Michael Seibert

List of Publications by Year
in descending order

145 papers	12,197 citations	38742 50 h-index	25787 108 g-index
150 all docs	150 docs citations	150 times ranked	7384 citing authors

#	Article	IF	Citations
1	Microalgal triacylglycerols as feedstocks for biofuel production: perspectives and advances. Plant Journal, 2008, 54, 621-639.	5.7	3,132
2	Sustained Photobiological Hydrogen Gas Production upon Reversible Inactivation of Oxygen Evolution in the Green AlgaChlamydomonas reinhardtii. Plant Physiology, 2000, 122, 127-136.	4.8	1,014
3	Discovery of Two Novel Radical S-Adenosylmethionine Proteins Required for the Assembly of an Active [Fe] Hydrogenase. Journal of Biological Chemistry, 2004, 279, 25711-25720.	3.4	368
4	Hydrogenases and Hydrogen Photoproduction in Oxygenic Photosynthetic Organisms. Annual Review of Plant Biology, 2007, 58, 71-91.	18.7	330
5	Functional Studies of [FeFe] Hydrogenase Maturation in an Escherichia coli Biosynthetic System. Journal of Bacteriology, 2006, 188, 2163-2172.	2.2	300
6	Anaerobic Acclimation in Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2007, 282, 25475-25486.	3.4	270
7	Sustained hydrogen photoproduction byChlamydomonas reinhardtii: Effects of culture parameters. Biotechnology and Bioengineering, 2002, 78, 731-740.	3.3	268
8	Effects of Extracellular pH on the Metabolic Pathways in Sulfur-Deprived, H2-Producing Chlamydomonas reinhardtii Cultures. Plant and Cell Physiology, 2003, 44, 146-155.	3.1	232
9	Expression of two [Fe]-hydrogenases in Chlamydomonas reinhardtii under anaerobic conditions. FEBS Journal, 2003, 270, 2750-2758.	0.2	228
10	Structural, biochemical and biophysical characterization of four oxygen-evolving Photosystem II preparations from spinach. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 764, 179-193.	1.0	215
11	Oxygen sensitivity of algal H2- production. Applied Biochemistry and Biotechnology, 1997, 63-65, 141-151.	2.9	207
12	Examination of Triacylglycerol Biosynthetic Pathways via De Novo Transcriptomic and Proteomic Analyses in an Unsequenced Microalga. PLoS ONE, 2011, 6, e25851.	2.5	198
13	Primary processes in photosynthesis: Insitu ESR studies on the light induced oxidized and triplet state of reaction center bacteriochlorophyll. Biochemical and Biophysical Research Communications, 1972, 46, 406-413.	2.1	183
14	Photobiological production of hydrogen. Solar Energy, 1980, 24, 3-45.	6.1	181
15	Finding Gas Diffusion Pathways in Proteins: Application to O2 and H2 Transport in CpI [FeFe]-Hydrogenase and the Role of Packing Defects. Structure, 2005, 13, 1321-1329.	3.3	170
16	Hydrogen photoproduction by nutrientâ€deprived Chlamydomonas reinhardtii cells immobilized within thin alginate films under aerobic and anaerobic conditions. Biotechnology and Bioengineering, 2009, 102, 50-58.	3.3	167
17	Hydrogen Photoproduction Is Attenuated by Disruption of an Isoamylase Gene in Chlamydomonas reinhardtii. Plant Cell, 2004, 16, 2151-2163.	6.6	155
18	Spectral, Photophysical, and Stability Properties of Isolated Photosystem II Reaction Center. Plant Physiology, 1988, 87, 303-306.	4.8	148

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19	A comparison of hydrogen photoproduction by sulfur-deprived Chlamydomonas reinhardtii under different growth conditions. Journal of Biotechnology, 2007, 128, 776-787.	3.8	137
20	Evidence for a dual function of the herbicide-binding D1 protein in photosystem II. FEBS Letters, 1986, 205, 269-274.	2.8	119
21	Transient and persistent hole burning of the reaction center of photosystem II. The Journal of Physical Chemistry, 1989, 93, 1649-1654.	2.9	112
22	Hydrogen photoproduction under continuous illumination by sulfur-deprived, synchronous Chlamydomonas reinhardtii cultures. International Journal of Hydrogen Energy, 2002, 27, 1239-1244.	7.1	111
23	Prospects for commercial production of diatoms. Biotechnology for Biofuels, 2017, 10, 16.	6.2	104
24	A truncated antenna mutant of Chlamydomonas reinhardtii can produce more hydrogen than the parental strain. International Journal of Hydrogen Energy, 2011, 36, 2044-2048.	7.1	102
25	Genetic disruption of both Chlamydomonas reinhardtii [FeFe]-hydrogenases: Insight into the role of HYDA2 in H2 production. Biochemical and Biophysical Research Communications, 2012, 417, 704-709.	2.1	97
26	Continuous Hydrogen Photoproduction by <I>Chlamydomonas reinhardtii</I>: Using a Novel Two-Stage, Sulfate-Limited Chemostat System. Applied Biochemistry and Biotechnology, 2005, 121, 0403-0412.	2.9	96
27	Flexibility in Anaerobic Metabolism as Revealed in a Mutant of Chlamydomonas reinhardtii Lacking Hydrogenase Activity. Journal of Biological Chemistry, 2009, 284, 7201-7213.	3.4	96
28	Multiple facets of anoxic metabolism and hydrogen production in the unicellular green alga Chlamydomonas reinhardtii. New Phytologist, 2011, 190, 279-288.	7.3	94
29	Stabilization of Isolated Photosystem II Reaction Center Complex in the Dark and in the Light Using Polyethylene Glycol and an Oxygen-Scrubbing System. Plant Physiology, 1989, 89, 452-456.	4.8	89
30	Prolongation of H2 photoproduction by immobilized, sulfur-limited Chlamydomonas reinhardtii cultures. Journal of Biotechnology, 2008, 134, 275-7.	3.8	85
31	Direct Measurement of the Effective Rate Constant for Primary Charge Separation in Isolated Photosystem II Reaction Centers. Journal of Physical Chemistry B, 1997, 101, 2251-2255.	2.6	83
32	Photo-catalytic conversion of carbon dioxide to organic acids by a recombinant cyanobacterium incapable of glycogen storage. Energy and Environmental Science, 2012, 5, 9457.	30.8	81
33	The Effect of Sulfur Re-Addition on H2 Photoproduction by Sulfur-Deprived Green Algae. Photosynthesis Research, 2005, 85, 295-305.	2.9	77
34	Accumulation of O2-tolerant phenotypes in H2-producing strains of Chlamydomonas reinhardtii by sequential applications of chemical mutagenesis and selection. International Journal of Hydrogen Energy, 2002, 27, 1421-1430.	7.1	73
35	Phenotypic diversity of hydrogen production in chlorophycean algae reflects distinct anaerobic metabolisms. Journal of Biotechnology, 2009, 142, 21-30.	3.8	70
36	Determination of the primary charge separation rate in Photosystem II reaction centers at 15 K. Photosynthesis Research, 1989, 22, 89-99.	2.9	68

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37	Photoproduction of hydrogen by sulfur-deprived C. reinhardtii mutants with impaired Photosystem II photochemical activity. Photosynthesis Research, 2007, 94, 79-89.	2.9	68
38	Towards the integration of dark- and photo-fermentative waste treatment. 3. Potato as substrate for sequential dark fermentation and light-driven H2 production. International Journal of Hydrogen Energy, 2010, 35, 8536-8543.	7.1	68
39	Lack of photoactivation capacity in Scenedesmus obliquus LF-1 results from loss of half the high-affinity manganese-binding site. Biochimica Et Biophysica Acta - Bioenergetics, 1989, 974, 185-191.	1.0	65
40	Photoelectrochemical conversion using reaction-centre electrodes. Nature, 1980, 286, 584-585.	27.8	62
41	Presence in Photosystem II Core Complexes of a 34-Kilodalton Polypeptide Required for Water Photolysis. Plant Physiology, 1984, 76, 829-832.	4.8	61
42	Evaluation of light energy to H 2 energy conversion efficiency in thin films of cyanobacteria and green alga under photoautotrophic conditions. Algal Research, 2017, 28, 253-263.	4.6	61
43	A Mutant in the ADH1 Gene of Chlamydomonas reinhardtii Elicits Metabolic Restructuring during Anaerobiosis Â. Plant Physiology, 2012, 158, 1293-1305.	4.8	60
44	The carboxyl modifier 1-ethyl-3-[3-(dimethylamino)propyl]carbodiimide (EDC) inhibits half of the high-affinity manganese-binding site in photosystem II membrane fragments. Biochemistry, 1991, 30, 9615-9624.	2.5	58
45	Altered Fermentative Metabolism in Chlamydomonas reinhardtii Mutants Lacking Pyruvate Formate Lyase and Both Pyruvate Formate Lyase and Alcohol Dehydrogenase. Plant Cell, 2012, 24, 692-707.	6.6	58
46	Maximizing the hydrogen photoproduction yields in Chlamydomonas reinhardtii cultures: The effect of the H2 partial pressure. International Journal of Hydrogen Energy, 2012, 37, 8850-8858.	7.1	57
47	HYDROGEN PRODUCTION BY PHOTOSYNTHETIC MICROORGANISMS. Series on Photoconversion of Solar Energy, 2004, , 397-451.	0.2	55
48	Functional asymmetry of photosystem II D1 and D2 peripheral chlorophyll mutants ofChlamydomonas reinhardtii. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4091-4096.	7.1	54
49	Effects of detergent on the excited state structure and relaxation dynamics of the photosystem II reaction center: A high resolution hole burning study. Photosynthesis Research, 1991, 27, 19-29.	2.9	52
50	Interactions between Diphenylcarbazide, Zinc, Cobalt, and Manganese on the Oxidizing Side of Photosystem IIâ€. Biochemistry, 1996, 35, 1820-1828.	2.5	51
51	Time-Resolved Absorption Changes of the Pheophytin QxBand in Isolated Photosystem II Reaction Centers at 7 K:Â Energy Transfer and Charge Separation. Journal of Physical Chemistry B, 1999, 103, 8364-8374.	2.6	48
52	Recombinant and in vitro expression systems for hydrogenases: new frontiers in basic and applied studies for biological and synthetic H2 production. Dalton Transactions, 2009, , 9970.	3.3	48
53	Biochemical, Biophysical, and Structural Characterization of the Isolated Photosystem II Reaction Center Complex. , 1993, , 319-356.		48
54	Genomics of green algal hydrogen research. Photosynthesis Research, 2004, 82, 277-288.	2.9	47

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55	Relations between the laser-induced oxidations of the high and low potential cytochromes of Chromatium D. Biochimica Et Biophysica Acta - Bioenergetics, 1970, 205, 220-231.	1.0	46
56	Low-Energy Chlorophyll States in the CP43 Antenna Protein Complex: Simulation of Various Optical Spectra. II. Journal of Physical Chemistry B, 2008, 112, 9934-9947.	2.6	46
57	Picosecond fluorescent kinetics of in vivo chlorophyll. Biochimica Et Biophysica Acta - Bioenergetics, 1973, 292, 493-495.	1.0	45
58	Probing Photosynthesis on a Picosecond Time Scale. Biophysical Journal, 1974, 14, 269-283.	0.5	45
59	The azido[14 C]atrazine photoaffinity technique labels a 34-kDa protein in Scenedesmus which functions on the oxidizing side of photosystem II. FEBS Letters, 1985, 185, 191-196.	2.8	44
60	Protease treatments of photosystem II membrane fragments reveal that these are four separate high-affinity manganese-binding sites. Biochemistry, 1991, 30, 9625-9633.	2.5	44
61	Photophysical Behavior and Assignment of the Low-Energy Chlorophyll States in the CP43 Proximal Antenna Protein of Higher Plant Photosystem IIâ€. Biochemistry, 2006, 45, 12345-12357.	2.5	42
62	Towards the integration of dark and photo fermentative waste treatment. 1. Hydrogen photoproduction by purple bacterium Rhodobacter capsulatus using potential products of starch fermentation. International Journal of Hydrogen Energy, 2008, 33, 7020-7026.	7.1	39
63	The CP43 Proximal Antenna Complex of Higher Plant Photosystem II Revisited: Modeling and Hole Burning Study. I. Journal of Physical Chemistry B, 2008, 112, 9921-9933.	2.6	39
64	Insight into the Electronic Structure of the CP47 Antenna Protein Complex of Photosystem II: Hole Burning and Fluorescence Study. Journal of the American Chemical Society, 2010, 132, 4214-4229.	13.7	39
65	Application of gene-shuffling for the rapid generation of novel [FeFe]-hydrogenase libraries. Biotechnology Letters, 2007, 29, 421-430.	2.2	38
66	Towards the integration of dark- and photo-fermentative waste treatment. 4. Repeated batch sequential dark- and photofermentation using starch as substrate. International Journal of Hydrogen Energy, 2012, 37, 8800-8810.	7.1	38
67	Fluorescent kinetics of chlorophyll in Photosystems I and II enriched fractions of spinach. Biochimica Et Biophysica Acta - Bioenergetics, 1975, 387, 159-164.	1.0	35
68	Hydrogen Fuel Production by Transgenic Microalgae. Advances in Experimental Medicine and Biology, 2007, 616, 110-121.	1.6	35
69	Oxygen-evolution patterns from spinach Photosystem II preparations. Biochimica Et Biophysica Acta - Bioenergetics, 1983, 723, 160-168.	1.0	34
70	Photosynthetic reaction center transients, P435 and P424, in Chromatium D. Biochimica Et Biophysica Acta - Bioenergetics, 1971, 253, 396-411.	1.0	33
71	LIGHTâ€‡INDUCED ELECTRON TRANSPORT ACROSS SEMICONDUCTOR ELECTRODE/REACTIONâ€€CENTER FILM/ELECTROLYTE INTERFACES. Photochemistry and Photobiology, 1982, 35, 193-200.	2.5	33
72	Spectroscopic Study of the CP43â€² Complex and the PSIâ€“CP43â€² Supercomplex of the Cyanobacterium Synechocystis PCC 6803. Journal of Physical Chemistry B, 2011, 115, 13339-13349.	2.6	33

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73	Towards the integration of dark- and photo-fermentative waste treatment. 2. Optimization of starch-dependent fermentative hydrogen production. International Journal of Hydrogen Energy, 2009, 34, 3324-3332.	7.1	32
74	Stability of isolated bacterial and photosystem II reaction center complexes on silver electrode surfaces. A surface-enhanced resonance Raman study. Journal of the American Chemical Society, 1991, 113, 2839-2843.	13.7	30
75	Surface-Enhanced Resonance Raman Scattering Spectroscopy of Photosystem II Pigment-Protein Complexes. The Journal of Physical Chemistry, 1994, 98, 6017-6022.	2.9	30
76	Wavelength and intensity dependent primary photochemistry of isolated Photosystem II reaction centers at 5Â°C. Chemical Physics, 1996, 210, 279-295.	1.9	30
77	A surface-enhanced raman signal associated with functional manganese in oxygen-evolving photosystem II membranes. FEBS Letters, 1985, 182, 34-38.	2.8	28
78	Surface-enhanced resonance Raman scattering spectroscopy of bacterial photosynthetic membranes: orientation of the carotenoids of Rhodobacter sphaeroides 2.4.1. Biochemistry, 1990, 29, 707-712.	2.5	28
79	Effects of Carboxyl Amino Acid Modification on the Properties of the High-Affinity, Manganese-Binding Site in Photosystem II. Biochemistry, 1998, 37, 13559-13566.	2.5	28
80	The isolated Photosystem II reaction center: first attempts to directly measure the kinetics of primary charge separation. Photosynthesis Research, 2003, 76, 263-268.	2.9	28
81	Blocking of Electron Donation by Mn(II) to YZâ€¢following Incubation of Mn-Depleted Photosystem II Membranes with Fe(II) in the Lightâ€. Biochemistry, 2002, 41, 5854-5864.	2.5	27
82	Photo-conversion of chlorophylls in higher-plant CP43 characterized by persistent spectral hole burning at 1.7K. Journal of Luminescence, 2004, 108, 131-136.	3.1	26
83	Is functional manganese involved in hydrogen-peroxide-stimulated anomalous oxygen evolution in CACl2-washed photosystem II membranes?. Photosynthesis Research, 1987, 13, 3-17.	2.9	25
84	Use of a Novel Histidyl Modifier To Probe for Residues on Tris-Treated Photosystem II Membrane Fragments That May Bind Functional Manganese. Biochemistry, 1998, 37, 13567-13574.	2.5	25
85	Substitution of a Chlorophyll into the Inactive Branch Pheophytin-Binding Site Impairs Charge Separation in Photosystem II. Journal of Physical Chemistry B, 2004, 108, 16904-16911.	2.6	25
86	Transcriptome and proteome analysis of nitrogen starvation responses in Synechocystis 6803 Î”glgC, a mutant incapable of glycogen storage. Algal Research, 2017, 21, 64-75.	4.6	25
87	Low-temperature spectroscopy of fully active PSII cores. Comparisons with CP43, CP47, D1/D2/cyt b559 fragments. Journal of Luminescence, 2004, 108, 97-100.	3.1	23
88	Surface-enhanced Raman scattering spectroscopy: Probing the lumenal surface of Photosystem II membranes for evidence of manganese. Biochimica Et Biophysica Acta - Bioenergetics, 1988, 934, 235-246.	1.0	21
89	A rapid procedure for the isolation and purification of photosynthetic reaction centers from Rhodopseudomonas sphaeroides R-26. Archives of Biochemistry and Biophysics, 1982, 216, 255-258.	3.0	20
90	Accumulation of Ferrous Iron in Chlamydomonas reinhardtii. Influence of CO2 and Anaerobic Induction of the Reversible Hydrogenase. Plant Physiology, 2003, 131, 1756-1764.	4.8	20

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91	Spectral Hole Burning, Recovery, and Thermocycling in Chlorophyllâ€"Protein Complexes: Distributions of Barriers on the Protein Energy Landscape. Journal of Physical Chemistry B, 2012, 116, 11780-11790.	2.6	20
92	A low potential photosystem in Chromatium D. Biochimica Et Biophysica Acta - Bioenergetics, 1971, 226, 189-192.	1.0	19
93	Surface-Enhanced Resonance Raman Scattering Spectroscopy of Plant Photosystem II Reaction Centers Excited on the Red-Edge of the QyBandâ€. Journal of Physical Chemistry B, 1998, 102, 2609-2613.	2.6	18
94	Production of reactive oxygen species in decoupled, Ca2+-depleted PSII and their use in assigning a function to chloride on both sides of PSII. Photosynthesis Research, 2013, 117, 385-399.	2.9	18
95	Profiling Chlamydomonas Metabolism under Dark, Anoxic H₂-Producing Conditions Using a Combined Proteomic, Transcriptomic, and Metabolomic Approach. Journal of Proteome Research, 2014, 13, 5431-5451.	3.7	18
96	[4] Surface-enhanced raman scattering spectroscopy of photosynthetic membranes and complexes. Methods in Enzymology, 1992, 213, 31-42.	1.0	17
97	Decoupling of the processes of molecular oxygen synthesis and electron transport in Ca2+-depleted PSII membranes. Photosynthesis Research, 2008, 98, 235-249.	2.9	17
98	Hydrogenases, Hydrogen Production, and Anoxia. , 2009, , 217-255.		17
99	A simple colorimetric determination of the manganese content in photosynthetic membranes. Photosynthesis Research, 2009, 100, 45-48.	2.9	17
100	Effects of the Distributions of Energy or Charge Transfer Rates on Spectral Hole Burning in Pigmentâ€"Protein Complexes at Low Temperatures. Journal of Physical Chemistry B, 2011, 115, 15098-15109.	2.6	17
101	Photoelectrochemical properties of electrodes coated with photoactive-membrane visicles isolated from photosynthetic bacteria. Biochimica Et Biophysica Acta - Bioenergetics, 1982, 681, 504-511.	1.0	16
102	Parameters of the Protein Energy Landscapes of Several Light-Harvesting Complexes Probed via Spectral Hole Growth Kinetics Measurements. Journal of Physical Chemistry B, 2011, 115, 2737-2747.	2.6	16
103	A photosynthetic photoelectrochemical cell using phenazine methosulfate and phenazine ethosulfate as electron acceptors. Applied Biochemistry and Biotechnology, 1987, 14, 1-20.	2.9	15
104	Regeneration of the high-affinity manganese-binding site in the reaction center of an oxygen-evolution deficient mutant of Scenedesmus by protease action. Photosynthesis Research, 1989, 22, 101-113.	2.9	15
105	Iron Bound to the High-Affinity Mn-Binding Site of the Oxygen-Evolving Complex Shifts the pKof a Component Controlling Electron Transport via YZâ€. Biochemistry, 2004, 43, 6772-6782.	2.5	15
106	Photosynthetic Water-Splitting for Hydrogen Production. , 0, , 273-291.		15
107	Patterns of oxygen emission from active oxygen-evolving photosystem II particles subjected to sequences of flashes. FEBS Letters, 1982, 144, 101-103.	2.8	14
108	Slow oxygen release on the first two flashes in chemically stressed Photosystem II membrane fragments results from hydrogen peroxide oxidation. Photosynthesis Research, 1993, 38, 425-431.	2.9	13

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109	Spiral tubular bioreactors for hydrogen production by photosynthetic microorganisms. Applied Biochemistry and Biotechnology, 1997, 63-65, 577-584.	2.9	13
110	A carboxylic residue at the high-affinity, Mn-binding site participates in the binding of iron cations that block the site. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 189-197.	1.0	12
111	[FeFe]-hydrogenases and photobiological hydrogen production. , 2006, , .		12
112	Immobilized purple bacteria for lightâ€driven H₂ production from starch and potato fermentation effluents. Biotechnology Progress, 2011, 27, 1248-1256.	2.6	12
113	Substituting Fe for two of the four Mn ions in photosystem IIâ€"effects on water-oxidation. Journal of Bioenergetics and Biomembranes, 2016, 48, 227-240.	2.3	12
114	Pigment Content of D1-D2-Cytochrome b559 Reaction Center Preparations after Removal of CP47 Contamination: An Immunological Study. Biochemistry, 1995, 34, 15214-15218.	2.5	11
115	Picosecond spectroscopy of the isolated reaction centers from the photosystems of oxygenic photosynthesisâ€"ten years (1987â€“1997) of fun. Photosynthesis Research, 2010, 103, 1-6.	2.9	11
116	FLUORESCENCE PROPERTIES OF Câ€PHYCOCYANIN ISOLATED FROM A THERMOPHILIC CYANOBACTERIUM. Photochemistry and Photobiology, 1984, 40, 267-271.	2.5	10
117	STRUCTURAL AND FUNCTIONAL INTEGRITY OF THE PHOTOSYSTEM II REACTION CENTER ON SILVER ELECTRODES: FLUORESCENCE AND REDOX PROBES. Photochemistry and Photobiology, 1993, 58, 757-760.	2.5	10
118	Photochemical Reactions of Photosystem II in Ethylene Glycol. Biochemistry, 1997, 36, 76-85.	2.5	10
119	Resonance Raman and Surface-Enhanced Resonance Raman Spectra of LH2 Antenna Complex from Rhodobacter sphaeroides and Ectothiorhodospira sp. Excited in the Qx and Qy Transitionsâ€. Photochemistry and Photobiology, 2000, 71, 589.	2.5	10
120	Pigment stoichiometry of the Photosystem II reaction center from higher plants. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1187, 187-190.	1.0	9
121	The effect of glutaraldehyde fixation on the primary photochemical processes in bacterial photosynthesis. Archives of Biochemistry and Biophysics, 1971, 146, 611-617.	3.0	8
122	Photobiological Methods of Renewable Hydrogen Production. , 2008, , 229-271.		8
123	Flash-Induced Blocking of the High-Affinity Manganese-Binding Site in Photosystem II by Iron Cations:Â Dependence on the Dark Interval between Flashes and Binary Oscillations of Fluorescence Yieldâ€. Journal of Physical Chemistry B, 2006, 110, 25532-25542.	2.6	7
124	Development of Selection and Screening Procedures for Rapid Identification of H2-Producing Algal Mutants with Increased O2 Tolerance. , 1998, , 227-234.		6
125	Structural and functional investigations of biological catalysts for optimization of solar-driven H 2 production systems. , 2006, 6340, 259.		6
126	Development of Algal Systems for Hydrogen Photoproduction: Addressing the Hydrogenase Oxygen-sensitivity Problem. , 2006, , 211-227.		5

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127	Isolation and Purification of CP43 and CP47 Photosystem II Proximal Antenna Complexes from Plants. Methods in Molecular Biology, 2011, 684, 105-112.	0.9	5
128	Metabolic Pathways in Green Algae with Potential Value for Biofuel Production. Cellular Origin and Life in Extreme Habitats, 2012, , 399-422.	0.3	5
129	Continuous Hydrogen Photoproduction by Chlamydomonas reinhardtii. , 2005, , 403-412.		5
130	The state of iron in the oxygen-evolving core complex of the cyanobacterium Phormidium laminosum: MÃ¶ssbauer spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1184, 171-177.	1.0	4
131	Isolation of Photosystem II Reaction Center Complexes from Plants. Methods in Molecular Biology, 2011, 684, 17-27.	0.9	3
132	The isolated Photosystem II reaction center: first attempts to directly measure the kinetics of primary charge separation. , 2005, , 269-274.		3
133	Femtosecond Spectroscopy of PSII Reaction Centers: New Results. , 1995, , 663-666.		3
134	Failure to Process the D1 Protein Inhibits the Oxidizing Side of PSII but not the Reaction Center or Reducing Side Reactions: Analysis of the LF-1 Mutant of Scenedesmus. , 1987, , 679-682.		3
135	Biological solar energy consersion. Solar Energy, 1978, 21, 355.	6.1	2
136	Cytochrome b559 content in isolated photosystem II reaction center preparations. FEBS Journal, 2003, 270, 2268-2273.	0.2	2
137	Isolation of Photosystem II Reaction Center Complexes From Plants. , 2004, 274, 053-062.		1
138	Remembering Gerald J. Small (1941â€“2004), who tackled everything in life with an intense and enviable passion. Photosynthesis Research, 2005, 83, 5-9.	2.9	1
139	Spiral Tubular Bioreactors for Hydrogen Production by Photosynthetic Microorganisms. , 1997, , 577-584.		1
140	The Primary Charge-Separation Rate in Isolated Photosystem II Reaction Center Complex. , 1990, , 451-454.		1
141	Thermoluminescence (TL) Properties of Scenedesmus Non-Oxygen-Evolving Mutants and Isolated PSII Reaction Centers. , 1990, , 507-510.		1
142	Femtosecond PSII Reaction Center Studies at 7K. , 1998, , 1029-1032.		1
143	Biological Energy Conversion Process Biochemical and Photosynthetic Aspects of Energy Production Anthony San Pietro. BioScience, 1981, 31, 609-609.	4.9	0
144	Resonance Raman and Surface-Enhanced Resonance Raman Spectra of LH2 Antenna Complex from Rhodobacter sphaeroides and Ectothiorhodospira sp. Excited in the Qx and Qy Transitions â€. Photochemistry and Photobiology, 2007, 71, 589-595.	2.5	0

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145	Materials Requirements for Photobiological Hydrogen Production. , 2007, , 123-145.		0