

# Derek Eamus

## List of Publications by Year in descending order

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Version: 2024-02-01

237  
papers

16,343  
citations

17440

63  
h-index

19749

117  
g-index

252  
all docs

252  
docs citations

252  
times ranked

14375  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridge to the future: Important lessons from 20 years of ecosystem observations made by the OzFlux network. <i>Global Change Biology</i> , 2022, 28, 3489-3514.	9.5	14
2	Water-use efficiency in a semi-arid woodland with high rainfall variability. <i>Global Change Biology</i> , 2020, 26, 496-508.	9.5	40
3	Spatial pattern and seasonal dynamics of the photosynthesis activity across Australian rainfed croplands. <i>Ecological Indicators</i> , 2020, 108, 105669.	6.3	5
4	Carbon and water fluxes in two adjacent Australian semi-arid ecosystems. <i>Agricultural and Forest Meteorology</i> , 2020, 281, 107853.	4.8	17
5	Improving Estimation of Seasonal Evapotranspiration in Australian Tropical Savannas using a Flexible Drought Index. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108203.	4.8	4
6	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	5.3	646
7	Spatiotemporal partitioning of savanna plant functional type productivity along NATT. <i>Remote Sensing of Environment</i> , 2020, 246, 111855.	11.0	19
8	Carbon, water and energy fluxes in agricultural systems of Australia and New Zealand. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107934.	4.8	15
9	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.	5.2	34
10	Storage of organic carbon in the soils of Mexican temperate forests. <i>Forest Ecology and Management</i> , 2019, 446, 115-125.	3.2	22
11	Embolism recovery strategies and nocturnal water loss across species influenced by biogeographic origin. <i>Ecology and Evolution</i> , 2019, 9, 5348-5361.	1.9	25
12	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.	5.4	52
13	The validity of optimal leaf traits modelled on environmental conditions. <i>New Phytologist</i> , 2019, 221, 1409-1423.	7.3	38
14	Use of satellite leaf area index estimating evapotranspiration and gross assimilation for Australian ecosystems. <i>Ecohydrology</i> , 2018, 11, e1974.	2.4	100
15	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.	3.2	20
16	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.	3.0	24
17	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.	2.4	15
18	A continental-scale assessment of variability in leaf traits: Within species, across sites and between seasons. <i>Functional Ecology</i> , 2018, 32, 1492-1506.	3.6	48

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19	Variation in bulk $\delta^{13}C$ 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.	9.5	33
20	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.	5.3	16
21	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.	4.9	2
22	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.	3.3	7
23	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.	4.2	36
24	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.	3.0	34
25	Leaf nitrogen determination using non-destructive techniques—A review. <i>Journal of Plant Nutrition</i> , 2017, 40, 928-953.	1.9	63
26	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.	5.7	67
27	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.	3.3	12
28	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.	4.8	91
29	Transpiration of Eucalyptus woodlands across a natural gradient of depth-to-groundwater. <i>Tree Physiology</i> , 2017, 37, 961-975.	3.1	14
30	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.	0.9	3
31	The SMAP Level 4 Carbon Product for Monitoring Ecosystem Land–Atmosphere $CO_2$ Exchange. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 6517-6532.	6.3	69
32	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.	4.8	18
33	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.	6.3	59
34	Variation in photosynthetic traits related to access to water in semiarid Australian woody species. <i>Functional Plant Biology</i> , 2017, 44, 1087.	2.1	14
35	Divergence in plant water-use strategies in semiarid woody species. <i>Functional Plant Biology</i> , 2017, 44, 1134.	2.1	15
36	Evapotranspiration seasonality across the Amazon Basin. <i>Earth System Dynamics</i> , 2017, 8, 439-454.	7.1	71

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37	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.	3.3	30
38	An introduction to the Australian and New Zealand flux tower network " OzFlux. <i>Biogeosciences</i> , 2016, 13, 5895-5916.	3.3	159
39	The importance of interacting climate modes on Australia's contribution to global carbon cycle extremes. <i>Scientific Reports</i> , 2016, 6, 23113.	3.3	65
40	Mulga, a major tropical dry open forest of Australia: recent insights to carbon and water fluxes. <i>Environmental Research Letters</i> , 2016, 11, 125011.	5.2	19
41	Drought rapidly diminishes the large net CO <sub>2</sub> uptake in 2011 over semi-arid Australia. <i>Scientific Reports</i> , 2016, 6, 37747.	3.3	83
42	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.	5.4	49
43	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.	4.8	54
44	The Australian SuperSite Network: A continental, long-term terrestrial ecosystem observatory. <i>Science of the Total Environment</i> , 2016, 568, 1263-1274.	8.0	70
45	Groundwater Dependent Ecosystems: Classification, Identification Techniques and Threats. , 2016, , 313-346.		25
46	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.	3.4	17
47	Soil moisture controls on phenology and productivity in a semi-arid critical zone. <i>Science of the Total Environment</i> , 2016, 568, 1227-1237.	8.0	87
48	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.	1.9	23
49	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.	2.4	9
50	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, 1263-1270.	1.9	31
51	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.	2.7	12
52	Abrupt shifts in phenology and vegetation productivity under climate extremes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2036-2052.	3.0	149
53	Groundwater-dependent ecosystems: recent insights from satellite and field-based studies. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 4229-4256.	4.9	116
54	Flooding Regime Impacts on Radiation, Evapotranspiration, and Latent Energy Fluxes over Groundwater-Dependent Riparian Cottonwood and Saltcedar Forests. <i>Advances in Meteorology</i> , 2015, 1-14.	1.6	10

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55	Co-ordination among leaf water relations and xylem vulnerability to embolism of <i>Eucalyptus</i> trees growing along a depth-to-groundwater gradient. <i>Tree Physiology</i> , 2015, 35, 732-743.	3.1	18
56	The hydraulic architecture of <i>Eucalyptus</i> trees growing across a gradient of depth-to-groundwater. <i>Functional Plant Biology</i> , 2015, 42, 888.	2.1	11
57	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.	5.4	35
58	Optimal stomatal behaviour around the world. <i>Nature Climate Change</i> , 2015, 5, 459-464.	18.8	397
59	Fire in Australian savannas: from leaf to landscape. <i>Global Change Biology</i> , 2015, 21, 62-81.	9.5	88
60	Groundwater Dependent Ecosystems. , 2015, , 460-483.		0
61	Functional Traits and Water Transport Strategies in Lowland Tropical Rainforest Trees. <i>PLoS ONE</i> , 2015, 10, e0130799.	2.5	34
62	Quantifying the effects of elevated CO <sub>2</sub> on water budgets by combining FACE data with an ecohydrological model. <i>Ecohydrology</i> , 2014, 7, 1574-1588.	2.4	12
63	Year patterns of climate impact on wheat yields. <i>International Journal of Climatology</i> , 2014, 34, 518-528.	3.5	88
64	Intrinsic climate dependency of ecosystem light and water-use-efficiencies across Australian biomes. <i>Environmental Research Letters</i> , 2014, 9, 104002.	5.2	27
65	Root water compensation sustains transpiration rates in an Australian woodland. <i>Advances in Water Resources</i> , 2014, 74, 91-101.	3.8	28
66	Modelling vegetation water-use and groundwater recharge as affected by climate variability in an arid-zone <i>Acacia</i> savanna woodland. <i>Journal of Hydrology</i> , 2014, 519, 1084-1096.	5.4	30
67	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.	11.0	56
68	Impacts of elevated CO <sub>2</sub> , climate change and their interactions on water budgets in four different catchments in Australia. <i>Journal of Hydrology</i> , 2014, 519, 1350-1361.	5.4	30
69	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.	4.8	102
70	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.	1.3	13
71	The influence of depth-to-groundwater on structure and productivity of <i>Eucalyptus</i> woodlands. <i>Australian Journal of Botany</i> , 2014, 62, 428.	0.6	36
72	Groundwater-dependent distribution of vegetation in Hailiutu River catchment, a semi-arid region in China. <i>Ecohydrology</i> , 2013, 6, 142-149.	2.4	65

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73	Distribution patterns of groundwater-dependent vegetation species diversity and their relationship to groundwater attributes in northwestern China. <i>Ecohydrology</i> , 2013, 6, 191-200.	2.4	15
74	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.	2.6	54
75	Carbon and water fluxes in an arid-zone <i>Acacia</i> savanna woodland: An analyses of seasonal patterns and responses to rainfall events. <i>Agricultural and Forest Meteorology</i> , 2013, 182-183, 225-238.	4.8	115
76	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.	11.0	176
77	Differential growth and yield by canola ( <i>Brassica napus</i> L.) and wheat ( <i>Triticum aestivum</i> ) of the Science of Food and Agriculture, 2013, 93, 995-1002.	3.5	1
78	Ecosystem resilience despite large-scale altered hydroclimatic conditions. <i>Nature</i> , 2013, 494, 349-352.	27.8	450
79	Zooplankton in highly regulated rivers: Changing with water environment. <i>Ecological Engineering</i> , 2013, 58, 323-334.	3.6	23
80	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.	7.5	5
81	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.	1.9	22
82	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.	2.6	4
83	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, 2711-2729.	1.9	160
84	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.	3.6	163
85	Dynamics of component carbon fluxes in a semi-arid <i>Acacia</i> woodland, central Australia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 1168-1185.	3.0	94
86	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	13
87	Application of Coal Fly Ash in Agriculture: A Strategic Perspective. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 559-600.	12.8	61
88	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.	0.4	6
89	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.	0.6	12
90	Reconciling the optimal and empirical approaches to modelling stomatal conductance. <i>Global Change Biology</i> , 2012, 18, 3476-3476.	9.5	31

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91	Improving the responses of the Australian community land surface model (CABLE) to seasonal drought. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	79
92	Effects of elevated atmospheric [ $\text{CO}_2$ ] 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
93	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.	5.4	47
94	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.	3.4	13
95	Reconciling the optimal and empirical approaches to modelling stomatal conductance. <i>Global Change Biology</i> , 2011, 17, 2134-2144.	9.5	847
96	Is productivity of mesic savannas light limited or water limited? Results of a simulation study. <i>Global Change Biology</i> , 2011, 17, 3130-3149.	9.5	60
97	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.	5.4	7
98	Structural and hydrological alterations of soil due to addition of coal fly ash. <i>Journal of Soils and Sediments</i> , 2011, 11, 423-431.	3.0	19
99	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.	2.4	30
100	Rooting depth explains $[\text{CO}_2]$ x drought interaction in <i>Eucalyptus saligna</i> . <i>Tree Physiology</i> , 2011, 31, 922-931.	3.1	57
101	Interactive effects of elevated $\text{CO}_2$ and drought on nocturnal water fluxes in <i>Eucalyptus saligna</i> . <i>Tree Physiology</i> , 2011, 31, 932-944.	3.1	45
102	Towards a spatial understanding of water use of several land-use classes: an examination of relationships amongst pre-dawn leaf water potential, vegetation water use, aridity and MODIS LAI. <i>Ecohydrology</i> , 2010, 3, 1-10.	2.4	12
103	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.	1.1	14
104	Root biomass distribution and soil properties of an open woodland on a duplex soil. <i>Plant and Soil</i> , 2010, 327, 377-388.	3.7	45
105	An assessment of the water budget for contrasting vegetation covers associated with waste management. <i>Hydrological Processes</i> , 2010, 24, 1149-1158.	2.6	19
106	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.	6.4	40
107	Rates of nocturnal transpiration in two evergreen temperate woodland species with differing water-use strategies. <i>Tree Physiology</i> , 2010, 30, 988-1000.	3.1	99
108	Whole-tree chambers for elevated atmospheric $\text{CO}_2$ 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



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109	Topographical and seasonal trends in transpiration by two co-occurring Eucalyptus species during two contrasting years in a low rainfall environment. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 1234-1244.	4.8	15
110	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.	5.4	82
111	Convergence of tree water use within an arid-zone woodland. <i>Oecologia</i> , 2009, 160, 643-655.	2.0	93
112	Simulation of Evapotranspiration and Vadose Zone Hydrology Using Limited Soil Data: A Comparison of Four Computer Models. , 2009, , .		1
113	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, 1466-1472.	2.0	9
114	Corrigendum to: 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> , 2009, 36, 1120.	2.1	0
115	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.	3.7	12
116	The response of sap flow to pulses of rain in a temperate Australian woodland. <i>Plant and Soil</i> , 2008, 305, 121-130.	3.7	77
117	A modified Jarvis-Stewart model for predicting stand-scale transpiration of an Australian native forest. <i>Plant and Soil</i> , 2008, 305, 35-47.	3.7	52
118	Comparing model predictions and experimental data for the response of stomatal conductance and guard cell turgor to manipulations of cuticular conductance, leaf-air vapour pressure difference and temperature: feedback mechanisms are able to account for all observations. <i>Plant, Cell and Environment</i> , 2008, 31, 269-277.	5.7	68
119	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.	1.7	45
120	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.	0.6	11
121	Long term trends of stand transpiration in a remnant forest during wet and dry years. <i>Journal of Hydrology</i> , 2008, 349, 200-213.	5.4	58
122	Coordinating leaf functional traits with branch hydraulic conductivity: resource substitution and implications for carbon gain. <i>Tree Physiology</i> , 2008, 28, 1169-1177.	3.1	40
123	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.	2.1	63
124	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.	0.6	45
125	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.	2.1	92
126	Growth and Elemental Accumulation by Canola on Soil Amended with Coal Fly Ash. <i>Journal of Environmental Quality</i> , 2008, 37, 1263-1270.	2.0	17



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127	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.	2.1	10
128	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.	0.6	27
129	Estimation of leaf area index in eucalypt forest using digital photography. <i>Agricultural and Forest Meteorology</i> , 2007, 143, 176-188.	4.8	219
130	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
131	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.	0.6	34
132	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.	4.1	53
133	Groundwater use by riparian vegetation in the wet - dry tropics of northern Australia. <i>Australian Journal of Botany</i> , 2006, 54, 145.	0.6	68
134	Groundwater-dependent ecosystems: the where, what and why of GDEs. <i>Australian Journal of Botany</i> , 2006, 54, 91.	0.6	147
135	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.	5.2	41
136	Fly-ash: An exploitable resource for management of Australian agricultural soils. <i>Fuel</i> , 2006, 85, 2337-2344.	6.4	93
137	Valuation of groundwater-dependent ecosystems: a functional methodology incorporating ecosystem services. <i>Australian Journal of Botany</i> , 2006, 54, 221.	0.6	61
138	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.	0.6	181
139	Tree allometry and improved estimation of carbon stocks and balance in tropical forests. <i>Oecologia</i> , 2005, 145, 87-99.	2.0	2,346
140	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.	3.7	31
141	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.	0.6	28
142	Groundwater use by vegetation in a tropical savanna riparian zone (Daly River, Australia). <i>Journal of Hydrology</i> , 2005, 310, 280-293.	5.4	92
143	Ecosystem services: an ecophysiological examination. <i>Australian Journal of Botany</i> , 2005, 53, 1.	0.6	41
144	Mechanisms underlying the amelioration of O <sub>3</sub> -induced damage by elevated atmospheric concentrations of CO <sub>2</sub> . <i>Journal of Experimental Botany</i> , 2004, 55, 771-781.	4.8	39

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145	Convergence in hydraulic architecture, water relations and primary productivity amongst habitats and across seasons in Sydney. <i>Functional Plant Biology</i> , 2004, 31, 429.	2.1	45
146	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.	2.1	120
147	Hydraulic architecture and water relations of several species at diverse sites around Sydney. <i>Australian Journal of Botany</i> , 2004, 52, 509.	0.6	16
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