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List of Publications by Year
in descending order

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49 papers	2,501 citations	172457 29 h-index	265206 42 g-index
49 all docs	49 docs citations	49 times ranked	1505 citing authors

#	Article	IF	Citations
1	Mutational Analysis of Photosystem I of Synechocystis sp. PCC 6803: The Role of Four Conserved Aromatic Residues in the j-helix of PsaB. PLoS ONE, 2011, 6, e24625.	2.5	7
2	Identification and bioinformatic analysis of the membrane proteins of synechocystis sp. PCC 6803. Proteome Science, 2009, 7, 11.	1.7	19
3	Evidence for Asymmetric Electron Transfer in Cyanobacterial Photosystem I:Â Analysis of a Methionine-to-Leucine Mutation of the Ligand to the Primary Electron Acceptor A0â€. Biochemistry, 2004, 43, 4741-4754.	2.5	101
4	Electrochromic Shift of Chlorophyll Absorption in Photosystem I from Synechocystis sp. PCC 6803: A Probe of Optical and Dielectric Properties around the Secondary Electron Acceptor. Biophysical Journal, 2004, 86, 3121-3130.	0.5	42
5	Associating protein activities with their genes: rapid identification of a gene encoding a methylglyoxal reductase in the yeastSaccharomyces cerevisiae. Yeast, 2003, 20, 545-554.	1.7	54
6	The menD and menE homologs code for 2-succinyl-6-hydroxyl-2,4-cyclohexadiene-1-carboxylate synthase and O-succinylbenzoic acidâ€“CoA synthase in the phylloquinone biosynthetic pathway of Synechocystis sp. PCC 6803. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1557, 67-76.	1.0	30
7	Insertional Inactivation of themenGGene, Encoding 2-Phytyl-1,4-Naphthoquinone Methyltransferase ofSynechocystissp. PCC 6803, Results in the Incorporation of 2-Phytyl-1,4-Naphthoquinone into the A1Site and Alteration of the Equilibrium Constant between A1and FXin Photosystem Iâ€. Biochemistry, 2002, 41, 394-405.	2.5	56
8	The Two Histidine Axial Ligands of the Primary Electron Donor Chlorophylls (P700) in Photosystem I Are Similarly Perturbed upon P700+ Formation. Biochemistry, 2002, 41, 11200-11210.	2.5	31
9	Proteins of the cyanobacterial photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1507, 32-40.	1.0	33
10	PHOTOSYSTEMI: Function and Physiology. Annual Review of Plant Biology, 2001, 52, 593-626.	14.3	222
11	Kinetics of Charge Separation and A0- â†' A1 Electron Transfer in Photosystem I Reaction Centers. Biochemistry, 2001, 40, 9282-9290.	2.5	64
12	The proteome of maize leaves: Use of gene sequences and expressed sequence tag data for identification of proteins with peptide mass fingerprints. Electrophoresis, 2001, 22, 1724-1738.	2.4	145
13	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2001, 276, 39512-39521.	3.4	65
14	Biogenesis and assembly of the membrane protein photo-system I. Biochemical Society Transactions, 2000, 28, A406-A406.	3.4	0
15	Proteomic study of the peripheral proteins from thylakoid membranes of the cyanobacteriumSynechocystis sp. PCC 6803. Electrophoresis, 2000, 21, 1746-1754.	2.4	72
16	Negatively charged residues in the H loop of PsaB subunit in Photosystem I from Synechocystis sp. PCC 6803 appear to be responsible for electrostatic repulsions with plastocyanin*. Photosynthesis Research, 2000, 65, 63-68.	2.9	5
17	Targeted inactivation of the psaK1, psaK2 and psaM genes encoding subunits of Photosystem I in the cyanobacterium Synechocystis sp. PCC 6803. Photosynthesis Research, 2000, 63, 225-236.	2.9	34
18	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2000, 275, 8523-8530.	3.4	123

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19	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2000, 275, 8531-8539.	3.4	83
20	Ultrafast Primary Processes in PS I from Synechocystis sp. PCC 6803: Roles of P700 and A0. Biophysical Journal, 2000, 79, 1573-1586.	0.5	77
21	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2000, 275, 23429-23438.	3.4	89
22	Oxidizing Side of the Cyanobacterial Photosystem I. Journal of Biological Chemistry, 1999, 274, 19048-19054.	3.4	39
23	Characterization of Two Photosynthetic Mutants of Maize1. Plant Physiology, 1999, 120, 1129-1136.	4.8	10
24	Title is missing!. Photosynthesis Research, 1999, 62, 241-250.	2.9	2
25	Ultrafast Primary Processes in Photosystem I of the Cyanobacterium Synechocystis sp. PCC 6803. Biophysical Journal, 1999, 76, 3278-3288.	0.5	63
26	Structural features and assembly of the soluble overexpressed PsaD subunit of photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1410, 7-18.	1.0	13
27	Electronic Spectra of PS I Mutants: The Peripheral Subunits Do Not Bind Red Chlorophylls in Synechocystis sp. PCC 6803. Biophysical Journal, 1999, 76, 2711-2715.	0.5	29
28	Function and Molecular Genetics of Photosystem I. , 1999, , 221-262.		4
29	[8] Isolation and functional study of photosystem I subunits in the cyanobacterium Synechocystis sp. PCC 6803. Methods in Enzymology, 1998, 297, 124-139.	1.0	41
30	Structural Organization of the Major Subunits in Cyanobacterial Photosystem 1. Journal of Biological Chemistry, 1997, 272, 17061-17069.	3.4	85
31	Topography of the Photosystem I Core Proteins of the Cyanobacterium Synechocystis sp. PCC 6803. Journal of Biological Chemistry, 1997, 272, 21793-21802.	3.4	22
32	Crystallization of Intact and Subunit L-Deficient Monomers from Synechocystis PCC 6803 Photosystem I. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1996, 51, 195-199.	1.4	11
33	Mutational Analysis of Photosystem I Polypeptides. Journal of Biological Chemistry, 1996, 271, 11772-11780.	3.4	51
34	Function and organization of Photosystem I polypeptides. Photosynthesis Research, 1995, 44, 23-40.	2.9	120
35	The carboxyl-terminal region of the spinach PsaD subunit contains information for its specific assembly into plant thylakoids. Photosynthesis Research, 1995, 44, 157-164.	2.9	5
36	Assembly of the chlorophyll-protein complexes. Photosynthesis Research, 1995, 44, 165-181.	2.9	10

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37	Mutational Analysis of Photosystem I Polypeptides in the Cyanobacterium Synechocystis sp. PCC 6803. TARGETED INACTIVATION OF psaI REVEALS THE FUNCTION OF PsaI IN THE STRUCTURAL ORGANIZATION OF PsaL. Journal of Biological Chemistry, 1995, 270, 16243-16250.	3.4	75
38	Targeted deletion of psaJ from the cyanobacterium Synechocystis sp. PCC 6803 indicates structural interactions between the PsaJ and PsaF subunits of photosystem I. Plant Molecular Biology, 1994, 26, 291-302.	3.9	37
39	Cloning and sequence analysis of the gene encoding the low potential cytochromecofSynechocystisPCC 6803. FEBS Letters, 1994, 344, 5-9.	2.8	18
40	Stable assembly of PsaE into cyanobacterial photosynthetic membranes is dependent on the presence of other accessory subunits of photosystem I. Plant Molecular Biology, 1993, 23, 895-900.	3.9	25
41	PsaL subunit is required for the formation of photosystem I trimers in the cyanobacteriumSynechocystissp. PCC 6803. FEBS Letters, 1993, 336, 330-334.	2.8	212
42	Biogenesis of Photosystem I. , 1992, , 285-290.		6
43	Photosystem I. , 1991, , 177-224.		13
44	Molecular and Cellular Biology of the Major Light-harvesting Pigment-protein (LHCIIb) of Higher Plants. , 1989, , 373-387.		1
45	Assembly of the barley light-harvesting chlorophyll a/b proteins in barley etiochloroplasts involves processing of the precursor on thylakoids. Plant Molecular Biology, 1988, 11, 95-107.	3.9	48
46	The major light-harvesting complex of Photosystem II: aspects of its molecular and cell biology. Photosynthesis Research, 1988, 16, 41-63.	2.9	115
47	The major light-harvesting complex of Photosystem II: aspects of its molecular and cell biology. , 1988, , 259-281.		3
48	Insertion of the precursor of the light-harvesting chlorophylla/b-protein into the thylakoids requires the presence of a developmentally regulated stromal factor. Plant Molecular Biology, 1987, 10, 3-11.	3.9	80
49	Some Requirements for the Insertion of the Precursor of Apoproteins of Lemna Light-Harvesting Complex II into Barley Thylakoids. , 1987, , 573-576.		11