

John R. Evans

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.

150
papers

14,995
citations

62
h-index

121
g-index

160
ext. papers

17,156
ext. citations

6
avg, IF

7.01
L-index

#	Paper	IF	Citations
150	Photosynthesis and nitrogen relationships in leaves of C plants. <i>Oecologia</i> , 1989 , 78, 9-19	2.9	2422
149	Photosynthetic acclimation of plants to growth irradiance: the relative importance of specific leaf area and nitrogen partitioning in maximizing carbon gain. <i>Plant, Cell and Environment</i> , 2001 , 24, 755-767	8.4	717
148	Nitrogen and Photosynthesis in the Flag Leaf of Wheat (<i>Triticum aestivum</i> L.). <i>Plant Physiology</i> , 1983 , 72, 297-302	6.6	562
147	Photosynthetic nitrogen-use efficiency of species that differ inherently in specific leaf area. <i>Oecologia</i> , 1998 , 116, 26-37	2.9	405
146	Resistances along the CO ₂ diffusion pathway inside leaves. <i>Journal of Experimental Botany</i> , 2009 , 60, 2235-48	7	391
145	Carbon Isotope Discrimination measured Concurrently with Gas Exchange to Investigate CO ₂ Diffusion in Leaves of Higher Plants. <i>Functional Plant Biology</i> , 1986 , 13, 281	2.7	333
144	Carbon Dioxide Diffusion inside Leaves. <i>Plant Physiology</i> , 1996 , 110, 339-346	6.6	329
143	The kinetics of ribulose-1,5-bisphosphate carboxylase/oxygenase in vivo inferred from measurements of photosynthesis in leaves of transgenic tobacco. <i>Planta</i> , 1994 , 195, 88-97	4.7	325
142	The importance of energy balance in improving photosynthetic productivity. <i>Plant Physiology</i> , 2011 , 155, 70-8	6.6	296
141	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , 2015 , 206, 614-36	9.8	244
140	Estimating mesophyll conductance to CO ₂ : methodology, potential errors, and recommendations. <i>Journal of Experimental Botany</i> , 2009 , 60, 2217-34	7	241
139	Reduction of ribulose-1,5-bisphosphate carboxylase/oxygenase content by antisense RNA reduces photosynthesis in transgenic tobacco plants. <i>Plant Physiology</i> , 1992 , 98, 294-302	6.6	228
138	Leaf respiration of snow gum in the light and dark. Interactions between temperature and irradiance. <i>Plant Physiology</i> , 2000 , 122, 915-23	6.6	226
137	Physiological and structural tradeoffs underlying the leaf economics spectrum. <i>New Phytologist</i> , 2017 , 214, 1447-1463	9.8	222
136	Photosynthetic light-response curves. <i>Planta</i> , 1993 , 189, 182	4.7	220
135	Improving photosynthesis. <i>Plant Physiology</i> , 2013 , 162, 1780-93	6.6	205
134	The Relationship Between CO ₂ Transfer Conductance and Leaf Anatomy in Transgenic Tobacco With a Reduced Content of Rubisco. <i>Functional Plant Biology</i> , 1994 , 21, 475	2.7	204

133	Determination of the Average Partial Pressure of CO ₂ in Chloroplasts From Leaves of Several C ₃ Plants. <i>Functional Plant Biology</i> , 1991 , 18, 287	2.7	194
132	Proteoid roots. Physiology and development. <i>Plant Physiology</i> , 1999 , 121, 317-24	6.6	193
131	Linking development and determinacy with organic acid efflux from proteoid roots of white lupin grown with low phosphorus and ambient or elevated atmospheric CO ₂ concentration. <i>Plant Physiology</i> , 1999 , 120, 705-16	6.6	189
130	Temperature responses of mesophyll conductance differ greatly between species. <i>Plant, Cell and Environment</i> , 2015 , 38, 629-37	8.4	188
129	Faster Rubisco is the key to superior nitrogen-use efficiency in NADP-malic enzyme relative to NAD-malic enzyme C ₄ grasses. <i>Plant Physiology</i> , 2005 , 137, 638-50	6.6	179
128	Specific reduction of chloroplast carbonic anhydrase activity by antisense RNA in transgenic tobacco plants has a minor effect on photosynthetic CO ₂ assimilation. <i>Planta</i> , 1994 , 193, 331-340	4.7	172
127	Leaf anatomy enables more equal access to light and CO ₂ between chloroplasts. <i>New Phytologist</i> , 1999 , 143, 93-104	9.8	171
126	Construction costs, chemical composition and payback time of high- and low-irradiance leaves. <i>Journal of Experimental Botany</i> , 2006 , 57, 355-71	7	148
125	Temperature response of carbon isotope discrimination and mesophyll conductance in tobacco. <i>Plant, Cell and Environment</i> , 2013 , 36, 745-56	8.4	147
124	Profiles of light absorption and chlorophyll within spinach leaves from chlorophyll fluorescence. <i>Plant, Cell and Environment</i> , 2002 , 25, 1313-1323	8.4	144
123	The cyanobacterial CCM as a source of genes for improving photosynthetic CO ₂ fixation in crop species. <i>Journal of Experimental Botany</i> , 2013 , 64, 753-68	7	138
122	A simple new equation for the reversible temperature dependence of photosynthetic electron transport: a study on soybean leaf. <i>Functional Plant Biology</i> , 2004 , 31, 275-283	2.7	134
121	Influence of leaf dry mass per area, CO ₂ , and irradiance on mesophyll conductance in sclerophylls. <i>Journal of Experimental Botany</i> , 2009 , 60, 2303-14	7	129
120	Hyperspectral reflectance as a tool to measure biochemical and physiological traits in wheat. <i>Journal of Experimental Botany</i> , 2018 , 69, 483-496	7	127
119	Relationship between the inhibition of leaf respiration by light and enhancement of leaf dark respiration following light treatment. <i>Functional Plant Biology</i> , 1998 , 25, 437	2.7	123
118	Differences between Wheat Genotypes in Specific Activity of Ribulose-1,5-bisphosphate Carboxylase and the Relationship to Photosynthesis. <i>Plant Physiology</i> , 1984 , 74, 759-65	6.6	121
117	Using tunable diode laser spectroscopy to measure carbon isotope discrimination and mesophyll conductance to CO ₂ diffusion dynamically at different CO ₂ concentrations. <i>Plant, Cell and Environment</i> , 2011 , 34, 580-91	8.4	116
116	Acquisition and Diffusion of CO ₂ in Higher Plant Leaves. <i>Advances in Photosynthesis and Respiration</i> , 2000 , 321-351	1.7	116

115	Temperature response of mesophyll conductance in cultivated and wild <i>Oryza</i> species with contrasting mesophyll cell wall thickness. <i>Plant, Cell and Environment</i> , 2011 , 34, 1999-2008	8.4	115
114	Effects of growth and measurement light intensities on temperature dependence of CO ₂ assimilation rate in tobacco leaves. <i>Plant, Cell and Environment</i> , 2010 , 33, 332-43	8.4	115
113	Reduction of ribulose biphosphate carboxylase activase levels in tobacco (<i>Nicotiana tabacum</i>) by antisense RNA reduces ribulose biphosphate carboxylase carbamylation and impairs photosynthesis. <i>Plant Physiology</i> , 1993 , 102, 1119-28	6.6	115
112	Specific reduction of chloroplast glyceraldehyde-3-phosphate dehydrogenase activity by antisense RNA reduces CO ₂ assimilation via a reduction in ribulose bisphosphate regeneration in transgenic tobacco plants. <i>Planta</i> , 1995 , 195, 369-78	4.7	113
111	Light and CO ₂ do not affect the mesophyll conductance to CO ₂ diffusion in wheat leaves. <i>Journal of Experimental Botany</i> , 2009 , 60, 2291-301	7	109
110	The relationship between carbon-dioxide-limited photosynthetic rate and ribulose-1,5-bisphosphate-carboxylase content in two nuclear-cytoplasm substitution lines of wheat, and the coordination of ribulose-bisphosphate-carboxylation and electron-transport capacity. <i>Planta</i> , 2006 , 167, 251-6	4.7	108
109	The Dependence of Quantum Yield on Wavelength and Growth Irradiance. <i>Functional Plant Biology</i> , 1987 , 14, 69	2.7	108
108	Leaf mesophyll diffusion conductance in 35 Australian sclerophylls covering a broad range of foliage structural and physiological variation. <i>Journal of Experimental Botany</i> , 2009 , 60, 2433-49	7	104
107	The solar action spectrum of photosystem II damage. <i>Plant Physiology</i> , 2010 , 153, 988-93	6.6	100
106	The nitrogen cost of photosynthesis. <i>Journal of Experimental Botany</i> , 2019 , 70, 7-15	7	98
105	Profiles of ¹⁴ C fixation through spinach leaves in relation to light absorption and photosynthetic capacity. <i>Plant, Cell and Environment</i> , 2003 , 26, 547-560	8.4	97
104	Trait correlation networks: a whole-plant perspective on the recently criticized leaf economic spectrum. <i>New Phytologist</i> , 2014 , 201, 378-382	9.8	93
103	Growth of the C ₄ dicot <i>Flaveria bidentis</i> : photosynthetic acclimation to low light through shifts in leaf anatomy and biochemistry. <i>Journal of Experimental Botany</i> , 2010 , 61, 4109-22	7	93
102	A comment on the quantitative significance of aerobic methane release by plants. <i>Functional Plant Biology</i> , 2006 , 33, 521-530	2.7	93
101	Enhancing C ₃ photosynthesis. <i>Plant Physiology</i> , 2010 , 154, 589-92	6.6	92
100	Photosynthetic light-response curves. <i>Planta</i> , 1993 , 189, 191	4.7	91
99	The relationship between CO ₂ -assimilation rate, Rubisco carbamylation and Rubisco activase content in activase-deficient transgenic tobacco suggests a simple model of activase action. <i>Planta</i> , 1996 , 198, 604-613	4.7	89
98	Water and temperature stress define the optimal flowering period for wheat in south-eastern Australia. <i>Field Crops Research</i> , 2017 , 209, 108-119	5.5	86


97	Partitioning of Nitrogen Between and Within Leaves Grown Under Different Irradiances. <i>Functional Plant Biology</i> , 1989 , 16, 533	2.7	85
96	Nitrogen in cell walls of sclerophyllous leaves accounts for little of the variation in photosynthetic nitrogen-use efficiency. <i>Plant, Cell and Environment</i> , 2009 , 32, 259-70	8.4	82
95	Effects of Nitrogen Nutrition on Electron Transport Components and Photosynthesis in Spinach. <i>Functional Plant Biology</i> , 1987 , 14, 59	2.7	78
94	High-resolution temperature responses of leaf respiration in snow gum (<i>Eucalyptus pauciflora</i>) reveal high-temperature limits to respiratory function. <i>Plant, Cell and Environment</i> , 2013 , 36, 1268-84	8.4	75
93	The response of fast- and slow-growing Acacia species to elevated atmospheric CO ₂ : an analysis of the underlying components of relative growth rate. <i>Oecologia</i> , 1999 , 120, 544-554	2.9	75
92	Online CO ₂ and H ₂ O oxygen isotope fractionation allows estimation of mesophyll conductance in C ₄ plants, and reveals that mesophyll conductance decreases as leaves age in both C ₄ and C ₃ plants. <i>New Phytologist</i> , 2016 , 210, 875-89	9.8	75
91	Growth and nutritive value of cassava (<i>Manihot esculenta</i> Cranz.) are reduced when grown in elevated CO ₂ . <i>Plant Biology</i> , 2009 , 11 Suppl 1, 76-82	3.7	73
90	Dual-purpose cereals: can the relative influences of management and environment on crop recovery and grain yield be dissected?. <i>Crop and Pasture Science</i> , 2011 , 62, 930	2.2	71
89	Carbon dioxide and water transport through plant aquaporins. <i>Plant, Cell and Environment</i> , 2017 , 40, 938-961	8.4	67
88	Leaf-level photosynthetic capacity in lowland Amazonian and high-elevation Andean tropical moist forests of Peru. <i>New Phytologist</i> , 2017 , 214, 1002-1018	9.8	62
87	Strong thermal acclimation of photosynthesis in tropical and temperate wet-forest tree species: the importance of altered Rubisco content. <i>Global Change Biology</i> , 2017 , 23, 2783-2800	11.4	59
86	Acclimation by the Thylakoid Membranes to Growth Irradiance and the Partitioning of Nitrogen Between Soluble and Thylakoid Proteins. <i>Functional Plant Biology</i> , 1988 , 15, 93	2.7	59
85	Stomatal crypts may facilitate diffusion of CO ₂ to adaxial mesophyll cells in thick sclerophylls. <i>Plant, Cell and Environment</i> , 2009 , 32, 1596-611	8.4	58
84	Photosynthesis within isobilateral <i>Eucalyptus pauciflora</i> leaves. <i>New Phytologist</i> , 2006 , 171, 771-82	9.8	57
83	Photosynthetic Acclimation and Nitrogen Partitioning Within a Lucerne Canopy. I. Canopy Characteristics. <i>Functional Plant Biology</i> , 1993 , 20, 55	2.7	55
82	Photosynthesis at an extreme end of the leaf trait spectrum: how does it relate to high leaf dry mass per area and associated structural parameters?. <i>Journal of Experimental Botany</i> , 2010 , 61, 3015-28 ⁷		54
81	Phosphorus availability and elevated CO ₂ affect biological nitrogen fixation and nutrient fluxes in a clover-dominated sward. <i>New Phytologist</i> , 2006 , 169, 157-67	9.8	54
80	Is a Low Internal Conductance to CO ₂ Diffusion a Consequence of Succulence in Plants with Crassulacean Acid Metabolism?. <i>Functional Plant Biology</i> , 1997 , 24, 777	2.7	51

79	The Relationship Between Electron Transport Components and Photosynthetic Capacity in Pea Leaves Grown at Different Irradiances. <i>Functional Plant Biology</i> , 1987 , 14, 157	2.7	51
78	Changes in the Photosynthetic Properties of Australian Wheat Cultivars Over the Last Century. <i>Functional Plant Biology</i> , 1994 , 21, 169	2.7	49
77	Variation in the components of relative growth rate in 10 Acacia species from contrasting environments. <i>Plant, Cell and Environment</i> , 1998 , 21, 1007-1017	8.4	48
76	Phosphorus acquisition from soil by white lupin (<i>Lupinus albus</i> L.) and soybean (<i>Glycine max</i> L.), species with contrasting root development. <i>Plant and Soil</i> , 2003 , 248, 271-283	4.2	46
75	Potential errors in electron transport rates calculated from chlorophyll fluorescence as revealed by a multilayer leaf model. <i>Plant and Cell Physiology</i> , 2009 , 50, 698-706	4.9	44
74	Functional analysis of corn husk photosynthesis. <i>Plant Physiology</i> , 2011 , 156, 503-13	6.6	44
73	Fast winter wheat phenology can stabilise flowering date and maximise grain yield in semi-arid Mediterranean and temperate environments. <i>Field Crops Research</i> , 2018 , 223, 12-25	5.5	43
72	Grazing winter wheat relieves plant water stress and transiently enhances photosynthesis. <i>Functional Plant Biology</i> , 2010 , 37, 726	2.7	43
71	Photosynthesis is strongly reduced by antisense suppression of chloroplastic cytochrome bf complex in transgenic tobacco. <i>Functional Plant Biology</i> , 1998 , 25, 445	2.7	43
70	The specific activity of ribulose-1,5-bisphosphate carboxylase in relation to genotype in wheat. <i>Planta</i> , 1986 , 167, 344-50	4.7	43
69	Recovery dynamics of rainfed winter wheat after livestock grazing 1. Growth rates, grain yields, soil water use and water-use efficiency. <i>Crop and Pasture Science</i> , 2011 , 62, 947	2.2	41
68	Effects of elevated atmospheric CO ₂ , cutting frequency, and differential day/night atmospheric warming on root growth and turnover of <i>Phalaris</i> swards. <i>Global Change Biology</i> , 2007 , 13, 1040-1052	11.4	41
67	Leaf water storage increases with salinity and aridity in the mangrove <i>Avicennia marina</i> : integration of leaf structure, osmotic adjustment and access to multiple water sources. <i>Plant, Cell and Environment</i> , 2017 , 40, 1576-1591	8.4	40
66	Rubisco: the consequences of altering its expression and activation in transgenic plants. <i>Journal of Experimental Botany</i> , 1995 , 46, 1293-1300	7	40
65	Nitrogen fertilization enhances water-use efficiency in a saline environment. <i>Plant, Cell and Environment</i> , 2010 , 33, 344-57	8.4	39
64	Chloroplast to Leaf. <i>Ecological Studies</i> , 2004 , 15-41	1.1	34
63	Effects of reduced carbonic anhydrase activity on CO ₂ assimilation rates in <i>Setaria viridis</i> : a transgenic analysis. <i>Journal of Experimental Botany</i> , 2017 , 68, 299-310	7	33
62	Predicting dark respiration rates of wheat leaves from hyperspectral reflectance. <i>Plant, Cell and Environment</i> , 2019 , 42, 2133-2150	8.4	32

61	Recovery dynamics of rainfed winter wheat after livestock grazing 2. Light interception, radiation-use efficiency and dry-matter partitioning. <i>Crop and Pasture Science</i> , 2011 , 62, 960	2.2	32
60	Embracing 3D Complexity in Leaf Carbon-Water Exchange. <i>Trends in Plant Science</i> , 2019 , 24, 15-24	13.1	32
59	Genetic gains in NSW wheat cultivars from 1901 to 2014 as revealed from synchronous flowering during the optimum period. <i>European Journal of Agronomy</i> , 2018 , 98, 1-13	5	32
58	N ₂ fixation by Acacia species increases under elevated atmospheric CO ₂ . <i>Plant, Cell and Environment</i> , 2002 , 25, 567-579	8.4	30
57	PrometheusWiki Gold Leaf Protocol: gas exchange using LI-COR 6400. <i>Functional Plant Biology</i> , 2014 , 41, 223-226	2.7	29
56	Chloroplast Cytochrome b6/f and ATP Synthase Complexes in Tobacco: Transformation With Antisense RNA Against Nuclear-Encoded Transcripts for the Rieske FeS and ATP[Polypeptides. <i>Functional Plant Biology</i> , 1995 , 22, 285	2.7	29
55	Antisense reductions in the PsbO protein of photosystem II leads to decreased quantum yield but similar maximal photosynthetic rates. <i>Journal of Experimental Botany</i> , 2012 , 63, 4781-95	7	28
54	Absolute absorption and relative fluorescence excitation spectra of the five major chlorophyll-protein complexes from spinach thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987 , 892, 75-82	4.6	28
53	Photoinhibition of Photosynthesis in situ in Six Species of Eucalyptus. <i>Functional Plant Biology</i> , 1992 , 19, 223	2.7	27
52	Biochemical model of C photosynthesis applied to wheat at different temperatures. <i>Plant, Cell and Environment</i> , 2017 , 40, 1552-1564	8.4	26
51	Drought increases heat tolerance of leaf respiration in Eucalyptus globulus saplings grown under both ambient and elevated atmospheric [CO ₂] and temperature. <i>Journal of Experimental Botany</i> , 2014 , 65, 6471-85	7	25
50	Using a mathematical framework to examine physiological changes in winter wheat after livestock grazing: 2. Model validation and effects of grazing management. <i>Field Crops Research</i> , 2012 , 136, 127-137	5.5	25
49	Carbon Fixation Profiles Do Reflect Light Absorption Profiles in Leaves. <i>Functional Plant Biology</i> , 1995 , 22, 865	2.7	24
48	The impact of elevated atmospheric CO ₂ and nitrate supply on growth, biomass allocation, nitrogen partitioning and N ₂ fixation of Acacia melanoxylon. <i>Functional Plant Biology</i> , 1999 , 26, 737	2.7	23
47	Using a mathematical framework to examine physiological changes in winter wheat after livestock grazing. <i>Field Crops Research</i> , 2012 , 136, 116-126	5.5	22
46	Changes in nutritional value of cyanogenic trifolium repens grown at elevated atmospheric CO ₂ . <i>Journal of Chemical Ecology</i> , 2009 , 35, 476-8	2.7	22
45	Resolving methane fluxes. <i>New Phytologist</i> , 2007 , 175, 1-4	9.8	22
44	Does greater night-time, rather than constant, warming alter growth of managed pasture under ambient and elevated atmospheric CO ₂ ?. <i>New Phytologist</i> , 2004 , 162, 397-411	9.8	22

43	Stomatal, mesophyll conductance, and biochemical limitations to photosynthesis during induction. <i>Plant Physiology</i> , 2021 , 185, 146-160	6.6	22
42	Mesophyll conductance does not contribute to greater photosynthetic rate per unit nitrogen in temperate compared with tropical evergreen wet-forest tree leaves. <i>New Phytologist</i> , 2018 , 218, 492-503	9.8	21
41	Association between water and carbon dioxide transport in leaf plasma membranes: assessing the role of aquaporins. <i>Plant, Cell and Environment</i> , 2017 , 40, 789-801	8.4	20
40	Genetic variation for photosynthetic capacity and efficiency in spring wheat. <i>Journal of Experimental Botany</i> , 2020 , 71, 2299-2311	7	20
39	Mesophyll conductance: walls, membranes and spatial complexity. <i>New Phytologist</i> , 2021 , 229, 1864-1876	6.8	20
38	Chapter 8 Nitrogen and Water Use Efficiency of C4 Plants. <i>Advances in Photosynthesis and Respiration</i> , 2010 , 129-146	1.7	19
37	Effects of mesophyll conductance on vegetation responses to elevated CO concentrations in a land surface model. <i>Global Change Biology</i> , 2019 , 25, 1820-1838	11.4	17
36	Genotype × management strategies to stabilise the flowering time of wheat in the south-eastern Australian wheatbelt. <i>Crop and Pasture Science</i> , 2018 , 69, 547	2.2	16
35	Light Quality Affects Chloroplast Electron Transport Rates Estimated from Chl Fluorescence Measurements. <i>Plant and Cell Physiology</i> , 2017 , 58, 1652-1660	4.9	16
34	Effects of water availability, nitrogen supply and atmospheric CO concentrations on plant nitrogen natural abundance values. <i>Functional Plant Biology</i> , 2006 , 33, 219-227	2.7	16
33	Developmental Constraints on Photosynthesis: Effects of Light and Nutrition 1996 , 281-304		16
32	Food security requires genetic advances to increase farm yields. <i>Nature</i> , 2010 , 464, 831	50.4	15
31	Genome-wide identification and characterisation of Aquaporins in <i>Nicotiana tabacum</i> and their relationships with other Solanaceae species. <i>BMC Plant Biology</i> , 2020 , 20, 266	5.3	14
30	Root phenotypes at maturity in diverse wheat and triticale genotypes grown in three field experiments: Relationships to shoot selection, biomass, grain yield, flowering time, and environment. <i>Field Crops Research</i> , 2020 , 255, 107870	5.5	13
29	A unique web resource for physiology, ecology and the environmental sciences: PrometheusWiki. <i>Functional Plant Biology</i> , 2010 , 37, 687	2.7	13
28	Would C4 rice produce more biomass than C3 rice? Sheehy JE, Mitchell PL, Hardy B, editors. 2000. Redesigning rice photosynthesis to increase yield. Proceedings of the Workshop on The Quest to Reduce Hunger: Redesigning Rice Photosynthesis, 30 Nov.-3 Dec. 1999, Los Baños, Philippines. Makati City (Philippines): International Rice Research Institute and Amsterdam (The Netherlands).		13
27	Effects of growth temperature on photosynthetic gas exchange characteristics and hydraulic anatomy in leaves of two cold-climate <i>Poa</i> species. <i>Functional Plant Biology</i> , 2010 , 38, 54-62	2.7	11
26	A reporting format for leaf-level gas exchange data and metadata. <i>Ecological Informatics</i> , 2021 , 61, 101232	3.2	11

25	A Decrease in Mesophyll Conductance by Cell-Wall Thickening Contributes to Photosynthetic Downregulation. <i>Plant Physiology</i> , 2020 , 183, 1600-1611	6.6	10
24	Deep Soil Water-Use Determines the Yield Benefit of Long-Cycle Wheat. <i>Frontiers in Plant Science</i> , 2020 , 11, 548	6.2	10
23	Exploiting transplastomically modified Rubisco to rapidly measure natural diversity in its carbon isotope discrimination using tuneable diode laser spectroscopy. <i>Journal of Experimental Botany</i> , 2014 , 65, 3759-67	7	10
22	Phosphorus status determines biomass response to elevated CO ₂ in a legume : C4 grass community. <i>Global Change Biology</i> , 2005 , 11, 051013014052003-???	11.4	10
21	The apparent temperature response of leaf respiration depends on the timescale of measurements: a study of two cold climate species. <i>Plant Biology</i> , 2008 , 10, 185-93	3.7	9
20	Chloroplast to Leaf. <i>Ecological Studies</i> , 2004 , 107-132	1.1	9
19	Uncovering candidate genes involved in photosynthetic capacity using unexplored genetic variation in Spring Wheat. <i>Plant Biotechnology Journal</i> , 2021 , 19, 1537-1552	11.6	8
18	Effect of leaf temperature on the estimation of photosynthetic and other traits of wheat leaves from hyperspectral reflectance. <i>Journal of Experimental Botany</i> , 2021 , 72, 1271-1281	7	7
17	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021 , 8, 254	8.2	6
16	Phosphorus deficiency alters scaling relationships between leaf gas exchange and associated traits in a wide range of contrasting Eucalyptus species. <i>Functional Plant Biology</i> , 2018 , 45, 813-826	2.7	5
15	Internal transport of CO from the root-zone to plant shoot is pH dependent. <i>Physiologia Plantarum</i> , 2019 , 165, 451-463	4.6	4
14	Effects of elevated atmospheric CO ₂ concentrations, clipping regimen and differential day/night atmospheric warming on tissue nitrogen concentrations of a perennial pasture grass. <i>AoB PLANTS</i> , 2015 , 7,	2.9	4
13	Wheat physiology predictor: predicting physiological traits in wheat from hyperspectral reflectance measurements using deep learning. <i>Plant Methods</i> , 2021 , 17, 108	5.8	4
12	Effect of N supply on the carbon economy of barley when accounting for plant size. <i>Functional Plant Biology</i> , 2020 , 47, 368-381	2.7	3
11	Phosphorus acquisition from soil by white lupin (<i>Lupinus albus</i> L.) and soybean (<i>Glycine max</i> L.), species with contrasting root development 2003 , 271-283		2
10	Temperature responses of photosynthesis and respiration in a sub-Antarctic megaherb from Heard Island. <i>Functional Plant Biology</i> , 2015 , 42, 552-564	2.7	1
9	Uncovering candidate genes involved in photosynthetic capacity using unexplored genetic variation in Spring Wheat		1
8	Measurement of Mesophyll Conductance in Tobacco, Arabidopsis and Wheat Leaves with Tunable Diode Laser Absorption Spectroscopy. <i>Advanced Topics in Science and Technology in China</i> , 2013 , 751-755 ^{0.2}		1

7	Carbon Dioxide Diffusion Inside C3 Leaves 1998 , 3463-3466		1
6	A consensus on the Aquaporin Gene Family in the Allotetraploid Plant,. <i>Plant Direct</i> , 2021 , 5, e00321	3.3	1
5	AusTraits  curated plant trait database for the Australian flora		1
4	Wah Soon Chow, a teacher, a friend and a colleague. <i>Photosynthesis Research</i> , 2021 , 149, 253-258	3.7	1
3	Mesophyll conductance is unaffected by expression of Arabidopsis PIP1 aquaporins in the plasmalemma of Nicotiana.. <i>Journal of Experimental Botany</i> , 2022 ,	7	1
2	The Regulation of Rubisco Catalysis by Rubisco Activase 1995 , 3909-3914		
1	Regulation of CO2 Assimilation Rate by the Chloroplast Cytochrome BF Complex 1998 , 3643-3648		