

Mark A. Adams

List of Publications by Year in descending order

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Version: 2024-02-01

237
papers

13,543
citations

22153

59
h-index

29157

104
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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.	9.5	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.	2.0	10
3	Disproportionate CH ₄ Sink Strength from an Endemic, Sub-Alpine Australian Soil Microbial Community. <i>Microorganisms</i> , 2021, 9, 606.	3.6	1
4	Topography not tenure controls extent of wildfire within Mountain Ash forests. <i>Environmental Research Letters</i> , 2021, 16, 044021.	5.2	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.	7.3	9
6	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021, 13, 2607-2649.	9.9	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.	12.8	30
8	Dynamics of necromass in woody Australian ecosystems. <i>Ecosphere</i> , 2021, 12, e03693.	2.2	6
9	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021, 8, 254.	5.3	73
10	Wildfire management in Mediterranean-type regions: paradigm change needed. <i>Environmental Research Letters</i> , 2020, 15, 011001.	5.2	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.	5.7	4
12	Forests and Decarbonization – Roles of Natural and Planted Forests. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	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, .	2.3	4
14	Diminishing CO ₂ -driven gains in water-use efficiency of global forests. <i>Nature Climate Change</i> , 2020, 10, 466-471.	18.8	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.	9.5	28
16	Rainfall drives variation in rates of change in intrinsic water use efficiency of tropical forests. <i>Nature Communications</i> , 2019, 10, 3661.	12.8	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.	7.3	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.	3.4	41

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19	Mineral nutrition of sub-alpine Australian vegetation under nutrient deficiency depends on lifeform. <i>Environmental and Experimental Botany</i> , 2019, 160, 92-100.	4.2	1
20	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
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.	5.7	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.	8.0	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.	4.8	24
24	Crops, Nitrogen, Water: Are Legumes Friend, Foe, or Misunderstood Ally?. <i>Trends in Plant Science</i> , 2018, 23, 539-550.	8.8	33
25	Contrasting responses of crop legumes and cereals to nitrogen availability. <i>New Phytologist</i> , 2018, 217, 1475-1483.	7.3	23
26	Estimates of rhizosphere priming effects are affected by soil disturbance. <i>Geoderma</i> , 2018, 313, 1-6.	5.1	10
27	Grand Challenges: Forests and Global Change. <i>Frontiers in Forests and Global Change</i> , 2018, 1, .	2.3	6
28	Plant and soil P determine functional attributes of subalpine Australian plants. <i>Arctic, Antarctic, and Alpine Research</i> , 2018, 50, .	1.1	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.	5.3	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.	1.9	14
31	Improving forest sampling strategies for assessment of fuel reduction burning. <i>Forest Ecology and Management</i> , 2017, 392, 78-89.	3.2	3
32	Tracking the origins of the Kok effect, 70 years after its discovery. <i>New Phytologist</i> , 2017, 214, 506-510.	7.3	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.	2.3	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.	5.3	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.	7.3	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.	5.1	74

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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.	7.3	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.	5.2	16
39	Optimisation of fuel reduction burning regimes for carbon, water and vegetation outcomes. <i>Journal of Environmental Management</i> , 2017, 203, 157-170.	7.8	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.	4.0	16
41	Solar UV Upregulates Photoprotection but Slows Photosynthesis in Subalpine Australian Plants. <i>Arctic, Antarctic, and Alpine Research</i> , 2017, 49, 673-685.	1.1	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.	2.5	4
43	Climate determines vascular traits in the ecologically diverse genus <i>Eucalyptus</i> . <i>Ecology Letters</i> , 2016, 19, 240-248.	6.4	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.	9.5	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.	9.5	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.	7.1	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.	3.2	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.	7.1	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.	3.2	8
50	A novel mechanistic interpretation of instantaneous temperature responses of leaf net photosynthesis. <i>Photosynthesis Research</i> , 2016, 129, 43-58.	2.9	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.	2.7	8
52	Emissions from prescribed fires in temperate forest in south-east Australia: implications for carbon accounting. <i>Biogeosciences</i> , 2015, 12, 257-268.	3.3	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.	2.4	6
54	Stomatal structure and physiology do not explain differences in water use among montane eucalypts. <i>Oecologia</i> , 2015, 177, 1171-1181.	2.0	9

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55	Fire Eases Imbalances of Nitrogen and Phosphorus in Woody Plants. <i>Ecosystems</i> , 2015, 18, 769-779.	3.4	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.	4.8	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.	5.4	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.	1.9	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.	2.0	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.	2.4	13
63	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
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.	2.0	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.	2.0	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.	2.0	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.	3.2	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.	3.2	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.	5.4	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.	3.2	97
71	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
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.	3.2	235

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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	737
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.	7.3	336
75	Soil Security: Solving the Global Soil Crisis. <i>Global Policy</i> , 2013, 4, 434-441.	1.7	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.	2.3	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.	3.2	13
78	Disentangling respiratory acclimation and adaptation to growth temperature by <i>Eucalyptus</i> . <i>New Phytologist</i> , 2012, 195, 149-163.	7.3	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.	3.2	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.	3.2	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.	9.5	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.	5.7	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.	5.2	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.	1.5	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.	5.7	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.	5.7	18
87	Steps towards a mechanistic understanding of respiratory temperature responses. <i>New Phytologist</i> , 2011, 189, 659-677.	7.3	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.	8.8	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.	1.9	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.	3.1	65

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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.	3.1	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.	3.1	45
93	Soil Respiration in Future Global Change Scenarios. <i>Soil Biology</i> , 2011, , 131-153.	0.8	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.	2.0	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.	7.3	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.	5.7	14
97	Vegetation type determines heterotrophic respiration in subalpine Australian ecosystems. <i>Global Change Biology</i> , 2010, 16, 209-219.	9.5	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.	4.8	75
99	Woody legumes: a (re)view from the South. <i>Tree Physiology</i> , 2010, 30, 1072-1082.	3.1	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, .	4.2	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.	3.2	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.	4.8	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.	3.1	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.	5.2	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.	3.1	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.	8.8	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.	4.1	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.	4.2	7

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109	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
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.	3.9	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.	1.5	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.	7.3	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.	2.4	29
114	Integrating two physiological approaches helps relate respiration to growth of <i>Pinus radiata</i> . <i>New Phytologist</i> , 2008, 180, 841-852.	7.3	8
115	Sensitivity of respiratory metabolism and efficiency to foliar nitrogen during growth and maintenance. <i>Global Change Biology</i> , 2008, 14, 1233-1251.	9.5	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.	5.7	22
117	Three parameters comprehensively describe the temperature response of respiratory oxygen reduction. <i>Plant, Cell and Environment</i> , 2008, 31, 954-967.	5.7	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.	3.2	16
119	Harnessing forest ecological sciences in the service of stewardship and sustainability. <i>Forest Ecology and Management</i> , 2008, 256, 1636-1645.	3.2	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.	2.1	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.	3.1	10
123	Contrasting Physiological Responses of Six <i>Eucalyptus</i> Species to Water Deficit. <i>Annals of Botany</i> , 2007, 100, 1507-1515.	2.9	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.	2.0	14
125	Estimation of leaf area index in eucalypt forest using digital photography. <i>Agricultural and Forest Meteorology</i> , 2007, 143, 176-188.	4.8	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.	3.2	70

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127	Potential for rural electrification based on biomass gasification in Cambodia. <i>Biomass and Bioenergy</i> , 2007, 31, 656-664.	5.7	66
128	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
129	Quercitol links the physiology, taxonomy and evolution of 279 eucalypt species. <i>Global Ecology and Biogeography</i> , 2007, 16, 810-819.	5.8	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.	7.3	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.	8.8	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.	2.0	34
133	Comparison of four methods for measuring osmotic potential of tree leaves. <i>Physiologia Plantarum</i> , 2006, 127, 383-392.	5.2	57
134	Nitrogen availability and weed invasion in a remnant native woodland in urban Melbourne. <i>Austral Ecology</i> , 2006, 31, 262-270.	1.5	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.	5.7	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.	5.7	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.	3.6	51
138	Quantifying uncertainty from large-scale model predictions of forest carbon dynamics. <i>Global Change Biology</i> , 2006, 12, 1421-1434.	9.5	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.	9.5	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.	3.7	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.	3.2	16
142	Targeted metabolite profiling provides a functional link among eucalypt taxonomy, physiology and evolution. <i>Phytochemistry</i> , 2006, 67, 402-408.	2.9	63
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