John R. Evans

List of Publications by Year
in descending order

151 papers	19,693 citations	12303 69 h-index	11288 136 g-index
160 all docs	160 docs citations	160 times ranked	13367 citing authors

#	Article	IF	Citations
1	Photosynthesis and nitrogen relationships in leaves of C3 plants. Oecologia, 1989, 78, 9-19.	0.9	2,873
2	Photosynthetic acclimation of plants to growth irradiance: the relative importance of specific leaf area and nitrogen partitioning in maximizing carbon gain. Plant, Cell and Environment, 2001, 24, 755-767.	2.8	945
3	Nitrogen and Photosynthesis in the Flag Leaf of Wheat (<i>Triticum aestivum</i> L.). Plant Physiology, 1983, 72, 297-302.	2.3	677
4	Resistances along the CO2 diffusion pathway inside leaves. Journal of Experimental Botany, 2009, 60, 2235-2248.	2.4	492
5	Carbon Isotope Discrimination measured Concurrently with Gas Exchange to Investigate CO2 Diffusion in Leaves of Higher Plants. Functional Plant Biology, 1986, 13, 281.	1.1	481
6	Photosynthetic nitrogen-use efficiency of species that differ inherently in specific leaf area. Oecologia, 1998, 116, 26-37.	0.9	476
7	Physiological and structural tradeoffs underlying the leaf economics spectrum. New Phytologist, 2017, 214, 1447-1463.	3.5	412
8	The Importance of Energy Balance in Improving Photosynthetic Productivity Â. Plant Physiology, 2011, 155, 70-78.	2.3	394
9	Carbon Dioxide Diffusion inside Leaves. Plant Physiology, 1996, 110, 339-346.	2.3	373
10	The kinetics of ribulose-1,5-bisphosphate carboxylase/oxygenase in vivo inferred from measurements of photosynthesis in leaves of transgenic tobacco. Planta, 1994, 195, 88-97.	1.6	366
11	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. New Phytologist, 2015, 206, 614-636.	3.5	350
12	Improving Photosynthesis. Plant Physiology, 2013, 162, 1780-1793.	2.3	338
13	The Relationship Between CO2 Transfer Conductance and Leaf Anatomy in Transgenic Tobacco With a Reduced Content of Rubisco. Functional Plant Biology, 1994, 21, 475.	1.1	305
14	Determination of the Average Partial Pressure of CO2 in Chloroplasts From Leaves of Several C3 Plants. Functional Plant Biology, 1991, 18, 287.	1.1	295
15	Estimating mesophyll conductance to CO2: methodology, potential errors, and recommendations. Journal of Experimental Botany, 2009, 60, 2217-2234.	2.4	289
16	Photosynthetic light-response curves. Planta, 1993, 189, 182.	1.6	286
17	Temperature responses of mesophyll conductance differ greatly between species. Plant, Cell and Environment, 2015, 38, 629-637.	2.8	271
18	Reduction of Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase Content by Antisense RNA Reduces Photosynthesis in Transgenic Tobacco Plants. Plant Physiology, 1992, 98, 294-302.	2.3	259

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19	Leaf Respiration of Snow Gum in the Light and Dark. Interactions between Temperature and Irradiance. Plant Physiology, 2000, 122, 915-924.	2.3	249
20	The nitrogen cost of photosynthesis. Journal of Experimental Botany, 2019, 70, 7-15.	2.4	224
21	Faster Rubisco Is the Key to Superior Nitrogen-Use Efficiency in NADP-Malic Enzyme Relative to NAD-Malic Enzyme C4 Grasses. Plant Physiology, 2005, 137, 638-650.	2.3	223
22	Linking Development and Determinacy with Organic Acid Efflux from Proteoid Roots of White Lupin Grown with Low Phosphorus and Ambient or Elevated Atmospheric CO2 Concentration1. Plant Physiology, 1999, 120, 705-716.	2.3	211
23	Proteoid Roots. Physiology and Development. Plant Physiology, 1999, 121, 317-323.	2.3	210
24	Leaf anatomy enables more equal access to light and CO2 between chloroplasts. New Phytologist, 1999, 143, 93-104.	3.5	206
25	Specific reduction of chloroplast carbonic anhydrase activity by antisense RNA in transgenic tobacco plants has a minor effect on photosynthetic CO2 assimilation. Planta, 1994, 193, 331-340.	1.6	197
26	Temperature response of carbon isotope discrimination and mesophyll conductance in tobacco. Plant, Cell and Environment, 2013, 36, 745-756.	2.8	193
27	Hyperspectral reflectance as a tool to measure biochemical and physiological traits in wheat. Journal of Experimental Botany, 2018, 69, 483-496.	2.4	190
28	Profiles of light absorption and chlorophyll within spinach leaves from chlorophyll fluorescence. Plant, Cell and Environment, 2002, 25, 1313-1323.	2.8	188
29	Construction costs, chemical composition and payback time of high- and low-irradiance leaves. Journal of Experimental Botany, 2006, 57, 355-371.	2.4	181
30	The cyanobacterial CCM as a source of genes for improving photosynthetic CO2 fixation in crop species. Journal of Experimental Botany, 2013, 64, 753-768.	2.4	178
31	The Dependence of Quantum Yield on Wavelength and Growth Irradiance. Functional Plant Biology, 1987, 14, 69.	1.1	169
32	A simple new equation for the reversible temperature dependence of photosynthetic electron transport: a study on soybean leaf. Functional Plant Biology, 2004, 31, 275.	1.1	167
33	Relationship between the inhibition of leaf respiration by light and enhancement of leaf dark respiration following light treatment. Functional Plant Biology, 1998, 25, 437.	1.1	161
34	Partitioning of Nitrogen Between and Within Leaves Grown Under Different Irradiances. Functional Plant Biology, 1989, 16, 533.	1.1	152
35	Acquisition and Diffusion of CO2 in Higher Plant Leaves. Advances in Photosynthesis and Respiration, 2000, , 321-351.	1.0	148
36	Influence of leaf dry mass per area, CO2, and irradiance on mesophyll conductance in sclerophylls. Journal of Experimental Botany, 2009, 60, 2303-2314.	2.4	145

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37	Effects of growth and measurement light intensities on temperature dependence of CO₂assimilation rate in tobacco leaves. Plant, Cell and Environment, 2010, 33, 332-343.	2.8	144
38	Temperature response of mesophyll conductance in cultivated and wild <i>Oryza</i> species with contrasting mesophyll cell wall thickness. Plant, Cell and Environment, 2011, 34, 1999-2008.	2.8	141
39	Specific reduction of chloroplast glyceraldehyde-3-phosphate dehydrogenase activity by antisense RNA reduces CO2 assimilation via a reduction in ribulose bisphosphate regeneration in transgenic tobacco plants. Planta, 1995, 195, 369-378.	1.6	135
40	Reduction of Ribulose Bisphosphate Carboxylase Activase Levels in Tobacco (Nicotiana tabacum) by Antisense RNA Reduces Ribulose Bisphosphate Carboxylase Carbamylation and Impairs Photosynthesis. Plant Physiology, 1993, 102, 1119-1128.	2.3	133
41	Differences between Wheat Genotypes in Specific Activity of Ribulose-1,5-bisphosphate Carboxylase and the Relationship to Photosynthesis. Plant Physiology, 1984, 74, 759-765.	2.3	132
42	Using tunable diode laser spectroscopy to measure carbon isotope discrimination and mesophyll conductance to CO₂ diffusion dynamically at different CO₂ concentrations. Plant, Cell and Environment, 2011, 34, 580-591.	2.8	132
43	Trait correlation networks: a wholeâ€plant perspective on the recently criticized leaf economic spectrum. New Phytologist, 2014, 201, 378-382.	3.5	131
44	Effects of Nitrogen Nutrition on Electron Transport Components and Photosynthesis in Spinach. Functional Plant Biology, 1987, 14, 59.	1.1	129
45	Water and temperature stress define the optimal flowering period for wheat in south-eastern Australia. Field Crops Research, 2017, 209, 108-119.	2.3	127
46	Photosynthetic light-response curves. Planta, 1993, 189, 191.	1.6	126
47	The Solar Action Spectrum of Photosystem II Damage Â Â. Plant Physiology, 2010, 153, 988-993.	2.3	124
48	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 capacities. Planta, 1986, 167, 351-358.	1.6	123
49	Profiles of 14 C fixation through spinach leaves in relation to light absorption and photosynthetic capacity. Plant, Cell and Environment, 2003, 26, 547-560.	2.8	123
50	Leaf mesophyll diffusion conductance in 35 Australian sclerophylls covering a broad range of foliage structural and physiological variation. Journal of Experimental Botany, 2009, 60, 2433-2449.	2.4	121
51	Light and CO2 do not affect the mesophyll conductance to CO2 diffusion in wheat leaves. Journal of Experimental Botany, 2009, 60, 2291-2301.	2.4	117
52	Growth of the C4 dicot Flaveria bidentis: photosynthetic acclimation to low light through shifts in leaf anatomy and biochemistry. Journal of Experimental Botany, 2010, 61, 4109-4122.	2.4	116
53	Enhancing C3 Photosynthesis. Plant Physiology, 2010, 154, 589-592.	2.3	113
54	Carbon dioxide and water transport through plant aquaporins. Plant, Cell and Environment, 2017, 40, 938-961.	2.8	112

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55	Highâ€resolution temperature responses of leaf respiration in snow gum (<i><scp>E</scp>ucalyptus) Tj ETQq1 1 0.784314 rgBT /Ove 2013, 36, 1268-1284.	2.8	107
56	The Relationship Between Electron Transport Components and Photosynthetic Capacity in Pea Leaves Grown at Different Irradiances. Functional Plant Biology, 1987, 14, 157.	1.1	106
57	A comment on the quantitative significance of aerobic methane release by plants. Functional Plant Biology, 2006, 33, 521.	1.1	103
58	The relationship between CO2-assimilation rate, Rubisco carbamylation and Rubisco activase content in activase-deficient transgenic tobacco suggests a simple model of activase action. Planta, 1996, 198, 604-613.	1.6	101
59	Photosynthetic Acclimation and Nitrogen Partitioning Within a Lucerne Canopy. I. Canopy Characteristics. Functional Plant Biology, 1993, 20, 55.	1.1	100
60	Nitrogen in cell walls of sclerophyllous leaves accounts for little of the variation in photosynthetic nitrogenâ€use efficiency. Plant, Cell and Environment, 2009, 32, 259-270.	2.8	97
61	Online <scp>CO</scp>₂ and H₂O oxygen isotope fractionation allows estimation of mesophyll conductance in C₄ plants, and reveals that mesophyll conductance decreases as leaves age in both C₄ and C₃ plants. New Phytologist, 2016, 210, 875-889.	3.5	95
62	Acclimation by the Thylakoid Membranes to Growth Irradiance and the Partitioning of Nitrogen Between Soluble and Thylakoid Proteins. Functional Plant Biology, 1988, 15, 93.	1.1	92
63	Leafâ€level photosynthetic capacity in lowland Amazonian and highâ€elevation Andean tropical moist forests of Peru. New Phytologist, 2017, 214, 1002-1018.	3.5	89
64	Growth and nutritive value of cassava (<i>Manihot esculenta</i> Cranz.) are reduced when grown in elevated CO₂. Plant Biology, 2009, 11, 76-82.	1.8	88
65	Changes in the Photosynthetic Properties of Australian Wheat Cultivars Over the Last Century. Functional Plant Biology, 1994, 21, 169.	1.1	85
66	The response of fast- and slow-growing Acacia species to elevated atmospheric CO 2 : an analysis of the underlying components of relative growth rate. Oecologia, 1999, 120, 544-554.	0.9	85
67	Dual-purpose cereals: can the relative influences of management and environment on crop recovery and grain yield be dissected?. Crop and Pasture Science, 2011, 62, 930.	0.7	84
68	Strong thermal acclimation of photosynthesis in tropical and temperate wetâ€forest tree species: the importance of altered Rubisco content. Global Change Biology, 2017, 23, 2783-2800.	4.2	84
69	Is a Low Internal Conductance to CO2 Diffusion a Consequence of Succulence in Plants with Crassulacean Acid Metabolism?. Functional Plant Biology, 1997, 24, 777.	1.1	76
70	AusTraits, a curated plant trait database for the Australian flora. Scientific Data, 2021, 8, 254.	2.4	73
71	Mesophyll conductance: walls, membranes and spatial complexity. New Phytologist, 2021, 229, 1864-1876.	3.5	72
72	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. Plant, Cell and Environment, 2017, 40, 1576-1591.	2.8	71

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73	Photosynthesis within isobilateral Eucalyptus pauciflora leaves. New Phytologist, 2006, 171, 771-782.	3.5	69
74	Stomatal crypts may facilitate diffusion of CO₂ to adaxial mesophyll cells in thick sclerophylls. Plant, Cell and Environment, 2009, 32, 1596-1611.	2.8	69
75	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?. Journal of Experimental Botany, 2010, 61, 3015-3028.	2.4	67
76	Phosphorus availability and elevated CO 2 affect biological nitrogen fixation and nutrient fluxes in a cloverâ€dominated sward. New Phytologist, 2006, 169, 157-167.	3.5	66
77	Fast winter wheat phenology can stabilise flowering date and maximise grain yield in semi-arid Mediterranean and temperate environments. Field Crops Research, 2018, 223, 12-25.	2.3	66
78	Photosynthesis is strongly reduced by antisense suppression of chloroplastic cytochrome bf complex in transgenic tobacco. Functional Plant Biology, 1998, 25, 445.	1.1	60
79	Phosphorus acquisition from soil by white lupin (Lupinus albus L.) and soybean (Glycine max L.), species with contrasting root development. Plant and Soil, 2003, 248, 271-283.	1.8	60
80	Functional Analysis of Corn Husk Photosynthesis Â. Plant Physiology, 2011, 156, 503-513.	2.3	59
81	Embracing 3D Complexity in Leaf Carbonâ€“Water Exchange. Trends in Plant Science, 2019, 24, 15-24.	4.3	55
82	Variation in the components of relative growth rate in 10 Acacia species from contrasting environments. Plant, Cell and Environment, 1998, 21, 1007-1017.	2.8	54
83	Predicting dark respiration rates of wheat leaves from hyperspectral reflectance. Plant, Cell and Environment, 2019, 42, 2133-2150.	2.8	54
84	Stomatal, mesophyll conductance, and biochemical limitations to photosynthesis during induction. Plant Physiology, 2021, 185, 146-160.	2.3	53
85	Effects of reduced carbonic anhydrase activity on CO₂assimilation rates in<i>Setaria viridis</i>: a transgenic analysis. Journal of Experimental Botany, 2017, 68, 299-310.	2.4	52
86	Grazing winter wheat relieves plant water stress and transiently enhances photosynthesis. Functional Plant Biology, 2010, 37, 726.	1.1	51
87	Nitrogen fertilization enhances water-use efficiency in a saline environment. Plant, Cell and Environment, 2010, 33, 344-357.	2.8	50
88	Potential Errors in Electron Transport Rates Calculated from Chlorophyll Fluorescence as Revealed by a Multilayer Leaf Model. Plant and Cell Physiology, 2009, 50, 698-706.	1.5	49
89	From green to gold: agricultural revolution for food security. Journal of Experimental Botany, 2020, 71, 2211-2215.	2.4	49
90	PrometheusWiki Gold Leaf Protocol: gas exchange using LI-COR 6400. Functional Plant Biology, 2014, 41, 223.	1.1	48

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91	Genetic variation for photosynthetic capacity and efficiency in spring wheat. Journal of Experimental Botany, 2020, 71, 2299-2311.	2.4	48
92	Chloroplast Cytochrome b6/f and ATP Synthase Complexes in Tobacco: Transformation With Antisense RNA Against Nuclear-Encoded Transcripts for the Rieske FeS and ATPÎ´ Polypeptides. Functional Plant Biology, 1995, 22, 285.	1.1	47
93	Rubisco: the consequences of altering its expression and activation in transgenic plants. Journal of Experimental Botany, 1995, 46, 1293-1300.	2.4	47
94	Recovery dynamics of rainfed winter wheat after livestock grazing 1. Growth rates, grain yields, soil water use and water-use efficiency. Crop and Pasture Science, 2011, 62, 947.	0.7	47
95	Recovery dynamics of rainfed winter wheat after livestock grazing 2. Light interception, radiation-use efficiency and dry-matter partitioning. Crop and Pasture Science, 2011, 62, 960.	0.7	47
96	Using a mathematical framework to examine physiological changes in winter wheat after livestock grazing. Field Crops Research, 2012, 136, 116-126.	2.3	47
97	Effects of elevated atmospheric CO2, cutting frequency, and differential day/night atmospheric warming on root growth and turnover of Phalaris swards. Global Change Biology, 2007, 13, 1040-1052.	4.2	46
98	Using a mathematical framework to examine physiological changes in winter wheat after livestock grazing. Field Crops Research, 2012, 136, 127-137.	2.3	46
99	Genetic gains in NSW wheat cultivars from 1901 to 2014 as revealed from synchronous flowering during the optimum period. European Journal of Agronomy, 2018, 98, 1-13.	1.9	46
100	The specific activity of ribulose-1,5-bisphosphate carboxylase in relation to genotype in wheat. Planta, 1986, 167, 344-350.	1.6	45
101	Developmental Constraints on Photosynthesis: Effects of Light and Nutrition. , 1996, , 281-304.		42
102	Photoinhibition of Photosynthesis in situ in Six Species of Eucalyptus. Functional Plant Biology, 1992, 19, 223.	1.1	39
103	Chloroplast to Leaf. Ecological Studies, 2004, , 15-41.	0.4	39
104	Effects of mesophyll conductance on vegetation responses to elevated CO₂ concentrations in a land surface model. Global Change Biology, 2019, 25, 1820-1838.	4.2	38
105	Carbon Fixation Profiles Do Reflect Light Absorption Profiles in Leaves. Functional Plant Biology, 1995, 22, 865.	1.1	37
106	Biochemical model of C₃ photosynthesis applied to wheat at different temperatures. Plant, Cell and Environment, 2017, 40, 1552-1564.	2.8	37
107	Antisense reductions in the PsbO protein of photosystem II leads to decreased quantum yield but similar maximal photosynthetic rates. Journal of Experimental Botany, 2012, 63, 4781-4795.	2.4	36
108	Drought increases heat tolerance of leaf respiration in Eucalyptus globulus saplings grown under both ambient and elevated atmospheric [CO2] and temperature. Journal of Experimental Botany, 2014, 65, 6471-6485.	2.4	34

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109	N2 fixation by Acacia species increases under elevated atmospheric CO2. Plant, Cell and Environment, 2002, 25, 567-579.	2.8	33
110	Association between water and carbon dioxide transport in leaf plasma membranes: assessing the role of aquaporins. Plant, Cell and Environment, 2017, 40, 789-801.	2.8	32
111	Chapter 8 Nitrogen and Water Use Efficiency of C4 Plants. Advances in Photosynthesis and Respiration, 2010, , 129-146.	1.0	31
112	Absolute absorption and relative fluorescence excitation spectra of the five major chlorophyll-protein complexes from spinach thylakoid membranes. Biochimica Et Biophysica Acta - Bioenergetics, 1987, 892, 75-82.	0.5	30
113	Mesophyll conductance does not contribute to greater photosynthetic rate per unit nitrogen in temperate compared with tropical evergreen wetâ€forest tree leaves. New Phytologist, 2018, 218, 492-505.	3.5	30
114	The impact of elevated atmospheric CO2 and nitrate supply on growth, biomass allocation, nitrogen partitioning and N2 fixation of Acacia melanoxylon. Functional Plant Biology, 1999, 26, 737.	1.1	28
115	Enhancing Photosynthesis. Plant Physiology, 2011, 155, 19-19.	2.3	28
116	Light Quality Affects Chloroplast Electron Transport Rates Estimated from Chl Fluorescence Measurements. Plant and Cell Physiology, 2017, 58, 1652-1660.	1.5	28
117	A Decrease in Mesophyll Conductance by Cell-Wall Thickening Contributes to Photosynthetic Downregulation. Plant Physiology, 2020, 183, 1600-1611.	2.3	28
118	Genome-wide identification and characterisation of Aquaporins in Nicotiana tabacum and their relationships with other Solanaceae species. BMC Plant Biology, 2020, 20, 266.	1.6	27
119	Wheat physiology predictor: predicting physiological traits in wheat from hyperspectral reflectance measurements using deep learning. Plant Methods, 2021, 17, 108.	1.9	27
120	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. Field Crops Research, 2020, 255, 107870.	2.3	25
121	Does greater nightâ€time, rather than constant, warming alter growth of managed pasture under under ambient and elevated atmospheric CO 2 ?. New Phytologist, 2004, 162, 397-411.	3.5	24
122	Resolving methane fluxes. New Phytologist, 2007, 175, 1-4.	3.5	24
123	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 BaÃ±os, Philippines. Makati City (Philippines): International Rice Research Institute and Amsterdam (The Netherlands): Elsevier Science B.V. 293 p.. Studies in Plant Science, 2000, , 53-71.	0.5	23
124	Changes in Nutritional Value of Cyanogenic Trifolium repens Grown at Elevated Atmospheric CO2. Journal of Chemical Ecology, 2009, 35, 476-478.	0.9	23
125	A reporting format for leaf-level gas exchange data and metadata. Ecological Informatics, 2021, 61, 101232.	2.3	22
126	Genotype Ã— management strategies to stabilise the flowering time of wheat in the south-eastern Australian wheatbelt. Crop and Pasture Science, 2018, 69, 547.	0.7	21

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127	A unique web resource for physiology, ecology and the environmental sciences: PrometheusWiki. Functional Plant Biology, 2010, 37, 687.	1.1	20
128	Food security requires genetic advances to increase farm yields. Nature, 2010, 464, 831-831.	13.7	19
129	Deep Soil Water-Use Determines the Yield Benefit of Long-Cycle Wheat. Frontiers in Plant Science, 2020, 11, 548.	1.7	19
130	Uncovering candidate genes involved in photosynthetic capacity using unexplored genetic variation in Spring Wheat. Plant Biotechnology Journal, 2021, 19, 1537-1552.	4.1	19
131	Effects of water availability, nitrogen supply and atmospheric CO2 concentrations on plant nitrogen natural abundance values. Functional Plant Biology, 2006, 33, 219.	1.1	17
132	Phosphorus status determines biomass response to elevated CO2 in a legume : C4 grass community. Global Change Biology, 2005, 11, 051013014052003-???.	4.2	14
133	The apparent temperature response of leaf respiration depends on the timescale of measurements: a study of two cold climate species. Plant Biology, 2008, 10, 185-193.	1.8	13
134	Exploiting transplastomically modified Rubisco to rapidly measure natural diversity in its carbon isotope discrimination using tuneable diode laser spectroscopy. Journal of Experimental Botany, 2014, 65, 3759-3767.	2.4	13
135	Effects of growth temperature on photosynthetic gas exchange characteristics and hydraulic anatomy in leaves of two cold-climate Poa species. Functional Plant Biology, 2011, 38, 54.	1.1	12
136	Effect of leaf temperature on the estimation of photosynthetic and other traits of wheat leaves from hyperspectral reflectance. Journal of Experimental Botany, 2021, 72, 1271-1281.	2.4	12
137	Chloroplast to Leaf. Ecological Studies, 2004, , 107-132.	0.4	10
138	Phosphorus deficiency alters scaling relationships between leaf gas exchange and associated traits in a wide range of contrasting Eucalyptus species. Functional Plant Biology, 2018, 45, 813.	1.1	10
139	Mesophyll conductance is unaffected by expression of Arabidopsis <i>PIP1</i> aquaporins in the plasmalemma of <i>Nicotiana</i>. Journal of Experimental Botany, 2022, 73, 3625-3636.	2.4	10
140	Phenotypic variation in photosynthetic traits in wheat grown under field versus glasshouse conditions. Journal of Experimental Botany, 2022, 73, 3221-3237.	2.4	9
141	Contrasting anatomical and biochemical controls on mesophyll conductance across plant functional types. New Phytologist, 2022, 236, 357-368.	3.5	8
142	Internal transport of CO₂ from the rootâ€zone to plant shoot is pH dependent. Physiologia Plantarum, 2019, 165, 451-463.	2.6	7
143	A consensus on the Aquaporin Gene Family in the Allotetraploid Plant, Nicotiana tabacum. Plant Direct, 2021, 5, e00321.	0.8	6
144	Effect of N supply on the carbon economy of barley when accounting for plant size. Functional Plant Biology, 2020, 47, 368.	1.1	6

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145	Effects of elevated atmospheric CO₂concentrations, clipping regimen and differential day/night atmospheric warming on tissue nitrogen concentrations of a perennial pasture grass. AoB PLANTS, 2015, 7, plv094.	1.2	4
146	Wah Soon Chow, a teacher, a friend and a colleague. Photosynthesis Research, 2021, 149, 253-258.	1.6	2
147	Phosphorus acquisition from soil by white lupin (Lupinus albus L.) and soybean (Glycine max L.), species with contrasting root development. , 2003, , 271-283.		2
148	Temperature responses of photosynthesis and respiration in a sub-Antarctic megaherb from Heard Island. Functional Plant Biology, 2015, 42, 552.	1.1	1
149	Measurement of Mesophyll Conductance in Tobacco, Arabidopsis and Wheat Leaves with Tunable Diode Laser Absorption Spectroscopy. Advanced Topics in Science and Technology in China, 2013, , 751-755.	0.0	1
150	Photosynthetic characteristics of 10 Acacia species grown under ambient and elevated atmospheric CO2. Australian Journal of Zoology, 2000, 48, .	0.6	1
151	Carbon Dioxide Diffusion Inside C3 Leaves. , 1998, , 3463-3466.		1