

# Mark A. Adams

## List of Publications by Year in descending order

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237  
papers

13,543  
citations

22153

59  
h-index

29157

104  
g-index

245  
all docs

245  
docs citations

245  
times ranked

14392  
citing authors

#	ARTICLE	IF	CITATIONS
1	The knowns, known unknowns and unknowns of sequestration of soil organic carbon. <i>Agriculture, Ecosystems and Environment</i> , 2013, 164, 80-99.	5.3	1,143
2	Nutrient cycling in forests. <i>New Phytologist</i> , 1993, 124, 561-582.	7.3	568
3	The redistribution of soil water by tree root systems. <i>Oecologia</i> , 1998, 115, 306-311.	2.0	480
4	Sensitivity of plants to changing atmospheric $\text{CO}_2$ concentration: from the geological past to the next century. <i>New Phytologist</i> , 2013, 197, 1077-1094.	7.3	336
5	Water availability and carbon isotope discrimination in conifers. <i>Oecologia</i> , 2001, 127, 476-486.	2.0	313
6	Wildfire management in Mediterranean-type regions: paradigm change needed. <i>Environmental Research Letters</i> , 2020, 15, 011001.	5.2	267
7	Mega-fires, tipping points and ecosystem services: Managing forests and woodlands in an uncertain future. <i>Forest Ecology and Management</i> , 2013, 294, 250-261.	3.2	235
8	Estimation of leaf area index in eucalypt forest using digital photography. <i>Agricultural and Forest Meteorology</i> , 2007, 143, 176-188.	4.8	219
9	Soil Security: Solving the Global Soil Crisis. <i>Global Policy</i> , 2013, 4, 434-441.	1.7	219
10	Internal conductance does not scale with photosynthetic capacity: implications for carbon isotope discrimination and the economics of water and nitrogen use in photosynthesis. <i>Plant, Cell and Environment</i> , 2006, 29, 192-201.	5.7	204
11	Legumes are different: Leaf nitrogen, photosynthesis, and water use efficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4098-4103.	7.1	195
12	Nutrient cycling and nitrogen mineralization in eucalypt forests of south-eastern Australia. <i>Plant and Soil</i> , 1986, 92, 341-362.	3.7	191
13	Tree roots: conduits for deep recharge of soil water. <i>Oecologia</i> , 2001, 126, 158-165.	2.0	186
14	Carbon and oxygen isotope composition of organic compounds in the phloem sap provides a short-term measure for stomatal conductance of European beech ( <i>Fagus sylvatica</i> L.). <i>Plant, Cell and Environment</i> , 2003, 26, 1157-1168.	5.7	163
15	Leaf day respiration: low $\text{CO}_2$ flux but high significance for metabolism and carbon balance. <i>New Phytologist</i> , 2017, 216, 986-1001.	7.3	159
16	Photosynthesis-Rubisco relationships in foliage of <i>Pinus sylvestris</i> in response to nitrogen supply and the proposed role of Rubisco and amino acids as nitrogen stores. <i>Trees - Structure and Function</i> , 2003, 17, 359-366.	1.9	156
17	Distribution of N, Rubisco and photosynthesis in <i>Pinus pinaster</i> and acclimation to light. <i>Plant, Cell and Environment</i> , 2001, 24, 597-609.	5.7	147
18	Availability of organic and inorganic forms of phosphorus to lupins ( <i>Lupinus</i> spp.). <i>Plant and Soil</i> , 1992, 145, 107-113.	3.7	146

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19	Climate determines vascular traits in the ecologically diverse genus <i>Eucalyptus</i> . <i>Ecology Letters</i> , 2016, 19, 240-248.	6.4	137
20	Evergreen trees do not maximize instantaneous photosynthesis. <i>Trends in Plant Science</i> , 2004, 9, 270-274.	8.8	133
21	Short-term variation in the isotopic composition of organic matter allocated from the leaves to the stem of <i>Pinus sylvestris</i> : effects of photosynthetic and postphotosynthetic carbon isotope fractionation. <i>Global Change Biology</i> , 2006, 12, 1922-1939.	9.5	133
22	Testing the generality of above-ground biomass allometry across plant functional types at the continent scale. <i>Global Change Biology</i> , 2016, 22, 2106-2124.	9.5	133
23	Soil carbon and nitrogen stocks in forests along an altitudinal gradient in the eastern Himalayas and a meta-analysis of global data. <i>Global Change Biology</i> , 2016, 22, 2255-2268.	9.5	129
24	PTR-MS analysis of reference and plant-emitted volatile organic compounds. <i>International Journal of Mass Spectrometry</i> , 2007, 262, 203-210.	1.5	123
25	In situ studies of nitrogen mineralization and uptake in forest soils; some comments on methodology. <i>Soil Biology and Biochemistry</i> , 1989, 21, 423-429.	8.8	118
26	Seasonal Water Acquisition and Redistribution in the Australian Woody Phreatophyte, <i>Banksia prionotes</i> . <i>Annals of Botany</i> , 2000, 85, 215-224.	2.9	113
27	Plant species affect acid phosphatase, ergosterol and microbial P in a Jarrah ( <i>Eucalyptus marginata</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	8.8	112
28	Simultaneous Determination by Capillary Gas Chromatography of Organic Acids, Sugars, and Sugar Alcohols in Plant Tissue Extracts as Their Trimethylsilyl Derivatives. <i>Analytical Biochemistry</i> , 1999, 266, 77-84.	2.4	110
29	Contrasting Physiological Responses of Six <i>Eucalyptus</i> Species to Water Deficit. <i>Annals of Botany</i> , 2007, 100, 1507-1515.	2.9	110
30	Radiation modifies the effect of water availability on the carbon isotope composition of beech ( <i>Fagus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T	7.3	109
31	Whole-tree chambers for elevated atmospheric CO <sub>2</sub> 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
32	Stable Isotopes at Natural Abundance in Terrestrial Plant Ecology and Ecophysiology: An Update. <i>Plant Biology</i> , 2001, 3, 299-310.	3.8	104
33	Mega-fires, inquiries and politics in the eucalypt forests of Victoria, south-eastern Australia. <i>Forest Ecology and Management</i> , 2013, 294, 45-53.	3.2	97
34	Cyclitols and carbohydrates in leaves and roots of 13 <i>Eucalyptus</i> species suggest contrasting physiological responses to water deficit. <i>Plant, Cell and Environment</i> , 2006, 29, 2017-2029.	5.7	96
35	A validation, comparison and error analysis of two heat-pulse methods for measuring sap flow in <i>Eucalyptus marginata</i> saplings. <i>Functional Plant Biology</i> , 2004, 31, 645.	2.1	85
36	Emissions of isoprene, monoterpene and short-chained carbonyl compounds from <i>Eucalyptus</i> spp. in southern Australia. <i>Atmospheric Environment</i> , 2009, 43, 3035-3043.	4.1	85

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37	Temperature-dependent release of volatile organic compounds of eucalypts by direct analysis in real time (DART) mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2241-2246.	1.5	83
38	Spatial and temporal variations in phloem sap composition of plantation-grown <i>Eucalyptus globulus</i> . <i>Oecologia</i> , 1998, 117, 312-322.	2.0	79
39	The challenge of tree height in <i>Eucalyptus regnans</i> : when xylem tapering overcomes hydraulic resistance. <i>New Phytologist</i> , 2010, 187, 1146-1153.	7.3	79
40	Steps towards a mechanistic understanding of respiratory temperature responses. <i>New Phytologist</i> , 2011, 189, 659-677.	7.3	79
41	Photographic exposure affects indirect estimation of leaf area in plantations of <i>Eucalyptus globulus</i> Labill. <i>Agricultural and Forest Meteorology</i> , 2000, 100, 155-168.	4.8	78
42	A rapid and simple method for processing wood to crude cellulose for analysis of stable carbon isotopes in tree rings. <i>Tree Physiology</i> , 1999, 19, 831-835.	3.1	77
43	Diminishing CO <sub>2</sub> -driven gains in water-use efficiency of global forests. <i>Nature Climate Change</i> , 2020, 10, 466-471.	18.8	76
44	Nutrient cycling and nitrogen mineralization in eucalypt forests of south-eastern Australia. <i>Plant and Soil</i> , 1986, 92, 319-339.	3.7	75
45	<sup>31</sup> P-NMR analysis of phosphorus compounds in extracts of surface soils from selected karri ( <i>Eucalyptus diversicolor</i> F. Muell.) forests. <i>Soil Biology and Biochemistry</i> , 1989, 21, 523-528.	8.8	75
46	Phloem sap and leaf $\delta^{13}\text{C}$ , carbohydrates, and amino acid concentrations in <i>Eucalyptus globulus</i> change systematically according to flooding and water deficit treatment. <i>Journal of Experimental Botany</i> , 2010, 61, 1785-1793.	4.8	75
47	Effects of elevated atmospheric [CO <sub>2</sub> ] 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
48	Short-term effects of biochar and salinity on soil greenhouse gas emissions from a semi-arid Australian soil after re-wetting. <i>Geoderma</i> , 2017, 307, 267-276.	5.1	74
49	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021, 8, 254.	5.3	73
50	Assessment of ecological effects due to forest harvesting: approaches and statistical issues. <i>Journal of Applied Ecology</i> , 2004, 41, 585-598.	4.0	72
51	Estimates of Carbon Storage in the Aboveground Biomass of Victoria's Forests. <i>Australian Journal of Botany</i> , 1992, 40, 631.	0.6	70
52	Estimation of leaf area index in eucalypt forest with vertical foliage, using cover and fullframe fisheye photography. <i>Forest Ecology and Management</i> , 2007, 242, 756-763.	3.2	70
53	Sap flow measurements reveal influence of temperature and stand structure on water use of <i>Eucalyptus regnans</i> forests. <i>Forest Ecology and Management</i> , 2010, 259, 1190-1199.	3.2	67
54	Potential for rural electrification based on biomass gasification in Cambodia. <i>Biomass and Bioenergy</i> , 2007, 31, 656-664.	5.7	66

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55	Attack on all fronts: functional relationships between aerial and root parasitic plants and their woody hosts and consequences for ecosystems. <i>Tree Physiology</i> , 2011, 31, 3-15.	3.1	65
56	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021, 13, 2607-2649.	9.9	65
57	Targeted metabolite profiling provides a functional link among eucalypt taxonomy, physiology and evolution. <i>Phytochemistry</i> , 2006, 67, 402-408.	2.9	63
58	Forests and Decarbonization – Roles of Natural and Planted Forests. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	63
59	Nitrogen mineralization and nitrate reduction in forests. <i>Soil Biology and Biochemistry</i> , 1982, 14, 197-202.	8.8	62
60	Title is missing!. <i>Plant Ecology</i> , 2003, 164, 185-199.	1.6	62
61	The apparent feed-forward response to vapour pressure deficit of stomata in droughted, field-grown <i>Eucalyptus globulus</i> Labill. <i>Plant, Cell and Environment</i> , 2004, 27, 1268-1280.	5.7	61
62	Is photosynthesis related to concentrations of nitrogen and Rubisco in leaves of Australian native plants?. <i>Functional Plant Biology</i> , 2000, 27, 407.	2.1	60
63	Rewetting and litter addition influence mineralisation and microbial communities in soils from a semi-arid intermittent stream. <i>Soil Biology and Biochemistry</i> , 2009, 41, 92-101.	8.8	60
64	Simple models for stomatal conductance derived from a process model: cross-validation against sap flux data. <i>Plant, Cell and Environment</i> , 2012, 35, 1647-1662.	5.7	60
65	Phosphatase activity and phosphorus fractions in Karri ( <i>Eucalyptus diversicolor</i> F. Muell.) forest soils. <i>Biology and Fertility of Soils</i> , 1992, 14, 200-204.	4.3	59
66	Role of <i>Acacia</i> Spp. In Nutrient Balance and Cycling in Regenerating <i>Eucalyptus regnans</i> F. Muell. Forests. I. Temporal Changes in Biomass and Nutrient Content. <i>Australian Journal of Botany</i> , 1984, 32, 205.	0.6	58
67	Comparison of four methods for measuring osmotic potential of tree leaves. <i>Physiologia Plantarum</i> , 2006, 127, 383-392.	5.2	57
68	Quantifying uncertainty from large-scale model predictions of forest carbon dynamics. <i>Global Change Biology</i> , 2006, 12, 1421-1434.	9.5	57
69	Urban – wildland fires: how California and other regions of the US can learn from Australia. <i>Environmental Research Letters</i> , 2009, 4, 014010.	5.2	57
70	Role of soil drying in nitrogen mineralization and microbial community function in semi-arid grasslands of north-west Australia. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1557-1569.	8.8	56
71	Nitrate reductase activity and growth response of forest species to ammonium and nitrate sources of nitrogen. <i>Plant and Soil</i> , 1982, 66, 373-381.	3.7	55
72	Premature Decline of <i>Eucalyptus</i> and Altered Ecosystem Processes in the Absence of Fire in Some Australian Forests. <i>Botanical Review</i> , The, 2009, 75, 191-202.	3.9	55

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73	Trade-offs between the persistence of foliage and productivity in two <i>Pinus</i> species. <i>Oecologia</i> , 2000, 124, 487-494.	2.0	54
74	Eucalypt smoke and wildfires: Temperature dependent emissions of biogenic volatile organic compounds. <i>International Journal of Mass Spectrometry</i> , 2009, 279, 126-133.	1.5	54
75	Capillary electrophoresis for the determination of major amino acids and sugars in foliage: application to the nitrogen nutrition of sclerophyllous species. <i>Journal of Experimental Botany</i> , 2000, 51, 1147-1157.	4.8	53
76	Water and Nutrient Dynamics in Surface Roots and Soils are not Modified by Short-term Flooding of Phreatophytic Plants in a Hyperarid Desert. <i>Plant and Soil</i> , 2006, 279, 129-139.	3.7	53
77	An analytical model of non-photorespiratory CO <sub>2</sub> release in the light and dark in leaves of C <sub>3</sub> species based on stoichiometric flux balance. <i>Plant, Cell and Environment</i> , 2011, 34, 89-112.	5.7	52
78	Ecotype adaptation and acclimation of leaf traits to rainfall in 29 species of 16-year-old <i>Eucalyptus</i> at two common gardens. <i>Functional Ecology</i> , 2006, 20, 929-940.	3.6	51
79	Productivity, carbon isotope discrimination and leaf traits of trees of <i>Eucalyptus globulus</i> Labill. in relation to water availability. <i>Plant, Cell and Environment</i> , 2004, 27, 1515-1524.	5.7	50
80	Diurnal patterns of water use in <i>Eucalyptus victrix</i> indicate pronounced desiccation-rehydration cycles despite unlimited water supply. <i>Tree Physiology</i> , 2011, 31, 1041-1051.	3.1	50
81	Nitrogen and phosphorus cycling in relation to stand age of <i>Eucalyptus regnans</i> F. Muell. <i>Plant and Soil</i> , 1992, 142, 177-185.	3.7	49
82	Close-Range Vertical Photography for Measuring Cover Changes in Perennial Grasslands. <i>Journal of Range Management</i> , 2000, 53, 634.	0.3	49
83	Differential effects of N, P and K on photosynthesis and partitioning of N in <i>Pinus pinaster</i> needles. <i>Annals of Forest Science</i> , 2005, 62, 1-8.	2.0	48
84	Woody legumes: a (re)view from the South. <i>Tree Physiology</i> , 2010, 30, 1072-1082.	3.1	48
85	Nitrogen and phosphorus cycling in relation to stand age of <i>Eucalyptus regnans</i> F. Muell.. <i>Plant and Soil</i> , 1992, 142, 167-176.	3.7	47
86	Relationships between empirical and nominal indices of landscape function in the arid shrubland of Western Australia. <i>Journal of Arid Environments</i> , 2002, 50, 1-21.	2.4	47
87	Nitrogen fixation and metabolism by groundwater-dependent perennial plants in a hyperarid desert. <i>Oecologia</i> , 2004, 141, 385-394.	2.0	47
88	Salt tolerance in <i>Eucalyptus</i> spp.: identity and response of putative osmolytes. <i>Plant, Cell and Environment</i> , 2005, 28, 772-787.	5.7	47
89	Dynamic light use and protection from excess light in upper canopy and coppice leaves of <i>Nothofagus cunninghamii</i> in an old growth, cool temperate rainforest in Victoria, Australia. <i>New Phytologist</i> , 2005, 165, 143-156.	7.3	46
90	The role of continental shelf width in determining freshwater phylogeographic patterns in south-eastern Australian pygmy perch ( <i>Tilapia</i> )	5.0	57

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91	Interactive effects of elevated CO <sub>2</sub> and drought on nocturnal water fluxes in <i>Eucalyptus saligna</i> . <i>Tree Physiology</i> , 2011, 31, 932-944.	3.1	45
92	Water availability and branch length determine $\delta^{13}\text{C}$ in foliage of <i>Pinus pinaster</i> . <i>Tree Physiology</i> , 2000, 20, 637-643.	3.1	44
93	Response of a perennial grassland to nitrogen and phosphorus additions in sub-tropical, semi-arid Australia. <i>Journal of Arid Environments</i> , 2001, 48, 289-308.	2.4	41
94	Water flux of <i>Eucalyptus regnans</i> : defying summer drought and a record heatwave in 2009. <i>Oecologia</i> , 2013, 172, 317-326.	2.0	41
95	The Effect of Land-Use Change on Soil CH <sub>4</sub> and N <sub>2</sub> O Fluxes: A Global Meta-Analysis. <i>Ecosystems</i> , 2019, 22, 1424-1443.	3.4	41
96	Patterns of genetic variation in a group of parasites, The Australian reptile ticks. <i>Heredity</i> , 1984, 53, 509-525.	2.6	40
97	Decline of <i>Eucalyptus tereticornis</i> Near Bairnsdale, Victoria: Insect Herbivory and Nitrogen Fractions in Sap and Foliage. <i>Australian Journal of Botany</i> , 1995, 43, 39.	0.6	40
98	Direct determination of phosphate in soil extracts by potentiometric flow injection using a cobalt wire electrode. <i>Analytica Chimica Acta</i> , 1998, 363, 191-197.	5.4	40
99	Simultaneous Analysis of Amino and Organic Acids in Extracts of Plant Leaves as tert-Butyldimethylsilyl Derivatives by Capillary Gas Chromatography. <i>Analytical Biochemistry</i> , 1998, 259, 203-211.	2.4	40
100	Tracking the origins of the Kok effect, 70 years after its discovery. <i>New Phytologist</i> , 2017, 214, 506-510.	7.3	40
101	Characterisation of hydrogen isotope profiles in an agroforestry system: implications for tracing water sources of trees. <i>Agricultural Water Management</i> , 2000, 45, 229-241.	5.6	39
102	Differences in water use between mature and post-fire regrowth stands of subalpine <i>Eucalyptus delegatensis</i> R. Baker. <i>Forest Ecology and Management</i> , 2012, 270, 1-10.	3.2	39
103	Fire Eases Imbalances of Nitrogen and Phosphorus in Woody Plants. <i>Ecosystems</i> , 2015, 18, 769-779.	3.4	39
104	Nitrogen and Phosphorus Availability and the Role of Fire in Heathlands at Wilsons Promontory. <i>Australian Journal of Botany</i> , 1994, 42, 269.	0.6	38
105	Phosphorus sources and availability modify growth and distribution of root clusters and nodules of native Australian legumes. <i>Plant, Cell and Environment</i> , 2002, 25, 837-850.	5.7	38
106	Quantifying and predicting spatio-temporal variability of soil CH <sub>4</sub> and N <sub>2</sub> O fluxes from a seemingly homogeneous Australian agricultural field. <i>Agriculture, Ecosystems and Environment</i> , 2017, 240, 182-193.	5.3	38
107	Nocturnal water loss in mature subalpine <i>Eucalyptus delegatensis</i> tall open forests and adjacent <i>E. pauciflora</i> woodlands. <i>Ecology and Evolution</i> , 2011, 1, 435-450.	1.9	37
108	Three parameters comprehensively describe the temperature response of respiratory oxygen reduction. <i>Plant, Cell and Environment</i> , 2008, 31, 954-967.	5.7	36

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109	Application of an enthalpy balance model of the relation between growth and respiration to temperature acclimation of <i>Eucalyptus globulus</i> seedlings. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1499-1507.	2.6	35
110	Nitrogen uptake by <i>Eucalyptus regnans</i> and <i>Acacia</i> spp. - preferences, resource overlap and energetic costs. <i>Tree Physiology</i> , 2009, 29, 389-399.	3.1	35
111	Role of <i>Acacia</i> Spp. In Nutrient Balance and Cycling in Regenerating <i>Eucalyptus regnans</i> F. Muell. Forests. II. Field Studies of Acetylene Reduction. <i>Australian Journal of Botany</i> , 1984, 32, 217.	0.6	35
112	The tree - crop interface: the effects of root pruning in south-western Australia. <i>Australian Journal of Experimental Agriculture</i> , 2002, 42, 763.	1.0	34
113	Changes in gas exchange versus leaf solutes as a means to cope with summer drought in <i>Eucalyptus marginata</i> . <i>Oecologia</i> , 2007, 154, 1-10.	2.0	34
114	Insulation capacity of three bark types of temperate <i>Eucalyptus</i> species. <i>Forest Ecology and Management</i> , 2014, 313, 224-232.	3.2	34
115	Crops, Nitrogen, Water: Are Legumes Friend, Foe, or Misunderstood Ally?. <i>Trends in Plant Science</i> , 2018, 23, 539-550.	8.8	33
116	Nutrient balance in forests of northern Tasmania. 2. Alteration of nutrient availability and soil-water chemistry as a result of logging, slash-burning and fertilizer application. <i>Forest Ecology and Management</i> , 1991, 44, 115-131.	3.2	32
117	Soil Functional Responses to Excess Nitrogen Inputs at Global Scale. <i>Ambio</i> , 2004, 33, 530-536.	5.5	32
118	Sequential fractionation and characterisation ( $^{31}\text{P}$ -NMR) of phosphorus-amended soils in <i>Banksia integrifolia</i> (L.f.) woodland and adjacent pasture. <i>Soil Biology and Biochemistry</i> , 2000, 32, 169-177.	8.8	31
119	Vegetation type determines heterotrophic respiration in subalpine Australian ecosystems. <i>Global Change Biology</i> , 2010, 16, 209-219.	9.5	31
120	$\delta^{13}\text{C}$ of wood in growth-rings indicates cambial activity of drought-stressed trees of <i>Eucalyptus globulus</i> . <i>Functional Ecology</i> , 1998, 12, 655-664.	3.6	30
121	What determines rates of photosynthesis per unit nitrogen in <i>Eucalyptus</i> seedlings?. <i>Functional Plant Biology</i> , 2004, 31, 1169.	2.1	30
122	A standardization method to disentangle environmental information from axial trends of xylem anatomical traits. <i>Tree Physiology</i> , 2019, 39, 495-502.	3.1	30
123	CO <sub>2</sub> , nitrogen deposition and a discontinuous climate response drive water use efficiency in global forests. <i>Nature Communications</i> , 2021, 12, 5194.	12.8	30
124	Nutrient balance in forests of northern Tasmania. 1. Atmospheric inputs and within-stand cycles. <i>Forest Ecology and Management</i> , 1991, 44, 93-113.	3.2	29
125	Using amino-nitrogen pools and fluxes to identify contributions of understory <i>Acacia</i> spp. to overstory <i>Eucalyptus regnans</i> and stand nitrogen uptake in temperate Australia. <i>New Phytologist</i> , 2009, 183, 1097-1113.	7.3	29
126	Nitrogen mineralization potential in rewetted soils from a semi-arid stream landscape, north-west Australia. <i>Journal of Arid Environments</i> , 2009, 73, 48-54.	2.4	29



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127	Respiratory quotients and Q10 of soil respiration in sub-alpine Australia reflect influences of vegetation types. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1266-1274.	8.8	29
128	Photosynthetic benefits of ultraviolet-A to <i>Pimelea ligustrina</i> , a woody shrub of sub-alpine Australia. <i>Oecologia</i> , 2013, 173, 375-385.	2.0	29
129	Broadacre crop yield in the lee of windbreaks in the medium and low rainfall areas of south-western Australia. <i>Australian Journal of Experimental Agriculture</i> , 2002, 42, 739.	1.0	28
130	Loss of patch-scale heterogeneity on primary productivity and rainfall-use efficiency in Western Australia. <i>Basic and Applied Ecology</i> , 2003, 4, 569-578.	2.7	28
131	The Kok effect in <i>Vicia faba</i> cannot be explained solely by changes in chloroplastic CO <sub>2</sub> concentration. <i>New Phytologist</i> , 2017, 216, 1064-1071.	7.3	28
132	Causes and consequences of Eastern Australia's 2019-20 season of mega-fires: A broader perspective. <i>Global Change Biology</i> , 2020, 26, 3756-3758.	9.5	28
133	Tree decline in southeastern Australia: Nitrate reductase activity and indications of unbalanced nutrition in <i>Eucalyptus ovata</i> (Labill.) and <i>E. camphora</i> (R.T. Baker) communities at Yellingbo, Victoria. <i>Oecologia</i> , 1994, 98, 221-228.	2.0	27
134	Indices for characterising spatial variability of soil nitrogen semi-arid grasslands of Northwestern Australia. <i>Soil Biology and Biochemistry</i> , 1999, 31, 735-746.	8.8	27
135	Quercitol links the physiology, taxonomy and evolution of 279 eucalypt species. <i>Global Ecology and Biogeography</i> , 2007, 16, 810-819.	5.8	27
136	Novel mannose sequestration technique reveals variation in subcellular orthophosphate pools do not explain the effects of phosphorus nutrition on photosynthesis in <i>Eucalyptus globulus</i> seedlings. <i>New Phytologist</i> , 2007, 176, 849-861.	7.3	27
137	Possible causes of slow growth of nitrate-supplied <i>Pinus pinaster</i> . <i>Canadian Journal of Forest Research</i> , 2002, 32, 569-580.	1.7	26
138	Photosynthetic capacity is negatively correlated with the concentration of leaf phenolic compounds across a range of different species. <i>AoB PLANTS</i> , 2012, 2012, pls025.	2.3	26
139	Stand water use status in relation to fire in a mixed species eucalypt forest. <i>Forest Ecology and Management</i> , 2013, 304, 162-170.	3.2	26
140	31P-NMR identification of phosphorus compounds in neutral extracts of mountain ash ( <i>Eucalyptus</i> )	8.8	25
141	Availability of nitrogen and phosphorus in forest soils in northeastern Tasmania. <i>Biology and Fertility of Soils</i> , 1989, 8, 212.	4.3	24
142	Simultaneous determination of aliphatic and aromatic acids in plant tissue extracts by ion-exclusion chromatography. <i>Analytica Chimica Acta</i> , 1999, 386, 249-256.	5.4	24
143	Productivity of an Australian mountain grassland is limited by temperature and dryness despite long growing seasons. <i>Agricultural and Forest Meteorology</i> , 2018, 256-257, 116-124.	4.8	24
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158	Separation of amino acids in plant tissue extracts by capillary zone electrophoresis with indirect UV detection using aromatic carboxylates as background electrolytes. <i>Chromatographia</i> , 2000, 51, 180-186.	1.3	19
159	Variations saisonnières des hydrates de carbone, des cyclitols et des relations hydriques chez 3 espèces d' <i>Eucalyptus</i> de taxonomie contrastée, en plein champ et poussant sur un site commun. <i>Annals of Forest Science</i> , 2010, 67, 104-104.	2.0	19
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