

Peter J Nixon

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82
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142
ext. papers

7,969
ext. citations

6.6
avg, IF

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L-index

#	Paper	IF	Citations
136	Recent advances in understanding the assembly and repair of photosystem II. <i>Annals of Botany</i> , 2010 , 106, 1-16	4.1	405
135	Identification of a functional respiratory complex in chloroplasts through analysis of tobacco mutants containing disrupted plastid ndh genes. <i>EMBO Journal</i> , 1998 , 17, 868-76	13	379
134	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, 6960-9	3.2	319
133	Kinetics and pathways of charge recombination in photosystem II. <i>Biochemistry</i> , 2002 , 41, 8518-27	3.2	305
132	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, 942-8	3.2	249
131	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, 10859-71	3.2	213
130	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, 9265-81	3.2	211
129	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, 2006-11	5.4	210
128	Assembling and maintaining the Photosystem II complex in chloroplasts and cyanobacteria. <i>Current Opinion in Plant Biology</i> , 2012 , 15, 245-51	9.9	201
127	Expression of tetanus toxin Fragment C in tobacco chloroplasts. <i>Nucleic Acids Research</i> , 2003 , 31, 1174-920.1	182	
126	FtsH is involved in the early stages of repair of photosystem II in <i>Synechocystis</i> sp PCC 6803. <i>Plant Cell</i> , 2003 , 15, 2152-64	11.6	177
125	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, 1319-24	11.5	172
124	FtsH-mediated repair of the photosystem II complex in response to light stress. <i>Journal of Experimental Botany</i> , 2005 , 56, 357-63	7	152
123	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	16.4	119
122	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, 1145-51	5.4	118
121	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, 3409-21	11.6	114
120	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, 22390-9	5.4	108

119	Site-directed mutagenesis of photosynthetic reaction centers. <i>Current Opinion in Structural Biology</i> , 1991 , 1, 546-554	8.1	107
118	Subunit composition of NDH-1 complexes of <i>Synechocystis</i> sp. PCC 6803: identification of two new ndh gene products with nuclear-encoded homologues in the chloroplast Ndh complex. <i>Journal of Biological Chemistry</i> , 2004 , 279, 28165-73	5.4	101
117	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, 115-8	3.8	97
116	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, 1200-12	11.6	92
115	Location, expression and orientation of the putative chlororespiratory enzymes, Ndh and IMMUTANS, in higher-plant plastids. <i>Planta</i> , 2003 , 218, 254-60	4.7	91
114	Chlororespiration. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000 , 355, 1541-75.8		91
113	The nucleus-encoded protein MOC1 is essential for mitochondrial light acclimation in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2004 , 279, 50366-74	5.4	89
112	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, 1433-6	4.9	87
111	The <i>Psb27</i> 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, 476-86	6.6	83
110	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, 17439-47	3.2	75
109	Electricity generation from digitally printed cyanobacteria. <i>Nature Communications</i> , 2017 , 8, 1327	17.4	74
108	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, 11431-6	11.5	72
107	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, 2839-54	11.6	68
106	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, 2093-101	5.4	67
105	Investigating the early stages of photosystem II assembly in <i>Synechocystis</i> sp. PCC 6803: isolation of CP47 and CP43 complexes. <i>Journal of Biological Chemistry</i> , 2011 , 286, 14812-9	5.4	66
104	The chloroplast-encoded alpha 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, 29315-20	5.4	65
103	Analysis of water-oxidation mutants constructed in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Biochemical Society Transactions</i> , 1994 , 22, 338-43	5.1	63
102	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, 14919-27	5.4	62

101	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, 30347-55	5.4	55
100	Localisation and interactions of the Vipp1 protein in cyanobacteria. <i>Molecular Microbiology</i> , 2014 , 94, 1179	4.1	53
99	Mixed exciton-charge-transfer states in photosystem II: Stark spectroscopy on site-directed mutants. <i>Biophysical Journal</i> , 2012 , 103, 185-94	2.9	52
98	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, 4748-57	3.2	50
97	Protection against tetanus toxin using a plant-based vaccine. <i>European Journal of Immunology</i> , 2005 , 35, 1320-6	6.1	50
96	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, 23529-42	5.4	48
95	Enhancing photosynthesis in plants: the light reactions. <i>Essays in Biochemistry</i> , 2018 , 62, 85-94	7.6	46
94	Photosynthesis solutions to enhance productivity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	45
93	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, 7411-3	3.2	45
92	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, 3523-32		43
91	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, 635-45	4.6	43
90	Detection and characterization of a complex I-like NADH-specific dehydrogenase from pea thylakoids. <i>Biochemical Society Transactions</i> , 1996 , 24, 739-43	5.1	42
89	Newly discovered <i>Synechococcus</i> sp. PCC 11901 is a robust cyanobacterial strain for high biomass production. <i>Communications Biology</i> , 2020 , 3, 215	6.7	40
88	Subunit organization of a <i>synechocystis</i> hetero-oligomeric thylakoid FtsH complex involved in photosystem II repair. <i>Plant Cell</i> , 2012 , 24, 3669-83	11.6	40
87	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	3.8	40
86	The mTERF protein MOC1 terminates mitochondrial DNA transcription in the unicellular green alga <i>Chlamydomonas reinhardtii</i> . <i>Nucleic Acids Research</i> , 2013 , 41, 6553-67	20.1	39
85	Solar-driven hydrogen production in green algae. <i>Advances in Applied Microbiology</i> , 2011 , 75, 71-110	4.9	39
84	Isolation of state transition mutants of <i>Chlamydomonas reinhardtii</i> by fluorescence video imaging. <i>Photosynthesis Research</i> , 1999 , 61, 43-51	3.7	39

83	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, 6425-35	3.5	38
82	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, 829-37	4.6	38
81	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, 3143-54	3.2	37
80	Challenges and perspectives in commercializing plastid transformation technology. <i>Journal of Experimental Botany</i> , 2016 , 67, 5945-5960	7	37
79	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(4) cluster. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 566-75	4.6	35
78	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, 820-8	4.6	35
77	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, 14583-94	3.2	35
76	Association of Psb28 and Psb27 Proteins with PSII-PSI Supercomplexes upon Exposure of <i>Synechocystis</i> sp. PCC 6803 to High Light. <i>Molecular Plant</i> , 2017 , 10, 62-72	14.4	33
75	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, 43502-15	5.4	33
74	Two essential FtsH proteases control the level of the Fur repressor during iron deficiency in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Microbiology</i> , 2014 , 94, 609-24	4.1	32
73	Investigating the production of foreign membrane proteins in tobacco chloroplasts: expression of an algal plastid terminal oxidase. <i>PLoS ONE</i> , 2012 , 7, e41722	3.7	31
72	New advances in the production of edible plant vaccines: chloroplast expression of a tetanus vaccine antigen, TetC. <i>Phytochemistry</i> , 2004 , 65, 989-94	4	31
71	Sub-cellular location of FtsH proteases in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 suggests localised PSII repair zones in the thylakoid membranes. <i>Molecular Microbiology</i> , 2015 , 96, 448-62	4.1	30
70	Time-course global expression profiles of <i>Chlamydomonas reinhardtii</i> during photo-biological H ₂ production. <i>PLoS ONE</i> , 2011 , 6, e29364	3.7	30
69	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(H ⁺). <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 4844-4850	3.6	29
68	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, 515-24	6.6	28
67	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	3.8	28
66	Photosystem II and oxygen regulation in <i>Sesbania rostrata</i> stem nodules. <i>Plant, Cell and Environment</i> , 1996 , 19, 895-910	8.4	27

65	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, 903-8	4.7	26
64	Photosynthetic water oxidation in cytochrome b(559) mutants containing a disrupted heme-binding pocket. <i>Journal of Biological Chemistry</i> , 2001 , 276, 31986-93	5.4	26
63	Judging the homoplastomic state of plastid transformants. <i>Trends in Plant Science</i> , 1998 , 3, 376-377	13.1	25
62	Crystal structure of the Psb27 assembly factor at 1.6Å implications for binding to Photosystem II. <i>Photosynthesis Research</i> , 2012 , 110, 169-75	3.7	24
61	Contained and high-level production of recombinant protein in plant chloroplasts using a temporary immersion bioreactor. <i>Plant Biotechnology Journal</i> , 2011 , 9, 575-84	11.6	24
60	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, 731-40		24
59	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, 1461-7; discussion 1467-70	5.8	24
58	Accessibility controls selective degradation of photosystem II subunits by FtsH protease. <i>Nature Plants</i> , 2015 , 1, 15168	11.5	23
57	Participation of the C-terminal region of the D1-polypeptide in the first steps in the assembly of the Mn4Ca cluster of photosystem II. <i>Journal of Biological Chemistry</i> , 2007 , 282, 7209-18	5.4	23
56	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	9.7	22
55	FtsH protease is required for induction of inorganic carbon acquisition complexes in <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Microbiology</i> , 2007 , 65, 728-40	4.1	22
54	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	3.7	21
53	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	3.7	20
52	Identification of the Elusive Pyruvate Reductase of <i>Chlamydomonas reinhardtii</i> Chloroplasts. <i>Plant and Cell Physiology</i> , 2016 , 57, 82-94	4.9	19
51	Ycf48 involved in the biogenesis of the oxygen-evolving photosystem II complex is a seven-bladed beta-propeller protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E7824-E7833	11.5	19
50	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, 1197-202; discussion 1202	5.8	19
49	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, 165-71	3.7	19
48	CyanoP is Involved in the Early Steps of Photosystem II Assembly in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant and Cell Physiology</i> , 2016 , 57, 1921-31	4.9	18

47	Expression of the affinity tags, glutathione-S-transferase and maltose-binding protein, in tobacco chloroplasts. <i>Planta</i> , 2012 , 235, 863-71	4.7	17
46	Structure of Psb29/Thf1 and its association with the FtsH protease complex involved in photosystem II repair in cyanobacteria. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	16
45	Auxiliary functions in photosynthesis: the role of the FtsH protease. <i>Biochemical Society Transactions</i> , 2001 , 29, 455-9	5.1	16
44	Photosynthetic conversion of CO ₂ to hyaluronic acid by engineered strains of the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>Algal Research</i> , 2019 , 44, 101702	5	14
43	Chlororespiratory Pathways and Their Physiological Significance. <i>Advances in Photosynthesis and Respiration</i> , 2007 , 237-251	1.7	14
42	Early emergence of the FtsH proteases involved in photosystem II repair. <i>Photosynthetica</i> , 2018 , 56, 163-177	4.7	13
41	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	11.6	13
40	Investigating the photoprotective role of cytochrome b-559 in photosystem II in a mutant with altered ligation of the haem. <i>Plant and Cell Physiology</i> , 2014 , 55, 1276-85	4.9	13
39	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, 439-42	4.6	13
38	The role of D1-Ala344 in charge stabilization and recombination in Photosystem II. <i>Photochemical and Photobiological Sciences</i> , 2005 , 4, 1049-54	4.2	12
37	Probing the biogenesis pathway and dynamics of thylakoid membranes. <i>Nature Communications</i> , 2021 , 12, 3475	17.4	12
36	Using site-directed mutagenesis to probe the role of the D2 carotenoid in the secondary electron-transfer pathway of photosystem II. <i>Photosynthesis Research</i> , 2014 , 120, 141-52	3.7	11
35	A <i>Synechocystis</i> PCC 6803 psbA Deletion Mutant and Its Transformation with a psbA Gene from a Higher Plant 1990 , 471-474		11
34	Chlorophyll f synthesis by a super-rogue photosystem II complex. <i>Nature Plants</i> , 2020 , 6, 238-244	11.5	10
33	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	11.5	10
32	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	4.6	10
31	Solar powered biohydrogen production requires specific localization of the hydrogenase. <i>Energy and Environmental Science</i> , 2014 , 7, 3791-3800	35.4	9
30	Crystal structure of the Psb28 accessory factor of <i>Thermosynechococcus elongatus</i> photosystem II at 2.3 Å <i>Photosynthesis Research</i> , 2013 , 117, 375-83	3.7	9

29	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	3.7	8
28	An Improved Natural Transformation Protocol for the Cyanobacterium sp. PCC 6803. <i>Frontiers in Plant Science</i> , 2020 , 11, 372	6.2	6
27	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	6.2	5
26	Testing the Role of the N-Terminal Tail of D1 in the Maintenance of Photosystem II in Tobacco Chloroplasts. <i>Frontiers in Plant Science</i> , 2016 , 7, 844	6.2	5
25	The D1 and D2 Core Proteins 2005 , 71-93		5
24	Crystal Structure of Geranylgeranyl Pyrophosphate Synthase (CrtE) Involved in Cyanobacterial Terpenoid Biosynthesis. <i>Frontiers in Plant Science</i> , 2020 , 11, 589	6.2	4
23	Mutation of the <i>Chlamydomonas reinhardtii</i> analogue of residue M210 of the <i>Rhodobacter sphaeroides</i> reaction center slows primary electron transfer in Photosystem II. <i>Photosynthesis Research</i> , 1999 , 62, 205-217	3.7	4
22	Reply. Chlororespiration: only half a story. <i>Trends in Plant Science</i> , 1999 , 4, 51	13.1	4
21	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	3.7	4
20	Structure and Physiological Function of NDH-1 Complexes in Cyanobacteria 2011 , 445-467		4
19	The Photosystem II Assembly Factor Ycf48 from the Cyanobacterium sp. PCC 6803 Is Lipidated Using an Atypical Lipobox Sequence. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
18	Keeping the Green World Alive 2011 , 3-22		3
17	Temporary Immersion Bioreactors for the Contained Production of Recombinant Proteins in Transplastomic Plants. <i>Methods in Molecular Biology</i> , 2016 , 1385, 149-60	1.4	3
16	Unprecedented biomass and fatty acid production by the newly discovered cyanobacterium <i>Synechococcus</i> sp. PCC 11901		3
15	Regulation of Photosynthetic Electron Transport 2001 , 533-555		3
14	Pneumatic hydrodynamics influence transplastomic protein yields and biological responses during shoot regeneration of callus: Implications for bioprocess routes to plant-made biopharmaceuticals. <i>Biochemical Engineering Journal</i> , 2017 , 117, 73-81	4.2	2
13	Isotopic labelling of the polypeptide subunits of the isolated photosystem II reaction-centre complex of <i>Chlamydomonas reinhardtii</i> suggests a heterodimeric structure for cytochrome b-559. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1999 , 48, 148-153	6.7	2
12	Identification of Chlorophyll Anion States During Charge Separation in Mutant Photosystem II Reaction Centres 1998 , 1041-1044		2

11	Assembly of D1/D2 complexes of photosystem II: binding of pigments and a network of auxiliary proteins.. <i>Plant Physiology</i> , 2022 ,	6.6	1
10	Stoichiometry of Cytochrome b-559 within the Isolated Photosystem Two Reaction Centre Complex of <i>Chlamydomonas Reinhardtii</i> as Determined by Isotopic Labelling of the Polypeptide Subunits 1995 , 895-898		1
9	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	0.2	1
8	Photosystem II in a State of Disassembly. <i>Joule</i> , 2020 , 4, 2082-2084	27.8	1
7	Structural Analysis of an FtsH2/FtsH3 Complex Isolated from <i>Synechocystis</i> sp. PCC 6803 2008 , 737-740		1
6	Cytochrome b-559 Is Important for Modulating Electron Transfer on the Acceptor Side of Photosystem II and for Photoprotection During Assembly of the Mn4Ca Complex 2008 , 413-417		1
5	Recent Advances in Understanding the Structural and Functional Evolution of FtsH Proteases.. <i>Frontiers in Plant Science</i> , 2022 , 13, 837528	6.2	0
4	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		
3	Selective Replacement of the Damaged D1 Reaction Center Subunit During the Repair of the Oxygen-Evolving Photosystem II Complex 2019 , 319-338		
2	Elucidating Functional Aspects of LHCII Phosphorylation by DNA Insertional Mutagenesis in the Green Alga <i>Chlamydomonas Reinhardtii</i> 1998 , 1915-1918		
1	Remembering James Barber (1940-2020).. <i>Photosynthesis Research</i> , 2022 , 1	3.7	