

Tracy Lawson

List of Publications by Year in descending order

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Version: 2024-02-01

137
papers

12,315
citations

25034

57
h-index

29157

104
g-index

143
all docs

143
docs citations

143
times ranked

11991
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan mitigates the adverse effects and improves photosynthetic activity in rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 15	1.7	15
2	The role of photosynthesis related pigments in light harvesting, photoprotection and enhancement of photosynthetic yield in planta. <i>Photosynthesis Research</i> , 2022, 152, 23-42.	2.9	79
3	Carbon fixation. , 2022, , 31-58.		2
4	Natural variation in stomatal dynamics drives divergence in heat stress tolerance and contributes to seasonal intrinsic water-use efficiency in <i>Vitis vinifera</i> (subsp. <i>sativa</i>) and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td (<i>	4.1	617
5	Field-grown <i>ictB</i> tobacco transformants show no difference in photosynthetic efficiency for biomass relative to the wild type. <i>Journal of Experimental Botany</i> , 2022, 73, 4897-4907.	4.8	5
6	Stomata on the abaxial and adaxial leaf surfaces contribute differently to leaf gas exchange and photosynthesis in wheat. <i>New Phytologist</i> , 2022, 235, 1743-1756.	7.3	20
7	Into the Shadows and Back into Sunlight: Photosynthesis in Fluctuating Light. <i>Annual Review of Plant Biology</i> , 2022, 73, 617-648.	18.7	66
8	Photosynthesis and crop productivity are enhanced by glucose-functionalised carbon dots. <i>New Phytologist</i> , 2021, 229, 783-790.	7.3	32
9	Chapter 2 Stomatal Responses to Climate Change. <i>Advances in Photosynthesis and Respiration</i> , 2021, , 17-47.	1.0	8
10	The effect of increasing temperature on crop photosynthesis: from enzymes to ecosystems. <i>Journal of Experimental Botany</i> , 2021, 72, 2822-2844.	4.8	182
11	The impact of slow stomatal kinetics on photosynthesis and water use efficiency under fluctuating light. <i>Plant Physiology</i> , 2021, 186, 998-1012.	4.8	71
12	Diverse Physiological and Physical Responses among Wild, Landrace and Elite Barley Varieties Point to Novel Breeding Opportunities. <i>Agronomy</i> , 2021, 11, 921.	3.0	3
13	Guard cell endomembrane Ca ²⁺ -ATPases underpin a "carbon memory" of photosynthetic assimilation that impacts on water-use efficiency. <i>Nature Plants</i> , 2021, 7, 1301-1313.	9.3	28
14	Light, power, action! Interaction of respiratory energy and blue light-induced stomatal movements. <i>New Phytologist</i> , 2021, 231, 2231-2246.	7.3	26
15	Time-series transcriptomics reveals a <i>BBX32</i> -directed control of acclimation to high light in mature <i>Arabidopsis</i> leaves. <i>Plant Journal</i> , 2021, 107, 1363-1386.	5.7	11
16	Stomatal Responses to Light, CO ₂ , and Mesophyll Tissue in <i>Vicia faba</i> and <i>Kalanchoe fedtschenkoi</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 740534.	3.6	6
17	Consistent Relationship between Field-Measured Stomatal Conductance and Theoretical Maximum Stomatal Conductance in C ₃ Woody Angiosperms in Four Major Biomes. <i>International Journal of Plant Sciences</i> , 2020, 181, 142-154.	1.3	23
18	Phytotoxicity of silver nanoparticles on <i>Vicia faba</i> : Evaluation of particle size effects on photosynthetic performance and leaf gas exchange. <i>Science of the Total Environment</i> , 2020, 701, 134816.	8.0	61

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19	Natural genetic variation in photosynthesis: an untapped resource to increase crop yield potential?. <i>Plant Journal</i> , 2020, 101, 518-528.	5.7	65
20	Thermography methods to assess stomatal behaviour in a dynamic environment. <i>Journal of Experimental Botany</i> , 2020, 71, 2329-2338.	4.8	24
21	Role of blue and red light in stomatal dynamic behaviour. <i>Journal of Experimental Botany</i> , 2020, 71, 2253-2269.	4.8	113
22	Photosynthesis in non-leaf tissues: implications for yield. <i>Plant Journal</i> , 2020, 101, 1001-1015.	5.7	109
23	ZnO nanoparticles impact on the photosynthetic activity of <i>Vicia faba</i> : Effect of particle size and concentration. <i>NanoImpact</i> , 2020, 19, 100246.	4.5	18
24	Stimulating photosynthetic processes increases productivity and water-use efficiency in the field. <i>Nature Plants</i> , 2020, 6, 1054-1063.	9.3	91
25	Variation in key leaf photosynthetic traits across wheat wild relatives is accession dependent not species dependent. <i>New Phytologist</i> , 2020, 228, 1767-1780.	7.3	23
26	Projected expansion of <i>Trichodesmium</i> 's geographical distribution and increase in growth potential in response to climate change. <i>Global Change Biology</i> , 2020, 26, 6445-6456.	9.5	6
27	Guard Cell Starch Degradation Yields Glucose for Rapid Stomatal Opening in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2020, 32, 2325-2344.	6.6	62
28	Contrasting Responses to Stress Displayed by Tobacco Overexpressing an Algal Plastid Terminal Oxidase in the Chloroplast. <i>Frontiers in Plant Science</i> , 2020, 11, 501.	3.6	15
29	Guard Cell Metabolism and Stomatal Function. <i>Annual Review of Plant Biology</i> , 2020, 71, 273-302.	18.7	189
30	Fuelling life: recent advances in photosynthesis research. <i>Plant Journal</i> , 2020, 101, 753-755.	5.7	15
31	From green to gold: agricultural revolution for food security. <i>Journal of Experimental Botany</i> , 2020, 71, 2211-2215.	4.8	49
32	Speedy stomata, photosynthesis and plant water use efficiency. <i>New Phytologist</i> , 2019, 221, 93-98.	7.3	308
33	High throughput procedure utilising chlorophyll fluorescence imaging to phenotype dynamic photosynthesis and photoprotection in leaves under controlled gaseous conditions. <i>Plant Methods</i> , 2019, 15, 109.	4.3	51
34	Day length as a key factor moderating the response of coccolithophore growth to elevated CO_2 . <i>Limnology and Oceanography</i> , 2019, 64, 1284-1296.	3.1	7
35	Stability of wheat grain yields over three field seasons in the UK. <i>Food and Energy Security</i> , 2019, 8, e00147.	4.3	18
36	Convergence in Maximum Stomatal Conductance of C3 Woody Angiosperms in Natural Ecosystems Across Bioclimatic Zones. <i>Frontiers in Plant Science</i> , 2019, 10, 558.	3.6	22

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37	Genotypic, Developmental and Environmental Effects on the Rapidity of g_s in Wheat: Impacts on Carbon Gain and Water-Use Efficiency. <i>Frontiers in Plant Science</i> , 2019, 10, 492.	3.6	29
38	Exploiting natural variation and genetic manipulation of stomatal conductance for crop improvement. <i>Current Opinion in Plant Biology</i> , 2019, 49, 1-7.	7.1	123
39	Using Growth and Transpiration Phenotyping Under Controlled Conditions to Select Water Efficient Banana Genotypes. <i>Frontiers in Plant Science</i> , 2019, 10, 352.	3.6	25
40	Dynamic leaf energy balance: deriving stomatal conductance from thermal imaging in a dynamic environment. <i>Journal of Experimental Botany</i> , 2019, 70, 2839-2855.	4.8	61
41	Rising CO_2 drives divergence in water use efficiency of evergreen and deciduous plants. <i>Science Advances</i> , 2019, 5, eaax7906.	10.3	56
42	CO_2 modulation of the rates of photosynthesis and light-dependent O_2 consumption in <i>Trichodesmium</i> . <i>Journal of Experimental Botany</i> , 2019, 70, 589-597.	4.8	12
43	Acclimation to Fluctuating Light Impacts the Rapidity of Response and Diurnal Rhythm of Stomatal Conductance. <i>Plant Physiology</i> , 2018, 176, 1939-1951.	4.8	92
44	Natural variation of life history traits, water use, and drought responses in <i>Arabidopsis</i> . <i>Plant Direct</i> , 2018, 2, e00035.	1.9	22
45	Limitation of dimethylsulfoniopropionate synthesis at high irradiance in natural phytoplankton communities of the Tropical Atlantic. <i>Limnology and Oceanography</i> , 2018, 63, 227-242.	3.1	8
46	Inorganic carbon and pH dependency of photosynthetic rates in <i>Trichodesmium</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 3651-3660.	4.8	17
47	Coordination Between Photosynthesis and Stomatal Behavior. <i>Advances in Photosynthesis and Respiration</i> , 2018, , 141-161.	1.0	22
48	Chlorophyll Fluorescence Imaging. <i>Methods in Molecular Biology</i> , 2018, 1770, 121-140.	0.9	7
49	Measuring the dynamic photosynthome. <i>Annals of Botany</i> , 2018, 122, 207-220.	2.9	81
50	An Integrated Response of <i>Trichodesmium erythraeum</i> IMS101 Growth and Photo-Physiology to Iron, CO_2 , and Light Intensity. <i>Frontiers in Microbiology</i> , 2018, 9, 624.	3.5	19
51	Survey of Tools for Measuring In Vivo Photosynthesis. <i>Methods in Molecular Biology</i> , 2018, 1770, 3-24.	0.9	9
52	The physiological cost of diazotrophy for <i>Trichodesmium erythraeum</i> IMS101. <i>PLoS ONE</i> , 2018, 13, e0195638.	2.5	17
53	Effects of elevated CO_2 and temperature on phytoplankton community biomass, species composition and photosynthesis during an experimentally induced autumn bloom in the western English Channel. <i>Biogeosciences</i> , 2018, 15, 3203-3222.	3.3	24
54	Importance of Fluctuations in Light on Plant Photosynthetic Acclimation. <i>Plant Physiology</i> , 2017, 173, 2163-2179.	4.8	218

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55	Temporal Dynamics of Stomatal Behavior: Modeling and Implications for Photosynthesis and Water Use. <i>Plant Physiology</i> , 2017, 174, 603-613.	4.8	118
56	Diurnal Variation in Gas Exchange: The Balance between Carbon Fixation and Water Loss. <i>Plant Physiology</i> , 2017, 174, 614-623.	4.8	81
57	Global Sensitivity Analysis of OnGuard Models Identifies Key Hubs for Transport Interaction in Stomatal Dynamics. <i>Plant Physiology</i> , 2017, 174, 680-688.	4.8	23
58	Simultaneous stimulation of sedoheptulose 1,7-bisphosphatase, fructose 1,6-bisphosphate aldolase and the photorespiratory glycine decarboxylase-H protein increases CO_2 assimilation, vegetative biomass and seed yield in Arabidopsis. <i>Plant Biotechnology Journal</i> , 2017, 15, 805-816.	8.3	162
59	Effects of elevated CO ₂ on phytoplankton community biomass and species composition during a spring <i>Phaeocystis</i> spp. bloom in the western English Channel. <i>Harmful Algae</i> , 2017, 67, 92-106.	4.8	6
60	Phenotyping of field-grown wheat in the UK highlights contribution of light response of photosynthesis and flag leaf longevity to grain yield. <i>Journal of Experimental Botany</i> , 2017, 68, 3473-3486.	4.8	153
61	Overexpression of the RieskeFeS Protein Increases Electron Transport Rates and Biomass Yield. <i>Plant Physiology</i> , 2017, 175, 134-145.	4.8	135
62	Increased SBPase activity improves photosynthesis and grain yield in wheat grown in greenhouse conditions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160384.	4.0	193
63	Unexpected Connections between Humidity and Ion Transport Discovered Using a Model to Bridge Guard Cell-to-Leaf Scales. <i>Plant Cell</i> , 2017, 29, 2921-2939.	6.6	39
64	A novel membrane inlet infrared gas analysis (MIIRGA) system for monitoring of seawater carbonate system. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 38-53.	2.0	1
65	Pyrenoid loss in <i>Chlamydomonas reinhardtii</i> causes limitations in CO ₂ supply, but not thylakoid operating efficiency. <i>Journal of Experimental Botany</i> , 2017, 68, 3903-3913.	4.8	33
66	A Key Marine Diazotroph in a Changing Ocean: The Interacting Effects of Temperature, CO ₂ and Light on the Growth of <i>Trichodesmium erythraeum</i> IMS101. <i>PLoS ONE</i> , 2017, 12, e0168796.	2.5	50
67	Arabidopsis CP12 mutants have reduced levels of phosphoribulokinase and impaired function of the Calvin-Benson cycle. <i>Journal of Experimental Botany</i> , 2017, 68, 2285-2298.	4.8	45
68	Does Size Matter? Atmospheric CO ₂ May Be a Stronger Driver of Stomatal Closing Rate Than Stomatal Size in Taxa That Diversified under Low CO ₂ . <i>Frontiers in Plant Science</i> , 2016, 7, 1253.	3.6	99
69	Effects of kinetics of light-induced stomatal responses on photosynthesis and water-use efficiency. <i>New Phytologist</i> , 2016, 211, 1209-1220.	7.3	325
70	Engineered silver nanoparticles are sensed at the plasma membrane and dramatically modify the physiology of <i>Arabidopsis thaliana</i> plants. <i>Plant Journal</i> , 2016, 85, 245-257.	5.7	119
71	Using modern plant trait relationships between observed and theoretical maximum stomatal conductance and vein density to examine patterns of plant macroevolution. <i>New Phytologist</i> , 2016, 209, 94-103.	7.3	153
72	Rethinking Guard Cell Metabolism. <i>Plant Physiology</i> , 2016, 172, 1371-1392.	4.8	111

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73	Modelling water use efficiency in a dynamic environment: An example using <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2016, 251, 65-74.	3.6	42
74	Photonic multilayer structure of <i>Begonia</i> chloroplasts enhances photosynthetic efficiency. <i>Nature Plants</i> , 2016, 2, 16162.	9.3	108
75	High C3 photosynthetic capacity and high intrinsic water use efficiency underlies the high productivity of the bioenergy grass <i>Arundo donax</i> . <i>Scientific Reports</i> , 2016, 6, 20694.	3.3	64
76	Evolutionary trade-offs in stomatal spacing. <i>New Phytologist</i> , 2016, 210, 1149-1151.	7.3	15
77	Blue Light Induces a Distinct Starch Degradation Pathway in Guard Cells for Stomatal Opening. <i>Current Biology</i> , 2016, 26, 362-370.	3.9	155
78	Time-Series Transcriptomics Reveals That <i>AGAMOUS-LIKE22</i> Affects Primary Metabolism and Developmental Processes in Drought-Stressed <i>Arabidopsis</i> . <i>Plant Cell</i> , 2016, 28, 345-366.	6.6	92
79	An Optimal Frequency in Ca^{2+} Oscillations for Stomatal Closure Is an Emergent Property of Ion Transport in Guard Cells. <i>Plant Physiology</i> , 2016, 170, 33-42.	4.8	51
80	Phototropins maintain robust circadian oscillation of <i>PSII</i> operating efficiency under blue light. <i>Plant Journal</i> , 2015, 83, 1034-1045.	5.7	55
81	Preface. <i>Journal of Experimental Botany</i> , 2015, 66, 5385-5387.	4.8	15
82	Multigene manipulation of photosynthetic carbon assimilation increases CO ₂ fixation and biomass yield in tobacco. <i>Journal of Experimental Botany</i> , 2015, 66, 4075-4090.	4.8	197
83	Chloroplasts play a central role in plant defence and are targeted by pathogen effectors. <i>Nature Plants</i> , 2015, 1, 15074.	9.3	226
84	Overexpression of Plastid Transketolase in Tobacco Results in a Thiamine Auxotrophic Phenotype. <i>Plant Cell</i> , 2015, 27, 432-447.	6.6	76
85	Photosynthesis in variable environments. <i>Journal of Experimental Botany</i> , 2015, 66, 2371-2372.	4.8	9
86	Emergent Oscillatory Properties in Modelling Ion Transport of Guard Cells. , 2015, , 323-342.		0
87	Abscisic acid signalling determines susceptibility of bundle sheath cells to photoinhibition in high light-exposed <i>Arabidopsis</i> leaves. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130234.	4.0	43
88	Natural variation in photosynthetic capacity, growth, and yield in 64 field-grown wheat genotypes. <i>Journal of Experimental Botany</i> , 2014, 65, 4959-4973.	4.8	226
89	Stomatal Size, Speed, and Responsiveness Impact on Photosynthesis and Water Use Efficiency. <i>Plant Physiology</i> , 2014, 164, 1556-1570.	4.8	753
90	C ₃ photosynthesis in the desert plant <i>Rhazya stricta</i> is fully functional at high temperatures and light intensities. <i>New Phytologist</i> , 2014, 201, 862-873.	7.3	49

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91	Mesophyll photosynthesis and guard cell metabolism impacts on stomatal behaviour. <i>New Phytologist</i> , 2014, 203, 1064-1081.	7.3	165
92	The temporal foliar transcriptome of the perennial C3 desert plant <i>Rhazya stricta</i> in its natural environment. <i>BMC Plant Biology</i> , 2014, 14, 2.	3.6	27
93	Leaf anatomical traits which accommodate the facultative engagement of crassulacean acid metabolism in tropical trees of the genus <i>Clusia</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 3513-3523.	4.8	71
94	Pan genome of the phytoplankton <i>Emiliana</i> underpins its global distribution. <i>Nature</i> , 2013, 499, 209-213.	27.8	448
95	Light availability determines susceptibility of reef building corals to ocean acidification. <i>Coral Reefs</i> , 2013, 32, 327-337.	2.2	75
96	Preface. <i>Journal of Experimental Botany</i> , 2013, 64, 3923-3924.	4.8	2
97	Chlorophyll fluorescence analysis: a guide to good practice and understanding some new applications. <i>Journal of Experimental Botany</i> , 2013, 64, 3983-3998.	4.8	1,452
98	Impact of a simulated oil spill on benthic phototrophs and nitrogen-fixing bacteria in mudflat mesocosms. <i>Environmental Microbiology</i> , 2013, 15, 242-252.	3.8	52
99	A novel system for spatial and temporal imaging of intrinsic plant water use efficiency. <i>Journal of Experimental Botany</i> , 2013, 64, 4993-5007.	4.8	56
100	<i>Arabidopsis</i> HEAT SHOCK TRANSCRIPTION FACTOR1b overexpression enhances water productivity, resistance to drought, and infection. <i>Journal of Experimental Botany</i> , 2013, 64, 3467-3481.	4.8	137
101	The trade-off between the light-harvesting and photoprotective functions of fucoxanthin-chlorophyll proteins dominates light acclimation in <i>Emiliana huxleyi</i> (clone CCMP 1516). <i>New Phytologist</i> , 2013, 200, 74-85.	7.3	78
102	Heme b in marine phytoplankton and particulate material from the North Atlantic Ocean. <i>Marine Ecology - Progress Series</i> , 2013, 483, 1-17.	1.9	32
103	Direct estimation of functional PSII reaction center concentration and PSII electron flux on a volume basis: a new approach to the analysis of Fast Repetition Rate fluorometry (FRRf) data. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 142-154.	2.0	143
104	Improving yield by exploiting mechanisms underlying natural variation of photosynthesis. <i>Current Opinion in Biotechnology</i> , 2012, 23, 215-220.	6.6	217
105	Sea anemones may thrive in a high CO ₂ world. <i>Global Change Biology</i> , 2012, 18, 3015-3025.	9.5	95
106	Constitutive salicylic acid defences do not compromise seed yield, drought tolerance and water productivity in the <i>Arabidopsis</i> accession C24. <i>Plant, Cell and Environment</i> , 2010, 33, 1959-1973.	5.7	67
107	Photosynthesis and Stomatal Behaviour. <i>Progress in Botany Fortschritte Der Botanik</i> , 2010, , 265-304.	0.3	66
108	The High Light Response in <i>Arabidopsis</i> Involves ABA Signaling between Vascular and Bundle Sheath Cells. <i>Plant Cell</i> , 2009, 21, 2143-2162.	6.6	240

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109	Guard cell photosynthesis and stomatal function. <i>New Phytologist</i> , 2009, 181, 13-34.	7.3	245
110	Nitrogen and phosphorus limitation of oceanic microbial growth during spring in the Gulf of Aqaba. <i>Aquatic Microbial Ecology</i> , 2009, 56, 227-239.	1.8	33
111	Measuring Redox Changes In Vivo in Leaves: Prospects and Technical Challenges. <i>Methods in Molecular Biology</i> , 2008, 476, 65-75.	0.9	6
112	Reductions in mesophyll and guard cell photosynthesis impact on the control of stomatal responses to light and CO ₂ . <i>Journal of Experimental Botany</i> , 2008, 59, 3609-3619.	4.8	83
113	Lateral CO ₂ Diffusion inside Dicotyledonous Leaves Can Be Substantial: Quantification in Different Light Intensities. <i>Plant Physiology</i> , 2007, 145, 680-690.	4.8	30
114	Does lateral gas diffusion in leaves matter?. <i>Plant, Cell and Environment</i> , 2007, 30, 1072-1085.	5.7	34
115	Visualising patterns of CO ₂ diffusion in leaves. <i>New Phytologist</i> , 2006, 169, 641-643.	7.3	27
116	Decreased SBPase activity alters growth and development in transgenic tobacco plants. <i>Plant, Cell and Environment</i> , 2006, 29, 48-58.	5.7	47
117	Lateral Diffusion of CO ₂ in Leaves Is Not Sufficient to Support Photosynthesis. <i>Plant Physiology</i> , 2005, 139, 254-266.	4.8	75
118	Increased Sedoheptulose-1,7-Bisphosphatase Activity in Transgenic Tobacco Plants Stimulates Photosynthesis and Growth from an Early Stage in Development. <i>Plant Physiology</i> , 2005, 138, 451-460.	4.8	375
119	Stomatal function and physiology. , 2004, , 217-242.		21
120	GIANT CHLOROPLAST 1 Is Essential for Correct Plastid Division in Arabidopsis. <i>Current Biology</i> , 2004, 14, 776-781.	3.9	68
121	Stomatal conductance does not correlate with photosynthetic capacity in transgenic tobacco with reduced amounts of Rubisco. <i>Journal of Experimental Botany</i> , 2004, 55, 1157-1166.	4.8	145
122	The responses of guard and mesophyll cell photosynthesis to CO ₂ , O ₂ , light, and water stress in a range of species are similar. <i>Journal of Experimental Botany</i> , 2003, 54, 1743-1752.	4.8	112
123	Responses of Photosynthetic Electron Transport in Stomatal Guard Cells and Mesophyll Cells in Intact Leaves to Light, CO ₂ , and Humidity. <i>Plant Physiology</i> , 2002, 128, 52-62.	4.8	94
124	Impact of elevated CO ₂ and O ₃ on gas exchange parameters and epidermal characteristics in potato (<i>Solanum tuberosum</i> L.). <i>Journal of Experimental Botany</i> , 2002, 53, 737-746.	4.8	41
125	Photosynthetic and stomatal responses of potatoes grown under elevated CO ₂ and/or O ₃ results from the European CHIP-programme. <i>European Journal of Agronomy</i> , 2002, 17, 337-352.	4.1	43
126	Effects of elevated carbon dioxide and ozone on potato tuber quality in the European multiple-site experiment "CHIP-project". <i>European Journal of Agronomy</i> , 2002, 17, 369-381.	4.1	62

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127	Responses of Photosynthetic Electron Transport in Stomatal Guard Cells and Mesophyll Cells in Intact Leaves to Light, CO ₂ , and Humidity. <i>Plant Physiology</i> , 2002, 128, 52-62.	4.8	59
128	Responses of photosynthetic electron transport in stomatal guard cells and mesophyll cells in intact leaves to light, CO ₂ , and humidity. <i>Plant Physiology</i> , 2002, 128, 52-62.	4.8	27
129	Photosynthetic responses to elevated CO ₂ and O ₃ in field-grown potato (<i>Solanum tuberosum</i>). <i>Journal of Plant Physiology</i> , 2001, 158, 309-323.	3.5	42
130	Effects of elevated carbon dioxide and ozone on the growth and yield of potatoes (<i>Solanum tuberosum</i>). <i>Journal of Agricultural Science</i> , 2001, 136, 101-108.	7.5	48
131	High resolution imaging of photosynthetic activities of tissues, cells and chloroplasts in leaves. <i>Journal of Experimental Botany</i> , 2001, 52, 615-621.	4.8	101
132	Effects of elevated CO ₂ and O ₃ on tuber quality in potato (<i>Solanum tuberosum</i> L.). <i>Agriculture, Ecosystems and Environment</i> , 2001, 87, 273-285.	5.3	29
133	Effect of elevated CO ₂ on the stomatal distribution and leaf physiology of <i>Alnus glutinosa</i> . <i>New Phytologist</i> , 2000, 145, 511-521.	7.3	47
134	Spatial and temporal variation in gas exchange over the lower surface of <i>Phaseolus vulgaris</i> L. primary leaves. <i>Journal of Experimental Botany</i> , 1999, 50, 1381-1391.	4.8	10
135	Rapid and straightforward estimates of photosynthetic characteristics using a portable gas exchange system. <i>Photosynthetica</i> , 1998, 34, 265-279.	1.7	43
136	Heterogeneity in Stomatal Characteristics. <i>Advances in Botanical Research</i> , 1997, 26, 317-352.	1.1	95
137	Microcystin-LR inhibits photosynthesis of <i>Phaseolus vulgaris</i> primary leaves: implications for current spray irrigation practice. <i>New Phytologist</i> , 1996, 133, 651-658.	7.3	124