

# Peter J Nixon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8115931/publications.pdf>

Version: 2024-02-01

134  
papers

8,650  
citations

50276

46  
h-index

48315

88  
g-index

142  
all docs

142  
docs citations

142  
times ranked

5172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assembly of D1/D2 complexes of photosystem II: Binding of pigments and a network of auxiliary proteins. <i>Plant Physiology</i> , 2022, 189, 790-804.	4.8	16
2	Recent Advances in Understanding the Structural and Functional Evolution of FtsH Proteases. <i>Frontiers in Plant Science</i> , 2022, 13, 837528.	3.6	14
3	Remembering James Barber (1940–2020). <i>Photosynthesis Research</i> , 2022, , 1.	2.9	0
4	The Photosystem II Assembly Factor Ycf48 from the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 Is Lipidated Using an Atypical Lipobox Sequence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3733.	4.1	8
5	Probing the biogenesis pathway and dynamics of thylakoid membranes. <i>Nature Communications</i> , 2021, 12, 3475.	12.8	40
6	Photosystem II in a State of Disassembly. <i>Joule</i> , 2020, 4, 2082-2084.	24.0	4
7	Newly discovered <i>Synechococcus</i> sp. PCC 11901 is a robust cyanobacterial strain for high biomass production. <i>Communications Biology</i> , 2020, 3, 215.	4.4	90
8	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
9	Crystal Structure of Geranylgeranyl Pyrophosphate Synthase (CrtE) Involved in Cyanobacterial Terpenoid Biosynthesis. <i>Frontiers in Plant Science</i> , 2020, 11, 589.	3.6	12
10	Chlorophyll f synthesis by a super-rogue photosystem II complex. <i>Nature Plants</i> , 2020, 6, 238-244.	9.3	28
11	An Improved Natural Transformation Protocol for the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Frontiers in Plant Science</i> , 2020, 11, 372.	3.6	17
12	A Photosynthesis-Specific Rubredoxin-Like Protein Is Required for Efficient Association of the D1 and D2 Proteins during the Initial Steps of Photosystem II Assembly. <i>Plant Cell</i> , 2019, 31, 2241-2258.	6.6	30
13	Probing the electric field across thylakoid membranes in cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21900-21906.	7.1	24
14	Photosynthetic conversion of CO <sub>2</sub> to hyaluronic acid by engineered strains of the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Algal Research</i> , 2019, 44, 101702.	4.6	21
15	Growth and selection of the cyanobacterium <i>Synechococcus</i> sp. PCC 7002 using alternative nitrogen and phosphorus sources. <i>Metabolic Engineering</i> , 2019, 54, 255-263.	7.0	36
16	Oxygen Production and Reduction in Artificial and Natural Systems. , 2019, , .		1
17	Selective Replacement of the Damaged D1 Reaction Center Subunit During the Repair of the Oxygen-Evolving Photosystem II Complex. , 2019, , 319-338.		0
18	Early emergence of the FtsH proteases involved in photosystem II repair. <i>Photosynthetica</i> , 2018, 56, 163-177.	1.7	22

#	ARTICLE	IF	CITATIONS
19	Ycf48 involved in the biogenesis of the oxygen-evolving photosystem II complex is a seven-bladed beta-propeller protein. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7824-E7833.	7.1	29
20	Enhancing photosynthesis in plants: the light reactions. Essays in Biochemistry, 2018, 62, 85-94.	4.7	90
21	Structure of Psb29/Thf1 and its association with the FtsH protease complex involved in photosystem II repair in cyanobacteria. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160394.	4.0	27
22	Photosynthesis solutions to enhance productivity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160374.	4.0	60
23	Electricity generation from digitally printed cyanobacteria. Nature Communications, 2017, 8, 1327.	12.8	112
24	Association of Psb28 and Psb27 Proteins with PSII-PSI Supercomplexes upon Exposure of Synechocystis sp. PCC 6803 to High Light. Molecular Plant, 2017, 10, 62-72.	8.3	51
25	Pneumatic hydrodynamics influence transplastomic protein yields and biological responses during in vitro shoot regeneration of Nicotiana tabacum callus: Implications for bioprocess routes to plant-made biopharmaceuticals. Biochemical Engineering Journal, 2017, 117, 73-81.	3.6	2
26	Testing the Role of the N-Terminal Tail of D1 in the Maintenance of Photosystem II in Tobacco Chloroplasts. Frontiers in Plant Science, 2016, 7, 844.	3.6	8
27	CyanoP is Involved in the Early Steps of Photosystem II Assembly in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. Plant and Cell Physiology, 2016, 57, 1921-1931.	3.1	26
28	Challenges and perspectives in commercializing plastid transformation technology. Journal of Experimental Botany, 2016, 67, 5945-5960.	4.8	48
29	Identification of the Elusive Pyruvate Reductase of <i>Chlamydomonas reinhardtii</i> Chloroplasts. Plant and Cell Physiology, 2016, 57, 82-94.	3.1	23
30	Temporary Immersion Bioreactors for the Contained Production of Recombinant Proteins in Transplastomic Plants. Methods in Molecular Biology, 2016, 1385, 149-160.	0.9	3
31	Accessibility controls selective degradation of photosystem II subunits by FtsH protease. Nature Plants, 2015, 1, 15168.	9.3	39
32	Subcellular location of FtsH proteases in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 suggests localised PSII repair zones in the thylakoid membranes. Molecular Microbiology, 2015, 96, 448-462.	2.5	43
33	Two essential FtsH proteases control the level of the Fur repressor during iron deficiency in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. Molecular Microbiology, 2014, 94, 609-624.	2.5	42
34	Using site-directed mutagenesis to probe the role of the D2 carotenoid in the secondary electron-transfer pathway of photosystem II. Photosynthesis Research, 2014, 120, 141-152.	2.9	12
35	Solar powered biohydrogen production requires specific localization of the hydrogenase. Energy and Environmental Science, 2014, 7, 3791-3800.	30.8	12
36	Investigating the Photoprotective Role of Cytochrome b-559 in Photosystem II in a Mutant with Altered Ligation of the Haem. Plant and Cell Physiology, 2014, 55, 1276-1285.	3.1	19

#	ARTICLE	IF	CITATIONS
37	Localisation and interactions of the Vipp1 protein in cyanobacteria. <i>Molecular Microbiology</i> , 2014, 94, 1179-1195.	2.5	66
38	Discovery of a Chlorophyll Binding Protein Complex Involved in the Early Steps of Photosystem II Assembly in <i>Synechocystis</i> . <i>Plant Cell</i> , 2014, 26, 1200-1212.	6.6	114
39	Crystal structure of CyanoQ from the thermophilic cyanobacterium <i>Thermosynechococcus elongatus</i> and detection in isolated photosystem II complexes. <i>Photosynthesis Research</i> , 2014, 122, 57-67.	2.9	26
40	Production of leafy biomass using temporary immersion bioreactors: an alternative platform to express proteins in transplastomic plants with drastic phenotypes. <i>Planta</i> , 2013, 237, 903-908.	3.2	28
41	Crystal structure of the Psb28 accessory factor of <i>Thermosynechococcus elongatus</i> photosystem II at 2.3 Å. <i>Photosynthesis Research</i> , 2013, 117, 375-383.	2.9	10
42	Functional Roles of D2-Lys317 and the Interacting Chloride Ion in the Water Oxidation Reaction of Photosystem II As Revealed by Fourier Transform Infrared Analysis. <i>Biochemistry</i> , 2013, 52, 4748-4757.	2.5	58
43	The mTERF protein MOC1 terminates mitochondrial DNA transcription in the unicellular green alga <i>Chlamydomonas reinhardtii</i> . <i>Nucleic Acids Research</i> , 2013, 41, 6553-6567.	14.5	44
44	A Reaction Center-dependent Photoprotection Mechanism in a Highly Robust Photosystem II from an Extremophilic Red Alga, <i>Cyanidioschyzon merolae</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 23529-23542.	3.4	56
45	Compositional and Structural Analyses of the Photosystem II Isolated from the Red Alga <i>Cyanidioschyzon Merolae</i> . <i>Advanced Topics in Science and Technology in China</i> , 2013, , 59-63.	0.1	1
46	Genetic Analysis of the Hox Hydrogenase in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 Reveals Subunit Roles in Association, Assembly, Maturation, and Function. <i>Journal of Biological Chemistry</i> , 2012, 287, 43502-43515.	3.4	40
47	The Psb27 Assembly Factor Binds to the CP43 Complex of Photosystem II in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant Physiology</i> , 2012, 158, 476-486.	4.8	105
48	Subunit Organization of a <i>Synechocystis</i> Hetero-Oligomeric Thylakoid FtsH Complex Involved in Photosystem II Repair. <i>Plant Cell</i> , 2012, 24, 3669-3683.	6.6	56
49	Artificial microRNA-mediated knockdown of pyruvate formate lyase (PFL1) provides evidence for an active 3-hydroxybutyrate production pathway in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biotechnology</i> , 2012, 162, 57-66.	3.8	22
50	Control of electron transport routes through redox-regulated redistribution of respiratory complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11431-11436.	7.1	95
51	Mixed Exciton Charge-Transfer States in Photosystem II: Stark Spectroscopy on Site-Directed Mutants. <i>Biophysical Journal</i> , 2012, 103, 185-194.	0.5	62
52	Investigating the Production of Foreign Membrane Proteins in Tobacco Chloroplasts: Expression of an Algal Plastid Terminal Oxidase. <i>PLoS ONE</i> , 2012, 7, e41722.	2.5	42
53	Expression of the affinity tags, glutathione-S-transferase and maltose-binding protein, in tobacco chloroplasts. <i>Planta</i> , 2012, 235, 863-871.	3.2	26
54	Assembling and maintaining the Photosystem II complex in chloroplasts and cyanobacteria. <i>Current Opinion in Plant Biology</i> , 2012, 15, 245-251.	7.1	248

#	ARTICLE	IF	CITATIONS
55	Crystal structure of the Psb27 assembly factor at 1.6Å...: implications for binding to Photosystem II. <i>Photosynthesis Research</i> , 2012, 110, 169-175.	2.9	26
56	Solar-Driven Hydrogen Production in Green Algae. <i>Advances in Applied Microbiology</i> , 2011, 75, 71-110.	2.4	42
57	Contained and high-level production of recombinant protein in plant chloroplasts using a temporary immersion bioreactor. <i>Plant Biotechnology Journal</i> , 2011, 9, 575-584.	8.3	28
58	Investigating the Early Stages of Photosystem II Assembly in <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2011, 286, 14812-14819.	3.4	85
59	Structure and Physiological Function of NDH-1 Complexes in Cyanobacteria. , 2011, , 445-467.		4
60	Keeping the Green World Alive. , 2011, , 3-22.		3
61	Time-Course Global Expression Profiles of <i>Chlamydomonas reinhardtii</i> during Photo-Biological H <sub>2</sub> Production. <i>PLoS ONE</i> , 2011, 6, e29364.	2.5	37
62	Role of FtsH2 in the repair of Photosystem II in mutants of the cyanobacterium <i>Synechocystis</i> PCC 6803 with impaired assembly or stability of the CaMn <sub>4</sub> cluster. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 566-575.	1.0	43
63	Recent advances in understanding the assembly and repair of photosystem II. <i>Annals of Botany</i> , 2010, 106, 1-16.	2.9	480
64	Structure of CyanoP at 2.8 Å...: Implications for the Evolution and Function of the PsbP Subunit of Photosystem II. <i>Biochemistry</i> , 2010, 49, 7411-7413.	2.5	46
65	Structural and Mutational Analysis of Band 7 Proteins in the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Journal of Bacteriology</i> , 2009, 191, 6425-6435.	2.2	42
66	Site-directed Mutations at D1-Thr179 of Photosystem II in <i>Synechocystis</i> sp. PCC 6803 Modify the Spectroscopic Properties of the Accessory Chlorophyll in the D1-branch of the Reaction Center. <i>Biochemistry</i> , 2008, 47, 3143-3154.	2.5	44
67	The Cyanobacterial Homologue of HCF136/YCF48 Is a Component of an Early Photosystem II Assembly Complex and Is Important for Both the Efficient Assembly and Repair of Photosystem II in <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2008, 283, 22390-22399.	3.4	131
68	Site-directed mutations at D1-His198 and D1-Thr179 of photosystem II in <i>Synechocystis</i> sp. PCC 6803: deciphering the spectral properties of the PSII reaction centre. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 1197-1202.	4.0	21
69	Expression of Inducible Inorganic Carbon Acquisition Complexes Is Under the Control of the FtsH Protease in <i>Synechocystis</i> sp. PCC 6803. , 2008, , 829-833.		0
70	Structural Analysis of an FtsH2/FtsH3 Complex Isolated from <i>Synechocystis</i> sp. PCC 6803. , 2008, , 737-740.		2
71	Cytochrome b-559 Is Important for Modulating Electron Transfer on the Acceptor Side of Photosystem II and for Photoprotection During Assembly of the Mn <sub>4</sub> Ca Complex. , 2008, , 413-417.		1
72	Participation of the C-terminal Region of the D1-polypeptide in the First Steps in the Assembly of the Mn <sub>4</sub> Ca Cluster of Photosystem II. <i>Journal of Biological Chemistry</i> , 2007, 282, 7209-7218.	3.4	32

#	ARTICLE	IF	CITATIONS
73	The Exposed N-Terminal Tail of the D1 Subunit Is Required for Rapid D1 Degradation during Photosystem II Repair in <i>Synechocystis</i> sp PCC 6803. <i>Plant Cell</i> , 2007, 19, 2839-2854.	6.6	77
74	The role of the FtsH and Deg proteases in the repair of UV-B radiation-damaged Photosystem II in the cyanobacterium <i>Synechocystis</i> PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 820-828.	1.0	41
75	Cleavage after residue Ala352 in the C-terminal extension is an early step in the maturation of the D1 subunit of Photosystem II in <i>Synechocystis</i> PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 829-837.	1.0	43
76	Chlororespiratory Pathways and Their Physiological Significance. <i>Advances in Photosynthesis and Respiration</i> , 2007, , 237-251.	1.0	20
77	FtsH protease is required for induction of inorganic carbon acquisition complexes in <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Microbiology</i> , 2007, 65, 728-740.	2.5	23
78	The FtsH Protease slr0228 Is Important for Quality Control of Photosystem II in the Thylakoid Membrane of <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2006, 281, 1145-1151.	3.4	133
79	The Deg Proteases Protect <i>Synechocystis</i> sp. PCC 6803 during Heat and Light Stresses but Are Not Essential for Removal of Damaged D1 Protein during the Photosystem Two Repair Cycle. <i>Journal of Biological Chemistry</i> , 2006, 281, 30347-30355.	3.4	60
80	Protection against tetanus toxin using a plant-based vaccine. <i>European Journal of Immunology</i> , 2005, 35, 1320-1326.	2.9	56
81	Open Reading Frame <i>ssr2016</i> is Required for Antimycin A-sensitive Photosystem I-driven Cyclic Electron Flow in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant and Cell Physiology</i> , 2005, 46, 1433-1436.	3.1	108
82	NAB1 Is an RNA Binding Protein Involved in the Light-Regulated Differential Expression of the Light-Harvesting Antenna of <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2005, 17, 3409-3421.	6.6	136
83	The role of D1-Ala344 in charge stabilization and recombination in Photosystem II. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 1049.	2.9	13
84	The D1 and D2 Core Proteins. , 2005, , 71-93.		12
85	FtsH-mediated repair of the photosystem II complex in response to light stress. <i>Journal of Experimental Botany</i> , 2004, 56, 357-363.	4.8	175
86	Subunit Composition of NDH-1 Complexes of <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 2004, 279, 28165-28173.	3.4	109
87	The Nucleus-encoded Protein MOC1 Is Essential for Mitochondrial Light Acclimation in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 50366-50374.	3.4	99
88	The function of D1-H332 in Photosystem II electron transport studied by thermoluminescence and chlorophyll fluorescence in site-directed mutants of <i>Synechocystis</i> 6803. <i>FEBS Journal</i> , 2004, 271, 3523-3532.	0.2	47
89	New advances in the production of edible plant vaccines: chloroplast expression of a tetanus vaccine antigen, TetC. <i>Phytochemistry</i> , 2004, 65, 989-994.	2.9	37
90	Coordination of proton and electron transfer from the redox-active tyrosine, YZ, of Photosystem II and examination of the electrostatic influence of oxidized tyrosine, YD <sup>E</sup> ™(H+). <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4844-4850.	2.8	31

#	ARTICLE	IF	CITATIONS
91	Location, expression and orientation of the putative chlororespiratory enzymes, Ndh and IMMUTANS, in higher-plant plastids. <i>Planta</i> , 2003, 218, 254-260.	3.2	109
92	Expression of tetanus toxin Fragment C in tobacco chloroplasts. <i>Nucleic Acids Research</i> , 2003, 31, 1174-1179.	14.5	204
93	FtsH Is Involved in the Early Stages of Repair of Photosystem II in <i>Synechocystis</i> sp PCC 6803 [W]. <i>Plant Cell</i> , 2003, 15, 2152-2164.	6.6	212
94	A Critical Role for the Var2 FtsH Homologue of <i>Arabidopsis thaliana</i> in the Photosystem II Repair Cycle in Vivo. <i>Journal of Biological Chemistry</i> , 2002, 277, 2006-2011.	3.4	253
95	Involvement of the HtrA family of proteases in the protection of the cyanobacterium <i>Synechocystis</i> PCC 6803 from light stress and in the repair of photosystem II. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 1461-1468.	4.0	29
96	Kinetics and Pathways of Charge Recombination in Photosystem II. <i>Biochemistry</i> , 2002, 41, 8518-8527.	2.5	340
97	Site-Directed Mutations at D1-His198 and D2-His197 of Photosystem II in <i>Synechocystis</i> PCC 6803: Sites of Primary Charge Separation and Cation and Triplet Stabilization. <i>Biochemistry</i> , 2001, 40, 9265-9281.	2.5	233
98	Auxiliary functions in photosynthesis: the role of the FtsH protease. <i>Biochemical Society Transactions</i> , 2001, 29, 455-459.	3.4	19
99	Photosynthetic Water Oxidation in Cytochrome b559 Mutants Containing a Disrupted Heme-binding Pocket. <i>Journal of Biological Chemistry</i> , 2001, 276, 31986-31993.	3.4	31
100	Regulation of Photosynthetic Electron Transport. , 2001, , 533-555.		4
101	Degradation of the Photosystem II D1 and D2 proteins in different strains of the cyanobacterium <i>Synechocystis</i> PCC 6803 varying with respect to the type and level of psbA transcript. <i>Plant Molecular Biology</i> , 2000, 42, 635-645.	3.9	48
102	Dual-Mode EPR Detects the Initial Intermediate in Photoassembly of the Photosystem II Mn Cluster: The Influence of Amino Acid Residue 170 of the D1 Polypeptide on Mn Coordination. <i>Journal of the American Chemical Society</i> , 2000, 122, 3754-3761.	13.7	140
103	Assignment of the Qy Absorbance Bands of Photosystem II Chromophores by Low-Temperature Optical Spectroscopy of Wild-Type and Mutant Reaction Centers. <i>Biochemistry</i> , 2000, 39, 14583-14594.	2.5	37
104	Chlororespiration. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 1541-1547.	4.0	105
105	Isotopic labelling of the polypeptide subunits of the isolated photosystem II reaction-centre complex of <i>Chlamydomonas reinhardtii</i> suggests an $\hat{I}\hat{I}^2$ heterodimeric structure for cytochrome b-559. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1999, 48, 148-153.	3.8	2
106	Isolation of state transition mutants of <i>Chlamydomonas reinhardtii</i> by fluorescence video imaging. <i>Photosynthesis Research</i> , 1999, 61, 43-51.	2.9	46
107	Title is missing!. <i>Photosynthesis Research</i> , 1999, 62, 205-217.	2.9	4
108	Reply... Chlororespiration: only half a story. <i>Trends in Plant Science</i> , 1999, 4, 51.	8.8	5

#	ARTICLE	IF	CITATIONS
109	Judging the homoplasmic state of plastid transformants. <i>Trends in Plant Science</i> , 1998, 3, 376-377.	8.8	29
110	The chloroplast Ndh complex mediates the dark reduction of the plastoquinone pool in response to heat stress in tobacco leaves. <i>FEBS Letters</i> , 1998, 429, 115-118.	2.8	122
111	Modulation of Quantum Yield of Primary Radical Pair Formation in Photosystem II by Site-Directed Mutagenesis Affecting Radical Cations and Anions. <i>Biochemistry</i> , 1998, 37, 17439-17447.	2.5	87
112	Identification of a functional respiratory complex in chloroplasts through analysis of tobacco mutants containing disrupted plastid ndh genes. <i>EMBO Journal</i> , 1998, 17, 868-876.	7.8	446
113	Mutation of Residue Threonine-2 of the D2 Polypeptide and Its Effect on Photosystem II Function in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 1998, 117, 515-524.	4.8	28
114	The Chloroplast-encoded $\hat{\pm}$ Subunit of Cytochrome b-559 Is Required for Assembly of the Photosystem Two Complex in both the Light and the Dark in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 29315-29320.	3.4	76
115	The plastid ndh genes code for an NADH-specific dehydrogenase: Isolation of a complex I analogue from pea thylakoid membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 1319-1324.	7.1	200
116	Identification of Chlorophyll Anion States During Charge Separation in Mutant Photosystem II Reaction Centres. , 1998, , 1041-1044.		2
117	Reduced Turnover of the D1 Polypeptide and Photoactivation of Electron Transfer in Novel Herbicide Resistant Mutants of <i>Synechocystis</i> sp. PCC 6803. <i>FEBS Journal</i> , 1997, 248, 731-740.	0.2	26
118	Detection and characterization of a complex I-like NADH-specific dehydrogenase from pea thylakoids. <i>Biochemical Society Transactions</i> , 1996, 24, 739-743.	3.4	45
119	The luminal loop connecting transmembrane helices I and II of the D1 polypeptide is important for assembly of the photosystem two complex. <i>Photosynthesis Research</i> , 1996, 50, 79-91.	2.9	4
120	Photosystem II and oxygen regulation in <i>Sesbania rostrata</i> stem nodules. <i>Plant, Cell and Environment</i> , 1996, 19, 895-910.	5.7	30
121	Comparison of Primary Charge Separation in the Photosystem II Reaction Center Complex Isolated from Wild-type and D1-130 Mutants of the Cyanobacterium <i>Synechocystis</i> PCC 6803. <i>Journal of Biological Chemistry</i> , 1996, 271, 2093-2101.	3.4	74
122	Turnover of the D1 protein and of Photosystem II in a <i>Synechocystis</i> 6803 mutant lacking Tyrz. <i>Photosynthesis Research</i> , 1995, 45, 99-104.	2.9	10
123	Isolation and characterisation of the Photosystem two reaction centre complex from a double mutant of <i>Chlamydomonas reinhardtii</i> . <i>Photosynthesis Research</i> , 1995, 43, 165-171.	2.9	21
124	Deletion of the PEST-like Region of Photosystem Two Modifies the QB-binding Pocket but Does Not Prevent Rapid Turnover of D1. <i>Journal of Biological Chemistry</i> , 1995, 270, 14919-14927.	3.4	72
125	Nucleotide sequence of the psbE, psbF and trnM genes from the chloroplast genome of <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1188, 439-442.	1.0	16
126	Comparison of primary electron transfer in Photosystem II reaction centres isolated from the higher plant <i>Pisum sativum</i> and the green alga <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1186, 247-251.	1.0	12



#	ARTICLE	IF	CITATIONS
127	Analysis of water-oxidation mutants constructed in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Biochemical Society Transactions</i> , 1994, 22, 338-343.	3.4	66
128	Role of the carboxy-terminus of polypeptide D1 in the assembly of a functional water-oxidizing manganese cluster in photosystem II of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803:assembly requires a free carboxyl group at C-terminal position 344. <i>Biochemistry</i> , 1992, 31, 10859-10871.	2.5	239
129	Aspartate 170 of the photosystem II reaction center polypeptide D1 is involved in the assembly of the oxygen-evolving manganese cluster. <i>Biochemistry</i> , 1992, 31, 942-948.	2.5	266
130	Site-directed mutagenesis of photosynthetic reaction centers. <i>Current Opinion in Structural Biology</i> , 1991, 1, 546-554.	5.7	112
131	A <i>Synechocystis</i> PCC 6803 psbA Deletion Mutant and Its Transformation with a psbA Gene from a Higher Plant. , 1990, , 471-474.		13
132	Directed alteration of the D1 polypeptide of photosystem II: evidence that tyrosine-161 is the redox component, Z, connecting the oxygen-evolving complex to the primary electron donor, P680. <i>Biochemistry</i> , 1989, 28, 6960-6969.	2.5	339
133	Characterisation of the D1 protein in a photosystem II mutant (LF-1) of <i>Scenedesmus obliquus</i> blocked on the oxidising side Evidence supporting non-processing of D1 as the cause of the lesion. <i>FEBS Letters</i> , 1988, 235, 109-116.	2.8	29
134	Immunological evidence for the presence of the D1 and D2 proteins in PS II cores of higher plants. <i>FEBS Letters</i> , 1986, 209, 83-86.	2.8	45