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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	PHOTOSYSTEMI: Function and Physiology. Annual Review of Plant Biology, 2001, 52, 593-626.	14.3	222
2	PsaL subunit is required for the formation of photosystem I trimers in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. FEBS Letters, 1993, 336, 330-334.	2.8	212
3	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
4	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2000, 275, 8523-8530.	3.4	123
5	Function and organization of Photosystem I polypeptides. Photosynthesis Research, 1995, 44, 23-40.	2.9	120
6	The major light-harvesting complex of Photosystem II: aspects of its molecular and cell biology. Photosynthesis Research, 1988, 16, 41-63.	2.9	115
7	Evidence for Asymmetric Electron Transfer in Cyanobacterial Photosystem I: Analysis of a Methionine-to-Leucine Mutation of the Ligand to the Primary Electron Acceptor A0. Biochemistry, 2004, 43, 4741-4754.	2.5	101
8	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2000, 275, 23429-23438.	3.4	89
9	Structural Organization of the Major Subunits in Cyanobacterial Photosystem I. Journal of Biological Chemistry, 1997, 272, 17061-17069.	3.4	85
10	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2000, 275, 8531-8539.	3.4	83
11	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
12	Ultrafast Primary Processes in PS I from <i>Synechocystis</i> sp. PCC 6803: Roles of P700 and A0. Biophysical Journal, 2000, 79, 1573-1586.	0.5	77
13	Mutational Analysis of Photosystem I Polypeptides in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. TARGETED INACTIVATION OF <i>psaL</i> REVEALS THE FUNCTION OF <i>PsaL</i> IN THE STRUCTURAL ORGANIZATION OF <i>PsaL</i> . Journal of Biological Chemistry, 1995, 270, 16243-16250.	3.4	75
14	Proteomic study of the peripheral proteins from thylakoid membranes of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. Electrophoresis, 2000, 21, 1746-1754.	2.4	72
15	Recruitment of a Foreign Quinone into the A1 Site of Photosystem I. Journal of Biological Chemistry, 2001, 276, 39512-39521.	3.4	65
16	Kinetics of Charge Separation and A0-â†’ A1 Electron Transfer in Photosystem I Reaction Centers. Biochemistry, 2001, 40, 9282-9290.	2.5	64
17	Ultrafast Primary Processes in Photosystem I of the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. Biophysical Journal, 1999, 76, 3278-3288.	0.5	63
18	Insertional Inactivation of the <i>themenG</i> Gene, Encoding 2-Phytyl-1,4-Naphthoquinone Methyltransferase of <i>Synechocystis</i> sp. PCC 6803, Results in the Incorporation of 2-Phytyl-1,4-Naphthoquinone into the A1 Site and Alteration of the Equilibrium Constant between A1 and FX in Photosystem I. Biochemistry, 2002, 41, 394-405.	2.5	56

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19	Associating protein activities with their genes: rapid identification of a gene encoding a methylglyoxal reductase in the yeast <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2003, 20, 545-554.	1.7	54
20	Mutational Analysis of Photosystem I Polypeptides. <i>Journal of Biological Chemistry</i> , 1996, 271, 11772-11780.	3.4	51
21	Assembly of the barley light-harvesting chlorophyll a/b proteins in barley etioplasts involves processing of the precursor on thylakoids. <i>Plant Molecular Biology</i> , 1988, 11, 95-107.	3.9	48
22	Electrochromic Shift of Chlorophyll Absorption in Photosystem I from <i>Synechocystis</i> sp. PCC 6803: A Probe of Optical and Dielectric Properties around the Secondary Electron Acceptor. <i>Biophysical Journal</i> , 2004, 86, 3121-3130.	0.5	42
23	[8] Isolation and functional study of photosystem I subunits in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Methods in Enzymology</i> , 1998, 297, 124-139.	1.0	41
24	Oxidizing Side of the Cyanobacterial Photosystem I. <i>Journal of Biological Chemistry</i> , 1999, 274, 19048-19054.	3.4	39
25	Targeted deletion of <i>psaJ</i> from the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 indicates structural interactions between the <i>PsaJ</i> and <i>PsaF</i> subunits of photosystem I. <i>Plant Molecular Biology</i> , 1994, 26, 291-302.	3.9	37
26	Targeted inactivation of the <i>psaK1</i> , <i>psaK2</i> and <i>psaM</i> genes encoding subunits of Photosystem I in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Photosynthesis Research</i> , 2000, 63, 225-236.	2.9	34
27	Proteins of the cyanobacterial photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2001, 1507, 32-40.	1.0	33
28	The Two Histidine Axial Ligands of the Primary Electron Donor Chlorophylls (P700) in Photosystem I Are Similarly Perturbed upon P700+ Formation. <i>Biochemistry</i> , 2002, 41, 11200-11210.	2.5	31
29	The <i>menD</i> and <i>menE</i> homologs code for 2-succinyl-6-hydroxyl-2,4-cyclohexadiene-1-carboxylate synthase and O-succinylbenzoic acid-CoA synthase in the phylloquinone biosynthetic pathway of <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2003, 1557, 67-76.	1.0	30
30	Electronic Spectra of PS I Mutants: The Peripheral Subunits Do Not Bind Red Chlorophylls in <i>Synechocystis</i> sp. PCC 6803. <i>Biophysical Journal</i> , 1999, 76, 2711-2715.	0.5	29
31	Stable assembly of <i>PsaE</i> into cyanobacterial photosynthetic membranes is dependent on the presence of other accessory subunits of photosystem I. <i>Plant Molecular Biology</i> , 1993, 23, 895-900.	3.9	25
32	Topography of the Photosystem I Core Proteins of the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Biological Chemistry</i> , 1997, 272, 21793-21802.	3.4	22
33	Identification and bioinformatic analysis of the membrane proteins of <i>synechocystis</i> sp. PCC 6803. <i>Proteome Science</i> , 2009, 7, 11.	1.7	19
34	Cloning and sequence analysis of the gene encoding the low potential cytochrome <i>c</i> of <i>Synechocystis</i> PCC 6803. <i>FEBS Letters</i> , 1994, 344, 5-9.	2.8	18
35	Structural features and assembly of the soluble overexpressed <i>PsaD</i> subunit of photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1999, 1410, 7-18.	1.0	13
36	Photosystem I. , 1991, , 177-224.		13

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37	Crystallization of Intact and Subunit L-Deficient Monomers from <i>Synechocystis</i> PCC 6803 Photosystem I. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1996, 51, 195-199.	1.4	11
38	Some Requirements for the Insertion of the Precursor of Apoproteins of <i>Lemna</i> Light-Harvesting Complex II into Barley Thylakoids. , 1987, , 573-576.		11
39	Assembly of the chlorophyll-protein complexes. <i>Photosynthesis Research</i> , 1995, 44, 165-181.	2.9	10
40	Characterization of Two Photosynthetic Mutants of Maize1. <i>Plant Physiology</i> , 1999, 120, 1129-1136.	4.8	10
41	Mutational Analysis of Photosystem I of <i>Synechocystis</i> sp. PCC 6803: The Role of Four Conserved Aromatic Residues in the j-helix of PsaB. <i>PLoS ONE</i> , 2011, 6, e24625.	2.5	7
42	Biogenesis of Photosystem I. , 1992, , 285-290.		6
43	The carboxyl-terminal region of the spinach PsaD subunit contains information for its specific assembly into plant thylakoids. <i>Photosynthesis Research</i> , 1995, 44, 157-164.	2.9	5
44	Negatively charged residues in the H loop of PsaB subunit in Photosystem I from <i>Synechocystis</i> sp. PCC 6803 appear to be responsible for electrostatic repulsions with plastocyanin*. <i>Photosynthesis Research</i> , 2000, 65, 63-68.	2.9	5
45	Function and Molecular Genetics of Photosystem I. , 1999, , 221-262.		4
46	The major light-harvesting complex of Photosystem II: aspects of its molecular and cell biology. , 1988, , 259-281.		3
47	Title is missing!. <i>Photosynthesis Research</i> , 1999, 62, 241-250.	2.9	2
48	Molecular and Cellular Biology of the Major Light-harvesting Pigment-protein (LHCIIb) of Higher Plants. , 1989, , 373-387.		1
49	Biogenesis and assembly of the membrane protein photo-system I. <i>Biochemical Society Transactions</i> , 2000, 28, A406-A406.	3.4	0