-223	11.4	126
99	Short-term carbon cycling responses of a mature eucalypt woodland to gradual stepwise enrichment of atmospheric CO2 concentration. *Global Change Biology*, **2016**, 22, 380-90	11.4	41
98	Coupled response of stomatal and mesophyll conductance to light enhances photosynthesis of shade leaves under sunflecks. *Plant, Cell and Environment*, **2016**, 39, 2762-2773	8.4	39

97	Vessel diameter and related hydraulic traits of 31 Eucalyptus species arrayed along a gradient of water availability. *Ecology*, **2016**, 97, 1626	4.6	7
96	Canopy leaf area of a mature evergreen Eucalyptus woodland does not respond to elevated atmospheric [CO2] but tracks water availability. *Global Change Biology*, **2016**, 22, 1666-76	11.4	64
95	Using models to guide field experiments: a priori predictions for the CO2 response of a nutrient- and water-limited native Eucalypt woodland. *Global Change Biology*, **2016**, 22, 2834-51	11.4	60
94	Convergence in the temperature response of leaf respiration across biomes and plant functional types. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3832-7	11.5	139
93	Convergent acclimation of leaf photosynthesis and respiration to prevailing ambient temperatures under current and warmer climates in Eucalyptus tereticornis. *New Phytologist*, **2016**, 212, 354-67	9.8	64
92	Does physiological acclimation to climate warming stabilize the ratio of canopy respiration to photosynthesis?. *New Phytologist*, **2016**, 211, 850-63	9.8	57
91	Climate determines vascular traits in the ecologically diverse genus Eucalyptus. *Ecology Letters*, **2016**, 19, 240-8	10	99
90	Circadian rhythms have significant effects on leaf-to-canopy scale gas exchange under field conditions. *GigaScience*, **2016**, 5, 43	7.6	24
89	Reply to Adams et al.: Empirical versus process-based approaches to modeling temperature responses of leaf respiration. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E5996-E5997	11.5	4
88	Phloem as capacitor: radial transfer of water into xylem of tree stems occurs via symplastic transport in ray parenchyma. *Plant Physiology*, **2015**, 167, 963-71	6.6	127
87	The capacity to cope with climate warming declines from temperate to tropical latitudes in two widely distributed Eucalyptus species. *Global Change Biology*, **2015**, 21, 459-72	11.4	91
86	Global convergence in leaf respiration from estimates of thermal acclimation across time and space. *New Phytologist*, **2015**, 207, 1026-37	9.8	54
85	Seedling growth and biomass allocation in relation to leaf habit and shade tolerance among 10 temperate tree species. *Tree Physiology*, **2015**, 35, 879-93	4.2	28
84	Utilizing intraspecific variation in phenotypic plasticity to bolster agricultural and forest productivity under climate change. *Plant, Cell and Environment*, **2015**, 38, 1752-64	8.4	55
83	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. *New Phytologist*, **2015**, 206, 614-36	9.8	244
82	Drought increases heat tolerance of leaf respiration in Eucalyptus globulus saplings grown under both ambient and elevated atmospheric [CO2] and temperature. *Journal of Experimental Botany*, **2014**, 65, 6471-85	7	25
81	High-resolution temperature responses of leaf respiration in snow gum (Eucalyptus pauciflora) reveal high-temperature limits to respiratory function. *Plant, Cell and Environment*, **2013**, 36, 1268-84	8.4	75
80	Climate warming and precipitation redistribution modify tree-grass interactions and tree species establishment in a warm-temperate savanna. *Global Change Biology*, **2013**, 19, 843-57	11.4	57

79	The effect of experimental warming and precipitation change on proteolytic enzyme activity: positive feedbacks to nitrogen availability are not universal. *Global Change Biology*, **2012**, 18, 2617-2625	11.4	66
78	Coordinated approaches to quantify long-term ecosystem dynamics in response to global change. *Global Change Biology*, **2011**, 17, 843-854	11.4	144
77	Seasonal acclimation of leaf respiration in Eucalyptus saligna trees: impacts of elevated atmospheric CO2 and summer drought. *Global Change Biology*, **2011**, 17, 1560-1576	11.4	64
76	Contrasting physiological responsiveness of establishing trees and a C4 grass to rainfall events, intensified summer drought, and warming in oak savanna. *Global Change Biology*, **2010**, 16, 3349-3362	11.4	46
75	Acclimation of respiratory temperature responses in northern and southern populations of Pinus banksiana. *New Phytologist*, **2009**, 181, 218-229	9.8	81
74	Environmental and genetic effects on crown shape in young loblolly pine plantations. *Canadian Journal of Forest Research*, **2009**, 39, 691-698	1.9	8
73	Scaling of respiration to nitrogen in leaves, stems and roots of higher land plants. *Ecology Letters*, **2008**, 11, 793-801	10	299
72	Coupling of respiration, nitrogen, and sugars underlies convergent temperature acclimation in Pinus banksiana across wide-ranging sites and populations. *Global Change Biology*, **2008**, 14, 782-797	11.4	85
71	Leaf traits in relation to crown development, light interception and growth of elite families of loblolly and slash pine. *Tree Physiology*, **2008**, 28, 729-42	4.2	34
70	Does the exception prove the rule? (Reply). *Nature*, **2007**, 445, E10-E11	50.4	11
69	The many faces of climate warming. *New Phytologist*, **2007**, 176, 739-742	9.8	7
68	Controls over leaf and litter calcium concentrations among temperate trees. *Biogeochemistry*, **2007**, 86, 175-187	3.8	40
67	Seed transfer and climate change effects on radial growth of jack pine populations in a common garden in Petawawa, Ontario, Canada. *Forest Ecology and Management*, **2007**, 242, 636-647	3.9	33
66	Crown structure and biomass allocation patterns modulate aboveground productivity in young loblolly pine and slash pine. *Forest Ecology and Management*, **2007**, 243, 219-230	3.9	44
65	Isoprene emission from terrestrial ecosystems in response to global change: minding the gap between models and observations. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2007**, 365, 1677-95	3	108
64	Irradiance, temperature and rainfall influence leaf dark respiration in woody plants: evidence from comparisons across 20 sites. *New Phytologist*, **2006**, 169, 309-19	9.8	123
63	Universal scaling of respiratory metabolism, size and nitrogen in plants. *Nature*, **2006**, 439, 457-61	50.4	388
62	Interannual growth response of Norway spruce to climate along an altitudinal gradient in the Tatra Mountains, Poland. *Trees - Structure and Function*, **2006**, 20, 735-746	2.6	97

61	Response of Plant Respiration to Changes in Temperature: Mechanisms and Consequences of Variations in Q10 Values and Acclimation **2005**, 95-135		66
60	Linking litter calcium, earthworms and soil properties: a common garden test with 14 tree species. *Ecology Letters*, **2005**, 8, 811-818	10	483
59	Foliar respiration acclimation to temperature and temperature variable Q10 alter ecosystem carbon balance. *Global Change Biology*, **2005**, 11, 435-449	11.4	93
58	Linking leaf and root trait syndromes among 39 grassland and savannah species. *New Phytologist*, **2005**, 167, 493-508	9.8	356
57	The hot and the cold: unravelling the variable response of plant respiration to temperature. *Functional Plant Biology*, **2005**, 32, 87-105	2.7	371
56	The worldwide leaf economics spectrum. *Nature*, **2004**, 428, 821-7	50.4	4915
55	Contrasting growth response of an N2-fixing and non-fixing forb to elevated CO2: dependence on soil N supply. *Plant and Soil*, **2003**, 255, 475-486	4.2	47
54	Nutrient conservation increases with latitude of origin in European Pinus sylvestris populations. *Oecologia*, **2003**, 136, 220-35	2.9	133
53	Legume presence increases photosynthesis and N concentrations of co-occurring non-fixers but does not modulate their responsiveness to carbon dioxide enrichment. *Oecologia*, **2003**, 137, 22-31	2.9	59
52	Variation in growth rate and ecophysiology among 34 grassland and savanna species under contrasting N supply: a test of functional group differences. *New Phytologist*, **2003**, 157, 617-631	9.8	159
51	Thermal acclimation and the dynamic response of plant respiration to temperature. *Trends in Plant Science*, **2003**, 8, 343-51	13.1	870
50	Functional traits, productivity and effects on nitrogen cycling of 33 grassland species. *Functional Ecology*, **2002**, 16, 563-574	5.6	285
49	Needle nutrients in geographically diverse Pinus sylvestris L. populations. *Annals of Forest Science*, **2002**, 59, 1-18	3.1	47
48	Leaf gas exchange responses of 13 prairie grassland species to elevated CO2 and increased nitrogen supply. *New Phytologist*, **2001**, 150, 405-418	9.8	102
47	Do species and functional groups differ in acquisition and use of C, N and water under varying atmospheric CO2 and N availability regimes? A field test with 16 grassland species. *New Phytologist*, **2001**, 150, 435-448	9.8	217
46	Direct inhibition of leaf dark respiration by elevated CO2 is minor in 12 grassland species. *New Phytologist*, **2001**, 150, 419-424	9.8	31
45	Modelling respiration of vegetation: evidence for a general temperature-dependent Q10. *Global Change Biology*, **2001**, 7, 223-230	11.4	403
44	Plant diversity enhances ecosystem responses to elevated CO2 and nitrogen deposition. *Nature*, **2001**, 410, 809-12	50.4	469

43	correction: Plant diversity enhances ecosystem responses to elevated CO2 and nitrogen deposition. *Nature*, **2001**, 411, 824	50.4	12
42	Biogeographic differences in shoot elongation pattern among European Scots pine populations. *Forest Ecology and Management*, **2001**, 148, 207-220	3.9	30
41	Ontogenetic patterns of leaf CO2 exchange, morphology and chemistry in Betula pendula trees. *Trees - Structure and Function*, **2000**, 14, 271-281	2.6	33
40	Variation in aboveground net primary production of diverse European Pinus sylvestris populations. *Trees - Structure and Function*, **2000**, 14, 415-421	2.6	20
39	Genetic and environmental control of seasonal carbohydrate dynamics in trees of diverse Pinus sylvestris populations. *Tree Physiology*, **2000**, 20, 837-847	4.2	88
38	Ontogenetic patterns of leaf CO2 exchange, morphology and chemistry in Betula pendula trees **2000**, 14, 271		7
37	Changes in leaf nitrogen and carbohydrates underlie temperature and CO2 acclimation of dark respiration in five boreal tree species. *Plant, Cell and Environment*, **1999**, 22, 767-778	8.4	173
36	Acclimation of respiration to temperature and CO2 in seedlings of boreal tree species in relation to plant size and relative growth rate. *Global Change Biology*, **1999**, 5, 679-691	11.4	189
35	Nutritional Status of Pollen and Needles of Diverse Pinus Sylvestris Populations Grown at Sites with Contrasting Pollution. *Water, Air, and Soil Pollution*, **1999**, 110, 195-212	2.6	17
34	Survival, growth, and photosynthesis of tree seedlings competing with herbaceous vegetation along a water-light-nitrogen gradient. *Plant Ecology*, **1999**, 145, 341-350	1.7	200
33	Differential Above- and Below-ground Biomass Accumulation of European Pinus sylvestris Populations in a 12-year-old Provenance Experiment. *Scandinavian Journal of Forest Research*, **1999**, 14, 7-17	1.7	61
32	Primary and secondary host plants differ in leaf-level photosynthetic response to herbivory: evidence from Alnus and Betula grazed by the alder beetle, Agelastica alni. *New Phytologist*, **1998**, 140, 239-249	9.8	50
31	Temperature and ontogeny mediate growth response to elevated CO in seedlings of five boreal tree species. *New Phytologist*, **1998**, 140, 197-210	9.8	59
30	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. *Functional Ecology*, **1998**, 12, 327-338	5.6	331
29	Photosynthesis and respiration rates depend on leaf and root morphology and nitrogen concentration in nine boreal tree species differing in relative growth rate. *Functional Ecology*, **1998**, 12, 395-405	5.6	357
28	Growth and physiology of Picea abies populations from elevational transects: common garden evidence for altitudinal ecotypes and cold adaptation. *Functional Ecology*, **1998**, 12, 573-590	5.6	244
27	Seedlings of five boreal tree species differ in acclimation of net photosynthesis to elevated CO(2) and temperature. *Tree Physiology*, **1998**, 18, 715-726	4.2	148
26	Needle CO2 exchange, structure and defense traits in relation to needle age in Pinus heldreichii Christ □a relict of Tertiary flora. *Trees - Structure and Function*, **1997**, 12, 82-89	2.6	10

25	Needle CO. *Trees - Structure and Function*, **1997**, 12, 82	2.6	19
24	Altered root growth and plant chemistry ofPinus sylvestris seedlings subjected to aluminum in nutrient solution. *Trees - Structure and Function*, **1996**, 10, 135-144	2.6	23
23	Needle Respiration and Nitrogen Concentration in Scots Pine Populations from a Broad Latitudinal Range: A Common Garden Test with Field-Grown Trees. *Functional Ecology*, **1996**, 10, 768	5.6	96
22	Evidence that longer needle retention of spruce and pine populations at high elevations and high latitudes is largely a phenotypic response. *Tree Physiology*, **1996**, 16, 643-7	4.2	83
21	Altered root growth and plant chemistry of Pinus sylvestris seedlings subjected to aluminum in nutrient solution. *Trees - Structure and Function*, **1996**, 10, 135-144	2.6	16
20	Interaction of ozone pollution and light effects on photosynthesis in a forest canopy experiment. *Plant, Cell and Environment*, **1995**, 18, 895-905	8.4	123
19	Seed mass effects on germination and growth of diverse European Scots pine populations. *Canadian Journal of Forest Research*, **1994**, 24, 306-320	1.9	55
18	Relationship of aluminium and calcium to net CO exchange among diverse Scots pine provenances under pollution stress in Poland. *Oecologia*, **1994**, 97, 82-92	2.9	40
17	An open-air system for exposing forest-canopy branches to ozone pollution. *Plant, Cell and Environment*, **1994**, 17, 211-218	8.4	11
16	Acid deposition alters red spruce physiology: laboratory studies support field observations. *Canadian Journal of Forest Research*, **1993**, 23, 380-386	1.9	44
15	Urea fertilization effects on nutrient uptake and growth of Platanus occidentalis during plantation establishment. *Trees - Structure and Function*, **1993**, 7, 250	2.6	4
14	Light environment alters response to ozone stress in seedlings of Acer saccharum Marsh, and hybrid Populus L.: I. In situ net photosynthesis, dark respiration and growth. *New Phytologist*, **1993**, 124, 627-636	9.8	66
13	Light environment alters response to ozone stress in seedlings of Acer saccharum Marsh, and hybrid Populus L.: II. Diagnostic gas exchange and leaf chemistry. *New Phytologist*, **1993**, 124, 637-646	9.8	49
12	Light environment alters response to ozone stress in seedlings of Acer saccharum Marsh, and hybrid Populus L.: III. Consequences for performance of gypsy moth. *New Phytologist*, **1993**, 124, 647-657	9.8	31
11	Seasonal variation in nitrate reductase activity in needles of high-elevation red spruce trees. *Canadian Journal of Forest Research*, **1992**, 22, 375-380	1.9	12
10	Growth and physiological changes in red spruce saplings associated with acidic deposition at high elevations in the southern Appalachians, USA. *Forest Ecology and Management*, **1992**, 51, 43-51	3.9	14
9	Whole-plant CO2 exchange of seedlings of two Pinus sylvestris L. provenances grown under simulated photoperiodic conditions of 50□and 60□N. *Trees - Structure and Function*, **1992**, 6, 225	2.6	6
8	Geographic origin of Pinus sylvestris populations influences the effects of air pollution on flowering and growth. *Water, Air, and Soil Pollution*, **1992**, 62, 201-212	2.6	10

7	Growth and biomass partitioning of populations of European Pinus sylvestris L. under simulated 50° and 60°N daylengths: evidence for photoperiodic ecotypes. *New Phytologist*, **1992**, 120, 561-574	9.8	86
6	Soil nitrogen and chronic ozone stress influence physiology, growth and nutrient status of Pinus taeda L. and Liriodendron tulipifera L. seedlings. *New Phytologist*, **1991**, 119, 69-81	9.8	72
5	Increased dark respiration and calcium deficiency of red spruce in relation to acidic deposition at high-elevation southern Appalachian Mountain sites. *Canadian Journal of Forest Research*, **1991**, 21, 1234-1244	19	63
4	Differential Above- and Below-ground Biomass Accumulation of European Pinus sylvestris Populations in a 12-year-old Provenance Experiment		10
3	Pastures and Climate Extremes: Impacts of warming and drought on the productivity and resilience of key pasture species in a field experiment		4
2	Plant respiration: controlled by photosynthesis or biomass?		3
1	AusTraits – a curated plant trait database for the Australian flora		1