

List of Publications by Citations

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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	The knowns, known unknowns and unknowns of sequestration of soil organic carbon. <i>Agriculture, Ecosystems and Environment</i> , <b>2013</b> , 164, 80-99	5.7	834
233	Nutrient cycling in forests. <i>New Phytologist</i> , <b>1993</b> , 124, 561-582	9.8	472
232	The redistribution of soil water by tree root systems. <i>Oecologia</i> , <b>1998</b> , 115, 306-311	2.9	428
231	Water availability and carbon isotope discrimination in conifers. <i>Oecologia</i> , <b>2001</b> , 127, 476-486	2.9	286
230	Sensitivity of plants to changing atmospheric CO <sub>2</sub> concentration: from the geological past to the next century. <i>New Phytologist</i> , <b>2013</b> , 197, 1077-1094	9.8	256
229	Estimation of leaf area index in eucalypt forest using digital photography. <i>Agricultural and Forest Meteorology</i> , <b>2007</b> , 143, 176-188	5.8	185
228	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> , <b>2006</b> , 29, 192-201	8.4	184
227	Mega-fires, tipping points and ecosystem services: Managing forests and woodlands in an uncertain future. <i>Forest Ecology and Management</i> , <b>2013</b> , 294, 250-261	3.9	173
226	Soil Security: Solving the Global Soil Crisis. <i>Global Policy</i> , <b>2013</b> , 4, 434-441	1.8	173
225	Tree roots: conduits for deep recharge of soil water. <i>Oecologia</i> , <b>2001</b> , 126, 158-165	2.9	168
224	Nutrient cycling and nitrogen mineralization in eucalypt forests of south-eastern Australia. <i>Plant and Soil</i> , <b>1986</b> , 92, 341-362	4.2	165
223	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> , <b>2003</b> , 26, 1157-1168	8.4	154
222	Availability of organic and inorganic forms of phosphorus to lupins ( <i>Lupinus</i> spp.). <i>Plant and Soil</i> , <b>1992</b> , 145, 107-113	4.2	131
221	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> , <b>2003</b> , 17, 359-366	2.6	129
220	Wildfire management in Mediterranean-type regions: paradigm change needed. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 011001	6.2	124
219	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> , <b>2016</b> , 113, 4098-103	11.5	122
218	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> , <b>2006</b> , 12, 1922-1939	11.4	121

217	Distribution of N, Rubisco and photosynthesis in <i>Pinus pinaster</i> and acclimation to light. <i>Plant, Cell and Environment</i> , <b>2001</b> , 24, 597-609	8.4	111
216	Evergreen trees do not maximize instantaneous photosynthesis. <i>Trends in Plant Science</i> , <b>2004</b> , 9, 270-4	13.1	107
215	In situ studies of nitrogen mineralization and uptake in forest soils; some comments on methodology. <i>Soil Biology and Biochemistry</i> , <b>1989</b> , 21, 423-429	7.5	106
214	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> , <b>1999</b> , 266, 77-84	3.1	104
213	PTR-MS analysis of reference and plant-emitted volatile organic compounds. <i>International Journal of Mass Spectrometry</i> , <b>2007</b> , 262, 203-210	1.9	100
212	Climate determines vascular traits in the ecologically diverse genus <i>Eucalyptus</i> . <i>Ecology Letters</i> , <b>2016</b> , 19, 240-8	10	99
211	Radiation modifies the effect of water availability on the carbon isotope composition of beech ( <i>Fagus sylvatica</i> ). <i>New Phytologist</i> , <b>2001</b> , 150, 653-664	9.8	97
210	Plant species affect acid phosphatase, ergosterol and microbial P in a Jarrah ( <i>Eucalyptus marginata</i> Donn ex Sm.) forest in south-western Australia. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 1817-1827	7.5	97
209	Whole-tree chambers for elevated atmospheric CO <sub>2</sub> experimentation and tree scale flux measurements in south-eastern Australia: The Hawkesbury Forest Experiment. <i>Agricultural and Forest Meteorology</i> , <b>2010</b> , 150, 941-951	5.8	96
208	Stable Isotopes at Natural Abundance in Terrestrial Plant Ecology and Ecophysiology: An Update. <i>Plant Biology</i> , <b>2001</b> , 3, 299-310	3.7	93
207	Leaf day respiration: low CO flux but high significance for metabolism and carbon balance. <i>New Phytologist</i> , <b>2017</b> , 216, 986-1001	9.8	91
206	Seasonal Water Acquisition and Redistribution in the Australian Woody Phreatophyte, <i>Banksia prionotes</i> . <i>Annals of Botany</i> , <b>2000</b> , 85, 215-224	4.1	91
205	Testing the generality of above-ground biomass allometry across plant functional types at the continent scale. <i>Global Change Biology</i> , <b>2016</b> , 22, 2106-24	11.4	91
204	Contrasting physiological responses of six eucalyptus species to water deficit. <i>Annals of Botany</i> , <b>2007</b> , 100, 1507-15	4.1	84
203	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> , <b>2016</b> , 22, 2255-68	11.4	82
202	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> , <b>2006</b> , 29, 2017-29	8.4	81
201	Mega-fires, inquiries and politics in the eucalypt forests of Victoria, south-eastern Australia. <i>Forest Ecology and Management</i> , <b>2013</b> , 294, 45-53	3.9	76
200	Emissions of isoprene, monoterpene and short-chained carbonyl compounds from <i>Eucalyptus</i> spp. in southern Australia. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 3035-3043	5.3	75

199	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> , <b>2009</b> , 23, 2241-6	2.2	72
198	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> , <b>2004</b> , 31, 645-658	2.7	72
197	Spatial and temporal variations in phloem sap composition of plantation-grown <i>Eucalyptus globulus</i> . <i>Oecologia</i> , <b>1998</b> , 117, 312-322	2.9	69
196	Nutrient cycling and nitrogen mineralization in eucalypt forests of south-eastern Australia. <i>Plant and Soil</i> , <b>1986</b> , 92, 319-339	4.2	69
195	Effects of elevated atmospheric [CO <sub>2</sub> ] on instantaneous transpiration efficiency at leaf and canopy scales in <i>Eucalyptus saligna</i> . <i>Global Change Biology</i> , <b>2012</b> , 18, 585-595	11.4	68
194	The challenge of tree height in <i>Eucalyptus regnans</i> : when xylem tapering overcomes hydraulic resistance. <i>New Phytologist</i> , <b>2010</b> , 187, 1146-1153	9.8	67
193	A rapid and simple method for processing wood to crude cellulose for analysis of stable carbon isotopes in tree rings. <i>Tree Physiology</i> , <b>1999</b> , 19, 831-835	4.2	67
192	<sup>31</sup> P-NMR analysis of phosphorus compounds in extracts of surface soils from selected karri ( <i>Eucalyptus diversicolor</i> F. Muell.) forests. <i>Soil Biology and Biochemistry</i> , <b>1989</b> , 21, 523-528	7.5	66
191	Photographic exposure affects indirect estimation of leaf area in plantations of <i>Eucalyptus globulus</i> Labill. <i>Agricultural and Forest Meteorology</i> , <b>2000</b> , 100, 155-168	5.8	65
190	Estimates of Carbon Storage in the Aboveground Biomass of Victorias Forests. <i>Australian Journal of Botany</i> , <b>1992</b> , 40, 631	1.2	65
189	Steps towards a mechanistic understanding of respiratory temperature responses. <i>New Phytologist</i> , <b>2011</b> , 189, 659-677	9.8	63
188	Estimation of leaf area index in eucalypt forest with vertical foliage, using cover and fullframe fisheye photography. <i>Forest Ecology and Management</i> , <b>2007</b> , 242, 756-763	3.9	63
187	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> , <b>2010</b> , 61, 1785-93	7	62
186	Assessment of ecological effects due to forest harvesting: approaches and statistical issues. <i>Journal of Applied Ecology</i> , <b>2004</b> , 41, 585-598	5.8	61
185	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> , <b>2010</b> , 259, 1190-1199	3.9	58
184	Potential for rural electrification based on biomass gasification in Cambodia. <i>Biomass and Bioenergy</i> , <b>2007</b> , 31, 656-664	5.3	58
183	Nitrogen mineralization and nitrate reduction in forests. <i>Soil Biology and Biochemistry</i> , <b>1982</b> , 14, 197-202	7.5	57
182	Role of <i>Acacia</i> Spp. In Nutrient Balance and Cycling in Regenerating <i>Eucalyptus regnans</i> F. Muell. Forests. I. Temporal Changes in Biomass and Nutrient Content. <i>Australian Journal of Botany</i> , <b>1984</b> , 32, 205	1.2	55

181	Targeted metabolite profiling provides a functional link among eucalypt taxonomy, physiology and evolution. <i>Phytochemistry</i> , <b>2006</b> , 67, 402-8	4	54
180	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> , <b>2007</b> , 39, 1557-1569	7.5	53
179	Growth and nutrient content of perennial grasslands following burning in semi-arid, sub-tropical Australia. <i>Plant Ecology</i> , <b>2003</b> , 164, 185-199	1.7	53
178	The apparent feed-forward response to vapour pressure deficit of stomata in droughted, field-grown Eucalyptus globulus Labill. <i>Plant, Cell and Environment</i> , <b>2004</b> , 27, 1268-1280	8.4	52
177	Simple models for stomatal conductance derived from a process model: cross-validation against sap flux data. <i>Plant, Cell and Environment</i> , <b>2012</b> , 35, 1647-62	8.4	50
176	Rewetting and litter addition influence mineralisation and microbial communities in soils from a semi-arid intermittent stream. <i>Soil Biology and Biochemistry</i> , <b>2009</b> , 41, 92-101	7.5	50
175	Productivity, carbon isotope discrimination and leaf traits of trees of Eucalyptus globulus Labill. in relation to water availability. <i>Plant, Cell and Environment</i> , <b>2004</b> , 27, 1515-1524	8.4	49
174	Urban-Wildland fires: how California and other regions of the US can learn from Australia. <i>Environmental Research Letters</i> , <b>2009</b> , 4, 014010	6.2	48
173	Premature Decline of Eucalyptus and Altered Ecosystem Processes in the Absence of Fire in Some Australian Forests. <i>Botanical Review, The</i> , <b>2009</b> , 75, 191-202	3.8	48
172	Attack on all fronts: functional relationships between aerial and root parasitic plants and their woody hosts and consequences for ecosystems. <i>Tree Physiology</i> , <b>2011</b> , 31, 3-15	4.2	48
171	Quantifying uncertainty from large-scale model predictions of forest carbon dynamics. <i>Global Change Biology</i> , <b>2006</b> , 12, 1421-1434	11.4	47
170	Nitrogen and phosphorus cycling in relation to stand age of Eucalyptus regnans F. Muell.. <i>Plant and Soil</i> , <b>1992</b> , 142, 167-176	4.2	47
169	Short-term effects of biochar and salinity on soil greenhouse gas emissions from a semi-arid Australian soil after re-wetting. <i>Geoderma</i> , <b>2017</b> , 307, 267-276	6.7	46
168	Comparison of four methods for measuring osmotic potential of tree leaves. <i>Physiologia Plantarum</i> , <b>2006</b> , 127, 383-392	4.6	46
167	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> , <b>2006</b> , 279, 129-139	4.2	46
166	Phosphatase activity and phosphorus fractions in Karri (Eucalyptus diversicolor F. Muell.) forest soils. <i>Biology and Fertility of Soils</i> , <b>1992</b> , 14, 200-204	6.1	45
165	Nitrate reductase activity and growth response of forest species to ammonium and nitrate sources of nitrogen. <i>Plant and Soil</i> , <b>1982</b> , 66, 373-381	4.2	45
164	Differential effects of N, P and K on photosynthesis and partitioning of N in Pinus pinaster needles. <i>Annals of Forest Science</i> , <b>2005</b> , 62, 1-8	3.1	44

163	Trade-offs between the persistence of foliage and productivity in two <i>Pinus</i> species. <i>Oecologia</i> , <b>2000</b> , 124, 487-494	2.9	44
162	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> , <b>2000</b> , 51, 1147-57	7	44
161	Woody legumes: a (re)view from the South. <i>Tree Physiology</i> , <b>2010</b> , 30, 1072-82	4.2	43
160	An analytical model of non-photorespiratory CO <sub>2</sub> release in the light and dark in leaves of C <sub>3</sub> species based on stoichiometric flux balance. <i>Plant, Cell and Environment</i> , <b>2011</b> , 34, 89-112	8.4	42
159	Eucalypt smoke and wildfires: Temperature dependent emissions of biogenic volatile organic compounds. <i>International Journal of Mass Spectrometry</i> , <b>2009</b> , 279, 126-133	1.9	42
158	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> , <b>2005</b> , 165, 143-55	9.8	42
157	Relationships between empirical and nominal indices of landscape function in the arid shrubland of Western Australia. <i>Journal of Arid Environments</i> , <b>2002</b> , 50, 1-21	2.5	42
156	Nitrogen fixation and metabolism by groundwater-dependent perennial plants in a hyperarid desert. <i>Oecologia</i> , <b>2004</b> , 141, 385-94	2.9	41
155	Salt tolerance in <i>Eucalyptus</i> spp.: identity and response of putative osmolytes. <i>Plant, Cell and Environment</i> , <b>2005</b> , 28, 772-787	8.4	40
154	Water availability and branch length determine $\delta(13)\text{C}$ in foliage of <i>Pinus pinaster</i> . <i>Tree Physiology</i> , <b>2000</b> , 20, 637-643	4.2	40
153	The role of continental shelf width in determining freshwater phylogeographic patterns in south-eastern Australian pygmy perches (Teleostei: Percichthyidae). <i>Molecular Ecology</i> , <b>2013</b> , 22, 1683-99	5.7	39
152	Simultaneous analysis of amino and organic acids in extracts of plant leaves as tert-butyldimethylsilyl derivatives by capillary gas chromatography. <i>Analytical Biochemistry</i> , <b>1998</b> , 259, 203-11	3.1	39
151	Nitrogen and phosphorus cycling in relation to stand age of <i>Eucalyptus regnans</i> F. Muell. <i>Plant and Soil</i> , <b>1992</b> , 142, 177-185	4.2	39
150	Diurnal patterns of water use in <i>Eucalyptus victrix</i> indicate pronounced desiccation-rehydration cycles despite unlimited water supply. <i>Tree Physiology</i> , <b>2011</b> , 31, 1041-51	4.2	38
149	Close-Range Vertical Photography for Measuring Cover Changes in Perennial Grasslands. <i>Journal of Range Management</i> , <b>2000</b> , 53, 634		38
148	Characterisation of hydrogen isotope profiles in an agroforestry system: implications for tracing water sources of trees. <i>Agricultural Water Management</i> , <b>2000</b> , 45, 229-241	5.9	37
147	Decline of <i>Eucalyptus tereticornis</i> Near Bairnsdale, Victoria: Insect Herbivory and Nitrogen Fractions in Sap and Foliage. <i>Australian Journal of Botany</i> , <b>1995</b> , 43, 39	1.2	37
146	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> , <b>2006</b> , 20, 929-940	5.6	36

145	Patterns of genetic variation in a group of parasites, The Australian reptile ticks. <i>Heredity</i> , <b>1984</b> , 53, 509-525	3.5	36
144	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> , <b>2012</b> , 270, 1-10	3.9	34
143	Phosphorus sources and availability modify growth and distribution of root clusters and nodules of native Australian legumes. <i>Plant, Cell and Environment</i> , <b>2002</b> , 25, 837-850	8.4	34
142	Response of a perennial grassland to nitrogen and phosphorus additions in sub-tropical, semi-arid Australia. <i>Journal of Arid Environments</i> , <b>2001</b> , 48, 289-308	2.5	34
141	Water flux of <i>Eucalyptus regnans</i> : defying summer drought and a record heatwave in 2009. <i>Oecologia</i> , <b>2013</b> , 172, 317-26	2.9	33
140	Interactive effects of elevated CO <sub>2</sub> and drought on nocturnal water fluxes in <i>Eucalyptus saligna</i> . <i>Tree Physiology</i> , <b>2011</b> , 31, 932-44	4.2	33
139	Is photosynthesis related to concentrations of nitrogen and Rubisco in leaves of Australian native plants?. <i>Functional Plant Biology</i> , <b>2000</b> , 27, 407	2.7	33
138	Changes in gas exchange versus leaf solutes as a means to cope with summer drought in <i>Eucalyptus marginata</i> . <i>Oecologia</i> , <b>2007</b> , 154, 1-10	2.9	32
137	The tree - crop interface: the effects of root pruning in south-western Australia. <i>Australian Journal of Experimental Agriculture</i> , <b>2002</b> , 42, 763		32
136	Role of <i>Acacia</i> Spp. In Nutrient Balance and Cycling in Regenerating <i>Eucalyptus regnans</i> F. Muell. Forests. II. Field Studies of Acetylene Reduction. <i>Australian Journal of Botany</i> , <b>1984</b> , 32, 217	1.2	32
135	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> , <b>2002</b> , 269, 1499-507	4.4	31
134	Nitrogen and Phosphorus Availability and the Role of Fire in Heathlands at Wilsons Promontory. <i>Australian Journal of Botany</i> , <b>1994</b> , 42, 269	1.2	31
133	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> , <b>2011</b> , 1, 435-50	2.8	30
132	Direct determination of phosphate in soil extracts by potentiometric flow injection using a cobalt wire electrode. <i>Analytica Chimica Acta</i> , <b>1998</b> , 363, 191-197	6.6	30
131	Soil functional responses to excess nitrogen inputs at global scale. <i>Ambio</i> , <b>2004</b> , 33, 530-6	6.5	30
130	Nitrogen uptake by <i>Eucalyptus regnans</i> and <i>Acacia</i> spp. - preferences, resource overlap and energetic costs. <i>Tree Physiology</i> , <b>2009</b> , 29, 389-99	4.2	29
129	Three parameters comprehensively describe the temperature response of respiratory oxygen reduction. <i>Plant, Cell and Environment</i> , <b>2008</b> , 31, 954-67	8.4	29
128	Sequential fractionation and characterisation (31P-NMR) of phosphorus-amended soils in <i>Banksia integrifolia</i> (L.f.) woodland and adjacent pasture. <i>Soil Biology and Biochemistry</i> , <b>2000</b> , 32, 169-177	7.5	29



127	Nutrient balance in forests of northern Tasmania. 1. Atmospheric inputs and within-stand cycles. <i>Forest Ecology and Management</i> , <b>1991</b> , 44, 93-113	3.9	29
126	Nutrient balance in forests of northern Tasmania. 2. Alteration of nutrient availability and soil-water chemistry as a result of logging, slash-burning and fertilizer application. <i>Forest Ecology and Management</i> , <b>1991</b> , 44, 115-131	3.9	29
125	Fire Eases Imbalances of Nitrogen and Phosphorus in Woody Plants. <i>Ecosystems</i> , <b>2015</b> , 18, 769-779	3.9	28
124	Quantifying and predicting spatio-temporal variability of soil CH <sub>4</sub> and N <sub>2</sub> O fluxes from a seemingly homogeneous Australian agricultural field. <i>Agriculture, Ecosystems and Environment</i> , <b>2017</b> , 240, 182-193	5.7	27
123	Indices for characterising spatial variability of soil nitrogen semi-arid grasslands of Northwestern Australia. <i>Soil Biology and Biochemistry</i> , <b>1999</b> , 31, 735-746	7.5	27
122	Insulation capacity of three bark types of temperate Eucalyptus species. <i>Forest Ecology and Management</i> , <b>2014</b> , 313, 224-232	3.9	26
121	Loss of patch-scale heterogeneity on primary productivity and rainfall-use efficiency in Western Australia. <i>Basic and Applied Ecology</i> , <b>2003</b> , 4, 569-578	3.2	26
120	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> , <b>2002</b> , 42, 739		26
119	Tree decline in southeastern Australia: Nitrate reductase activity and indications of unbalanced nutrition in Eucalyptus ovata (Labill.) and E. camphora (R.T. Baker) communities at Yellingbo, Victoria. <i>Oecologia</i> , <b>1994</b> , 98, 221-228	2.9	26
118	The Effect of Land-Use Change on Soil CH <sub>4</sub> and N <sub>2</sub> O Fluxes: A Global Meta-Analysis. <i>Ecosystems</i> , <b>2019</b> , 22, 1424-1443	3.9	25
117	Diminishing CO <sub>2</sub> -driven gains in water-use efficiency of global forests. <i>Nature Climate Change</i> , <b>2020</b> , 10, 466-471	21.4	25
116	Using amino-nitrogen pools and fluxes to identify contributions of understory Acacia spp. to overstory Eucalyptus regnans and stand nitrogen uptake in temperate Australia. <i>New Phytologist</i> , <b>2009</b> , 183, 1097-1113	9.8	25
115	Nitrogen mineralization potential in rewetted soils from a semi-arid stream landscape, north-west Australia. <i>Journal of Arid Environments</i> , <b>2009</b> , 73, 48-54	2.5	25
114	$\delta^{13}\text{C}$ of wood in growth-rings indicates cambial activity of drought-stressed trees of Eucalyptus globulus. <i>Functional Ecology</i> , <b>1998</b> , 12, 655-664	5.6	25
113	What determines rates of photosynthesis per unit nitrogen in Eucalyptus seedlings?. <i>Functional Plant Biology</i> , <b>2004</b> , 31, 1169-1178	2.7	25
112	Photosynthetic benefits of ultraviolet-A to Pimelea ligustrina, a woody shrub of sub-alpine Australia. <i>Oecologia</i> , <b>2013</b> , 173, 375-85	2.9	24
111	Respiratory quotients and Q <sub>10</sub> of soil respiration in sub-alpine Australia reflect influences of vegetation types. <i>Soil Biology and Biochemistry</i> , <b>2011</b> , 43, 1266-1274	7.5	24
110	Vegetation type determines heterotrophic respiration in subalpine Australian ecosystems. <i>Global Change Biology</i> , <b>2010</b> , 16, 209-219	11.4	24



109	Possible causes of slow growth of nitrate-supplied <i>Pinus pinaster</i> . <i>Canadian Journal of Forest Research</i> , <b>2002</b> , 32, 569-580	1.9	24
108	Simultaneous determination of aliphatic and aromatic acids in plant tissue extracts by ion-exclusion chromatography. <i>Analytica Chimica Acta</i> , <b>1999</b> , 386, 249-256	6.6	24
107	31P-NMR identification of phosphorus compounds in neutral extracts of mountain ash ( <i>Eucalyptus regnans</i> F. Muell.) soils. <i>Soil Biology and Biochemistry</i> , <b>1990</b> , 22, 419-421	7.5	23
106	Patterns of nitrogen mineralization in 23-year old pine forest following nitrogen fertilizing. <i>Forest Ecology and Management</i> , <b>1984</b> , 7, 241-248	3.9	23
105	Stand water use status in relation to fire in a mixed species eucalypt forest. <i>Forest Ecology and Management</i> , <b>2013</b> , 304, 162-170	3.9	22
104	Quercitol links the physiology, taxonomy and evolution of 279 eucalypt species. <i>Global Ecology and Biogeography</i> , <b>2007</b> , 16, 810-819	6.1	22
103	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> , <b>2007</b> , 176, 849-861	9.8	22
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101	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> , <b>2002</b> , 50, 23-52	2.5	21
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95	Stable osmotica in <i>Eucalyptus spathulata</i> - responses to salt and water deficit stress. <i>Functional Plant Biology</i> , <b>2005</b> , 32, 797-805	2.7	19
94	Causes and consequences of Eastern Australia's 2019-20 season of mega-fires: A broader perspective. <i>Global Change Biology</i> , <b>2020</b> , 26, 3756-3758	11.4	18
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92	Ecophysiology of ectomycorrhizal fungi associated with <i>Pinus</i> spp. in low rainfall areas of Western Australia. <i>Plant Ecology</i> , <b>2004</b> , 171, 35-52	1.7	18

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- 1 Topography not tenure controls extent of wildfire within Mountain Ash forests. *Environmental Research Letters*, **2021**, 16, 044021 6.2