

Ichiro TERASHIMA

List of Publications by Year in descending order

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158
papers

13,274
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17405

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#	ARTICLE	IF	CITATIONS
1	A new method for separate evaluation of PSII with inactive oxygen evolving complex and active D1 by the pulse-amplitude modulated chlorophyll fluorometry. <i>Functional Plant Biology</i> , 2022, 49, 542-553.	1.1	4
2	Mixed population hypothesis of the active and inactive PSII complexes opens a new door for photoinhibition and fluorescence studies: an ecophysiological perspective. <i>Functional Plant Biology</i> , 2022, 49, 917-925.	1.1	5
3	Effects of root morphology, respiration and carboxylate exudation on carbon economy in two non-mycorrhizal lupines under phosphorus deficiency. <i>Plant, Cell and Environment</i> , 2021, 44, 598-612.	2.8	12
4	The effect of different spectral light quality on the photoinhibition of Photosystem I in intact leaves. <i>Photosynthesis Research</i> , 2021, 149, 83-92.	1.6	13
5	Antimalarial Quinacrine and Chloroquine Lose Their Activity by Decreasing Cationic Amphiphilic Structure with a Slight Decrease in pH. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3885-3896.	2.9	7
6	Overexpression of both Rubisco and Rubisco activase rescues rice photosynthesis and biomass under heat stress. <i>Plant, Cell and Environment</i> , 2021, 44, 2308-2320.	2.8	63
7	Photosystem I in low light-grown leaves of <i>Alocasia odora</i> , a shade-tolerant plant, is resistant to fluctuating light-induced photoinhibition. <i>Photosynthesis Research</i> , 2021, 149, 69-82.	1.6	9
8	Far-Red Light Accelerates Photosynthesis in the Low-Light Phases of Fluctuating Light. <i>Plant and Cell Physiology</i> , 2020, 61, 192-202.	1.5	35
9	Increased Cuticle Permeability Caused by a New Allele of <i>ACETYL-COA CARBOXYLASE1</i> Enhances CO ₂ Uptake. <i>Plant Physiology</i> , 2020, 184, 1917-1926.	2.3	1
10	Increased stomatal conductance induces rapid changes to photosynthetic rate in response to naturally fluctuating light conditions in rice. <i>Plant, Cell and Environment</i> , 2020, 43, 1230-1240.	2.8	130
11	A Decrease in Mesophyll Conductance by Cell-Wall Thickening Contributes to Photosynthetic Downregulation. <i>Plant Physiology</i> , 2020, 183, 1600-1611.	2.3	28
12	Improved stomatal opening enhances photosynthetic rate and biomass production in fluctuating light. <i>Journal of Experimental Botany</i> , 2020, 71, 2339-2350.	2.4	98
13	Mitochondrial AOX Supports Redox Balance of Photosynthetic Electron Transport, Primary Metabolite Balance, and Growth in <i>Arabidopsis thaliana</i> under High Light. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3067.	1.8	21
14	Whole Irradiated Plant Leaves Showed Faster Photosynthetic Induction Than Individually Irradiated Leaves via Improved Stomatal Opening. <i>Frontiers in Plant Science</i> , 2019, 10, 1512.	1.7	21
15	Elevated CO ₂ -induced changes in mesophyll conductance and anatomical traits in wild type and carbohydrate-metabolism mutants of <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2019, 70, 4807-4818.	2.4	18
16	Confirmation of mesophyll signals controlling stomatal responses by a newly devised transplanting method. <i>Functional Plant Biology</i> , 2019, 46, 467.	1.1	17
17	Effects of instantaneous and growth CO ₂ levels and abscisic acid on stomatal and mesophyll conductances. <i>Plant, Cell and Environment</i> , 2019, 42, 1257-1269.	2.8	23
18	Interspecific differences in how sink-source imbalance causes photosynthetic downregulation among three legume species. <i>Annals of Botany</i> , 2019, 123, 715-726.	1.4	25

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19	Intra-specific trends of lumen and wall resistivities of vessels within the stem xylem vary among three woody plants. <i>Tree Physiology</i> , 2018, 38, 223-231.	1.4	6
20	Sinkâ€“Source Balance and Down-Regulation of Photosynthesis in <i>Raphanus sativus</i> : Effects of Grafting, N and CO ₂ . <i>Plant and Cell Physiology</i> , 2017, 58, 2043-2056.	1.5	25
21	Photoprotection of PSI by Far-Red Light Against the Fluctuating Light-Induced Photoinhibition in <i>Arabidopsis thaliana</i> and Field-Grown Plants. <i>Plant and Cell Physiology</i> , 2017, 58, pcw215.	1.5	43
22	Elucidation of Photoprotective Mechanisms of PSI Against Fluctuating Light photoinhibition. <i>Plant and Cell Physiology</i> , 2016, 57, pcw103.	1.5	41
23	Structures of Bordered Pits Potentially Contributing to Isolation of a Refilled Vessel from Negative Xylem Pressure in Stems of <i>Morus australis</i> Poir.: Testing of the Pit Membrane Osmosis and Pit Valve Hypotheses. <i>Plant and Cell Physiology</i> , 2016, 58, pcw196.	1.5	7
24	Spatio-temporal variations in photosynthesis. <i>Journal of Plant Research</i> , 2016, 129, 295-298.	1.2	4
25	Local Anesthetics and Antipsychotic Phenothiazines Interact Nonspecifically with Membranes and Inhibit Hexose Transporters in Yeast. <i>Genetics</i> , 2016, 202, 997-1012.	1.2	14
26	Enhanced leaf photosynthesis as a target to increase grain yield: insights from transgenic rice lines with variable Rieske FeS protein content in the cytochrome <i>b₆/f</i> complex. <i>Plant, Cell and Environment</i> , 2016, 39, 80-87.	2.8	125
27	Light environment within a leaf. II. Progress in the past one-third century. <i>Journal of Plant Research</i> , 2016, 129, 353-363.	1.2	26
28	Mitochondrial Alternative Pathway-Associated Photoprotection of Photosystem II is Related to the Photorespiratory Pathway. <i>Plant and Cell Physiology</i> , 2016, 57, pcw036.	1.5	40
29	Homeostasis of the temperature sensitivity of respiration over a range of growth temperatures indicated by a modified Arrhenius model. <i>New Phytologist</i> , 2015, 207, 34-42.	3.5	27
30	Manipulation of the hypocotyl sink activity by reciprocal grafting of two <i>Raphanus sativus</i> varieties: its effects on morphological and physiological traits of source leaves and wholeâ€“plant growth. <i>Plant, Cell and Environment</i> , 2015, 38, 2629-2640.	2.8	32
31	Comparison of the response to phosphorus deficiency in two lupin species, <i>Lupinus albus</i> and <i>L. angustifolius</i> , with contrasting root morphology. <i>Plant, Cell and Environment</i> , 2015, 38, 399-410.	2.8	27
32	Roles of gibberellins and cytokinins in regulation of morphological and physiological traits in <i>Polygonum cuspidatum</i> responding to light and nitrogen availabilities. <i>Functional Plant Biology</i> , 2015, 42, 397.	1.1	21
33	Effects of Elevated Atmospheric CO ₂ on Primary Metabolite Levels in <i>Arabidopsis thaliana</i> Col-0 Leaves: An Examination of Metabolome Data. <i>Plant and Cell Physiology</i> , 2015, 56, pcv125.	1.5	26
34	Rate Constants of PSII Photoinhibition and its Repair, and PSII Fluorescence Parameters in Field Plants in Relation to their Growth Light Environments. <i>Plant and Cell Physiology</i> , 2015, 56, 1841-1854.	1.5	26
35	Mesophyll conductance decreases in the wild type but not in an ABAâ€“deficient mutant (<i>aba1</i>) of <i>Nicotiana glauca</i> under drought conditions. <i>Plant, Cell and Environment</i> , 2015, 38, 388-398.	2.8	55
36	Tetracaine, a local anesthetic, preferentially induces translational inhibition with processing body formation rather than phosphorylation of eIF2 β in yeast. <i>Current Genetics</i> , 2015, 61, 43-53.	0.8	6

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37	Plant Responses to CO ₂ : Background and Perspectives. <i>Plant and Cell Physiology</i> , 2014, 55, 237-240.	1.5	29
38	Overexpression of plasma membrane H ⁺ -ATPase in guard cells promotes light-induced stomatal opening and enhances plant growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 533-538.	3.3	179
39	Plant Responses to CO ₂ : Background and Perspectives. <i>Plant and Cell Physiology</i> , 2014, 55, 666-666.	1.5	0
40	High CO ₂ Triggers Preferential Root Growth of <i>Arabidopsis thaliana</i> Via Two Distinct Systems Under Low pH and Low N Stresses. <i>Plant and Cell Physiology</i> , 2014, 55, 269-280.	1.5	68
41	¹³⁴ Cs and ¹³⁷ Cs levels in a grassland, 32 km northwest of the Fukushima 1 Nuclear Power Plant, measured for two seasons after the fallout. <i>Journal of Plant Research</i> , 2014, 127, 43-50.	1.2	13
42	Roles of the Cyclic Electron Flow Around PSI (CEF-PSI) and O ₂ -Dependent Alternative Pathways in Regulation of the Photosynthetic Electron Flow in Short-Term Fluctuating Light in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2014, 55, 990-1004.	1.5	204
43	Effects of Elevated CO ₂ on Levels of Primary Metabolites and Transcripts of Genes Encoding Respiratory Enzymes and Their Diurnal Patterns in <i>Arabidopsis thaliana</i> : Possible Relationships with Respiratory Rates. <i>Plant and Cell Physiology</i> , 2014, 55, 341-357.	1.5	75
44	Long-term and short-term responses of the photosynthetic electron transport to fluctuating light. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 137, 89-99.	1.7	118
45	Apoplastic mesophyll signals induce rapid stomatal responses to CO ₂ in <i>C. ommelina communis</i> . <i>New Phytologist</i> , 2013, 199, 395-406.	3.5	77
46	Nitrate Addition Alleviates Ammonium Toxicity Without Lessening Ammonium Accumulation, Organic Acid Depletion and Inorganic Cation Depletion in <i>Arabidopsis thaliana</i> Shoots. <i>Plant and Cell Physiology</i> , 2012, 53, 577-591.	1.5	151
47	Cost and benefit of the repair of photodamaged photosystem II in spinach leaves: roles of acclimation to growth light. <i>Photosynthesis Research</i> , 2012, 113, 165-180.	1.6	38
48	Co-ordinated development of the leaf midrib xylem with the lamina in <i>Nicotiana tabacum</i> . <i>Annals of Botany</i> , 2012, 110, 35-45.	1.4	14
49	Optimum leaf size predicted by a novel leaf energy balance model incorporating dependencies of photosynthesis on light and temperature. <i>Ecological Research</i> , 2012, 27, 333-346.	0.7	37
50	Preservation of integrity and activity of <i>Haberlea rhodopensis</i> photosynthetic apparatus during prolonged light deprivation. <i>Physiologia Plantarum</i> , 2012, 146, 121-128.	2.6	4
51	S4 Protein Sll1252 Is Necessary for Energy Balancing in Photosynthetic Electron Transport in <i>Synechocystis</i> sp. PCC 6803. <i>Biochemistry</i> , 2011, 50, 329-339.	1.2	5
52	Operation of dual mechanisms that both lead to photoinactivation of Photosystem II in leaves by visible light. <i>Physiologia Plantarum</i> , 2011, 142, 47-55.	2.6	67
53	Distinct responses of the mitochondrial respiratory chain to long- and short-term high-light environments in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2011, 34, 618-628.	2.8	65
54	Physiological impact of mitochondrial alternative oxidase on photosynthesis and growth in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2011, 34, 1890-1899.	2.8	53

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55	Intra-leaf gradients of photoinhibition induced by different color lights: implications for the dual mechanisms of photoinhibition and for the application of conventional chlorophyll fluorometers. <i>New Phytologist</i> , 2011, 191, 146-159.	3.5	106
56	Patterns of photoassimilate translocation to reproductive shoots from adjacent shoots in <i>Camellia sasanqua</i> by manipulation of sink-source balance between the shoots. <i>Journal of Plant Research</i> , 2011, 124, 131-136.	1.2	7
57	Structural analysis of compounds with actions similar to local anesthetics and antipsychotic phenothiazines in yeast. <i>Yeast</i> , 2011, 28, 391-404.	0.8	12
58	Leaf Functional Anatomy in Relation to Photosynthesis. <i>Plant Physiology</i> , 2011, 155, 108-116.	2.3	497
59	How and why does mitochondrial respiratory chain respond to light?. <i>Plant Signaling and Behavior</i> , 2011, 6, 864-866.	1.2	24
60	Photosynthesis-Dependent and -Independent Responses of Stomata to Blue, Red and Green Monochromatic Light: Differences Between the Normally Oriented and Inverted Leaves of Sunflower. <i>Plant and Cell Physiology</i> , 2011, 52, 479-489.	1.5	52
61	Effect of nitrogen nutrition on the carbohydrate repression of photosynthesis in leaves of <i>Phaseolus vulgaris</i> L. <i>Journal of Plant Research</i> , 2010, 123, 371-379.	1.2	46
62	Ammonium-dependent respiratory increase is dependent on the cytochrome pathway in <i>Arabidopsis thaliana</i> shoots. <i>Plant, Cell and Environment</i> , 2010, 33, 1888-1897.	2.8	47
63	Effects of AOX1a Deficiency on Plant Growth, Gene Expression of Respiratory Components and Metabolic Profile Under Low-Nitrogen Stress in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2010, 51, 810-822.	1.5	53
64	Simultaneous Determination of In Vivo Plastoquinone and Ubiquinone Redox States by HPLC-Based Analysis. <i>Plant and Cell Physiology</i> , 2010, 51, 836-841.	1.5	39
65	Phenotypic Plasticity in Photosynthetic Temperature Acclimation among Crop Species with Different Cold Tolerances. <i>Plant Physiology</i> , 2009, 152, 388-399.	2.3	155
66	The Involvement of Dual Mechanisms of Photoinactivation of Photosystem II in <i>Capsicum annuum</i> L. Plants. <i>Plant and Cell Physiology</i> , 2009, 50, 1815-1825.	1.5	59
67	Cold-Tolerant Crop Species Have Greater Temperature Homeostasis of Leaf Respiration and Photosynthesis Than Cold-Sensitive Species. <i>Plant and Cell Physiology</i> , 2009, 50, 203-215.	1.5	88
68	Maintenance mechanisms of the pipe model relationship and Leonardo da Vinci's rule in the branching architecture of <i>Acer rufinerve</i> trees. <i>Journal of Plant Research</i> , 2009, 122, 41-52.	1.2	24
69	Green Light Drives Leaf Photosynthesis More Efficiently than Red Light in Strong White Light: Revisiting the Enigmatic Question of Why Leaves are Green. <i>Plant and Cell Physiology</i> , 2009, 50, 684-697.	1.5	549
70	Resistances along the CO ₂ diffusion pathway inside leaves. <i>Journal of Experimental Botany</i> , 2009, 60, 2235-2248.	2.4	492
71	Manipulation of light and CO ₂ environments of the primary leaves of bean (<i>Phaseolus</i>) of systemic regulation. <i>Plant, Cell and Environment</i> , 2008, 31, 50-61.	2.8	30
72	Non-photochemical loss in PSII in high- and low-light-grown leaves of <i>Vicia faba</i> quantified by several fluorescence parameters including L _{NP} , a novel parameter. <i>Physiologia Plantarum</i> , 2008, 133, 327-338.	2.6	29

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73	Leaf angle in <i>Chenopodium album</i> is determined by two processes: induction and cessation of petiole curvature. <i>Plant, Cell and Environment</i> , 2008, 31, 1138-1146.	2.8	5
74	The lack of alternative oxidase at low temperature leads to a disruption of the balance in carbon and nitrogen metabolism, and to an up-regulation of antioxidant defence systems in <i>Arabidopsis thaliana</i> leaves. <i>Plant, Cell and Environment</i> , 2008, 31, 1190-1202.	2.8	123
75	Distinct light responses of the adaxial and abaxial stomata in intact leaves of <i>Helianthus annuus</i> L. <i>Plant, Cell and Environment</i> , 2008, 31, 1307-1316.	2.8	60
76	The chloroplast avoidance response decreases internal conductance to CO ₂ diffusion in <i>Arabidopsis thaliana</i> leaves. <i>Plant, Cell and Environment</i> , 2008, 31, 1688-1700.	2.8	144
77	The Role of Electron Transport in Determining the Temperature Dependence of the Photosynthetic Rate in Spinach Leaves Grown at Contrasting Temperatures. <i>Plant and Cell Physiology</i> , 2008, 49, 583-591.	1.5	56
78	Relationships Between Quantum Yield for CO ₂ Assimilation, Activity of Key Enzymes and CO ₂ Leakiness in <i>Amaranthus cruentus</i> , a C ₄ Dicot, Grown in High or Low Light. <i>Plant and Cell Physiology</i> , 2008, 49, 19-29.	1.5	68
79	Conservative Decrease in Water Potential in Existing Leaves during New Leaf Expansion in Temperate and Tropical Evergreen <i>Quercus</i> Species. <i>Annals of Botany</i> , 2007, 100, 1229-1238.	1.4	2
80	Up-Regulation of Mitochondrial Alternative Oxidase Concomitant with Chloroplast Over-Reduction by Excess Light. <i>Plant and Cell Physiology</i> , 2007, 48, 606-614.	1.5	191
81	Effects of polyploidy on photosynthetic properties and anatomy in leaves of <i>Phlox drummondii</i> . <i>Functional Plant Biology</i> , 2007, 34, 673.	1.1	63
82	Increase in respiratory cost at high growth temperature is attributed to high protein turnover cost in <i>Petunia × hybrida</i> petals. <i>Plant, Cell and Environment</i> , 2007, 30, 1269-1283.	2.8	50
83	Effects of Carbohydrate Accumulation on Photosynthesis Differ between Sink and Source Leaves of <i>Phaseolus vulgaris</i> L.. <i>Plant and Cell Physiology</i> , 2006, 47, 644-652.	1.5	96
84	Effects of Eupatorium yellow vein virus infection on photosynthetic rate, chlorophyll content and chloroplast structure in leaves of <i>Eupatorium makinoi</i> during leaf development. <i>Functional Plant Biology</i> , 2006, 33, 165.	1.1	22
85	Distinct Roles of the Cytochrome Pathway and Alternative Oxidase in Leaf Photosynthesis. <i>Plant and Cell Physiology</i> , 2006, 47, 22-31.	1.5	112
86	Effects of growth light and nitrogen nutrition on the organization of the photosynthetic apparatus in leaves of a C ₄ plant, <i>Amaranthus cruentus</i> . <i>Plant, Cell and Environment</i> , 2006, 29, 691-700.	2.8	76
87	Responses of spinach leaf mitochondria to low N availability. <i>Plant, Cell and Environment</i> , 2006, 29, 710-719.	2.8	68
88	Effects of Rubisco kinetics and Rubisco activation state on the temperature dependence of the photosynthetic rate in spinach leaves from contrasting growth temperatures. <i>Plant, Cell and Environment</i> , 2006, 29, 1659-1670.	2.8	189
89	Possible association of actin filaments with chloroplasts of spinach mesophyll cells in vivo and in vitro. <i>Protoplasma</i> , 2006, 229, 45-52.	1.0	32
90	Mechanical and ecophysiological significance of the form of a young <i>Acer rufinerve</i> tree: vertical gradient in branch mechanical properties. <i>Tree Physiology</i> , 2006, 26, 1549-1558.	1.4	12

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91	The Bulk Elastic Modulus and the Reversible Properties of Cell Walls in Developing Quercus Leaves. <i>Plant and Cell Physiology</i> , 2006, 47, 715-725.	1.5	42
92	Irradiance and phenotype: comparative eco-development of sun and shade leaves in relation to photosynthetic CO ₂ diffusion. <i>Journal of Experimental Botany</i> , 2006, 57, 343-354.	2.4	418
93	Effects of Internal Conductance on the Temperature Dependence of the Photosynthetic Rate in Spinach Leaves from Contrasting Growth Temperatures. <i>Plant and Cell Physiology</i> , 2006, 47, 1069-1080.	1.5	145
94	Temperature acclimation of photosynthesis in spinach leaves: analyses of photosynthetic components and temperature dependencies of photosynthetic partial reactions. <i>Plant, Cell and Environment</i> , 2005, 28, 536-547.	2.8	212
95	Dependency of branch diameter growth in young Acer trees on light availability and shoot elongation. <i>Tree Physiology</i> , 2005, 25, 39-48.	1.4	18
96	PsbU Provides a Stable Architecture for the Oxygen-Evolving System in Cyanobacterial Photosystem II. <i>Biochemistry</i> , 2005, 44, 12214-12228.	1.2	52
97	Preface: Structure and Function of Plant Canopies. <i>Annals of Botany</i> , 2004, 95, 481-482.	1.4	4
98	The Arabidopsis Chloroplastic NifU-Like Protein CnfU, Which Can Act as an Iron-Sulfur Cluster Scaffold Protein, Is Required for Biogenesis of Ferredoxin and Photosystem I[W]. <i>Plant Cell</i> , 2004, 16, 993-1007.	3.1	145
99	Construction and Maintenance of the Optimal Photosynthetic Systems of the Leaf, Herbaceous Plant and Tree: an Eco-developmental Treatise. <i>Annals of Botany</i> , 2004, 95, 507-519.	1.4	137
100	Overexpression of the Barley Aquaporin HvPIP2;1 Increases Internal CO ₂ Conductance and CO ₂ Assimilation in the Leaves of Transgenic Rice Plants. <i>Plant and Cell Physiology</i> , 2004, 45, 521-529.	1.5	361
101	Maize Mutants Lacking Chloroplast FtsY Exhibit Pleiotropic Defects in the Biogenesis of Thylakoid Membranes[W]. <i>Plant Cell</i> , 2004, 16, 201-214.	3.1	69
102	Relationships between light, leaf nitrogen and nitrogen remobilization in the crowns of mature evergreen Quercus glauca trees. <i>Tree Physiology</i> , 2004, 24, 1157-1164.	1.4	28
103	Developmental process of sun and shade leaves in Chenopodium album L.. <i>Plant, Cell and Environment</i> , 2004, 27, 781-793.	2.8	96
104	Reversible decreases in the bulk elastic modulus of mature leaves of deciduous Quercus species subjected to two drought treatments. <i>Plant, Cell and Environment</i> , 2004, 27, 863-875.	2.8	58
105	Negative fallout from public sentiment in Japan. <i>Nature Biotechnology</i> , 2004, 22, 943-943.	9.4	3
106	Changes in mesophyll anatomy and sink-source relationships during leaf development in Quercus glauca, an evergreen tree showing delayed leaf greening. <i>Plant, Cell and Environment</i> , 2003, 26, 745-755.	2.8	54
107	The effect of internal Co ₂ conductance on leaf carbon isotope ratio. <i>Isotopes in Environmental and Health Studies</i> , 2003, 39, 5-13.	0.5	30
108	Effects of HgCl ₂ on CO ₂ Dependence of Leaf Photosynthesis: Evidence Indicating Involvement of Aquaporins in CO ₂ Diffusion across the Plasma Membrane. <i>Plant and Cell Physiology</i> , 2002, 43, 70-78.	1.5	196

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109	The effect of growth irradiance on leaf anatomy and photosynthesis in <i>Acer</i> species differing in light demand. <i>Plant, Cell and Environment</i> , 2002, 25, 1021-1030.	2.8	231
110	Costs of protein turnover and carbohydrate export in leaves of sun and shade species. <i>Functional Plant Biology</i> , 2001, 28, 37.	1.1	20
111	Why are Sun Leaves Thicker than Shade Leaves? " Consideration based on Analyses of CO ₂ Diffusion in the Leaf. <i>Journal of Plant Research</i> , 2001, 114, 93-105.	1.2	292
112	Slow development of leaf photosynthesis in an evergreen broad-leaved tree, <i>Castanopsis sieboldii</i> : relationships between leaf anatomical characteristics and photosynthetic rate. <i>Plant, Cell and Environment</i> , 2001, 24, 279-291.	2.8	130
113	CO ₂ transfer conductance, leaf structure and carbon isotope composition of <i>Polygonum cuspidatum</i> leaves from low and high altitudes. <i>Plant, Cell and Environment</i> , 2001, 24, 529-538.	2.8	120
114	Acclimation of leaf respiratory properties in <i>Alocasia odora</i> following reciprocal transfers of plants between high- and low-light environments. <i>Plant, Cell and Environment</i> , 2001, 24, 831-839.	2.8	50
115	Possible Mechanisms of Adaptive Leaf Senescence. <i>Plant Biology</i> , 2001, 3, 234-243.	1.8	88
116	Separate Localization of Light Signal Perception for Sun or Shade Type Chloroplast and Palisade Tissue Differentiation in <i>Chenopodium album</i> . <i>Plant and Cell Physiology</i> , 2001, 42, 1303-1310.	1.5	128
117	Effects of virus infection and light environment on population dynamics of <i>Eupatorium makinoi</i> (Asteraceae). <i>American Journal of Botany</i> , 2001, 88, 616-622.	0.8	17
118	Effects of leaf age on internal CO ₂ transfer conductance and photosynthesis in tree species having different types of shoot phenology. <i>Functional Plant Biology</i> , 2001, 28, 1075.	1.1	26
119	Activities of the cyanide-resistant respiratory pathway in leaves of sun and shade species. <i>Functional Plant Biology</i> , 2001, 28, 27.	1.1	20
120	Contributions of diffusional limitation, photoinhibition and photorespiration to midday depression of photosynthesis in <i>Arisaema heterophyllum</i> in natural high light. <i>Plant, Cell and Environment</i> , 2000, 23, 235-250.	2.8	96
121	Acclimation of leaf characteristics of <i>Fagus</i> species to previous-year and current-year solar irradiances. <i>Tree Physiology</i> , 2000, 20, 945-951.	1.4	87
122	The influence of leaf thickness on the CO ₂ transfer conductance and leaf stable carbon isotope ratio for some evergreen tree species in Japanese warm-temperate forests. <i>Functional Ecology</i> , 1999, 13, 632-639.	1.7	168
123	Effects of geminivirus infection and growth irradiance on the vegetative growth and photosynthetic production of <i>Eupatorium makinoi</i> . <i>New Phytologist</i> , 1999, 142, 483-494.	3.5	15
124	The cause of PSI photoinhibition at low temperatures in leaves of <i>Cucumis sativus</i> , a chilling-sensitive plant. <i>Physiologia Plantarum</i> , 1998, 103, 295-303.	2.6	81
125	Photosynthetic nitrogen-use efficiency in leaves of woody and herbaceous species. <i>Functional Ecology</i> , 1998, 12, 896-905.	1.7	135
126	Slow Leaf Development of Evergreen Broad-leaved Tree Species in Japanese Warm Temperate Forests. <i>Annals of Botany</i> , 1998, 82, 859-869.	1.4	68

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127	Effects of current-year and previous-year PPFs on shoot gross morphology and leaf properties in <i>Fagus japonica</i> . <i>Tree Physiology</i> , 1998, 18, 459-466.	1.4	64
128	Photosynthetic properties of leaves of <i>Eupatorium makinoi</i> infected by a geminivirus. <i>Photosynthesis Research</i> , 1997, 53, 253-261.	1.6	41
129	Different regulation of leaf respiration between <i>Spinacia oleracea</i> , a sun species, and <i>Alocasia odora</i> , a shade species. <i>Physiologia Plantarum</i> , 1997, 101, 1-7.	2.6	5
130	Central Die-back of Monoclonal Stands of <i>Reynoutria japonica</i> in an Early Stage of Primary Succession on Mount Fuji. <i>Annals of Botany</i> , 1996, 77, 477-486.	1.4	127
131	Mechanisms of Central Die-back of <i>Reynoutria japonica</i> in the Volcanic Desert on Mt. Fuji. A Stochastic Model Analysis of Rhizome Growth. <i>Annals of Botany</i> , 1996, 78, 169-179.	1.4	38
132	The Loss of Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase Caused by 24-Hour Rain Treatment Fully Explains the Decrease in the Photosynthetic Rate in Bean Leaves. <i>Plant Physiology</i> , 1996, 111, 635-640.	2.3	18
133	Acclimation of Respiratory Properties of Leaves of <i>Spinacia oleracea</i> L., a Sun Species, and of <i>Alocasia macrorrhiza</i> (L.) G. Don., a Shade Species, to Changes in Growth Irradiance. <i>Plant and Cell Physiology</i> , 1996, 37, 377-384.	1.5	50
134	Interaction between Nitrogen Deficit of a Plant and Nitrogen Content in the Old Leaves. <i>Plant and Cell Physiology</i> , 1996, 37, 1083-1089.	1.5	87
135	Nitrogen translocation via rhizome systems in monoclonal stands of <i>Reynoutria japonica</i> in an oligotrophic desert on Mt Fuji: Field experiments. <i>Ecological Research</i> , 1996, 11, 175-186.	0.7	33
136	Nitrogen Partitioning among Photosynthetic Components and its Consequence in Sun and Shade Plants. <i>Functional Ecology</i> , 1996, 10, 335.	1.7	168
137	Effects of continuous leaf wetness on photosynthesis: adverse aspects of rainfall. <i>Plant, Cell and Environment</i> , 1995, 18, 431-438.	2.8	112
138	A model of the acclimation of photosynthesis in the leaves of C3 plants to sun and shade with respect to nitrogen use. <i>Plant, Cell and Environment</i> , 1995, 18, 605-618.	2.8	365
139	Comparative ecophysiology of leaf and canopy photosynthesis. <i>Plant, Cell and Environment</i> , 1995, 18, 1111-1128.	2.8	359
140	Is Photosynthesis Suppressed at Higher Elevations Due to Low CO ₂ Pressure?. <i>Ecology</i> , 1995, 76, 2663-2668.	1.5	89
141	Effects of Plant Density on Frequency Distributions of Plant Height in <i>Chenopodium album</i> Stands: Analysis Based on Continuous Monitoring of Height-growth of Individual Plants. <i>Annals of Botany</i> , 1995, 75, 173-180.	1.4	54
142	Relationships between Height, Diameter and Weight Distributions of <i>Chenopodium album</i> Plants in Stands: Effects of Dimension and Allometry. <i>Annals of Botany</i> , 1995, 75, 181-188.	1.4	47
143	Destruction of photosystem I iron-sulfur centers in leaves of <i>Cucumis sativus</i> L. by weak illumination at chilling temperatures. <i>FEBS Letters</i> , 1995, 362, 235-238.	1.3	157
144	Effects of leaf age, nitrogen nutrition and photon flux density on the distribution of nitrogen among leaves of a vine (<i>Ipomoea tricolor</i> Cav.) grown horizontally to avoid mutual shading of leaves. <i>Oecologia</i> , 1994, 97, 451-457.	0.9	219

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145	Mechanism of photosystem-I photoinhibition in leaves of <i>Cucumis sativus</i> L.. <i>Planta</i> , 1994, 194, 287-293.	1.6	167
146	Photosynthetic characteristics of a giant alpine plant, <i>Rheum nobile</i> Hook. f. et Thoms. and of some other alpine species measured at 4300 m, in the Eastern Himalaya, Nepal. <i>Oecologia</i> , 1993, 95, 194-201.	0.9	41
147	Anatomy of non-uniform leaf photosynthesis. <i>Photosynthesis Research</i> , 1992, 31, 195-212.	1.6	281
148	The effect of chilling in the light on photophosphorylation. <i>Photosynthesis Research</i> , 1990, 25, 137-139.	1.6	7
149	Cause for Dark, Chilling-Induced Inactivation of Photosynthetic Oxygen-Evolving System in Cucumber Leaves. <i>Plant Physiology</i> , 1990, 93, 1354-1357.	2.3	47
150	Chilling Injury in Mature Leaves of Rice. I. Varietal Differences in the Effects of Chilling on Canopy Photosynthesis Under Simulated 'Dry Cold Dew Wind' Conditions Experienced in South-East China. <i>Functional Plant Biology</i> , 1989, 16, 321.	1.1	21
151	Effects of Leaf Chilling on Thylakoid Functions, Measured at Room Temperature, in <i>Cucumis sativus</i> L. and <i>Oryza sativa</i> L.. <i>Plant and Cell Physiology</i> , 1989, 30, 841-850.	1.5	44
152	Chilling Injury in Mature Leaves of Rice. II. Varietal Differences in the Response to Interactions Between Low Temperature and Light Measured by Chlorophyll Fluorescence at 77k and the Quantum Yield of Photosynthesis. <i>Functional Plant Biology</i> , 1989, 16, 339.	1.1	11
153	Comparisons of photosynthesis and photoinhibition in the CAM vine <i>Hoya australis</i> and several C3 vines growing on the coast of eastern Australia. <i>Plant, Cell and Environment</i> , 1988, 11, 173-181.	2.8	57
154	Effects of Nitrogen Nutrition on Electron Transport Components and Photosynthesis in Spinach. <i>Functional Plant Biology</i> , 1987, 14, 59.	1.1	129
155	Dorsiventrality in Photosynthetic Light Response Curves of a Leaf. <i>Journal of Experimental Botany</i> , 1986, 37, 399-405.	2.4	83
156	A New Model for Leaf Photosynthesis Incorporating the Gradients of Light Environment and of Photosynthetic Properties of Chloroplasts within a Leaf. <i>Annals of Botany</i> , 1985, 56, 489-499.	1.4	181
157	Vertical Gradient in Photosynthetic Properties of Spinach Chloroplast Dependent on Intra-Leaf Light Environment. <i>Plant and Cell Physiology</i> , 1985, 26, 781-785.	1.5	161
158	Light Environment within a Leaf I. Optical Properties of Paradermal Sections of <i>Camellia</i> Leaves with Special Reference to Differences in the Optical Properties of Palisade and Spongy Tissues. <i>Plant and Cell Physiology</i> , 1983, 24, 1493-1501.	1.5	215