Esa TyystjÃ¤rvi

List of Publications by Year
in descending order

138 papers	6,827 citations	66343 42 h-index	71685 76 g-index
150 all docs	150 docs citations	150 times ranked	6608 citing authors

#	Article	IF	Citations
1	Chlorophyll does not reflect green light â€“ how to correct a misconception. Journal of Biological Education, 2022, 56, 552-559.	1.5	13
2	Ultraviolet screening by slug tissue and tight packing of plastids protect photosynthetic sea slugs from photoinhibition. Photosynthesis Research, 2022, 152, 373-387.	2.9	8
3	Differences in susceptibility to photoinhibition do not determinegrowth rate under moderate light in batch or turbidostat - a studywith five green algae. Photosynthetica, 2022, 60, 10-20.	1.7	3
4	Rootâ€type <scp>ferredoxinâ€NADP</scp>⁺ oxidoreductase isoforms in <scp>Arabidopsis thaliana</scp>: Expression patterns, location and stress responses. Plant, Cell and Environment, 2021, 44, 548-558.	5.7	3
5	Acclimation of Chlamydomonas reinhardtii to extremely strong light. Photosynthesis Research, 2021, 147, 91-106.	2.9	19
6	Singlet oxygen, flavonols and photoinhibition in green and senescing silver birch leaves. Trees - Structure and Function, 2021, 35, 1267-1282.	1.9	8
7	Genetic autonomy and low singlet oxygen yield support kleptoplast functionality in photosynthetic sea slugs. Journal of Experimental Botany, 2021, 72, 5553-5568.	4.8	8
8	Nutrient removal from hydroponic effluent by Nordic microalgae: From screening to a greenhouse photobioreactor operation. Algal Research, 2021, 55, 102247.	4.6	23
9	Stable wastewater treatment with Neochloris oleoabundans in a tubular photobioreactor. Journal of Applied Phycology, 2020, 32, 399-410.	2.8	24
10	Measurement of the redox state of the plastoquinone pool in cyanobacteria. FEBS Letters, 2020, 594, 367-375.	2.8	14
11	Effects of low temperature on photoinhibition and singlet oxygen production in four natural accessions of Arabidopsis. Planta, 2020, 252, 19.	3.2	22
12	Action spectrum of the redox state of the plastoquinone pool defines its function in plant acclimation. Plant Journal, 2020, 104, 1088-1104.	5.7	16
13	Dissecting the interaction of photosynthetic electron transfer with mitochondrial signalling and hypoxic response in the Arabidopsis rcd1 mutant. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190413.	4.0	15
14	Oxygen and ROS in Photosynthesis. Plants, 2020, 9, 91.	3.5	148
15	Testing the Potential of Regulatory Sigma Factor Mutants for Wastewater Purification or Bioreactor Run in High Light. Current Microbiology, 2020, 77, 1590-1599.	2.2	4
16	Photosynthetic sea slugs induce protective changes to the light reactions of the chloroplasts they steal from algae. ELife, 2020, 9, .	6.0	25
17	Automatic detection of cereal rows by means of pattern recognition techniques. Computers and Electronics in Agriculture, 2019, 162, 677-688.	7.7	13
18	Physiological and compensatory growth responses of Jatropha curcas (L.) seedlings to simulated herbivory and drought stress. South African Journal of Botany, 2019, 121, 486-493.	2.5	6

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19	Unresolved quenching mechanisms of chlorophyll fluorescence may invalidate MT saturating pulse analyses of photosynthetic electron transfer in microalgae. Physiologia Plantarum, 2019, 166, 365-379.	5.2	9
20	Group 2 Sigma Factors are Central Regulators of Oxidative Stress Acclimation in Cyanobacteria. Plant and Cell Physiology, 2019, 60, 436-447.	3.1	13
21	Photoinhibition and continuous growth of the wild-type and a high-light tolerant strain of Chlamydomonas reinhardtii. Photosynthetica, 2019, 57, 617-626.	1.7	18
22	Arabidopsis RCD1 coordinates chloroplast and mitochondrial functions through interaction with ANAC transcription factors. ELife, 2019, 8, .	6.0	118
23	Photosystem-II D1 protein mutants of Chlamydomonas reinhardtii in relation to metabolic rewiring and remodelling of H-bond network at QB site. Scientific Reports, 2018, 8, 14745.	3.3	12
24	Degradation of chlorophyll and synthesis of flavonols during autumn senescenceâ€"the story told by individual leaves. AoB PLANTS, 2018, 10, ply028.	2.3	46
25	Chloroplast Acetyltransferase NSI Is Required for State Transitions in Arabidopsis thaliana. Plant Cell, 2018, 30, 1695-1709.	6.6	59
26	Inactivation of group 2 Ïƒ factors upregulates production of transcription and translation machineries in the cyanobacterium Synechocystis sp. PCC 6803. Scientific Reports, 2018, 8, 10305.	3.3	13
27	Plastoquinol generates and scavenges reactive oxygen species in organic solvent: Potential relevance for thylakoids. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 1119-1131.	1.0	20
28	Can bacterial biofiltration be replaced by autotrophic organisms in recirculating fresh water aquaculture?. Aquaculture International, 2017, 25, 1427-1440.	2.2	0
29	Insect herbivory may cause changes in the visual properties of leaves and affect the camouflage of herbivores to avian predators. Behavioral Ecology and Sociobiology, 2017, 71, 1.	1.4	13
30	Photoinhibition in marine picocyanobacteria. Physiologia Plantarum, 2017, 161, 97-108.	5.2	21
31	Action Spectrum of Photoinhibition in the Diatom Phaeodactylum tricornutum. Plant and Cell Physiology, 2017, 58, 2217-2225.	3.1	21
32	Roles of Group 2 Sigma Factors in Acclimation of the CyanobacteriumSynechocystissp. PCC 6803 to Nitrogen Deficiency. Plant and Cell Physiology, 2016, 57, 1309-1318.	3.1	49
33	Hydrogen photoproduction by immobilized S-deprived Chlamydomonas reinhardtii : Effect of light intensity and spectrum, and initial medium pH. Algal Research, 2016, 17, 38-45.	4.6	24
34	Impacts of simulated drought stress and artificial damage on concentrations of flavonoids in Jatropha curcas (L.), a biofuel shrub. Journal of Plant Research, 2016, 129, 1141-1150.	2.4	11
35	Oxygen produced by cyanobacteria in simulated Archaean conditions partly oxidizes ferrous iron but mostly escapesâ€"conclusions about early evolution. Photosynthesis Research, 2016, 130, 103-111.	2.9	8
36	Subunits Bâ€²Î³ and Bâ€²Î¶ of protein phosphatase 2A regulate photoâ€oxidative stress responses and growth in Arabidopsis thaliana. Plant, Cell and Environment, 2015, 38, 2641-2651.	5.7	27

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37	Photobiological hydrogen production and artificial photosynthesis for clean energy: from bio to nanotechnologies. Photosynthesis Research, 2015, 126, 237-247.	2.9	28
38	Multiple regulatory mechanisms in the chloroplast of green algae: relation to hydrogen production. Photosynthesis Research, 2015, 125, 357-381.	2.9	42
39	Shifting the Sun: Solar Spectral Conversion and Extrinsic Sensitization in Natural and Artificial Photosynthesis. Advanced Science, 2015, 2, 1500218.	11.2	77
40	Cultivation of Nannochloropsis for eicosapentaenoic acid production in wastewaters of pulp and paper industry. Bioresource Technology, 2015, 193, 469-476.	9.6	44
41	Potential of carbon nanotubes in algal biotechnology. Photosynthesis Research, 2015, 125, 451-471.	2.9	39
42	Experimental evidence suggesting that H₂O₂ is produced within the thylakoid membrane in a reaction between plastoquinol and singlet oxygen. FEBS Letters, 2015, 589, 779-786.	2.8	40
43	Classification of plant species from images of overlapping leaves. Computers and Electronics in Agriculture, 2015, 118, 186-192.	7.7	19
44	Reactive oxygen species: Reactions and detection from photosynthetic tissues. Journal of Photochemistry and Photobiology B: Biology, 2015, 152, 176-214.	3.8	95
45	SASP, a Senescence-Associated Subtilisin Protease, is involved in reproductive development and determination of silique number in Arabidopsis. Journal of Experimental Botany, 2015, 66, 161-174.	4.8	31
46	Porous membrane as a means of gas and nutrient exchange in a tubular photobioreactor. Journal of Applied Phycology, 2015, 27, 1169-1175.	2.8	8
47	The omega subunit of the RNA polymerase core directs transcription efficiency in cyanobacteria. Nucleic Acids Research, 2014, 42, 4606-4614.	14.5	37
48	Oxidative stress and photoinhibition can be separated in the cyanobacterium Synechocystis sp. PCC 6803. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 217-225.	1.0	47
49	Linking chlorophyll a fluorescence to photosynthesis for remote sensing applications: mechanisms and challenges. Journal of Experimental Botany, 2014, 65, 4065-4095.	4.8	770
50	A Tandem Mass Spectrometric Method for Singlet Oxygen Measurement. Photochemistry and Photobiology, 2014, 90, 965-971.	2.5	13
51	Pathways of hydrogen photoproduction by immobilized Chlamydomonas reinhardtii cells deprived of sulfur. International Journal of Hydrogen Energy, 2014, 39, 18194-18203.	7.1	22
52	Comparison of chlorophyll fluorescence curves and texture analysis for automatic plant identification. Precision Agriculture, 2013, 14, 621-636.	6.0	7
53	Photosynthesis-related quantities for education and modeling. Photosynthesis Research, 2013, 117, 1-30.	2.9	57
54	Photoinhibition of Photosystem II. International Review of Cell and Molecular Biology, 2013, 300, 243-303.	3.2	235

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55	Antimycin A effect on the electron transport in chloroplasts of two Chlamydomonas reinhardtii strains. Planta, 2013, 237, 1241-1250.	3.2	13
56	Group 2 Sigma Factor Mutant Î”sigCDE of the Cyanobacterium Synechocystis sp. PCC 6803 Reveals Functionality of Both Carotenoids and Flavodiiron Proteins in Photoprotection of Photosystem II. Plant and Cell Physiology, 2013, 54, 1780-1790.	3.1	29
57	Impact of Different Group 2 Sigma Factors on Light Use Efficiency and High Salt Stress in the Cyanobacterium Synechocystis sp. PCC 6803. PLoS ONE, 2013, 8, e63020.	2.5	16
58	Regulation of Root Greening by Light and Auxin/Cytokinin Signaling in Arabidopsis. Plant Cell, 2012, 24, 1081-1095.	6.6	180
59	Use of near-infrared radiation for oxygenic photosynthesis via photon up-conversion. International Journal of Hydrogen Energy, 2012, 37, 8859-8863.	7.1	24
60	Parameterization of photosystem II photoinactivation and repair. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 258-265.	1.0	148
61	Photosynthetic Hydrogen Production: Mechanisms and Approaches. , 2012, , 25-53.		5
62	Nodularin uptake and induction of oxidative stress in spinach (Spinachia oleracea). Journal of Plant Physiology, 2011, 168, 594-600.	3.5	26
63	Magnetic field protects plants against high light by slowing down production of singlet oxygen. Physiologia Plantarum, 2011, 142, 26-34.	5.2	31
64	FLUORESCENCE EMISSION SPECTRA OF MARINE AND BRACKISHâ€WATER ECOTYPES OF FUCUS VESICULOSUS AND FUCUS RADICANS (PHAEOPHYCEAE) REVEAL DIFFERENCES IN LIGHTâ€HARVESTING APPARATUS¹. Journal of Phycology, 2011, 47, 98-105.	2.3	10
65	Protection by Î±-tocopherol of the repair of photosystem II during photoinhibition in Synechocystis sp. PCC 6803. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 236-241.	1.0	58
66	Inhibition of Photosystem II by the singlet oxygen sensor compounds TEMP and TEMPD. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 243-250.	1.0	16
67	Pure forms of the singlet oxygen sensors TEMP and TEMPD do not inhibit Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1658-1661.	1.0	36
68	Automatic identification of crop and weed species with chlorophyll fluorescence induction curves. Precision Agriculture, 2011, 12, 546-563.	6.0	25
69	Analysis of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>S</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn> charge recombination with the Arrhenius, Eyring and Marcus theories. Journal of Photochemistry and Photobiology B: Biology, 2011, 104, 292-300.	3.8	7
70	Effects of Deficiency and Overdose of Group 2 Sigma Factors in Triple Inactivation Strains of Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 2011, 193, 265-273.	2.2	32
71	Acclimation of photosynthesis to nitrogen deficiency in Phaseolus vulgaris. Planta, 2010, 232, 887-898.	3.2	58
72	Kinetics of prolonged photoinhibition revisited: photoinhibited Photosystem II centres do not protect the active ones against loss of oxygen evolution. Photosynthesis Research, 2010, 103, 7-17.	2.9	43

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73	Mahalanobis distance screening of Arabidopsis mutants with chlorophyll fluorescence. Photosynthesis Research, 2010, 105, 273-283.	2.9	8
74	SigC sigma factor is involved in acclimation to low inorganic carbon at high temperature in Synechocystis sp. PCC 6803. Microbiology (United Kingdom), 2010, 156, 220-229.	1.8	15
75	Short flashes and continuous light have similar photoinhibitory efficiency in intact leaves. Journal of Experimental Botany, 2010, 61, 4239-4247.	4.8	17
76	Contributions of Visible and Ultraviolet Parts of Sunlight to Photoinhibition. Plant and Cell Physiology, 2010, 51, 1745-1753.	3.1	48
77	Dynamic Changes in the Proteome of Synechocystis 6803 in Response to CO₂ Limitation Revealed by Quantitative Proteomics. Journal of Proteome Research, 2010, 9, 5896-5912.	3.7	69
78	Simultaneous Inactivation of Sigma Factors B and D Interferes with Light Acclimation of the Cyanobacterium Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 2009, 191, 3992-4001.	2.2	36
79	Comparative analysis of leafâ€type ferredoxinâ€NADP⁺ oxidoreductase isoforms in Arabidopsis thaliana. Plant Journal, 2009, 57, 1103-1115.	5.7	57
80	Illumination with Ultraviolet or Visible Light Induces Chemical Changes in the Waterâ€soluble Manganese Complex, [Mn₄O₆(bpea)₄]Br₄. Photochemistry and Photobiology, 2009, 85, 663-668.	2.5	17
81	Toxic and non-toxic Nodularia strains can be distinguished from each other and from eukaryotic algae with chlorophyll fluorescence fingerprinting. Harmful Algae, 2009, 8, 817-822.	4.8	7
82	Connectivity of Photosystem II Is the Physical Basis of Retrapping in Photosynthetic Thermoluminescence. Biophysical Journal, 2009, 96, 3735-3743.	0.5	24
83	Two-Electron Reactions S2QB â†'S0QB and S3QB â†'S1QB are Involved in Deactivation of Higher S States of the Oxygen-Evolving Complex of Photosystem II. Biophysical Journal, 2009, 96, 4672-4680.	0.5	13
84	Photoinhibition of Photosystem II and photodamage of the oxygen evolving manganese cluster. Coordination Chemistry Reviews, 2008, 252, 361-376.	18.8	265
85	Sigma factor SigC is required for heat acclimation of the cyanobacterium Synechocystis sp. strain PCC 6803. FEBS Letters, 2008, 582, 346-350.	2.8	31
86	Characterization of Single and Double Inactivation Strains Reveals New Physiological Roles for Group 2 Ïƒ Factors in the Cyanobacterium Synechocystis sp. PCC 6803 Â. Plant Physiology, 2008, 147, 1994-2005.	4.8	38
87	Photoinhibitory Efficiency of Saturating Laser Pulses Depends on Pulse Energy. , 2008, , 1589-1592.		1
88	Effects of microcystins on broccoli and mustard, and analysis of accumulated toxin by liquid chromatographyâ€“mass spectrometry. Toxicon, 2007, 49, 865-874.	1.6	80
89	The SigBÏƒfactor mediates high-temperature responses in the cyanobacteriumSynechocystissp. PCC6803. FEBS Letters, 2006, 580, 319-323.	2.8	78
90	Action Spectrum of Photoinhibition in Leaves of Wild Type and npq1-2 and npq4-1 Mutants of Arabidopsis thaliana. Plant and Cell Physiology, 2006, 47, 391-400.	3.1	106

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91	Photoinhibition of manganese enzymes: insights into the mechanism of photosystem II photoinhibition. Journal of Experimental Botany, 2006, 57, 1809-1816.	4.8	59
92	Mathematical modelling of the light response curve of photoinhibition of Photosystem II. Photosynthesis Research, 2005, 84, 21-27.	2.9	33
93	LHC II protein phosphorylation in leaves of Arabidopsis thaliana mutants deficient in non-photochemical quenching. Photosynthesis Research, 2005, 84, 217-223.	2.9	11
94	Evidence for the role of the oxygen-evolving manganese complex in photoinhibition of Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1706, 68-80.	1.0	343
95	Light Emission as a Probe of Charge Separation and Recombination in the Photosynthetic Apparatus: Relation of Prompt Fluorescence to Delayed Light Emission and Thermoluminescence. , 2004, , 363-388.		36
96	CLASSIFYING APPLES BY THE MEANS OF FLUORESCENCE IMAGING. International Journal of Pattern Recognition and Artificial Intelligence, 2004, 18, 157-174.	1.2	10
97	Phototoxicity. , 2004, , 271-283.		8
98	Genetic Feature Learning Algorithm for Fluorescence Fingerprinting of Plants. Lecture Notes in Computer Science, 2004, , 371-383.	1.3	4
99	Automatic Plant Identification with Chlorophyll Fluorescence Fingerprinting. Precision Agriculture, 2003, 4, 53-67.	6.0	30
100	Feature learning with a genetic algorithm for fluorescence fingerprinting of plant species. Pattern Recognition Letters, 2003, 24, 2663-2673.	4.2	12
101	Expression of Primary Sigma Factor (PSF) and PSF-Like Sigma Factors in the Cyanobacterium Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 2003, 185, 1116-1119.	2.2	52
102	Excess Copper Predisposes Photosystem II to Photoinhibition in Vivo by Outcompeting Iron and Causing Decrease in Leaf Chlorophyll. Plant Physiology, 2002, 129, 1359-1367.	4.8	291
103	Action spectrum ofpsbAgene transcription is similar to that of photoinhibition inSynechocystissp. PCC 6803. FEBS Letters, 2002, 516, 167-171.	2.8	51
104	Photoinhibition and loss of photosystem II reaction centre proteins during senescence of soybean leaves. Enhancement of photoinhibition by the â€˜stay-greenâ€™ mutation cytG. Physiologia Plantarum, 2002, 115, 468-478.	5.2	64
105	Suppression of a key gene involved in chlorophyll biosynthesis by means of virus-inducing gene silencing. Plant Molecular Biology, 2002, 50, 213-224.	3.9	43
106	Mechanism of copper-enhanced photoinhibition in thylakoid membranes. Physiologia Plantarum, 2001, 113, 142-150.	5.2	41
107	Abnormal Regulation of Photosynthetic Electron Transport in a Chloroplast ycf9 Inactivation Mutant. Journal of Biological Chemistry, 2001, 276, 20795-20802.	3.4	27
108	Photoinhibition of photosystem II in tobacco plants overexpressing glutathione reductase and poplars overexpressing superoxide dismutase. Physiologia Plantarum, 1999, 105, 409-416.	5.2	34

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109	Artificial quenchers of chlorophyll fluorescence do not protect against photoinhibition. Journal of Photochemistry and Photobiology B: Biology, 1999, 48, 142-147.	3.8	32
110	Molecular mechanism of high-temperature-induced inhibition of acceptor side of Photosystem II. Photosynthesis Research, 1999, 62, 55-66.	2.9	74
111	Excitation-Emission Map as a Tool in Studies of Photosynthetic Pigment-Protein Complexes. Photosynthetica, 1999, 37, 225-237.	1.7	19
112	The Kautsky Curve Is a Built-in Barcode. Biophysical Journal, 1999, 77, 1159-1167.	0.5	44
113	Measurement of photosynthetic oxygen evolution with a new type of oxygen sensor. Photosynthesis Research, 1998, 56, 223-227.	2.9	8
114	Exposure ofSynechocystis6803 cells to series of single turnover flashes increases thepsbAtranscript level by activating transcription and down-regulatingpsbAmRNA degradation. FEBS Letters, 1998, 436, 483-487.	2.8	20
115	Model for the Fluorescence Induction Curve of Photoinhibited Thylakoids. Biophysical Journal, 1998, 75, 503-512.	0.5	20
116	Increase in the Quantum Yield of Photoinhibition Contributes to Copper Toxicity in Vivo1. Plant Physiology, 1998, 117, 619-627.	4.8	116
117	Thermoluminescence B and Q Bands are at the same Temperature in an Autotrophic and A Heterotrophic D1 Protein Mutant of Synechocystis sp. PCC 6803. , 1998, , 1145-1148.		3
118	Mutagenesis of the D-E loop of photosystem II reaction centre protein D1. Function and assembly of photosystem II. Plant Molecular Biology, 1997, 33, 1059-1071.	3.9	54
119	The rate constant of photoinhibition, measured in lincomycin-treated leaves, is directly proportional to light intensity.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 2213-2218.	7.1	419
120	Degradation Pattern of Photosystem II Reaction Center Protein D1 in Intact Leaves (The Major) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Plant Physiology, 1996, 111, 1183-1190.	4.8	68
121	A Mutation in the D-de Loop of D1 Modifies the Stability of the S2QA- and S2QB- States in Photosystem II. Plant Physiology, 1995, 107, 187-197.	4.8	56
122	In search of a reversible stage of photoinhibition in a higher plant: No changes in the amount of functional Photosystem II accompany relaxation of variable fluorescence after exposure of lincomycin-treated Cucurbita pepo leaves to high light. Photosynthesis Research, 1995, 45, 239-247.	2.9	19
123	Light-dependent phosphorylation of D1 reaction centre protein of photosystem II: hypothesis for the functional role in vivo. Physiologia Plantarum, 1995, 93, 191-195.	5.2	47
124	The Quantum Yield of Photoinhibition is Independent of Light Intensity. , 1995, , 3307-3310.		0
125	Mathematical modelling of photoinhibition and Photosystem II repair cycle. I. Photoinhibition and D1 protein degradation in vitro and in the absence of chloroplast protein synthesis in vivo. Photosynthesis Research, 1994, 41, 439-449.	2.9	46
126	The rate constant of photoinhibition in vitro is independent of the antenna size of Photosystem II but depends on temperature. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1186, 177-185.	1.0	48

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127	Site-specific mutations in the D1 polypeptide affect the susceptibility of Synechocystis 6803 cells to photoinhibition. Plant Molecular Biology, 1993, 22, 1-12.	3.9	40
128	Slow Degradation of the D1 Protein Is Related to the Susceptibility of Low-Light-Grown Pumpkin Plants to Photoinhibition. Plant Physiology, 1992, 100, 1310-1317.	4.8	77
129	ATP and light regulate D1 protein modification and degradation Role of D1* in photoinhibition. FEBS Letters, 1992, 297, 29-33.	2.8	86
130	D1 protein degradation during photoinhibition of intact leaves a modification of the D1 protein precedes degradation. FEBS Letters, 1991, 290, 153-156.	2.8	71
131	Small Light-Harvesting Antenna Does Not Protect from Photoinhibition. Plant Physiology, 1991, 97, 477-483.	4.8	29
132	Temperature-dependent changes in Photosystem II heterogeneity of attached leaves under high light. Physiologia Plantarum, 1990, 79, 585-592.	5.2	14
133	Temperature-dependent changes in Photosystem II heterogeneity support a cycle of Photosystem II during photoinhibition. Photosynthesis Research, 1990, 26, 109-117.	2.9	21
134	A microcomputer program and fast analog to digital converter card for the analysis of fluorescence induction transients. Photosynthesis Research, 1990, 26, 127-132.	2.9	50
135	Temperature-dependent changes in Photosystem II heterogeneity of attached leaves under high light. Physiologia Plantarum, 1990, 79, 585-592.	5.2	11
136	Effects of Light and Temperature on PSII Heterogeneity. , 1990, , 1399-1402.		0
137	The Nature of Light-Induced Inhibition of Photosystem II in Pumpkin (Cucurbita pepo L.) Leaves Depends on Temperature. Plant Physiology, 1989, 91, 1069-1074.	4.8	24
138	Rearrangement of the Chloroplast Thylakoid at Chilling Temperature in the Light. Plant Physiology, 1988, 87, 762-766.	4.8	24