

Mark A. Adams

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6297438/publications.pdf>

Version: 2024-02-01

236
papers

13,543
citations

22099

59
h-index

29081

104
g-index

245
all docs

245
docs citations

245
times ranked

14392
citing authors

#	ARTICLE	IF	CITATIONS
1	Overestimated gains in water-use efficiency by global forests. <i>Global Change Biology</i> , 2022, 28, 4923-4934.	4.2	17
2	Mistletoes and their eucalypt hosts differ in the response of leaf functional traits to climatic moisture supply. <i>Oecologia</i> , 2021, 195, 759-771.	0.9	10
3	Disproportionate CH ₄ Sink Strength from an Endemic, Sub-Alpine Australian Soil Microbial Community. <i>Microorganisms</i> , 2021, 9, 606.	1.6	1
4	Topography not tenure controls extent of wildfire within Mountain Ash forests. <i>Environmental Research Letters</i> , 2021, 16, 044021.	2.2	0
5	Mesophyll photosynthetic sensitivity to leaf water potential in <i>Eucalyptus</i> : a new dimension of plant adaptation to native moisture supply. <i>New Phytologist</i> , 2021, 230, 1844-1855.	3.5	9
6	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021, 13, 2607-2649.	3.7	65
7	CO ₂ , nitrogen deposition and a discontinuous climate response drive water use efficiency in global forests. <i>Nature Communications</i> , 2021, 12, 5194.	5.8	30
8	Dynamics of necromass in woody Australian ecosystems. <i>Ecosphere</i> , 2021, 12, e03693.	1.0	6
9	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021, 8, 254.	2.4	73
10	Wildfire management in Mediterranean-type regions: paradigm change needed. <i>Environmental Research Letters</i> , 2020, 15, 011001.	2.2	267
11	Managing mixed <i>Callitris-Eucalyptus</i> forests for carbon and energy in central-eastern Australia. <i>Biomass and Bioenergy</i> , 2020, 140, 105656.	2.9	4
12	Forests and Decarbonization – Roles of Natural and Planted Forests. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	63
13	Plasticity of Leaf Respiratory and Photosynthetic Traits in <i>Eucalyptus grandis</i> and <i>E. regnans</i> Grown Under Variable Light and Nitrogen Availability. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	4
14	Diminishing CO ₂ -driven gains in water-use efficiency of global forests. <i>Nature Climate Change</i> , 2020, 10, 466-471.	8.1	76
15	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.	4.2	28
16	Rainfall drives variation in rates of change in intrinsic water use efficiency of tropical forests. <i>Nature Communications</i> , 2019, 10, 3661.	5.8	17
17	Optimization of photosynthesis and stomatal conductance in the date palm <i>Phoenix dactylifera</i> during acclimation to heat and drought. <i>New Phytologist</i> , 2019, 223, 1973-1988.	3.5	18
18	The Effect of Land-Use Change on Soil CH ₄ and N ₂ O Fluxes: A Global Meta-Analysis. <i>Ecosystems</i> , 2019, 22, 1424-1443.	1.6	41

#	ARTICLE	IF	CITATIONS
19	Mineral nutrition of sub-alpine Australian vegetation under nutrient deficiency depends on lifeform. <i>Environmental and Experimental Botany</i> , 2019, 160, 92-100.	2.0	1
20	A standardization method to disentangle environmental information from axial trends of xylem anatomical traits. <i>Tree Physiology</i> , 2019, 39, 495-502.	1.4	30
21	Three physiological parameters capture variation in leaf respiration of <i>Eucalyptus grandis</i> , as elicited by short-term changes in ambient temperature, and differing nitrogen supply. <i>Plant, Cell and Environment</i> , 2018, 41, 1369-1382.	2.8	7
22	Can a growth model be used to describe forest carbon and water balance after fuel reduction burning in temperate forests?. <i>Science of the Total Environment</i> , 2018, 615, 1000-1009.	3.9	7
23	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.	1.9	24
24	Crops, Nitrogen, Water: Are Legumes Friend, Foe, or Misunderstood Ally?. <i>Trends in Plant Science</i> , 2018, 23, 539-550.	4.3	33
25	Contrasting responses of crop legumes and cereals to nitrogen availability. <i>New Phytologist</i> , 2018, 217, 1475-1483.	3.5	23
26	Estimates of rhizosphere priming effects are affected by soil disturbance. <i>Geoderma</i> , 2018, 313, 1-6.	2.3	10
27	Grand Challenges: Forests and Global Change. <i>Frontiers in Forests and Global Change</i> , 2018, 1, .	1.0	6
28	Plant and soil P determine functional attributes of subalpine Australian plants. <i>Arctic, Antarctic, and Alpine Research</i> , 2018, 50, .	0.4	6
29	Does season and grazing influence the $\delta^{13}C$ and $\delta^{15}N$ of C_4 native grasses in semi-arid rangelands of the Pilbara region of NW Australia?. <i>Agriculture, Ecosystems and Environment</i> , 2017, 236, 277-284.	2.5	1
30	Characterization of photosynthetic acclimation in <i>Phoenix dactylifera</i> by a modified Arrhenius equation originally developed for leaf respiration. <i>Trees - Structure and Function</i> , 2017, 31, 623-644.	0.9	14
31	Improving forest sampling strategies for assessment of fuel reduction burning. <i>Forest Ecology and Management</i> , 2017, 392, 78-89.	1.4	3
32	Tracking the origins of the Kok effect, 70 years after its discovery. <i>New Phytologist</i> , 2017, 214, 506-510.	3.5	40
33	Allometric equations for biomass and carbon stocks of forests along an altitudinal gradient in the eastern Himalayas. <i>Forestry</i> , 2017, 90, 445-454.	1.2	11
34	Quantifying and predicting spatio-temporal variability of soil CH_4 and N_2O fluxes from a seemingly homogeneous Australian agricultural field. <i>Agriculture, Ecosystems and Environment</i> , 2017, 240, 182-193.	2.5	38
35	Leaf day respiration: low CO_2 flux but high significance for metabolism and carbon balance. <i>New Phytologist</i> , 2017, 216, 986-1001.	3.5	159
36	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.	2.3	74

#	ARTICLE	IF	CITATIONS
37	The Kok effect in <i>Vicia faba</i> cannot be explained solely by changes in chloroplastic CO ₂ concentration. <i>New Phytologist</i> , 2017, 216, 1064-1071.	3.5	28
38	Does triacylglycerol (TAG) serve a photoprotective function in plant leaves? An examination of leaf lipids under shading and drought. <i>Physiologia Plantarum</i> , 2017, 161, 400-413.	2.6	16
39	Optimisation of fuel reduction burning regimes for carbon, water and vegetation outcomes. <i>Journal of Environmental Management</i> , 2017, 203, 157-170.	3.8	11
40	Enhanced decomposition and nitrogen mineralization sustain rapid growth of <i>Eucalyptus regnans</i> after wildfire. <i>Journal of Ecology</i> , 2017, 105, 229-236.	1.9	16
41	Solar UV Upregulates Photoprotection but Slows Photosynthesis in Subalpine Australian Plants. <i>Arctic, Antarctic, and Alpine Research</i> , 2017, 49, 673-685.	0.4	3
42	Empirical and model-based estimates of spatial and temporal variations in net primary productivity in semi-arid grasslands of Northern China. <i>PLoS ONE</i> , 2017, 12, e0187678.	1.1	4
43	Climate determines vascular traits in the ecologically diverse genus <i>Eucalyptus</i> . <i>Ecology Letters</i> , 2016, 19, 240-248.	3.0	137
44	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.	4.2	133
45	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.	4.2	129
46	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.	3.3	195
47	Production of pyrogenic carbon during planned fires in forests of East Gippsland, Victoria. <i>Forest Ecology and Management</i> , 2016, 373, 9-16.	1.4	23
48	Different models provide equivalent predictive power for cross-biome response of leaf respiration to temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5993-E5995.	3.3	10
49	Vessel diameter and related hydraulic traits of 31 <i>Eucalyptus</i> species arrayed along a gradient of water availability. <i>Ecology</i> , 2016, 97, 1626-1626.	1.5	8
50	A novel mechanistic interpretation of instantaneous temperature responses of leaf net photosynthesis. <i>Photosynthesis Research</i> , 2016, 129, 43-58.	1.6	10
51	Short-Term Forecasting of Water Yield from Forested Catchments after Bushfire: A Case Study from Southeast Australia. <i>Water (Switzerland)</i> , 2015, 7, 599-614.	1.2	8
52	Emissions from prescribed fires in temperate forest in south-east Australia: implications for carbon accounting. <i>Biogeosciences</i> , 2015, 12, 257-268.	1.3	19
53	Assessing the impact of large-scale water table modifications on riparian trees: a case study from Australia. <i>Ecohydrology</i> , 2015, 8, 642-651.	1.1	6
54	Stomatal structure and physiology do not explain differences in water use among montane eucalypts. <i>Oecologia</i> , 2015, 177, 1171-1181.	0.9	9

#	ARTICLE	IF	CITATIONS
55	Fire Eases Imbalances of Nitrogen and Phosphorus in Woody Plants. <i>Ecosystems</i> , 2015, 18, 769-779.	1.6	39
56	Mapping spatial and temporal variation in tree water use with an elevation model and gridded temperature data. <i>Agricultural and Forest Meteorology</i> , 2015, 200, 249-257.	1.9	10
57	Nitrogen Deposition Effects on Ecosystem Services and Interactions with other Pollutants and Climate Change. , 2014, , 493-505.		5
58	The Effects of Atmospheric Nitrogen Deposition on Terrestrial and Freshwater Biodiversity. , 2014, , 465-480.		10
59	A test of how coupling of vegetation to the atmosphere and climate spatial variation affects water yield modelling in mountainous catchments. <i>Journal of Hydrology</i> , 2014, 514, 202-213.	2.3	8
60	Relating water use to morphology and environment of <i>Nothofagus</i> from the world's most southern forests. <i>Trees - Structure and Function</i> , 2014, 28, 125-136.	0.9	6
61	Anatomical and physiological regulation of post-fire carbon and water exchange in canopies of two resprouting <i>Eucalyptus</i> species. <i>Oecologia</i> , 2014, 176, 333-343.	0.9	5
62	Pyrogenic carbon: the influence of particle size and chemical composition on soil carbon release. <i>International Journal of Wildland Fire</i> , 2014, 23, 1027.	1.0	13
63	Insulation capacity of three bark types of temperate <i>Eucalyptus</i> species. <i>Forest Ecology and Management</i> , 2014, 313, 224-232.	1.4	34
64	Combustion influences on natural abundance nitrogen isotope ratio in soil and plants following a wildfire in a sub-alpine ecosystem. <i>Oecologia</i> , 2013, 173, 1063-1074.	0.9	23
65	Photosynthetic benefits of ultraviolet-A to <i>Pimelea ligustrina</i> , a woody shrub of sub-alpine Australia. <i>Oecologia</i> , 2013, 173, 375-385.	0.9	29
66	Water flux of <i>Eucalyptus regnans</i> : defying summer drought and a record heatwave in 2009. <i>Oecologia</i> , 2013, 172, 317-326.	0.9	41
67	Stand water use status in relation to fire in a mixed species eucalypt forest. <i>Forest Ecology and Management</i> , 2013, 304, 162-170.	1.4	26
68	A critical review of the science underpinning fire management in the high altitude ecosystems of south-eastern Australia. <i>Forest Ecology and Management</i> , 2013, 294, 225-237.	1.4	9
69	Validation of canopy transpiration in a mixed-species foothill eucalypt forest using a soil-plant-atmosphere model. <i>Journal of Hydrology</i> , 2013, 492, 219-227.	2.3	13
70	Mega-fires, inquiries and politics in the eucalypt forests of Victoria, south-eastern Australia. <i>Forest Ecology and Management</i> , 2013, 294, 45-53.	1.4	97
71	The knowns, known unknowns and unknowns of sequestration of soil organic carbon. <i>Agriculture, Ecosystems and Environment</i> , 2013, 164, 80-99.	2.5	1,143
72	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.	1.4	235

#	ARTICLE	IF	CITATIONS
73	The role of continental shelf width in determining freshwater phylogeographic patterns in south-eastern Australian pygmy perch (<i>Tetraodon lineatus</i>). <i>Journal of Biogeography</i> , 2013, 40, 1077-1094.	10.7	37
74	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.	3.5	336
75	Soil Security: Solving the Global Soil Crisis. <i>Global Policy</i> , 2013, 4, 434-441.	1.0	219
76	Photosynthetic capacity is negatively correlated with the concentration of leaf phenolic compounds across a range of different species. <i>Australian Journal of Botany</i> , 2012, 60, 25-35.	1.2	26
77	Modern tools to tackle traditional concerns: Evaluation of site productivity and <i>Pinus radiata</i> management via ¹³ C- and ¹⁸ O-analysis of tree-rings. <i>Forest Ecology and Management</i> , 2012, 285, 227-238.	1.4	13
78	Disentangling respiratory acclimation and adaptation to growth temperature by <i>Eucalyptus</i> . <i>New Phytologist</i> , 2012, 195, 149-163.	3.5	15
79	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.	1.4	39
80	Hydraulic traits and water use of <i>Eucalyptus</i> on restored versus natural sites in a seasonally dry forest in southwestern Australia. <i>Forest Ecology and Management</i> , 2012, 274, 58-66.	1.4	17
81	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.	4.2	75
82	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.	2.8	60
83	Site-specific responses to short-term environmental variation are reflected in leaf and phloem carbon isotopic abundance of field grown <i>Eucalyptus globulus</i> . <i>Physiologia Plantarum</i> , 2012, 146, 448-459.	2.6	12
84	Relationships among microclimate, edaphic conditions, vegetation distribution and soil nitrogen dynamics on the Bogong High Plains, Australia. <i>Austral Ecology</i> , 2011, 36, 142-152.	0.7	7
85	An analytical model of non-photorespiratory CO ₂ release in the light and dark in leaves of C ₃ species based on stoichiometric flux balance. <i>Plant, Cell and Environment</i> , 2011, 34, 89-112.	2.8	52
86	Compound-specific differences in ¹³ C of soluble carbohydrates in leaves and phloem of 6-month-old <i>Eucalyptus globulus</i> (Labill). <i>Plant, Cell and Environment</i> , 2011, 34, 1599-1608.	2.8	18
87	Steps towards a mechanistic understanding of respiratory temperature responses. <i>New Phytologist</i> , 2011, 189, 659-677.	3.5	79
88	Respiratory quotients and Q ₁₀ of soil respiration in sub-alpine Australia reflect influences of vegetation types. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1266-1274.	4.2	29
89	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.	0.8	37
90	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.	1.4	65

#	ARTICLE	IF	CITATIONS
91	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.	1.4	50
92	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.	1.4	45
93	Soil Respiration in Future Global Change Scenarios. <i>Soil Biology</i> , 2011, , 131-153.	0.6	3
94	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.	0.8	19
95	The challenge of tree height in <i>Eucalyptus regnans</i> : when xylem tapering overcomes hydraulic resistance. <i>New Phytologist</i> , 2010, 187, 1146-1153.	3.5	79
96	Relations of sugar composition and $\delta^{13}\text{C}$ in phloem sap to growth and physiological performance of <i>Eucalyptus globulus</i> (Labill). <i>Plant, Cell and Environment</i> , 2010, 33, 1361-1368.	2.8	14
97	Vegetation type determines heterotrophic respiration in subalpine Australian ecosystems. <i>Global Change Biology</i> , 2010, 16, 209-219.	4.2	31
98	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.	2.4	75
99	Woody legumes: a (re)view from the South. <i>Tree Physiology</i> , 2010, 30, 1072-1082.	1.4	48
100	Continental and local climatic influences on hydrology of eucalypt- <i>Nothofagus</i> ecosystems revealed by $\delta^2\text{H}$, $\delta^{13}\text{C}$, and $\delta^{18}\text{O}$ of ecosystem samples. <i>Water Resources Research</i> , 2010, 46, .	1.7	0
101	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.	1.4	67
102	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.	1.9	108
103	Architectural plasticity in young <i>Eucalyptus marginata</i> on restored bauxite mines and adjacent natural forest in south-western Australia. <i>Tree Physiology</i> , 2009, 29, 1033-1045.	1.4	7
104	Urban-wildland fires: how California and other regions of the US can learn from Australia. <i>Environmental Research Letters</i> , 2009, 4, 014010.	2.2	57
105	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.	1.4	35
106	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.	4.2	60
107	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.	1.9	85
108	Quercitol plays a key role in stress tolerance of <i>Eucalyptus leptophylla</i> (F. Muell) in naturally occurring saline conditions. <i>Environmental and Experimental Botany</i> , 2009, 65, 296-303.	2.0	7

#	ARTICLE	IF	CITATIONS
109	Eucalypt smoke and wildfires: Temperature dependent emissions of biogenic volatile organic compounds. <i>International Journal of Mass Spectrometry</i> , 2009, 279, 126-133.	0.7	54
110	Premature Decline of Eucalyptus and Altered Ecosystem Processes in the Absence of Fire in Some Australian Forests. <i>Botanical Review, The</i> , 2009, 75, 191-202.	1.7	55
111	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.	0.7	83
112	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.	3.5	29
113	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.	1.2	29
114	Integrating two physiological approaches helps relate respiration to growth of <i>Pinus radiata</i> . <i>New Phytologist</i> , 2008, 180, 841-852.	3.5	8
115	Sensitivity of respiratory metabolism and efficiency to foliar nitrogen during growth and maintenance. <i>Global Change Biology</i> , 2008, 14, 1233-1251.	4.2	13
116	Temperature responses are a window to the physiology of dark respiration: differences between CO ₂ release and O ₂ reduction shed light on energy conservation. <i>Plant, Cell and Environment</i> , 2008, 31, 901-914.	2.8	22
117	Three parameters comprehensively describe the temperature response of respiratory oxygen reduction. <i>Plant, Cell and Environment</i> , 2008, 31, 954-967.	2.8	36
118	Estimation of drought-related limitations to mid-rotation aged plantation grown <i>Eucalyptus globulus</i> by phloem sap analysis. <i>Forest Ecology and Management</i> , 2008, 256, 844-848.	1.4	16
119	Harnessing forest ecological sciences in the service of stewardship and sustainability. <i>Forest Ecology and Management</i> , 2008, 256, 1636-1645.	1.4	20
120	Photoprotective carotenoids and antioxidants are more affected by canopy position than by nitrogen supply in 21-year-old <i>Pinus radiata</i> . <i>Functional Plant Biology</i> , 2008, 35, 470.	1.1	11
121	Chapter 14 Smoke from Wildfires and Prescribed Burning in Australia: Effects on Human Health and Ecosystems. <i>Developments in Environmental Science</i> , 2008, , 289-316.	0.5	12
122	Lack of genetic variation in tree ring $\delta^{13}C$ suggests a uniform, stomatally-driven response to drought stress across <i>Pinus radiata</i> genotypes. <i>Tree Physiology</i> , 2008, 29, 191-198.	1.4	10
123	Contrasting Physiological Responses of Six <i>Eucalyptus</i> Species to Water Deficit. <i>Annals of Botany</i> , 2007, 100, 1507-1515.	1.4	110
124	Soil Water Nitrate and Ammonium Dynamics under a Sewage Effluent-Irrigated <i>Eucalypt</i> Plantation. <i>Journal of Environmental Quality</i> , 2007, 36, 1883-1894.	1.0	14
125	Estimation of leaf area index in eucalypt forest using digital photography. <i>Agricultural and Forest Meteorology</i> , 2007, 143, 176-188.	1.9	219
126	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.	1.4	70

#	ARTICLE	IF	CITATIONS
127	Potential for rural electrification based on biomass gasification in Cambodia. <i>Biomass and Bioenergy</i> , 2007, 31, 656-664.	2.9	66
128	PTR-MS analysis of reference and plant-emitted volatile organic compounds. <i>International Journal of Mass Spectrometry</i> , 2007, 262, 203-210.	0.7	123
129	Quercitol links the physiology, taxonomy and evolution of 279 eucalypt species. <i>Global Ecology and Biogeography</i> , 2007, 16, 810-819.	2.7	27
130	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.	3.5	27
131	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.	4.2	56
132	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.	0.9	34
133	Comparison of four methods for measuring osmotic potential of tree leaves. <i>Physiologia Plantarum</i> , 2006, 127, 383-392.	2.6	57
134	Nitrogen availability and weed invasion in a remnant native woodland in urban Melbourne. <i>Austral Ecology</i> , 2006, 31, 262-270.	0.7	20
135	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.	2.8	204
136	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.	2.8	96
137	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.	1.7	51
138	Quantifying uncertainty from large-scale model predictions of forest carbon dynamics. <i>Global Change Biology</i> , 2006, 12, 1421-1434.	4.2	57
139	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.	4.2	133
140	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.	1.8	53
141	Water stress impacts on respiratory rate, efficiency and substrates, in growing and mature foliage of <i>Eucalyptus</i> spp. <i>Planta</i> , 2006, 224, 680-691.	1.6	16
142	Targeted metabolite profiling provides a functional link among eucalypt taxonomy, physiology and evolution. <i>Phytochemistry</i> , 2006, 67, 402-408.	1.4	63
143	Salt tolerance in <i>Eucalyptus</i> spp.: identity and response of putative osmolytes. <i>Plant, Cell and Environment</i> , 2005, 28, 772-787.	2.8	47
144	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.	3.5	46

#	ARTICLE	IF	CITATIONS
145	Is the bark of shining gum (<i>Eucalyptus nitens</i>) a sun or a shade leaf?. <i>Trees - Structure and Function</i> , 2005, 19, 415-421.	0.9	22
146	What determines interspecific variation in relative growth rate of <i>Eucalyptus</i> seedlings?. <i>Oecologia</i> , 2005, 144, 373-381.	0.9	21
147	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.	0.8	48
148	Stable osmotica in <i>Eucalyptus spathulata</i> " responses to salt and water deficit stress. <i>Functional Plant Biology</i> , 2005, 32, 797.	1.1	21
149	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.	1.1	85
150	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.	2.8	50
151	Assessment of ecological effects due to forest harvesting: approaches and statistical issues. <i>Journal of Applied Ecology</i> , 2004, 41, 585-598.	1.9	72
152	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.	2.8	61
153	Ecophysiology of ectomycorrhizal fungi associated with <i>Pinus</i> spp. in low rainfall areas of Western Australia. <i>Plant Ecology</i> , 2004, 171, 35-52.	0.7	21
154	Nitrogen fixation and metabolism by groundwater-dependent perennial plants in a hyperarid desert. <i>Oecologia</i> , 2004, 141, 385-394.	0.9	47
155	Capillary electrophoresis of the major anions and cations in leaf extracts of woody species. <i>Phytochemical Analysis</i> , 2004, 15, 407-413.	1.2	12
156	Soil Functional Responses to Excess Nitrogen Inputs at Global Scale. <i>Ambio</i> , 2004, 33, 530-536.	2.8	32
157	Evergreen trees do not maximize instantaneous photosynthesis. <i>Trends in Plant Science</i> , 2004, 9, 270-274.	4.3	133
158	Ecological effects of harvesting in Victoria's native forests: quantification of research outputs. <i>Australian Forestry</i> , 2004, 67, 212-221.	0.3	3
159	What determines rates of photosynthesis per unit nitrogen in <i>Eucalyptus</i> seedlings?. <i>Functional Plant Biology</i> , 2004, 31, 1169.	1.1	30
160	Title is missing!. <i>Plant Ecology</i> , 2003, 164, 185-199.	0.7	62
161	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.	0.9	156
162	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.	1.2	28

#	ARTICLE	IF	CITATIONS
163	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.	2.8	163
164	Possible causes of slow growth of nitrate-supplied <i>Pinus pinaster</i> . <i>Canadian Journal of Forest Research</i> , 2002, 32, 569-580.	0.8	26
165	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
166	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.	1.2	35
167	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.	1.2	47
168	Do variations on a model of landscape function assist in interpreting the growth response of vegetation to rainfall in arid environments?. <i>Journal of Arid Environments</i> , 2002, 50, 23-52.	1.2	22
169	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
170	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.	2.8	38
171	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.	1.2	41
172	Tree roots: conduits for deep recharge of soil water. <i>Oecologia</i> , 2001, 126, 158-165.	0.9	186
173	Water availability and carbon isotope discrimination in conifers. <i>Oecologia</i> , 2001, 127, 476-486.	0.9	313
174	Radiation modifies the effect of water availability on the carbon isotope composition of beech (<i>Fagus</i>) Tj ETQq0 0 Q,rgBT /Overlock 10 T	3.5	109
175	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.	2.8	147
176	Stable Isotopes at Natural Abundance in Terrestrial Plant Ecology and Ecophysiology: An Update. <i>Plant Biology</i> , 2001, 3, 299-310.	1.8	104
177	Mineralisation of nitrogen in a chronosequence of rehabilitated bauxite mines. <i>Soil Research</i> , 2000, 38, 435.	0.6	18
178	Litter cover as an index of nitrogen availability in rehabilitated mine sites. <i>Soil Research</i> , 2000, 38, 423.	0.6	14
179	Contrasts between <i>Eucalyptus</i> subgenera. <i>Functional Ecology</i> , 2000, 14, 654-654.	1.7	0
180	Effect of N source on concentration of Rubisco in <i>Eucalyptus diversicolor</i> , as measured by capillary electrophoresis. <i>Physiologia Plantarum</i> , 2000, 110, 52-58.	2.6	17

#	ARTICLE	IF	CITATIONS
181	Trade-offs between the persistence of foliage and productivity in two <i>Pinus</i> species. <i>Oecologia</i> , 2000, 124, 487-494.	0.9	54
182	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.	0.7	19
183	Is photosynthesis related to concentrations of nitrogen and Rubisco in leaves of Australian native plants?. <i>Functional Plant Biology</i> , 2000, 27, 407.	1.1	60
184	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.	1.4	44
185	Seasonal Water Acquisition and Redistribution in the Australian Woody Phreatophyte, <i>Banksia prionotes</i> . <i>Annals of Botany</i> , 2000, 85, 215-224.	1.4	113
186	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.	2.4	39
187	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.	1.9	78
188	Plant species affect acid phosphatase, ergosterol and microbial P in a Jarrah (<i>Eucalyptus marginata</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.2	112
189	Sequential fractionation and characterisation (^{31}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.	4.2	31
190	Close-Range Vertical Photography for Measuring Cover Changes in Perennial Grasslands. <i>Journal of Range Management</i> , 2000, 53, 634.	0.3	49
191	Separation of Rubisco in Extracts of Plant Leaves by Capillary Electrophoresis with Sieving Polymers. <i>Analytical Letters</i> , 2000, 33, 579-587.	1.0	7
192	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.	2.4	53
193	Nutrient Distribution among Metabolic Fractions in 2 <i>Atriplex</i> spp.. <i>Journal of Range Management</i> , 2000, 53, 79.	0.3	7
194	Regeneration of the legumes <i>Acacia ancistrocarpa</i> and <i>Senna notabilis</i> in the Pilbara region of Western Australia: mineral nutrition and carbon fractions. <i>Australian Journal of Botany</i> , 2000, 48, 435.	0.3	5
195	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.	1.4	77
196	RETENTION BEHAVIOR AND SIMULTANEOUS SEPARATION OF CARBOXYLIC AND AROMATIC ACIDS USING ION-EXCLUSION CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1999, 22, 2595-2611.	0.5	13
197	Simultaneous determination of aliphatic and aromatic acids in plant tissue extracts by ion-exclusion chromatography. <i>Analytica Chimica Acta</i> , 1999, 386, 249-256.	2.6	24
198	2,6-Pyridinedicarboxylic acid as an eluent for UV and conductivity detection of inorganic anions, magnesium and calcium in water by ion chromatography. <i>Chromatographia</i> , 1999, 49, 496-502.	0.7	18

#	ARTICLE	IF	CITATIONS
199	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.	1.1	110
200	Evaluation of anion exchange membranes to estimate bioavailable phosphorus in native grasslands of semi-arid Northwestern Australia. <i>Communications in Soil Science and Plant Analysis</i> , 1999, 30, 2231-2244.	0.6	19
201	Indices for characterising spatial variability of soil nitrogen semi-arid grasslands of Northwestern Australia. <i>Soil Biology and Biochemistry</i> , 1999, 31, 735-746.	4.2	27
202	Phosphorus availability and the growth, mineral composition and nutritive value of ephemeral forbs and associated perennials from the Pilbara, Western Australia. <i>Australian Journal of Experimental Agriculture</i> , 1999, 39, 149.	1.0	14
203	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.	2.6	40
204	Indirect photometric detection of aliphatic acids separated by ion-exclusion chromatography using aromatic acidic eluents. <i>Journal of Chromatography A</i> , 1998, 818, 61-68.	1.8	18
205	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.	1.1	40
206	The redistribution of soil water by tree root systems. <i>Oecologia</i> , 1998, 115, 306-311.	0.9	480
207	Spatial and temporal variations in phloem sap composition of plantation-grown <i>Eucalyptus globulus</i> . <i>Oecologia</i> , 1998, 117, 312-322.	0.9	79
208	$\delta^{13}\text{C}$ 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.	1.7	30
209	A metallic cobalt electrode for the indirect potentiometric determination of calcium and magnesium in natural waters using flow injection analysis. <i>Talanta</i> , 1998, 47, 779-786.	2.9	15
210	Non-Suppressed Conductivity Detection of Organic Acids in Plant Tissue Extracts by Ion-Exclusion Chromatography with Aromatic Acid Eluents. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1998, 21, 2435-2445.	0.5	9
211	Fertilizer impacts on the understorey of a regenerating Mountain Ash (<i>Eucalyptus regnans</i> F. Muell.) forest, Victoria. <i>Austral Ecology</i> , 1996, 21, 459-463.	0.7	8
212	Effects of phosphorus supply on growth and nitrogen fractions in xylem sap and foliage of <i>Eucalyptus regnans</i> (F.Muell.), <i>E. nitens</i> (Maiden) and <i>E. globulus</i> (Labill.) seedlings: implications for herbivory. <i>Trees - Structure and Function</i> , 1995, 9, 324-331.	0.9	18
213	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.	0.3	40
214	Nitrogen and Phosphorus Availability and the Role of Fire in Heathlands at Wilsons Promontory. <i>Australian Journal of Botany</i> , 1994, 42, 269.	0.3	38
215	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.	0.9	27
216	Nutrient cycling in forests. <i>New Phytologist</i> , 1993, 124, 561-582.	3.5	568

#	ARTICLE	IF	CITATIONS
217	Estimates of Carbon Storage in the Aboveground Biomass of Victorias Forests. Australian Journal of Botany, 1992, 40, 631.	0.3	70
218	Phosphatase activity and phosphorus fractions in Karri (<i>Eucalyptus diversicolor</i> F. Muell.) forest soils. Biology and Fertility of Soils, 1992, 14, 200-204.	2.3	59
219	Availability of organic and inorganic forms of phosphorus to lupins (<i>Lupinus</i> spp.). Plant and Soil, 1992, 145, 107-113.	1.8	146
220	Nitrogen and phosphorus cycling in relation to stand age of <i>Eucalyptus regnans</i> F. Muell.. Plant and Soil, 1992, 142, 167-176.	1.8	47
221	Nitrogen and phosphorus cycling in relation to stand age of <i>Eucalyptus regnans</i> F. Muell. Plant and Soil, 1992, 142, 177-185.	1.8	49
222	Nutrient balance in forests of northern Tasmania. 1. Atmospheric inputs and within-stand cycles. Forest Ecology and Management, 1991, 44, 93-113.	1.4	29
223	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. Forest Ecology and Management, 1991, 44, 115-131.	1.4	32
224	31P-NMR identification of phosphorus compounds in neutral extracts of mountain ash (<i>Eucalyptus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.2	25
225	Availability of nitrogen and phosphorus in forest soils in northeastern Tasmania. Biology and Fertility of Soils, 1989, 8, 212.	2.3	24
226	31P-NMR analysis of phosphorus compounds in extracts of surface soils from selected karri (<i>Eucalyptus diversicolor</i> F. Muell.) forests. Soil Biology and Biochemistry, 1989, 21, 523-528.	4.2	75
227	In situ studies of nitrogen mineralization and uptake in forest soils; some comments on methodology. Soil Biology and Biochemistry, 1989, 21, 423-429.	4.2	118
228	Nutrient cycling and nitrogen mineralization in eucalypt forests of south-eastern Australia. Plant and Soil, 1986, 92, 319-339.	1.8	75
229	Nutrient cycling and nitrogen mineralization in eucalypt forests of south-eastern Australia. Plant and Soil, 1986, 92, 341-362.	1.8	191
230	Effects of mound-cultivation (bedding) on concentration and conservation of nutrients in a sandy podzol. Forest Ecology and Management, 1985, 11, 97-110.	1.4	20
231	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. Australian Journal of Botany, 1984, 32, 205.	0.3	58
232	Patterns of genetic variation in a group of parasites, The Australian reptile ticks. Heredity, 1984, 53, 509-525.	1.2	40
233	Patterns of nitrogen mineralization in 23-year old pine forest following nitrogen fertilizing. Forest Ecology and Management, 1984, 7, 241-248.	1.4	23
234	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. Australian Journal of Botany, 1984, 32, 217.	0.3	35

#	ARTICLE	IF	CITATIONS
235	Nitrogen mineralization and nitrate reduction in forests. <i>Soil Biology and Biochemistry</i> , 1982, 14, 197-202.	4.2	62
236	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.	1.8	55