

# Ian J Wright

## 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.

156  
papers

35,885  
citations

73  
h-index

171  
g-index

171  
ext. papers

43,123  
ext. citations

8.3  
avg, IF

6.84  
L-index

#	Paper	IF	Citations
156	The worldwide leaf economics spectrum. <i>Nature</i> , <b>2004</b> , 428, 821-7	50.4	4915
155	New handbook for standardised measurement of plant functional traits worldwide. <i>Australian Journal of Botany</i> , <b>2013</b> , 61, 167	1.2	1983
154	Plant Ecological Strategies: Some Leading Dimensions of Variation Between Species. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>2002</b> , 33, 125-159		1836
153	TRY  global database of plant traits. <i>Global Change Biology</i> , <b>2011</b> , 17, 2905-2935	11.4	1623
152	Plant species traits are the predominant control on litter decomposition rates within biomes worldwide. <i>Ecology Letters</i> , <b>2008</b> , 11, 1065-71	10	1605
151	Causes and consequences of variation in leaf mass per area (LMA): a meta-analysis. <i>New Phytologist</i> , <b>2009</b> , 182, 565-588	9.8	1547
150	Bivariate line-fitting methods for allometry. <i>Biological Reviews</i> , <b>2006</b> , 81, 259-91	13.5	1546
149	Global convergence in the vulnerability of forests to drought. <i>Nature</i> , <b>2012</b> , 491, 752-5	50.4	1446
148	Assessing the generality of global leaf trait relationships. <i>New Phytologist</i> , <b>2005</b> , 166, 485-96	9.8	1343
147	The global spectrum of plant form and function. <i>Nature</i> , <b>2016</b> , 529, 167-71	50.4	1191
146	Three keys to the radiation of angiosperms into freezing environments. <i>Nature</i> , <b>2014</b> , 506, 89-92	50.4	896
145	Land-plant ecology on the basis of functional traits. <i>Trends in Ecology and Evolution</i> , <b>2006</b> , 21, 261-8	10.9	666
144	Global patterns of foliar nitrogen isotopes and their relationships with climate, mycorrhizal fungi, foliar nutrient concentrations, and nitrogen availability. <i>New Phytologist</i> , <b>2009</b> , 183, 980-992	9.8	606
143	Functional traits and the growth-mortality trade-off in tropical trees. <i>Ecology</i> , <b>2010</b> , 91, 3664-74	4.6	604
142	A global study of relationships between leaf traits, climate and soil measures of nutrient fertility. <i>Global Ecology and Biogeography</i> , <b>2009</b> , 18, 137-149	6.1	595
141	Modulation of leaf economic traits and trait relationships by climate. <i>Global Ecology and Biogeography</i> , <b>2005</b> , 14, 411-421	6.1	535
140	Strategy shifts in leaf physiology, structure and nutrient content between species of high- and low-rainfall and high- and low-nutrient habitats. <i>Functional Ecology</i> , <b>2001</b> , 15, 423-434	5.6	519

139	The evolutionary ecology of seed size. <b>2000</b> , 31-57		472
138	Are functional traits good predictors of demographic rates? Evidence from five neotropical forests. <i>Ecology</i> , <b>2008</b> , 89, 1908-20	4.6	444
137	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , <b>2020</b> , 26, 119-188	11.4	399
136	Fundamental trade-offs generating the worldwide leaf economics spectrum. <i>Ecology</i> , <b>2006</b> , 87, 535-41	4.6	340
135	Global climatic drivers of leaf size. <i>Science</i> , <b>2017</b> , 357, 917-921	33.3	334
134	Sensitivity of leaf size and shape to climate: global patterns and paleoclimatic applications. <i>New Phytologist</i> , <b>2011</b> , 190, 724-39	9.8	334
133	Global patterns of leaf mechanical properties. <i>Ecology Letters</i> , <b>2011</b> , 14, 301-12	10	314
132	Weak tradeoff between xylem safety and xylem-specific hydraulic efficiency across the world's woody plant species. <i>New Phytologist</i> , <b>2016</b> , 209, 123-36	9.8	307
131	Nutrient concentration, resorption and lifespan: leaf traits of Australian sclerophyll species. <i>Functional Ecology</i> , <b>2003</b> , 17, 10-19	5.6	305
130	Why are non-photosynthetic tissues generally C enriched compared with leaves in C plants? Review and synthesis of current hypotheses. <i>Functional Plant Biology</i> , <b>2009</b> , 36, 199-213	2.7	304
129	Scaling of respiration to nitrogen in leaves, stems and roots of higher land plants. <i>Ecology Letters</i> , <b>2008</b> , 11, 793-801	10	299
128	Specific leaf area and dry matter content estimate thickness in laminar leaves. <i>Annals of Botany</i> , <b>2005</b> , 96, 1129-36	4.1	299
127	Convergence towards higher leaf mass per area in dry and nutrient-poor habitats has different consequences for leaf life span. <i>Journal of Ecology</i> , <b>2002</b> , 90, 534-543	6	287
126	Leaves at low versus high rainfall: coordination of structure, lifespan and physiology. <i>New Phytologist</i> , <b>2002</b> , 155, 403-416	9.8	283
125	Relationships among ecologically important dimensions of plant trait variation in seven neotropical forests. <i>Annals of Botany</i> , <b>2007</b> , 99, 1003-15	4.1	265
124	Differences in seedling growth behaviour among species: trait correlations across species, and trait shifts along nutrient compared to rainfall gradients. <i>Journal of Ecology</i> , <b>1999</b> , 87, 85-97	6	249
123	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , <b>2015</b> , 206, 614-36	9.8	244
122	Leaf phosphorus influences the photosynthesis-nitrogen relation: a cross-biome analysis of 314 species. <i>Oecologia</i> , <b>2009</b> , 160, 207-12	2.9	225

121	Physiological and structural tradeoffs underlying the leaf economics spectrum. <i>New Phytologist</i> , <b>2017</b> , 214, 1447-1463	9.8	222
120	Balancing the costs of carbon gain and water transport: testing a new theoretical framework for plant functional ecology. <i>Ecology Letters</i> , <b>2014</b> , 17, 82-91	10	220
119	Diffusional conductances to CO <sub>2</sub> as a target for increasing photosynthesis and photosynthetic water-use efficiency. <i>Photosynthesis Research</i> , <b>2013</b> , 117, 45-59	3.7	218
118	Which is a better predictor of plant traits: temperature or precipitation?. <i>Journal of Vegetation Science</i> , <b>2014</b> , 25, 1167-1180	3.1	217
117	Relationships between leaf lifespan and structural defences in a low-nutrient, sclerophyll flora. <i>Functional Ecology</i> , <b>2001</b> , 15, 351-359	5.6	190
116	Least-cost input mixtures of water and nitrogen for photosynthesis. <i>American Naturalist</i> , <b>2003</b> , 161, 98-114	11.4	186
115	Predicting leaf physiology from simple plant and climate attributes: a global GLOPNET analysis <b>2007</b> , 17, 1982-8		181
114	Global effects of soil and climate on leaf photosynthetic traits and rates. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 706-717	6.1	179
113	The biogeography and filtering of woody plant functional diversity in North and South America. <i>Global Ecology and Biogeography</i> , <b>2012</b> , 21, 798-808	6.1	179
112	Functional differences between native and alien species: a global-scale comparison. <i>Functional Ecology</i> , <b>2010</b> , 24, 1353-1361	5.6	166
111	Corrigendum to: New handbook for standardised measurement of plant functional traits worldwide. <i>Australian Journal of Botany</i> , <b>2016</b> , 64, 715	1.2	166
110	"Diminishing returns" in the scaling of functional leaf traits across and within species groups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 8891-6	11.5	143
109	The leaf size-twig size spectrum and its relationship to other important spectra of variation among species. <i>Oecologia</i> , <b>2003</b> , 135, 621-8	2.9	141
108	Towards a universal model for carbon dioxide uptake by plants. <i>Nature Plants</i> , <b>2017</b> , 3, 734-741	11.5	139
107	Evidence of a general 2/3-power law of scaling leaf nitrogen to phosphorus among major plant groups and biomes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 277, 877-83	4.4	131
106	Interrelations among pressure-volume curve traits across species and water availability gradients. <i>Physiologia Plantarum</i> , <b>2006</b> , 127, 423-433	4.6	131
105	Irradiance, temperature and rainfall influence leaf dark respiration in woody plants: evidence from comparisons across 20 sites. <i>New Phytologist</i> , <b>2006</b> , 169, 309-19	9.8	123
104	Anatomical basis of variation in mesophyll resistance in eastern Australian sclerophylls: news of a long and winding path. <i>Journal of Experimental Botany</i> , <b>2012</b> , 63, 5105-19	7	119

103	Are species shade and drought tolerance reflected in leaf-level structural and functional differentiation in Northern Hemisphere temperate woody flora?. <i>New Phytologist</i> , <b>2009</b> , 184, 257-274	9.8	117
102	Volatile isoprenoid emissions from plastid to planet. <i>New Phytologist</i> , <b>2013</b> , 197, 49-57	9.8	116
101	Leaf mesophyll diffusion conductance in 35 Australian sclerophylls covering a broad range of foliage structural and physiological variation. <i>Journal of Experimental Botany</i> , <b>2009</b> , 60, 2433-49	7	104
100	Short Communication: Leaf trait relationships in Australian plant species. <i>Functional Plant Biology</i> , <b>2004</b> , 31, 551-558	2.7	103
99	Global relationship of wood and leaf litter decomposability: the role of functional traits within and across plant organs. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 1046-1057	6.1	100
98	Impacts of trait variation through observed trait-climate relationships on performance of an Earth system model: a conceptual analysis. <i>Biogeosciences</i> , <b>2013</b> , 10, 5497-5515	4.6	99
97	Fossil leaf economics quantified: calibration, Eocene case study, and implications. <i>Paleobiology</i> , <b>2007</b> , 33, 574-589	2.6	96
96	A test of the 'one-point method' for estimating maximum carboxylation capacity from field-measured, light-saturated photosynthesis. <i>New Phytologist</i> , <b>2016</b> , 210, 1130-44	9.8	92
95	Functional distinctiveness of major plant lineages. <i>Journal of Ecology</i> , <b>2014</b> , 102, 345-356	6	87
94	Cross-species patterns in the coordination between leaf and stem traits, and their implications for plant hydraulics. <i>Physiologia Plantarum</i> , <b>2006</b> , 127, 445-456	4.6	86
93	Mechanisms underlying global temperature-related patterns in leaf longevity. <i>Global Ecology and Biogeography</i> , <b>2013</b> , 22, 982-993	6.1	84
92	BHPMF: a hierarchical Bayesian approach to gap-filling and trait prediction for macroecology and functional biogeography. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 1510-1521	6.1	83
91	Functional linkages between leaf traits and net photosynthetic rate: reconciling empirical and mechanistic models. <i>Functional Ecology</i> , <b>2005</b> , 19, 602-615	5.6	83
90	On the link between functional traits and growth rate: meta-analysis shows effects change with plant size, as predicted. <i>Journal of Ecology</i> , <b>2016</b> , 104, 1488-1503	6	82
89	Photosynthetic differences contribute to competitive advantage of evergreen angiosperm trees over evergreen conifers in productive habitats. <i>New Phytologist</i> , <b>2003</b> , 160, 329-336	9.8	82
88	Fibre wall and lumen fractions drive wood density variation across 24 Australian angiosperms. <i>AoB PLANTS</i> , <b>2013</b> , 5,	2.9	81
87	Cross-species relationships between seedling relative growth rate, nitrogen productivity and root vs leaf function in 28 Australian woody species. <i>Functional Ecology</i> , <b>2000</b> , 14, 97-107	5.6	80
86	Global photosynthetic capacity is optimized to the environment. <i>Ecology Letters</i> , <b>2019</b> , 22, 506-517	10	80

85	Towards a thesaurus of plant characteristics: an ecological contribution. <i>Journal of Ecology</i> , <b>2017</b> , 105, 298-309	6	75
84	Connecting the Green and Brown Worlds: Allometric and Stoichiometric Predictability of Above- and Below-Ground Networks. <i>Advances in Ecological Research</i> , <b>2013</b> , 49, 69-175	4.6	74
83	Understanding seedling growth relationships through specific leaf area and leaf nitrogen concentration: generalisations across growth forms and growth irradiance. <i>Oecologia</i> , <b>2001</b> , 127, 21-29	2.9	71
82	Understanding ecological variation across species: area-based vs mass-based expression of leaf traits. <i>New Phytologist</i> , <b>2013</b> , 199, 322-323	9.8	67
81	Burn or rot: leaf traits explain why flammability and decomposability are decoupled across species. <i>Functional Ecology</i> , <b>2015</b> , 29, 1486-1497	5.6	65
80	Controls on declining carbon balance with leaf age among 10 woody species in Australian woodland: do leaves have zero daily net carbon balances when they die?. <i>New Phytologist</i> , <b>2009</b> , 183, 153-166	9.8	63
79	Gradients of light availability and leaf traits with leaf age and canopy position in 28 Australian shrubs and trees. <i>Functional Plant Biology</i> , <b>2006</b> , 33, 407-419	2.7	63
78	Open Science principles for accelerating trait-based science across the Tree of Life. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 294-303	12.3	54
77	Global leaf nitrogen and phosphorus stoichiometry and their scaling exponent. <i>National Science Review</i> , <b>2018</b> , 5, 728-739	10.8	52
76	Correlations among leaf traits provide a significant constraint on the estimate of global gross primary production. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	47
75	A global analysis of water and nitrogen relationships between mistletoes and their hosts: broad-scale tests of old and enduring hypotheses. <i>Functional Ecology</i> , <b>2015</b> , 29, 1114-1124	5.6	45
74	Photosynthetic responses to altitude: an explanation based on optimality principles. <i>New Phytologist</i> , <b>2017</b> , 213, 976-982	9.8	45
73	Climate and soils together regulate photosynthetic carbon isotope discrimination within C3 plants worldwide. <i>Global Ecology and Biogeography</i> , <b>2018</b> , 27, 1056-1067	6.1	45
72	Leaf nitrogen from first principles: field evidence for adaptive variation with climate. <i>Biogeosciences</i> , <b>2017</b> , 14, 481-495	4.6	43
71	Relationships between soil nutrient status and nutrient-related leaf traits in Brazilian cerrado and seasonal forest communities. <i>Plant and Soil</i> , <b>2016</b> , 404, 13-33	4.2	41
70	Acclimation of leaf respiration consistent with optimal photosynthetic capacity. <i>Global Change Biology</i> , <b>2020</b> , 26, 2573	11.4	37
69	A global trait-based approach to estimate leaf nitrogen functional allocation from observations. <i>Ecological Applications</i> , <b>2017</b> , 27, 1421-1434	4.9	36
68	An evolutionary perspective on leaf economics: phylogenetics of leaf mass per area in vascular plants. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 2799-811	2.8	36

67	A continental-scale assessment of variability in leaf traits: Within species, across sites and between seasons. <i>Functional Ecology</i> , <b>2018</b> , 32, 1492-1506	5.6	35
66	Lifetime return on investment increases with leaf lifespan among 10 Australian woodland species. <i>New Phytologist</i> , <b>2012</b> , 193, 409-19	9.8	35
65	Broad Anatomical Variation within a Narrow Wood Density Range--A Study of Twig Wood across 69 Australian Angiosperms. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124892	3.7	35
64	Functional biogeography of angiosperms: life at the extremes. <i>New Phytologist</i> , <b>2018</b> , 218, 1697-1709	9.8	34
63	Are leaf functional traits invariant with plant size and what is invariance anyway?. <i>Functional Ecology</i> , <b>2014</b> , 28, 1330-1343	5.6	34
62	Disentangling coordination among functional traits using an individual-centred model: impact on plant performance at intra- and inter-specific levels. <i>PLoS ONE</i> , <b>2013</b> , 8, e77372	3.7	34
61	Components of leaf-trait variation along environmental gradients. <i>New Phytologist</i> , <b>2020</b> , 228, 82-94	9.8	33
60	Organizing principles for vegetation dynamics. <i>Nature Plants</i> , <b>2020</b> , 6, 444-453	11.5	32
59	Scaling up flammability from individual leaves to fuel beds. <i>Oikos</i> , <b>2017</b> , 126, 1428-1438	4	31
58	Sapwood capacitance is greater in evergreen sclerophyll species growing in high compared to low-rainfall environments. <i>Functional Ecology</i> , <b>2014</b> , 28, 734-744	5.6	31
57	Quantifying leaf-trait covariation and its controls across climates and biomes. <i>New Phytologist</i> , <b>2019</b> , 221, 155-168	9.8	31
56	Leaf economics and plant hydraulics drive leaf : wood area ratios. <i>New Phytologist</i> , <b>2019</b> , 224, 1544-1556	9.8	30
55	Fame, glory and neglect in meta-analyses. <i>Trends in Ecology and Evolution</i> , <b>2011</b> , 26, 493-4	10.9	29
54	Detecting myrtle rust ( <i>Austropuccinia psidii</i> ) on lemon myrtle trees using spectral signatures and machine learning. <i>Plant Pathology</i> , <b>2018</b> , 67, 1114-1121	2.8	28
53	Is there a latitudinal gradient in seed production?. <i>Ecography</i> , <b>2009</b> , 32, 78-82	6.5	28
52	A survey of seed and seedling characters in 1744 Australian dicotyledon species: cross-species trait correlations and correlated trait-shifts within evolutionary lineages. <i>Biological Journal of the Linnean Society</i> , <b>2000</b> , 69, 521-547	1.9	28
51	Nutrient-rich plants emit a less intense blend of volatile isoprenoids. <i>New Phytologist</i> , <b>2018</b> , 220, 773-784	9.8	27
50	The validity of optimal leaf traits modelled on environmental conditions. <i>New Phytologist</i> , <b>2019</b> , 221, 1409-1423	9.8	24

49	Leaf manganese concentrations as a tool to assess belowground plant functioning in phosphorus-impooverished environments. <i>Plant and Soil</i> , <b>2021</b> , 461, 43-61	4.2	23
48	Towards a New Generation of Trait-Flexible Vegetation Models. <i>Trends in Ecology and Evolution</i> , <b>2020</b> , 35, 191-205	10.9	22
47	Rising CO drives divergence in water use efficiency of evergreen and deciduous plants. <i>Science Advances</i> , <b>2019</b> , 5, eaax7906	14.3	22
46	Incorporation of plant traits in a land surface model helps explain the global biogeographical distribution of major forest functional types. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 304-317	6.1	21
45	Palaeo leaf economics reveal a shift in ecosystem function associated with the end-Triassic mass extinction event. <i>Nature Plants</i> , <b>2017</b> , 3, 17104	11.5	20
44	Leaf mechanical strength and photosynthetic capacity vary independently across 57 subtropical forest species with contrasting light requirements. <i>New Phytologist</i> , <b>2019</b> , 223, 607-618	9.8	19
43	Geographic Variation in <i>Eucalyptus diversifolia</i> (Myrtaceae) and the Recognition of New Subspecies <i>E. diversifolia</i> subsp. <i>hesperia</i> and <i>E. diversifolia</i> subsp. <i>megacarpa</i> . <i>Australian Systematic Botany</i> , <b>1997</b> , 10, 651	1	19
42	Intraspecific variation in soy across the leaf economics spectrum. <i>Annals of Botany</i> , <b>2019</b> , 123, 107-120	4.1	17
41	Hydraulic failure and tree size linked with canopy die-back in eucalypt forest during extreme drought. <i>New Phytologist</i> , <b>2021</b> , 230, 1354-1365	9.8	17
40	Climate warming and plant biomechanical defences: Silicon addition contributes to herbivore suppression in a pasture grass. <i>Functional Ecology</i> , <b>2019</b> , 33, 587-596	5.6	16
39	Convergence in Maximum Stomatal Conductance of C Woody Angiosperms in Natural Ecosystems Across Bioclimatic Zones. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 558	6.2	15
38	Growing-season temperature and precipitation are independent drivers of global variation in xylem hydraulic conductivity. <i>Global Change Biology</i> , <b>2020</b> , 26, 1833-1841	11.4	15
37	Developing a spectral disease index for myrtle rust ( <i>Austropuccinia psidii</i> ). <i>Plant Pathology</i> , <b>2019</b> , 68, 738-745	2.8	13
36	Bark traits, decomposition and flammability of Australian forest trees. <i>Australian Journal of Botany</i> , <b>2017</b> , 65, 327	1.2	13
35	Safety margins and adaptive capacity of vegetation to climate change. <i>Scientific Reports</i> , <b>2019</b> , 9, 8241	4.9	12
34	Multispectral, Aerial Disease Detection for Myrtle Rust ( <i>Austropuccinia psidii</i> ) on a Lemon Myrtle Plantation. <i>Drones</i> , <b>2019</b> , 3, 25	5.4	12
33	Biomechanical and leaf-climate relationships: a comparison of ferns and seed plants. <i>American Journal of Botany</i> , <b>2014</b> , 101, 338-47	2.7	12
32	Summer solstice marks a seasonal shift in temperature sensitivity of stem growth and nitrogen-use efficiency in cold-limited forests. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 248, 469-478	5.8	12



31	Scaling-up from leaf to canopy-aggregate properties in sclerophyll shrub species. <i>Austral Ecology</i> , <b>2006</b> , 31, 310-316	1.5	11
30	Parenchyma Abundance in Wood of Evergreen Trees Varies Independently of Nutrients. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 86	6.2	10
29	Stem diameter growth rates in a fire-prone savanna correlate with photosynthetic rate and branch-scale biomass allocation, but not specific leaf area. <i>Austral Ecology</i> , <b>2019</b> , 44, 339-350	1.5	10
28	Eco-evolutionary optimality as a means to improve vegetation and land-surface models. <i>New Phytologist</i> , <b>2021</b> , 231, 2125-2141	9.8	10
27	To recycle or steal? Nutrient resorption in Australian and Brazilian mistletoes from three low-phosphorus sites. <i>Oikos</i> , <b>2017</b> , 126, 32-39	4	9
26	Leaf:wood allometry and functional traits together explain substantial growth rate variation in rainforest trees. <i>AoB PLANTS</i> , <b>2019</b> , 11, plz024	2.9	9
25	Leaf trait variation is similar among genotypes of <i>Eucalyptus camaldulensis</i> from differing climates and arises in plastic responses to the seasons rather than water availability. <i>New Phytologist</i> , <b>2020</b> , 227, 780-793	9.8	9
24	Leaf size estimation based on leaf length, width and shape. <i>Annals of Botany</i> , <b>2021</b> , 128, 395-406	4.1	9
23	The three major axes of terrestrial ecosystem function. <i>Nature</i> , <b>2021</b> , 598, 468-472	50.4	8
22	Leaf trait adaptations of xylem-tapping mistletoes and their hosts in sites of contrasting aridity. <i>Plant and Soil</i> , <b>2017</b> , 415, 117-130	4.2	7
21	When and where soil is important to modify the carbon and water economy of leaves. <i>New Phytologist</i> , <b>2020</b> , 228, 121-135	9.8	6
20	Climatic and soil factors explain the two-dimensional spectrum of global plant trait variation.. <i>Nature Ecology and Evolution</i> , <b>2021</b> ,	12.3	6
19	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , <b>2021</b> , 8, 254	8.2	6
18	A roadmap to plant functional island biogeography. <i>Biological Reviews</i> , <b>2021</b> , 96, 2851-2870	13.5	5
17	Impacts of trait variation through observed trait-climate relationships on performance of a representative Earth System model: a conceptual analysis <b>2012</b> ,		4
16	Enhanced photosynthetic nitrogen use efficiency and increased nitrogen allocation to photosynthetic machinery under cotton domestication. <i>Photosynthesis Research</i> , <b>2021</b> , 150, 239-250	3.7	4
15	A meta-analysis of responses of C plants to atmospheric CO <sub>2</sub> : dose-response curves for 85 traits ranging from the molecular to the whole-plant level. <i>New Phytologist</i> , <b>2021</b> ,	9.8	4
14	Evidence from the proteome for local adaptation to extreme heat in a widespread tree species. <i>Functional Ecology</i> , <b>2019</b> , 33, 436-446	5.6	4

13	Applying the economic concept of profitability to leaves. <i>Scientific Reports</i> , <b>2021</b> , 11, 49	4.9	4
12	Rising CO and warming reduce global canopy demand for nitrogen.. <i>New Phytologist</i> , <b>2022</b> ,	9.8	4
11	Zanne et al. reply. <i>Nature</i> , <b>2015</b> , 521, E6-7	50.4	3
10	Half of the world's tree biodiversity is unprotected and is increasingly threatened by human activities		3
9	Comparisons of photosynthetic and anatomical traits between wild and domesticated cotton. <i>Journal of Experimental Botany</i> , <b>2021</b> ,	7	3
8	Effects of plant hydraulic traits on the flammability of live fine canopy fuels. <i>Functional Ecology</i> , <b>2021</b> , 35, 835-846	5.6	3
7	Functional diversity of the Australian flora: Strong links to species richness and climate. <i>Journal of Vegetation Science</i> , <b>2021</b> , 32, e13018	3.1	3
6	The Leaf Economics Spectrum and its Underlying Physiological and Anatomical Principles. <i>Advances in Photosynthesis and Respiration</i> , <b>2018</b> , 451-471	1.7	3
5	Coordination of plant hydraulic and photosynthetic traits: confronting optimality theory with field measurements. <i>New Phytologist</i> , <b>2021</b> , 232, 1286-1296	9.8	3
4	Disentangling direct and indirect effects of island area on plant functional trait distributions. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 2098-2110	4.1	2
3	Functional biogeography of Neotropical moist forests: Trait-climate relationships and assembly patterns of tree communities. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 1430-1446	6.1	2
2	Leaf economics explained by optimality principles		2
1	Environmental associations of abundance-weighted functional traits in Australian plant communities. <i>Basic and Applied Ecology</i> , <b>2021</b> , 58, 98-98	3.2	1