

Mark A. Adams

List of Publications by Year in Descending Order

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

234
papers

10,757
citations

54
h-index

93
g-index

244
ext. papers

12,135
ext. citations

5.3
avg, IF

6.37
L-index

#	Paper	IF	Citations
234	Overestimated gains in water-use efficiency by global forests.. <i>Global Change Biology</i> , 2022 ,	11.4	2
233	Topography not tenure controls extent of wildfire within Mountain Ash forests. <i>Environmental Research Letters</i> , 2021 , 16, 044021	6.2	
232	Mesophyll photosynthetic sensitivity to leaf water potential in Eucalyptus: a new dimension of plant adaptation to native moisture supply. <i>New Phytologist</i> , 2021 , 230, 1844-1855	9.8	3
231	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021 , 13, 2607-2649	10.5	13
230	Mistletoes and their eucalypt hosts differ in the response of leaf functional traits to climatic moisture supply. <i>Oecologia</i> , 2021 , 195, 759-771	2.9	7
229	CO ₂ nitrogen deposition and a discontinuous climate response drive water use efficiency in global forests. <i>Nature Communications</i> , 2021 , 12, 5194	17.4	5
228	Dynamics of necromass in woody Australian ecosystems. <i>Ecosphere</i> , 2021 , 12, e03693	3.1	0
227	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021 , 8, 254	8.2	6
226	Forests and Decarbonization [Roles of Natural and Planted Forests. <i>Frontiers in Forests and Global Change</i> , 2020 , 3,	3.7	14
225	Diminishing CO ₂ -driven gains in water-use efficiency of global forests. <i>Nature Climate Change</i> , 2020 , 10, 466-471	21.4	25
224	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	11.4	18
223	Wildfire management in Mediterranean-type regions: paradigm change needed. <i>Environmental Research Letters</i> , 2020 , 15, 011001	6.2	124
222	Managing mixed Callitris-Eucalyptus forests for carbon and energy in central-eastern Australia. <i>Biomass and Bioenergy</i> , 2020 , 140, 105656	5.3	3
221	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	9.8	11
220	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	3.9	25
219	Mineral nutrition of sub-alpine Australian vegetation under nutrient deficiency depends on lifeform. <i>Environmental and Experimental Botany</i> , 2019 , 160, 92-100	5.9	
218	Rainfall drives variation in rates of change in intrinsic water use efficiency of tropical forests. <i>Nature Communications</i> , 2019 , 10, 3661	17.4	9

217	A standardization method to disentangle environmental information from axial trends of xylem anatomical traits. <i>Tree Physiology</i> , 2019 , 39, 495-502	4.2	16
216	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	8.4	4
215	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	10.2	3
214	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	5.8	12
213	Crops, Nitrogen, Water: Are Legumes Friend, Foe, or Misunderstood Ally?. <i>Trends in Plant Science</i> , 2018 , 23, 539-550	13.1	20
212	Plant and soil P determine functional attributes of subalpine Australian plants. <i>Arctic, Antarctic, and Alpine Research</i> , 2018 , 50, e1420246	1.8	4
211	Contrasting responses of crop legumes and cereals to nitrogen availability. <i>New Phytologist</i> , 2018 , 217, 1475-1483	9.8	16
210	Estimates of rhizosphere priming effects are affected by soil disturbance. <i>Geoderma</i> , 2018 , 313, 1-6	6.7	7
209	Grand Challenges: Forests and Global Change. <i>Frontiers in Forests and Global Change</i> , 2018 , 1,	3.7	5
208	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	5.7	1
207	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	2.6	9
206	Improving forest sampling strategies for assessment of fuel reduction burning. <i>Forest Ecology and Management</i> , 2017 , 392, 78-89	3.9	3
205	Tracking the origins of the Kok effect, 70 years after its discovery. <i>New Phytologist</i> , 2017 , 214, 506-510	9.8	21
204	Allometric equations for biomass and carbon stocks of forests along an altitudinal gradient in the eastern Himalayas. <i>Forestry</i> , 2017 , 90, 445-454	2.2	7
203	Quantifying and predicting spatio-temporal variability of soil CH ₄ and N ₂ O fluxes from a seemingly homogeneous Australian agricultural field. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 240, 182-193	5.7	27
202	Leaf day respiration: low CO flux but high significance for metabolism and carbon balance. <i>New Phytologist</i> , 2017 , 216, 986-1001	9.8	91
201	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	3.7	3
200	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	6.7	46

199	The Kok effect in <i>Vicia faba</i> cannot be explained solely by changes in chloroplastic CO concentration. <i>New Phytologist</i> , 2017 , 216, 1064-1071	9.8	15
198	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	4.6	9
197	Optimisation of fuel reduction burning regimes for carbon, water and vegetation outcomes. <i>Journal of Environmental Management</i> , 2017 , 203, 157-170	7.9	5
196	Enhanced decomposition and nitrogen mineralization sustain rapid growth of <i>Eucalyptus regnans</i> after wildfire. <i>Journal of Ecology</i> , 2017 , 105, 229-236	6	14
195	Solar UV Upregulates Photoprotection but Slows Photosynthesis in Subalpine Australian Plants. <i>Arctic, Antarctic, and Alpine Research</i> , 2017 , 49, 673-685	1.8	3
194	Vessel diameter and related hydraulic traits of 31 <i>Eucalyptus</i> species arrayed along a gradient of water availability. <i>Ecology</i> , 2016 , 97, 1626	4.6	7
193	A novel mechanistic interpretation of instantaneous temperature responses of leaf net photosynthesis. <i>Photosynthesis Research</i> , 2016 , 129, 43-58	3.7	7
192	Climate determines vascular traits in the ecologically diverse genus <i>Eucalyptus</i> . <i>Ecology Letters</i> , 2016 , 19, 240-8	10	99
191	Testing the generality of above-ground biomass allometry across plant functional types at the continent scale. <i>Global Change Biology</i> , 2016 , 22, 2106-24	11.4	91
190	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, 2255-68	11.4	82
189	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, 4098-103	11.5	122
188	Production of pyrogenic carbon during planned fires in forests of East Gippsland, Victoria. <i>Forest Ecology and Management</i> , 2016 , 373, 9-16	3.9	18
187	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	11.5	6
186	Fire Eases Imbalances of Nitrogen and Phosphorus in Woody Plants. <i>Ecosystems</i> , 2015 , 18, 769-779	3.9	28
185	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	5.8	6
184	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	3	7
183	Emissions from prescribed fires in temperate forest in south-east Australia: implications for carbon accounting. <i>Biogeosciences</i> , 2015 , 12, 257-268	4.6	15
182	Assessing the impact of large-scale water table modifications on riparian trees: a case study from Australia. <i>Ecohydrology</i> , 2015 , 8, 642-651	2.5	5

181	Stomatal structure and physiology do not explain differences in water use among montane eucalypts. <i>Oecologia</i> , 2015 , 177, 1171-81	2.9	7
180	Anatomical and physiological regulation of post-fire carbon and water exchange in canopies of two resprouting Eucalyptus species. <i>Oecologia</i> , 2014 , 176, 333-43	2.9	4
179	Pyrogenic carbon: the influence of particle size and chemical composition on soil carbon release. <i>International Journal of Wildland Fire</i> , 2014 , 23, 1027	3.2	11
178	Insulation capacity of three bark types of temperate Eucalyptus species. <i>Forest Ecology and Management</i> , 2014 , 313, 224-232	3.9	26
177	Nitrogen Deposition Effects on Ecosystem Services and Interactions with other Pollutants and Climate Change 2014 , 493-505		5
176	The Effects of Atmospheric Nitrogen Deposition on Terrestrial and Freshwater Biodiversity 2014 , 465-480		7
175	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	6	5
174	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	2.6	6
173	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, 1063-74	2.9	20
172	Photosynthetic benefits of ultraviolet-A to <i>Pimelea ligustrina</i> , a woody shrub of sub-alpine Australia. <i>Oecologia</i> , 2013 , 173, 375-85	2.9	24
171	Water flux of <i>Eucalyptus regnans</i> : defying summer drought and a record heatwave in 2009. <i>Oecologia</i> , 2013 , 172, 317-26	2.9	33
170	Stand water use status in relation to fire in a mixed species eucalypt forest. <i>Forest Ecology and Management</i> , 2013 , 304, 162-170	3.9	22
169	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	3.9	6
168	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	6	10
167	Mega-fires, inquiries and politics in the eucalypt forests of Victoria, south-eastern Australia. <i>Forest Ecology and Management</i> , 2013 , 294, 45-53	3.9	76
166	The knowns, known unknowns and unknowns of sequestration of soil organic carbon. <i>Agriculture, Ecosystems and Environment</i> , 2013 , 164, 80-99	5.7	834
165	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	3.9	173
164	The role of continental shelf width in determining freshwater phylogeographic patterns in south-eastern Australian pygmy perch (Teleostei: Percichthyidae). <i>Molecular Ecology</i> , 2013 , 22, 1683-99	5.7	39

163	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	9.8	256
162	Soil Security: Solving the Global Soil Crisis. <i>Global Policy</i> , 2013 , 4, 434-441	1.8	173
161	Simple models for stomatal conductance derived from a process model: cross-validation against sap flux data. <i>Plant, Cell and Environment</i> , 2012 , 35, 1647-62	8.4	50
160	Site-specific responses to short-term environmental variation are reflected in leaf and phloem-sap carbon isotopic abundance of field grown <i>Eucalyptus globulus</i> . <i>Physiologia Plantarum</i> , 2012 , 146, 448-594	4.6	8
159	Modern tools to tackle traditional concerns: Evaluation of site productivity and <i>Pinus radiata</i> management via $\delta^{13}\text{C}$ - and $\delta^{18}\text{O}$ -analysis of tree-rings. <i>Forest Ecology and Management</i> , 2012 , 285, 227-238	3.9	12
158	Disentangling respiratory acclimation and adaptation to growth temperature by <i>Eucalyptus</i> . <i>New Phytologist</i> , 2012 , 195, 149-63	9.8	12
157	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	3.9	34
156	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	3.9	16
155	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	11.4	68
154	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	2.9	20
153	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
152	An analytical model of non-photorespiratory CO ₂ release in the light and dark in leaves of <i>C₃</i> species based on stoichiometric flux balance. <i>Plant, Cell and Environment</i> , 2011 , 34, 89-112	8.4	42
151	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, 1599-608	8.4	17
150	Steps towards a mechanistic understanding of respiratory temperature responses. <i>New Phytologist</i> , 2011 , 189, 659-677	9.8	63
149	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	7.5	24
148	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, 435-50	2.8	30
147	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	4.2	48
146	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, 1041-51	4.2	38

145	Interactive effects of elevated CO ₂ and drought on nocturnal water fluxes in <i>Eucalyptus saligna</i> . <i>Tree Physiology</i> , 2011 , 31, 932-44	4.2	33
144	Soil Respiration in Future Global Change Scenarios. <i>Soil Biology</i> , 2011 , 131-153	1	3
143	The challenge of tree height in <i>Eucalyptus regnans</i> : when xylem tapering overcomes hydraulic resistance. <i>New Phytologist</i> , 2010 , 187, 1146-1153	9.8	67
142	Relations of sugar composition and delta 13C in phloem sap to growth and physiological performance of <i>Eucalyptus globulus</i> (Labill). <i>Plant, Cell and Environment</i> , 2010 , 33, 1361-8	8.4	10
141	Vegetation type determines heterotrophic respiration in subalpine Australian ecosystems. <i>Global Change Biology</i> , 2010 , 16, 209-219	11.4	24
140	Phloem sap and leaf delta13C, 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, 1785-93	7	62
139	Woody legumes: a (re)view from the South. <i>Tree Physiology</i> , 2010 , 30, 1072-82	4.2	43
138	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	3.9	58
137	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	5.8	96
136	Seasonal changes in carbohydrates, cyclitols, and water relations of 3 field grown <i>Eucalyptus</i> species from contrasting taxonomy on a common site. <i>Annals of Forest Science</i> , 2010 , 67, 104-104	3.1	17
135	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, 1033-45	4.2	6
134	Urban Wildland fires: how California and other regions of the US can learn from Australia. <i>Environmental Research Letters</i> , 2009 , 4, 014010	6.2	48
133	Nitrogen uptake by <i>Eucalyptus regnans</i> and <i>Acacia</i> spp. - preferences, resource overlap and energetic costs. <i>Tree Physiology</i> , 2009 , 29, 389-99	4.2	29
132	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	7.5	50
131	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	5.3	75
130	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	5.9	7
129	Eucalypt smoke and wildfires: Temperature dependent emissions of biogenic volatile organic compounds. <i>International Journal of Mass Spectrometry</i> , 2009 , 279, 126-133	1.9	42
128	Premature Decline of <i>Eucalyptus</i> and Altered Ecosystem Processes in the Absence of Fire in Some Australian Forests. <i>Botanical Review</i> , 2009 , 75, 191-202	3.8	48

127	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, 2241-6	2.2	72
126	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	9.8	25
125	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	2.5	25
124	Lack of genetic variation in tree ring $\delta^{13}\text{C}$ suggests a uniform, stomatally-driven response to drought stress across <i>Pinus radiata</i> genotypes. <i>Tree Physiology</i> , 2009 , 29, 191-8	4.2	10
123	Integrating two physiological approaches helps relate respiration to growth of <i>Pinus radiata</i> . <i>New Phytologist</i> , 2008 , 180, 841-52	9.8	4
122	Sensitivity of respiratory metabolism and efficiency to foliar nitrogen during growth and maintenance. <i>Global Change Biology</i> , 2008 , 14, 1233-1251	11.4	9
121	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, 901-14	8.4	14
120	Three parameters comprehensively describe the temperature response of respiratory oxygen reduction. <i>Plant, Cell and Environment</i> , 2008 , 31, 954-67	8.4	29
119	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	3.9	13
118	Harnessing forest ecological sciences in the service of stewardship and sustainability. <i>Forest Ecology and Management</i> , 2008 , 256, 1636-1645	3.9	19
117	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, 470-482	2.7	6
116	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		8
115	Potential for rural electrification based on biomass gasification in Cambodia. <i>Biomass and Bioenergy</i> , 2007 , 31, 656-664	5.3	58
114	PTR-MS analysis of reference and plant-emitted volatile organic compounds. <i>International Journal of Mass Spectrometry</i> , 2007 , 262, 203-210	1.9	100
113	Quercitol links the physiology, taxonomy and evolution of 279 eucalypt species. <i>Global Ecology and Biogeography</i> , 2007 , 16, 810-819	6.1	22
112	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	9.8	22
111	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	7.5	53
110	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	2.9	32

109	Contrasting physiological responses of six eucalyptus species to water deficit. <i>Annals of Botany</i> , 2007 , 100, 1507-15	4.1	84
108	Soil water nitrate and ammonium dynamics under a sewage effluent irrigated eucalypt plantation. <i>Journal of Environmental Quality</i> , 2007 , 36, 1883-94	3.4	13
107	Estimation of leaf area index in eucalypt forest using digital photography. <i>Agricultural and Forest Meteorology</i> , 2007 , 143, 176-188	5.8	185
106	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	3.9	63
105	Targeted metabolite profiling provides a functional link among eucalypt taxonomy, physiology and evolution. <i>Phytochemistry</i> , 2006 , 67, 402-8	4	54
104	Comparison of four methods for measuring osmotic potential of tree leaves. <i>Physiologia Plantarum</i> , 2006 , 127, 383-392	4.6	46
103	Nitrogen availability and weed invasion in a remnant native woodland in urban Melbourne. <i>Austral Ecology</i> , 2006 , 31, 262-270	1.5	15
102	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	8.4	184
101	Cyclitols and carbohydrates in leaves and roots of 13 Eucalyptus species suggest contrasting physiological responses to water deficit. <i>Plant, Cell and Environment</i> , 2006 , 29, 2017-29	8.4	81
100	Ecotype adaptation and acclimation of leaf traits to rainfall in 29 species of 16-year-old Eucalyptus at two common gardens. <i>Functional Ecology</i> , 2006 , 20, 929-940	5.6	36
99	Quantifying uncertainty from large-scale model predictions of forest carbon dynamics. <i>Global Change Biology</i> , 2006 , 12, 1421-1434	11.4	47
98	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	11.4	121
97	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	4.2	46
96	Water stress impacts on respiratory rate, efficiency and substrates, in growing and mature foliage of Eucalyptus spp. <i>Planta</i> , 2006 , 224, 680-91	4.7	16
95	Salt tolerance in Eucalyptus spp.: identity and response of putative osmolytes. <i>Plant, Cell and Environment</i> , 2005 , 28, 772-787	8.4	40
94	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, 143-55	9.8	42
93	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	2.6	16
92	What determines interspecific variation in relative growth rate of Eucalyptus seedlings?. <i>Oecologia</i> , 2005 , 144, 373-81	2.9	19


91	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	3.1	44
90	Stable osmotica in <i>Eucalyptus spathulata</i> - responses to salt and water deficit stress. <i>Functional Plant Biology</i> , 2005 , 32, 797-805	2.7	19
89	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, 645-658	2.7	72
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