

# Michael Seibert

## List of Publications by Year in descending order

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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	Prospects for commercial production of diatoms. <i>Biotechnology for Biofuels</i> , 2017, 10, 16.	6.2	104
2	Evaluation of light energy to H <sub>2</sub> energy conversion efficiency in thin films of cyanobacteria and green alga under photoautotrophic conditions. <i>Algal Research</i> , 2017, 28, 253-263.	4.6	61
3	Transcriptome and proteome analysis of nitrogen starvation responses in <i>Synechocystis</i> 6803 $\Delta$ glgC, a mutant incapable of glycogen storage. <i>Algal Research</i> , 2017, 21, 64-75.	4.6	25
4	Substituting Fe for two of the four Mn ions in photosystem II—effects on water-oxidation. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 227-240.	2.3	12
5	Profiling <i>Chlamydomonas</i> Metabolism under Dark, Anoxic H <sub>2</sub> -Producing Conditions Using a Combined Proteomic, Transcriptomic, and Metabolomic Approach. <i>Journal of Proteome Research</i> , 2014, 13, 5431-5451.	3.7	18
6	Production of reactive oxygen species in decoupled, Ca <sup>2+</sup> -depleted PSII and their use in assigning a function to chloride on both sides of PSII. <i>Photosynthesis Research</i> , 2013, 117, 385-399.	2.9	18
7	A Mutant in the <i>ADH1</i> Gene of <i>Chlamydomonas reinhardtii</i> Elicits Metabolic Restructuring during Anaerobiosis. <i>Plant Physiology</i> , 2012, 158, 1293-1305.	4.8	60
8	Photo-catalytic conversion of carbon dioxide to organic acids by a recombinant cyanobacterium incapable of glycogen storage. <i>Energy and Environmental Science</i> , 2012, 5, 9457.	30.8	81
9	Altered Fermentative Metabolism in <i>Chlamydomonas reinhardtii</i> Mutants Lacking Pyruvate Formate Lyase and Both Pyruvate Formate Lyase and Alcohol Dehydrogenase. <i>Plant Cell</i> , 2012, 24, 692-707.	6.6	58
10	Spectral Hole Burning, Recovery, and Thermocycling in Chlorophyll-Protein Complexes: Distributions of Barriers on the Protein Energy Landscape. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11780-11790.	2.6	20
11	Genetic disruption of both <i>Chlamydomonas reinhardtii</i> [FeFe]-hydrogenases: Insight into the role of HYDA2 in H <sub>2</sub> production. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 704-709.	2.1	97
12	Metabolic Pathways in Green Algae with Potential Value for Biofuel Production. <i>Cellular Origin and Life in Extreme Habitats</i> , 2012, , 399-422.	0.3	5
13	Maximizing the hydrogen photoproduction yields in <i>Chlamydomonas reinhardtii</i> cultures: The effect of the H <sub>2</sub> partial pressure. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8850-8858.	7.1	57
14	Towards the integration of dark- and photo-fermentative waste treatment. 4. Repeated batch sequential dark- and photofermentation using starch as substrate. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8800-8810.	7.1	38
15	Effects of the Distributions of Energy or Charge Transfer Rates on Spectral Hole Burning in Pigment-Protein Complexes at Low Temperatures. <i>Journal of Physical Chemistry B</i> , 2011, 115, 15098-15109.	2.6	17
16	Parameters of the Protein Energy Landscapes of Several Light-Harvesting Complexes Probed via Spectral Hole Growth Kinetics Measurements. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2737-2747.	2.6	16
17	Spectroscopic Study of the CP43 <sup>2</sup> Complex and the PSI-CP43 <sup>2</sup> Supercomplex of the Cyanobacterium <i>Synechocystis</i> PCC 6803. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13339-13349.	2.6	33
18	Multiple facets of anoxic metabolism and hydrogen production in the unicellular green alga <i>Chlamydomonas reinhardtii</i> . <i>New Phytologist</i> , 2011, 190, 279-288.	7.3	94

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19	Isolation of Photosystem II Reaction Center Complexes from Plants. <i>Methods in Molecular Biology</i> , 2011, 684, 17-27.	0.9	3
20	Isolation and Purification of CP43 and CP47 Photosystem II Proximal Antenna Complexes from Plants. <i>Methods in Molecular Biology</i> , 2011, 684, 105-112.	0.9	5
21	Immobilized purple bacteria for light-driven H <sub>2</sub> production from starch and potato fermentation effluents. <i>Biotechnology Progress</i> , 2011, 27, 1248-1256.	2.6	12
22	A truncated antenna mutant of <i>Chlamydomonas reinhardtii</i> can produce more hydrogen than the parental strain. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 2044-2048.	7.1	102
23	Examination of Triacylglycerol Biosynthetic Pathways via De Novo Transcriptomic and Proteomic Analyses in an Unsequenced Microalga. <i>PLoS ONE</i> , 2011, 6, e25851.	2.5	198
24	Picosecond spectroscopy of the isolated reaction centers from the photosystems of oxygenic photosynthesis—ten years (1987–1997) of fun. <i>Photosynthesis Research</i> , 2010, 103, 1-6.	2.9	11
25	Towards the integration of dark- and photo-fermentative waste treatment. 3. Potato as substrate for sequential dark fermentation and light-driven H <sub>2</sub> production. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 8536-8543.	7.1	68
26	Insight into the Electronic Structure of the CP47 Antenna Protein Complex of Photosystem II: Hole Burning and Fluorescence Study. <i>Journal of the American Chemical Society</i> , 2010, 132, 4214-4229.	13.7	39
27	Hydrogenases, Hydrogen Production, and Anoxia. , 2009, , 217-255.		17
28	Flexibility in Anaerobic Metabolism as Revealed in a Mutant of <i>Chlamydomonas reinhardtii</i> Lacking Hydrogenase Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 7201-7213.	3.4	96
29	Hydrogen photoproduction by nutrient-depleted <i>Chlamydomonas reinhardtii</i> cells immobilized within thin alginate films under aerobic and anaerobic conditions. <i>Biotechnology and Bioengineering</i> , 2009, 102, 50-58.	3.3	167
30	A simple colorimetric determination of the manganese content in photosynthetic membranes. <i>Photosynthesis Research</i> , 2009, 100, 45-48.	2.9	17
31	Towards the integration of dark- and photo-fermentative waste treatment. 2. Optimization of starch-dependent fermentative hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 3324-3332.	7.1	32
32	Phenotypic diversity of hydrogen production in chlorophycean algae reflects distinct anaerobic metabolisms. <i>Journal of Biotechnology</i> , 2009, 142, 21-30.	3.8	70
33	Recombinant and in vitro expression systems for hydrogenases: new frontiers in basic and applied studies for biological and synthetic H <sub>2</sub> production. <i>Dalton Transactions</i> , 2009, , 9970.	3.3	48
34	Decoupling of the processes of molecular oxygen synthesis and electron transport in Ca <sup>2+</sup> -depleted PSII membranes. <i>Photosynthesis Research</i> , 2008, 98, 235-249.	2.9	17
35	Towards the integration of dark and photo fermentative waste treatment. 1. Hydrogen photoproduction by purple bacterium <i>Rhodobacter capsulatus</i> using potential products of starch fermentation. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 7020-7026.	7.1	39
36	Microalgal triacylglycerols as feedstocks for biofuel production: perspectives and advances. <i>Plant Journal</i> , 2008, 54, 621-639.	5.7	3,132

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37	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
38	Prolongation of H <sub>2</sub> photoproduction by immobilized, sulfur-limited Chlamydomonas reinhardtii cultures. Journal of Biotechnology, 2008, 134, 275-7.	3.8	85
39	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
40	Photobiological Methods of Renewable Hydrogen Production. , 2008, , 229-271.		8
41	Hydrogenases and Hydrogen Photoproduction in Oxygenic Photosynthetic Organisms. Annual Review of Plant Biology, 2007, 58, 71-91.	18.7	330
42	A comparison of hydrogen photoproduction by sulfur-deprived Chlamydomonas reinhardtii under different growth conditions. Journal of Biotechnology, 2007, 128, 776-787.	3.8	137
43	Anaerobic Acclimation in Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2007, 282, 25475-25486.	3.4	270
44	Resonance Raman and Surface-Enhanced Resonance Raman Spectra of LH2 Antenna Complex from Rhodospirillum rubrum and Rhodospirillum rubrum sp. Excited in the Q <sub>x</sub> and Q <sub>y</sub> Transitions. Photochemistry and Photobiology, 2007, 71, 589-595.	2.5	0
45	Photoproduction of hydrogen by sulfur-deprived C. reinhardtii mutants with impaired Photosystem II photochemical activity. Photosynthesis Research, 2007, 94, 79-89.	2.9	68
46	Application of gene-shuffling for the rapid generation of novel [FeFe]-hydrogenase libraries. Biotechnology Letters, 2007, 29, 421-430.	2.2	38
47	Hydrogen Fuel Production by Transgenic Microalgae. Advances in Experimental Medicine and Biology, 2007, 616, 110-121.	1.6	35
48	Materials Requirements for Photobiological Hydrogen Production. , 2007, , 123-145.		0
49	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
50	Photophysical Behavior and Assignment of the Low-Energy Chlorophyll States in the CP43 Proximal Antenna Protein of Higher Plant Photosystem II. Biochemistry, 2006, 45, 12345-12357.	2.5	42
51	Flash-Induced Blocking of the High-Affinity Manganese-Binding Site in Photosystem II by Iron Cations: Dependence on the Dark Interval between Flashes and Binary Oscillations of Fluorescence Yield. Journal of Physical Chemistry B, 2006, 110, 25532-25542.	2.6	7
52	[FeFe]-hydrogenases and photobiological hydrogen production. , 2006, , .		12
53	Structural and functional investigations of biological catalysts for optimization of solar-driven H <sub>2</sub> production systems. , 2006, 6340, 259.		6
54	Development of Algal Systems for Hydrogen Photoproduction: Addressing the Hydrogenase Oxygen-sensitivity Problem. , 2006, , 211-227.		5

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55	Functional Studies of [FeFe] Hydrogenase Maturation in an Escherichia coli Biosynthetic System. Journal of Bacteriology, 2006, 188, 2163-2172.	2.2	300
56	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
57	Finding Gas Diffusion Pathways in Proteins: Application to O <sub>2</sub> and H <sub>2</sub> Transport in Cpl [FeFe]-Hydrogenase and the Role of Packing Defects. Structure, 2005, 13, 1321-1329.	3.3	170
58	Remembering Gerald J. Small (1941–2004), who tackled everything in life with an intense and enviable passion. Photosynthesis Research, 2005, 83, 5-9.	2.9	1
59	The Effect of Sulfur Re-Addition on H <sub>2</sub> Photoproduction by Sulfur-Deprived Green Algae. Photosynthesis Research, 2005, 85, 295-305.	2.9	77
60	The isolated Photosystem II reaction center: first attempts to directly measure the kinetics of primary charge separation. , 2005, , 269-274.		3
61	Continuous Hydrogen Photoproduction by <i>Chlamydomonas reinhardtii</i> . , 2005, , 403-412.		5
62	Hydrogen Photoproduction Is Attenuated by Disruption of an Isoamylase Gene in <i>Chlamydomonas reinhardtii</i> . Plant Cell, 2004, 16, 2151-2163.	6.6	155
63	Genomics of green algal hydrogen research. Photosynthesis Research, 2004, 82, 277-288.	2.9	47
64	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
65	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
66	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
67	Iron Bound to the High-Affinity Mn-Binding Site of the Oxygen-Evolving Complex Shifts the pK <sub>a</sub> of a Component Controlling Electron Transport via YZ. Biochemistry, 2004, 43, 6772-6782.	2.5	15
68	Isolation of Photosystem II Reaction Center Complexes From Plants. , 2004, 274, 053-062.		1
69	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
70	HYDROGEN PRODUCTION BY PHOTOSYNTHETIC MICROORGANISMS. Series on Photoconversion of Solar Energy, 2004, , 397-451.	0.2	55
71	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
72	Cytochrome b559 content in isolated photosystem II reaction center preparations. FEBS Journal, 2003, 270, 2268-2273.	0.2	2

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73	Expression of two [Fe]-hydrogenases in <i>Chlamydomonas reinhardtii</i> under anaerobic conditions. <i>FEBS Journal</i> , 2003, 270, 2750-2758.	0.2	228
74	Effects of Extracellular pH on the Metabolic Pathways in Sulfur-Deprived, H <sub>2</sub> -Producing <i>Chlamydomonas reinhardtii</i> Cultures. <i>Plant and Cell Physiology</i> , 2003, 44, 146-155.	3.1	232
75	Accumulation of Ferrous Iron in <i>Chlamydomonas reinhardtii</i> . Influence of CO <sub>2</sub> and Anaerobic Induction of the Reversible Hydrogenase. <i>Plant Physiology</i> , 2003, 131, 1756-1764.	4.8	20
76	Functional asymmetry of photosystem II D1 and D2 peripheral chlorophyll mutants of <i>Chlamydomonas reinhardtii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4091-4096.	7.1	54
77	Sustained hydrogen photoproduction by <i>Chlamydomonas reinhardtii</i> : Effects of culture parameters. <i>Biotechnology and Bioengineering</i> , 2002, 78, 731-740.	3.3	268
78	Hydrogen photoproduction under continuous illumination by sulfur-deprived, synchronous <i>Chlamydomonas reinhardtii</i> cultures. <i>International Journal of Hydrogen Energy</i> , 2002, 27, 1239-1244.	7.1	111
79	Accumulation of O <sub>2</sub> -tolerant phenotypes in H <sub>2</sub> -producing strains of <i>Chlamydomonas reinhardtii</i> by sequential applications of chemical mutagenesis and selection. <i>International Journal of Hydrogen Energy</i> , 2002, 27, 1421-1430.	7.1	73
80	Blocking of Electron Donation by Mn(II) to PSII following Incubation of Mn-Depleted Photosystem II Membranes with Fe(II) in the Light. <i>Biochemistry</i> , 2002, 41, 5854-5864.	2.5	27
81	Resonance Raman and Surface-Enhanced Resonance Raman Spectra of LH2 Antenna Complex from <i>Rhodobacter sphaeroides</i> and <i>Ectothiorhodospira</i> sp. Excited in the Q <sub>x</sub> and Q <sub>y</sub> Transitions. <i>Photochemistry and Photobiology</i> , 2000, 71, 589.	2.5	10
82	Sustained Photobiological Hydrogen Gas Production upon Reversible Inactivation of Oxygen Evolution in the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2000, 122, 127-136.	4.8	1,014
83	Time-Resolved Absorption Changes of the Pheophytin Q <sub>x</sub> Band in Isolated Photosystem II Reaction Centers at 7 K: Energy Transfer and Charge Separation. <i>Journal of Physical Chemistry B</i> , 1999, 103, 8364-8374.	2.6	48
84	Use of a Novel Histidyl Modifier To Probe for Residues on Tris-Treated Photosystem II Membrane Fragments That May Bind Functional Manganese. <i>Biochemistry</i> , 1998, 37, 13567-13574.	2.5	25
85	Surface-Enhanced Resonance Raman Scattering Spectroscopy of Plant Photosystem II Reaction Centers Excited on the Red-Edge of the Q <sub>y</sub> Band. <i>Journal of Physical Chemistry B</i> , 1998, 102, 2609-2613.	2.6	18
86	Effects of Carboxyl Amino Acid Modification on the Properties of the High-Affinity, Manganese-Binding Site in Photosystem II. <i>Biochemistry</i> , 1998, 37, 13559-13566.	2.5	28
87	Development of Selection and Screening Procedures for Rapid Identification of H <sub>2</sub> -Producing Algal Mutants with Increased O <sub>2</sub> Tolerance. , 1998, , 227-234.		6
88	Femtosecond PSII Reaction Center Studies at 7K. , 1998, , 1029-1032.		1
89	Photochemical Reactions of Photosystem II in Ethylene Glycol. <i>Biochemistry</i> , 1997, 36, 76-85.	2.5	10
90	Direct Measurement of the Effective Rate Constant for Primary Charge Separation in Isolated Photosystem II Reaction Centers. <i>Journal of Physical Chemistry B</i> , 1997, 101, 2251-2255.	2.6	83

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91	Oxygen sensitivity of algal H <sub>2</sub> - production. <i>Applied Biochemistry and Biotechnology</i> , 1997, 63-65, 141-151.	2.9	207
92	Spiral tubular bioreactors for hydrogen production by photosynthetic microorganisms. <i>Applied Biochemistry and Biotechnology</i> , 1997, 63-65, 577-584.	2.9	13
93	Spiral Tubular Bioreactors for Hydrogen Production by Photosynthetic Microorganisms. , 1997, , 577-584.		1
94	Interactions between Diphenylcarbazide, Zinc, Cobalt, and Manganese on the Oxidizing Side of Photosystem II. <i>Biochemistry</i> , 1996, 35, 1820-1828.	2.5	51
95	Wavelength and intensity dependent primary photochemistry of isolated Photosystem II reaction centers at 5Å°C. <i>Chemical Physics</i> , 1996, 210, 279-295.	1.9	30
96	Pigment Content of D1-D2-Cytochrome b559 Reaction Center Preparations after Removal of CP47 Contamination: An Immunological Study. <i>Biochemistry</i> , 1995, 34, 15214-15218.	2.5	11
97	Femtosecond Spectroscopy of PSII Reaction Centers: New Results. , 1995, , 663-666.		3
98	Surface-Enhanced Resonance Raman Scattering Spectroscopy of Photosystem II Pigment-Protein Complexes. <i>The Journal of Physical Chemistry</i> , 1994, 98, 6017-6022.	2.9	30
99	Pigment stoichiometry of the Photosystem II reaction center from higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1187, 187-190.	1.0	9
100	The state of iron in the oxygen-evolving core complex of the cyanobacterium <i>Phormidium laminosum</i> : Mössbauer spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1184, 171-177.	1.0	4
101	Slow oxygen release on the first two flashes in chemically stressed Photosystem II membrane fragments results from hydrogen peroxide oxidation. <i>Photosynthesis Research</i> , 1993, 38, 425-431.	2.9	13
102	STRUCTURAL AND FUNCTIONAL INTEGRITY OF THE PHOTOSYSTEM II REACTION CENTER ON SILVER ELECTRODES: FLUORESCENCE AND REDOX PROBES. <i>Photochemistry and Photobiology</i> , 1993, 58, 757-760.	2.5	10
103	Biochemical, Biophysical, and Structural Characterization of the Isolated Photosystem II Reaction Center Complex. , 1993, , 319-356.		48
104	[4] Surface-enhanced raman scattering spectroscopy of photosynthetic membranes and complexes. <i>Methods in Enzymology</i> , 1992, 213, 31-42.	1.0	17
105	Protease treatments of photosystem II membrane fragments reveal that these are four separate high-affinity manganese-binding sites. <i>Biochemistry</i> , 1991, 30, 9625-9633.	2.5	44
106	Stability of isolated bacterial and photosystem II reaction center complexes on silver electrode surfaces. A surface-enhanced resonance Raman study. <i>Journal of the American Chemical Society</i> , 1991, 113, 2839-2843.	13.7	30
107	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. <i>Biochemistry</i> , 1991, 30, 9615-9624.	2.5	58
108	Effects of detergent on the excited state structure and relaxation dynamics of the photosystem II reaction center: A high resolution hole burning study. <i>Photosynthesis Research</i> , 1991, 27, 19-29.	2.9	52



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109	Surface-enhanced resonance Raman scattering spectroscopy of bacterial photosynthetic membranes: orientation of the carotenoids of Rhodobacter sphaeroides 2.4.1. <i>Biochemistry</i> , 1990, 29, 707-712.	2.5	28
110	The Primary Charge-Separation Rate in Isolated Photosystem II Reaction Center Complex. , 1990, , 451-454.		1
111	Thermoluminescence (TL) Properties of Scenedesmus Non-Oxygen-Evolving Mutants and Isolated PSII Reaction Centers. , 1990, , 507-510.		1
112	Stabilization of Isolated Photosystem II Reaction Center Complex in the Dark and in the Light Using Polyethylene Glycol and an Oxygen-Scrubbing System. <i>Plant Physiology</i> , 1989, 89, 452-456.	4.8	89
113	Determination of the primary charge separation rate in Photosystem II reaction centers at 15 K. <i>Photosynthesis Research</i> , 1989, 22, 89-99.	2.9	68
114	Regeneration of the high-affinity manganese-binding site in the reaction center of an oxygen-evolution deficient mutant of Scenedesmus by protease action. <i>Photosynthesis Research</i> , 1989, 22, 101-113.	2.9	15
115	Lack of photoactivation capacity in Scenedesmus obliquus LF-1 results from loss of half the high-affinity manganese-binding site. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1989, 974, 185-191.	1.0	65
116	Transient and persistent hole burning of the reaction center of photosystem II. <i>The Journal of Physical Chemistry</i> , 1989, 93, 1649-1654.	2.9	112
117	Surface-enhanced Raman scattering spectroscopy: Probing the luminal surface of Photosystem II membranes for evidence of manganese. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988, 934, 235-246.	1.0	21
118	Spectral, Photophysical, and Stability Properties of Isolated Photosystem II Reaction Center. <i>Plant Physiology</i> , 1988, 87, 303-306.	4.8	148
119	Is functional manganese involved in hydrogen-peroxide-stimulated anomalous oxygen evolution in CaCl <sub>2</sub> -washed photosystem II membranes?. <i>Photosynthesis Research</i> , 1987, 13, 3-17.	2.9	25
120	A photosynthetic photoelectrochemical cell using phenazine methosulfate and phenazine ethosulfate as electron acceptors. <i>Applied Biochemistry and Biotechnology</i> , 1987, 14, 1-20.	2.9	15
121	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
122	Evidence for a dual function of the herbicide-binding D1 protein in photosystem II. <i>FEBS Letters</i> , 1986, 205, 269-274.	2.8	119
123	The azido[ <sup>14</sup> C]atrazine photoaffinity technique labels a 34-kDa protein in Scenedesmus which functions on the oxidizing side of photosystem II. <i>FEBS Letters</i> , 1985, 185, 191-196.	2.8	44
124	A surface-enhanced raman signal associated with functional manganese in oxygen-evolving photosystem II membranes. <i>FEBS Letters</i> , 1985, 182, 34-38.	2.8	28
125	Presence in Photosystem II Core Complexes of a 34-Kilodalton Polypeptide Required for Water Photolysis. <i>Plant Physiology</i> , 1984, 76, 829-832.	4.8	61
126	FLUORESCENCE PROPERTIES OF Ca <sup>2+</sup> PHYCOCYANIN ISOLATED FROM A THERMOPHILIC CYANOBACTERIUM. <i>Photochemistry and Photobiology</i> , 1984, 40, 267-271.	2.5	10



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127	Structural, biochemical and biophysical characterization of four oxygen-evolving Photosystem II preparations from spinach. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1984, 764, 179-193.	1.0	215
128	Oxygen-evolution patterns from spinach Photosystem II preparations. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1983, 723, 160-168.	1.0	34
129	Photoelectrochemical properties of electrodes coated with photoactive-membrane vesicles isolated from photosynthetic bacteria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1982, 681, 504-511.	1.0	16
130	A rapid procedure for the isolation and purification of photosynthetic reaction centers from <i>Rhodospseudomonas sphaeroides</i> R-26. <i>Archives of Biochemistry and Biophysics</i> , 1982, 216, 255-258.	3.0	20
131	Patterns of oxygen emission from active oxygen-evolving photosystem II particles subjected to sequences of flashes. <i>FEBS Letters</i> , 1982, 144, 101-103.	2.8	14
132	LIGHT-INDUCED ELECTRON TRANSPORT ACROSS SEMICONDUCTOR ELECTRODE/REACTION-CENTER FILM/ELECTROLYTE INTERFACES. <i>Photochemistry and Photobiology</i> , 1982, 35, 193-200.	2.5	33
133	Biological Energy Conversion Process Biochemical and Photosynthetic Aspects of Energy Production Anthony San Pietro. <i>BioScience</i> , 1981, 31, 609-609.	4.9	0
134	Photobiological production of hydrogen. <i>Solar Energy</i> , 1980, 24, 3-45.	6.1	181
135	Photoelectrochemical conversion using reaction-centre electrodes. <i>Nature</i> , 1980, 286, 584-585.	27.8	62
136	Biological solar energy conversion. <i>Solar Energy</i> , 1978, 21, 355.	6.1	2
137	Fluorescent kinetics of chlorophyll in Photosystems I and II enriched fractions of spinach. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1975, 387, 159-164.	1.0	35
138	Probing Photosynthesis on a Picosecond Time Scale. <i>Biophysical Journal</i> , 1974, 14, 269-283.	0.5	45
139	Picosecond fluorescent kinetics of in vivo chlorophyll. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1973, 292, 493-495.	1.0	45
140	Primary processes in photosynthesis: In situ ESR studies on the light induced oxidized and triplet state of reaction center bacteriochlorophyll. <i>Biochemical and Biophysical Research Communications</i> , 1972, 46, 406-413.	2.1	183
141	The effect of glutaraldehyde fixation on the primary photochemical processes in bacterial photosynthesis. <i>Archives of Biochemistry and Biophysics</i> , 1971, 146, 611-617.	3.0	8
142	Photosynthetic reaction center transients, P435 and P424, in <i>Chromatium D</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1971, 253, 396-411.	1.0	33
143	A low potential photosystem in <i>Chromatium D</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1971, 226, 189-192.	1.0	19
144	Relations between the laser-induced oxidations of the high and low potential cytochromes of <i>Chromatium D</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1970, 205, 220-231.	1.0	46

#	ARTICLE	IF	CITATIONS
145	Photosynthetic Water-Splitting for Hydrogen Production. , 0, , 273-291.		15