

Derek Eamus

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.

241
papers

12,728
citations

57
h-index

104
g-index

252
ext. papers

14,419
ext. citations

4.9
avg, IF

6.18
L-index

#	Paper	IF	Citations
241	Spatiotemporal partitioning of savanna plant functional type productivity along NATT. <i>Remote Sensing of Environment</i> , 2020 , 246, 111855	13.2	7
240	Carbon, water and energy fluxes in agricultural systems of Australia and New Zealand. <i>Agricultural and Forest Meteorology</i> , 2020 , 287, 107934	5.8	6
239	Carbon and water fluxes in two adjacent Australian semi-arid ecosystems. <i>Agricultural and Forest Meteorology</i> , 2020 , 281, 107853	5.8	8
238	Improving Estimation of Seasonal Evapotranspiration in Australian Tropical Savannas using a Flexible Drought Index. <i>Agricultural and Forest Meteorology</i> , 2020 , 295, 108203	5.8	2
237	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020 , 7, 225	8.2	256
236	Water-use efficiency in a semi-arid woodland with high rainfall variability. <i>Global Change Biology</i> , 2020 , 26, 496-508	11.4	20
235	Spatial pattern and seasonal dynamics of the photosynthesis activity across Australian rainfed croplands. <i>Ecological Indicators</i> , 2020 , 108, 105669	5.8	3
234	Storage of organic carbon in the soils of Mexican temperate forests. <i>Forest Ecology and Management</i> , 2019 , 446, 115-125	3.9	9
233	Embolism recovery strategies and nocturnal water loss across species influenced by biogeographic origin. <i>Ecology and Evolution</i> , 2019 , 9, 5348-5361	2.8	10
232	Impacts of future climate change on water resource availability of eastern Australia: A case study of the Manning River basin. <i>Journal of Hydrology</i> , 2019 , 573, 49-59	6	29
231	TERN, Australia's land observatory: addressing the global challenge of forecasting ecosystem responses to climate variability and change. <i>Environmental Research Letters</i> , 2019 , 14, 095004	6.2	17
230	The validity of optimal leaf traits modelled on environmental conditions. <i>New Phytologist</i> , 2019 , 221, 1409-1423	9.8	24
229	Use of satellite leaf area index estimating evapotranspiration and gross assimilation for Australian ecosystems. <i>Ecohydrology</i> , 2018 , 11, e1974	2.5	41
228	Evaluating Global Land Surface Models in CMIP5: Analysis of Ecosystem Water- and Light-Use Efficiencies and Rainfall Partitioning. <i>Journal of Climate</i> , 2018 , 31, 2995-3008	4.4	12
227	Effectiveness of time of sowing and cultivar choice for managing climate change: wheat crop phenology and water use efficiency. <i>International Journal of Biometeorology</i> , 2018 , 62, 1049-1061	3.7	14
226	Contrasting ecophysiology of two widespread arid zone tree species with differing access to water resources. <i>Journal of Arid Environments</i> , 2018 , 153, 1-10	2.5	12
225	Root xylem characteristics and hydraulic strategies of species co-occurring in semi-arid Australia. <i>IAWA Journal</i> , 2018 , 39, 43-62	2.3	3

224	A continental-scale assessment of variability in leaf traits: Within species, across sites and between seasons. <i>Functional Ecology</i> , 2018 , 32, 1492-1506	5.6	35
223	Variation in bulk-leaf C discrimination, leaf traits and water-use efficiency-trait relationships along a continental-scale climate gradient in Australia. <i>Global Change Biology</i> , 2018 , 24, 1186-1200	11.4	18
222	Bridging Thermal Infrared Sensing and Physically-Based Evapotranspiration Modeling: From Theoretical Implementation to Validation Across an Aridity Gradient in Australian Ecosystems. <i>Water Resources Research</i> , 2018 , 54, 3409-3435	5.4	17
221	Disentangling Climate and LAI Effects on Seasonal Variability in Water Use Efficiency Across Terrestrial Ecosystems in China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 2429-2443	3.7	11
220	Diverse sensitivity of winter crops over the growing season to climate and land surface temperature across the rainfed cropland-belt of eastern Australia. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 254, 99-110	5.7	12
219	Speculations on the application of foliar $\delta^{13}C$ discrimination to reveal groundwater dependency of vegetation and provide estimates of root depth and rates of groundwater use. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 4875-4889	5.5	2
218	Preface: OzFlux: a network for the study of ecosystem carbon and water dynamics across Australia and New Zealand. <i>Biogeosciences</i> , 2018 , 15, 349-352	4.6	5
217	Leaf nitrogen determination using non-destructive techniques: A review. <i>Journal of Plant Nutrition</i> , 2017 , 40, 928-953	2.3	40
216	Differences in osmotic adjustment, foliar abscisic acid dynamics, and stomatal regulation between an isohydric and anisohydric woody angiosperm during drought. <i>Plant, Cell and Environment</i> , 2017 , 40, 3122-3134	8.4	39
215	Divergence in plant water-use strategies in semiarid woody species. <i>Functional Plant Biology</i> , 2017 , 44, 1134-1146	2.7	13
214	Evapotranspiration seasonality across the Amazon basin 2017 ,		1
213	Evapotranspiration seasonality across the Amazon Basin. <i>Earth System Dynamics</i> , 2017 , 8, 439-454	4.8	46
212	Responses of LAI to rainfall explain contrasting sensitivities to carbon uptake between forest and non-forest ecosystems in Australia. <i>Scientific Reports</i> , 2017 , 7, 11720	4.9	9
211	Stomatal and non-stomatal limitations of photosynthesis for four tree species under drought: A comparison of model formulations. <i>Agricultural and Forest Meteorology</i> , 2017 , 247, 454-466	5.8	56
210	Transpiration of Eucalyptus woodlands across a natural gradient of depth-to-groundwater. <i>Tree Physiology</i> , 2017 , 37, 961-975	4.2	6
209	Patterns of plant species composition in mesic woodlands are related to a naturally occurring depth-to-groundwater gradient. <i>Community Ecology</i> , 2017 , 18, 21-30	1.2	1
208	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 6517-6532	8.1	45
207	Estimation of latent heat flux over savannah vegetation across the North Australian Tropical Transect from multiple sensors and global meteorological data. <i>Agricultural and Forest Meteorology</i> , 2017 , 232, 689-703	5.8	15

206	Assessing the ability of MODIS EVI to estimate terrestrial ecosystem gross primary production of multiple land cover types. <i>Ecological Indicators</i> , 2017 , 72, 153-164	5.8	42
205	Variation in photosynthetic traits related to access to water in semiarid Australian woody species. <i>Functional Plant Biology</i> , 2017 , 44, 1087-1097	2.7	7
204	Modelling Seasonal and Inter-annual Variations in Carbon and Water Fluxes in an Arid-Zone Acacia Savanna Woodland, 1981-2012. <i>Ecosystems</i> , 2016 , 19, 625-644	3.9	16
203	Soil moisture controls on phenology and productivity in a semi-arid critical zone. <i>Science of the Total Environment</i> , 2016 , 568, 1227-1237	10.2	56
202	Xylem traits and water-use efficiency of woody species co-occurring in the Ti Tree Basin arid zone. <i>Trees - Structure and Function</i> , 2016 , 30, 295-303	2.6	19
201	Seasonal variations in tree water use and physiology correlate with soil salinity and soil water content in remnant woodlands on saline soils. <i>Journal of Arid Environments</i> , 2016 , 129, 102-110	2.5	6
200	Vegetation Dynamics: A Synthesis of Plant Ecophysiology, Remote Sensing and Modelling 2016 ,		9
199	MODIS vegetation products as proxies of photosynthetic potential along a gradient of meteorologically and biologically driven ecosystem productivity. <i>Biogeosciences</i> , 2016 , 13, 5587-5608	4.6	24
198	An introduction to the Australian and New Zealand flux tower network OzFlux. <i>Biogeosciences</i> , 2016 , 13, 5895-5916	4.6	119
197	The importance of interacting climate modes on Australia's contribution to global carbon cycle extremes. <i>Scientific Reports</i> , 2016 , 6, 23113	4.9	50
196	Mulga, a major tropical dry open forest of Australia: recent insights to carbon and water fluxes. <i>Environmental Research Letters</i> , 2016 , 11, 125011	6.2	17
195	Drought rapidly diminishes the large net CO uptake in 2011 over semi-arid Australia. <i>Scientific Reports</i> , 2016 , 6, 37747	4.9	58
194	Evapotranspiration partitioning, stomatal conductance, and components of the water balance: A special case of a desert ecosystem in China. <i>Journal of Hydrology</i> , 2016 , 538, 374-386	6	37
193	Productivity and evapotranspiration of two contrasting semiarid ecosystems following the 2011 global carbon land sink anomaly. <i>Agricultural and Forest Meteorology</i> , 2016 , 220, 151-159	5.8	49
192	The Australian SuperSite Network: A continental, long-term terrestrial ecosystem observatory. <i>Science of the Total Environment</i> , 2016 , 568, 1263-1274	10.2	47
191	Groundwater Dependent Ecosystems: Classification, Identification Techniques and Threats 2016 , 313-346		21
190	The hydraulic architecture of Eucalyptus trees growing across a gradient of depth-to-groundwater. <i>Functional Plant Biology</i> , 2015 , 42, 888-898	2.7	6
189	Field comparison of methods for estimating groundwater discharge by evaporation and evapotranspiration in an arid-zone playa. <i>Journal of Hydrology</i> , 2015 , 527, 1073-1083	6	26

188	Optimal stomatal behaviour around the world. <i>Nature Climate Change</i> , 2015 , 5, 459-464	21.4	264
187	Fire in Australian savannas: from leaf to landscape. <i>Global Change Biology</i> , 2015 , 21, 62-81	11.4	74
186	Morphological and moisture availability controls of the leaf area-to-sapwood area ratio: analysis of measurements on Australian trees. <i>Ecology and Evolution</i> , 2015 , 5, 1263-70	2.8	19
185	Partitioning of turbulent flux reveals contrasting cooling potential for woody vegetation and grassland during heat waves. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015 , 141, 2528-2537	6.4	7
184	Abrupt shifts in phenology and vegetation productivity under climate extremes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015 , 120, 2036-2052	3.7	106
183	Groundwater-dependent ecosystems: recent insights from satellite and field-based studies. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 4229-4256	5.5	82
182	Flooding Regime Impacts on Radiation, Evapotranspiration, and Latent Energy Fluxes over Groundwater-Dependent Riparian Cottonwood and Saltcedar Forests. <i>Advances in Meteorology</i> , 2015 , 2015, 1-14	1.7	9
181	Co-ordination among leaf water relations and xylem vulnerability to embolism of Eucalyptus trees growing along a depth-to-groundwater gradient. <i>Tree Physiology</i> , 2015 , 35, 732-43	4.2	14
180	Functional Traits and Water Transport Strategies in Lowland Tropical Rainforest Trees. <i>PLoS ONE</i> , 2015 , 10, e0130799	3.7	25
179	Root water compensation sustains transpiration rates in an Australian woodland. <i>Advances in Water Resources</i> , 2014 , 74, 91-101	4.7	23
178	Modelling vegetation water-use and groundwater recharge as affected by climate variability in an arid-zone Acacia savanna woodland. <i>Journal of Hydrology</i> , 2014 , 519, 1084-1096	6	25
177	Parameterization of an ecosystem light-use-efficiency model for predicting savanna GPP using MODIS EVI. <i>Remote Sensing of Environment</i> , 2014 , 154, 253-271	13.2	45
176	Impacts of elevated CO ₂ , climate change and their interactions on water budgets in four different catchments in Australia. <i>Journal of Hydrology</i> , 2014 , 519, 1350-1361	6	27
175	The peaked response of transpiration rate to vapour pressure deficit in field conditions can be explained by the temperature optimum of photosynthesis. <i>Agricultural and Forest Meteorology</i> , 2014 , 189-190, 2-10	5.8	83
174	Variability in groundwater depth and composition and their impacts on vegetation succession in the lower Heihe River Basin, north-western China. <i>Marine and Freshwater Research</i> , 2014 , 65, 206	2.2	6
173	The influence of depth-to-groundwater on structure and productivity of Eucalyptus woodlands. <i>Australian Journal of Botany</i> , 2014 , 62, 428	1.2	29
172	Quantifying the effects of elevated CO ₂ on water budgets by combining FACE data with an ecohydrological model. <i>Ecohydrology</i> , 2014 , 7, 1574-1588	2.5	9
171	Year patterns of climate impact on wheat yields. <i>International Journal of Climatology</i> , 2014 , 34, 518-528	3.5	60

170	Intrinsic climate dependency of ecosystem light and water-use-efficiencies across Australian biomes. <i>Environmental Research Letters</i> , 2014 , 9, 104002	6.2	24
169	Groundwater-dependent distribution of vegetation in Hailutu River catchment, a semi-arid region in China. <i>Ecohydrology</i> , 2013 , 6, 142-149	2.5	47
168	Distribution patterns of groundwater-dependent vegetation species diversity and their relationship to groundwater attributes in northwestern China. <i>Ecohydrology</i> , 2013 , 6, 191-200	2.5	9
167	Developing an empirical model of canopy water flux describing the common response of transpiration to solar radiation and VPD across five contrasting woodlands and forests. <i>Hydrological Processes</i> , 2013 , 27, 1133-1146	3.3	41
166	Carbon and water fluxes in an arid-zone Acacia savanna woodland: An analyses of seasonal patterns and responses to rainfall events. <i>Agricultural and Forest Meteorology</i> , 2013 , 182-183, 225-238	5.8	101
165	Spatial patterns and temporal dynamics in savanna vegetation phenology across the North Australian Tropical Transect. <i>Remote Sensing of Environment</i> , 2013 , 139, 97-115	13.2	141
164	Differential growth and yield by canola (<i>Brassica napus</i> L.) and wheat (<i>Triticum aestivum</i> L.) arising from alterations in chemical properties of sandy soils due to additions of fly ash. <i>Journal of the Science of Food and Agriculture</i> , 2013 , 93, 995-1002	4.3	1
163	Ecosystem resilience despite large-scale altered hydroclimatic conditions. <i>Nature</i> , 2013 , 494, 349-52	50.4	331
162	Zooplankton in highly regulated rivers: Changing with water environment. <i>Ecological Engineering</i> , 2013 , 58, 323-334	3.9	17
161	Belowground eco-restoration of a suburban waste-storage landscape: Earthworm dynamics in grassland and in a succession of woody vegetation covers. <i>Landscape and Urban Planning</i> , 2013 , 120, 16-24	7.7	4
160	Aerodynamic Resistance and Penman-Monteith Evapotranspiration over a Seasonally Two-Layered Canopy in Semiarid Central Australia. <i>Journal of Hydrometeorology</i> , 2013 , 14, 1562-1570	3.7	18
159	Design of store-release covers to minimize deep drainage in the mining and waste-disposal industries: results from a modelling analyses based on ecophysiological principles. <i>Hydrological Processes</i> , 2013 , 27, 3815-3824	3.3	4
158	Global change-type drought-induced tree mortality: vapor pressure deficit is more important than temperature per se in causing decline in tree health. <i>Ecology and Evolution</i> , 2013 , 3, 2711-29	2.8	120
157	The critical amplifying role of increasing atmospheric moisture demand on tree mortality and associated regional die-off. <i>Frontiers in Plant Science</i> , 2013 , 4, 266	6.2	116
156	Dynamics of component carbon fluxes in a semi-arid Acacia woodland, central Australia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 1168-1185	3.7	82
155	Scenario development for estimating potential climate change impacts on crop production in the North China Plain. <i>International Journal of Climatology</i> , 2013 , 33, 3124-3140	3.5	8
154	Recognition of key regions for restoration of phytoplankton communities in the Huai River basin, China. <i>Journal of Hydrology</i> , 2012 , 420-421, 292-300	6	42
153	Fine Root Biomass and Its Relationship to Evapotranspiration in Woody and Grassy Vegetation Covers for Ecological Restoration of Waste Storage and Mining Landscapes. <i>Ecosystems</i> , 2012 , 15, 113-127	3.9	10

152	Reconciling the optimal and empirical approaches to modelling stomatal conductance. <i>Global Change Biology</i> , 2012 , 18, 3476-3476	11.4	20
151	Improving the responses of the Australian community land surface model (CABLE) to seasonal drought. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		67
150	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
149	Application of Coal Fly Ash in Agriculture: A Strategic Perspective. <i>Critical Reviews in Environmental Science and Technology</i> , 2012 , 42, 559-600	11.1	44
148	Probability Models of Fire Risk Based on Forest Fire Indices in Contrasting Climates over China. <i>Journal of Resources and Ecology</i> , 2012 , 3, 105-117	0.5	5
147	Climate constraints on growth and recruitment patterns of <i>Abies faxoniana</i> over altitudinal gradients in the Wanglang Natural Reserve, eastern Tibetan Plateau. <i>Australian Journal of Botany</i> , 2012 , 60, 602	1.2	12
146	Reconciling the optimal and empirical approaches to modelling stomatal conductance. <i>Global Change Biology</i> , 2011 , 17, 2134-2144	11.4	595
145	Is productivity of mesic savannas light limited or water limited? Results of a simulation study. <i>Global Change Biology</i> , 2011 , 17, 3130-3149	11.4	54
144	Latent heat fluxes during two contrasting years from a juvenile plantation established over a waste disposal landscape. <i>Journal of Hydrology</i> , 2011 , 399, 48-56	6	6
143	Structural and hydrological alterations of soil due to addition of coal fly ash. <i>Journal of Soils and Sediments</i> , 2011 , 11, 423-431	3.4	17
142	Applying a SPA model to examine the impact of climate change on GPP of open woodlands and the potential for woody thickening. <i>Ecohydrology</i> , 2011 , 4, 379-393	2.5	25
141	Rooting depth explains [CO ₂] x drought interaction in <i>Eucalyptus saligna</i> . <i>Tree Physiology</i> , 2011 , 31, 922-931	4.1	44
140	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
139	Rates of nocturnal transpiration in two evergreen temperate woodland species with differing water-use strategies. <i>Tree Physiology</i> , 2010 , 30, 988-1000	4.2	81
138	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
137	Topographical and seasonal trends in transpiration by two co-occurring <i>Eucalyptus</i> species during two contrasting years in a low rainfall environment. <i>Agricultural and Forest Meteorology</i> , 2010 , 150, 1234-1244	5.8	14
136	Boron contents and solubility in Australian fly ashes and its uptake by canola (<i>Brassica napus</i> L.) from the ash-amended soils. <i>Soil Research</i> , 2010 , 48, 480	1.8	12
135	Root biomass distribution and soil properties of an open woodland on a duplex soil. <i>Plant and Soil</i> , 2010 , 327, 377-388	4.2	39

134	An assessment of the water budget for contrasting vegetation covers associated with waste management. <i>Hydrological Processes</i> , 2010 , 24, 1149-1158	3.3	19
133	Assessments of Class F fly ashes for amelioration of soil acidity and their influence on growth and uptake of Mo and Se by canola. <i>Fuel</i> , 2010 , 89, 3498-3504	7.1	33
132	Comparing the Penman-Monteith equation and a modified Jarvis-Stewart model with an artificial neural network to estimate stand-scale transpiration and canopy conductance. <i>Journal of Hydrology</i> , 2009 , 373, 256-266	6	67
131	Towards a spatial understanding of water use of several land-cover classes: an examination of relationships amongst pre-dawn leaf water potential, vegetation water use, aridity and MODIS LAI. <i>Ecohydrology</i> , 2009 , 3, n/a-n/a	2.5	5
130	Convergence of tree water use within an arid-zone woodland. <i>Oecologia</i> , 2009 , 160, 643-55	2.9	87
129	2009 ,		1
128	Photosynthetic pigment concentrations, gas exchange and vegetative growth for selected monocots and dicots treated with two contrasting coal fly ashes. <i>Journal of Environmental Quality</i> , 2009 , 38, 1466-72	3.4	6
127	Comparing model predictions and experimental data for the response of stomatal conductance and guard cell turgor to manipulations of cuticular conductance, leaf-to-air vapour pressure difference and temperature: feedback mechanisms are able to account for all observations. <i>Plant, Cell and Environment</i> , 2008 , 31, 269-77	8.4	55
126	Tree rings of <i>Pinus nigra</i> from the Vienna basin region (Austria) show evidence of change in climatic sensitivity in the late 20th century. <i>Canadian Journal of Forest Research</i> , 2008 , 38, 744-759	1.9	38
125	The use of pre-dawn leaf water potential and MODIS LAI to explore seasonal trends in the phenology of Australian and southern African woodlands and savannas. <i>Australian Journal of Botany</i> , 2008 , 56, 557	1.2	11
124	Long term trends of stand transpiration in a remnant forest during wet and dry years. <i>Journal of Hydrology</i> , 2008 , 349, 200-213	6	53
123	Coordinating leaf functional traits with branch hydraulic conductivity: resource substitution and implications for carbon gain. <i>Tree Physiology</i> , 2008 , 28, 1169-77	4.2	34
122	An automated procedure for estimating the leaf area index (LAI) of woodland ecosystems using digital imagery, MATLAB programming and its application to an examination of the relationship between remotely sensed and field measurements of LAI. <i>Functional Plant Biology</i> , 2008 , 35, 1070-1079	2.7	57
121	Coordination of leaf area, sapwood area and canopy conductance leads to species convergence of tree water use in a remnant evergreen woodland. <i>Australian Journal of Botany</i> , 2008 , 56, 97	1.2	35
120	An analysis of the sensitivity of sap flux to soil and plant variables assessed for an Australian woodland using a soil-plant-atmosphere model. <i>Functional Plant Biology</i> , 2008 , 35, 509-520	2.7	81
119	Growth and elemental accumulation by canola on soil amended with coal fly ash. <i>Journal of Environmental Quality</i> , 2008 , 37, 1263-70	3.4	12
118	A simple field validation of daily transpiration derived from sapflow using a porometer and minimal meteorological data. <i>Plant and Soil</i> , 2008 , 305, 15-24	4.2	10
117	The response of sap flow to pulses of rain in a temperate Australian woodland. <i>Plant and Soil</i> , 2008 , 305, 121-130	4.2	66

116	A modified Jarvis-Stewart model for predicting stand-scale transpiration of an Australian native forest. <i>Plant and Soil</i> , 2008 , 305, 35-47	4.2	42
115	Mechanisms linking plant productivity and water status for a temperate Eucalyptus forest flux site: analysis over wet and dry years with a simple model. <i>Functional Plant Biology</i> , 2008 , 35, 493-508	2.7	7
114	Is Climate Change a Possible Explanation for Woody Thickening in Arid and Semi-Arid Regions?. <i>Research Letters in Ecology</i> , 2007 , 2007, 1-5		28
113	Radiation- and water-use associated with growth and yields of wheat and chickpea in sole and mixed crops. <i>European Journal of Agronomy</i> , 2007 , 26, 275-282	5	42
112	A comparison of tree water use in two contiguous vegetation communities of the seasonally dry tropics of northern Australia: the importance of site water budget to tree hydraulics. <i>Australian Journal of Botany</i> , 2007 , 55, 700	1.2	24
111	Estimation of leaf area index in eucalypt forest using digital photography. <i>Agricultural and Forest Meteorology</i> , 2007 , 143, 176-188	5.8	185
110	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
109	Valuation of groundwater-dependent ecosystems: a functional methodology incorporating ecosystem services. <i>Australian Journal of Botany</i> , 2006 , 54, 221	1.2	47
108	A functional methodology for determining the groundwater regime needed to maintain the health of groundwater-dependent vegetation. <i>Australian Journal of Botany</i> , 2006 , 54, 97	1.2	143
107	Groundwater use by riparian vegetation in the wet - dry tropics of northern Australia. <i>Australian Journal of Botany</i> , 2006 , 54, 145	1.2	62
106	Groundwater-dependent ecosystems: the where, what and why of GDEs. <i>Australian Journal of Botany</i> , 2006 , 54, 91	1.2	120
105	Daily, seasonal and annual patterns of transpiration from a stand of remnant vegetation dominated by a coniferous <i>Callitris</i> species and a broad-leaved <i>Eucalyptus</i> species. <i>Physiologia Plantarum</i> , 2006 , 127, 413-422	4.6	36
104	Fly-ash: An exploitable resource for management of Australian agricultural soils. <i>Fuel</i> , 2006 , 85, 2337-2344		81
103	Ecohydrology 2006 ,		79
102	Intra-specific variation in leaf attributes of four savanna tree species across a rainfall gradient in tropical Australia. <i>Australian Journal of Botany</i> , 2005 , 53, 323	1.2	26
101	Groundwater use by vegetation in a tropical savanna riparian zone (Daly River, Australia). <i>Journal of Hydrology</i> , 2005 , 310, 280-293	6	80
100	Ecosystem services: an ecophysiological examination. <i>Australian Journal of Botany</i> , 2005 , 53, 1	1.2	38
99	Tree allometry and improved estimation of carbon stocks and balance in tropical forests. <i>Oecologia</i> , 2005 , 145, 87-99	2.9	1855

98	Soil organic carbon content at a range of north Australian tropical savannas with contrasting site histories. <i>Plant and Soil</i> , 2005 , 268, 161-171	4.2	28
97	Mechanisms underlying the amelioration of O ₃ -induced damage by elevated atmospheric concentrations of CO ₂ . <i>Journal of Experimental Botany</i> , 2004 , 55, 771-81	7	37
96	Convergence in hydraulic architecture, water relations and primary productivity amongst habitats and across seasons in Sydney. <i>Functional Plant Biology</i> , 2004 , 31, 429-439	2.7	39
95	Seasonal responses of xylem sap velocity to VPD and solar radiation during drought in a stand of native trees in temperate Australia. <i>Functional Plant Biology</i> , 2004 , 31, 461-470	2.7	92
94	Hydraulic architecture and water relations of several species at diverse sites around Sydney. <i>Australian Journal of Botany</i> , 2004 , 52, 509	1.2	14
93	Seasonal impacts on leaf attributes of several tree species growing in three diverse ecosystems of south-eastern Australia. <i>Australian Journal of Botany</i> , 2004 , 52, 293	1.2	8
92	Water quality guidelines to protect groundwater-dependent ecosystems. <i>Ecological Management and Restoration</i> , 2004 , 5, 78-80	1.4	3
91	Seasonal differences in leaf attributes in Australian tropical tree species: family and habitat comparisons. <i>Functional Ecology</i> , 2004 , 18, 707-718	5.6	52
90	Tree growth rates in north Australian savanna habitats: seasonal patterns and correlations with leaf attributes. <i>Australian Journal of Botany</i> , 2004 , 52, 303	1.2	82
89	Seasonal patterns of fine-root productivity and turnover in a tropical savanna of northern Australia. <i>Journal of Tropical Ecology</i> , 2004 , 20, 221-224	1.3	46
88	How does ecosystem water balance affect net primary productivity of woody ecosystems?. <i>Functional Plant Biology</i> , 2003 , 30, 187-205	2.7	58
87	Carbon balance of a tropical savanna of northern Australia. <i>Oecologia</i> , 2003 , 137, 405-16	2.9	141
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