StenbjÃ¶rn Styring

List of Publications by Year
in descending order

173 papers	11,813 citations	19636 61 h-index	29127 104 g-index
173 all docs	173 docs citations	173 times ranked	7621 citing authors

#	Article	IF	Citations
1	Luminescence and reactivity of a charge-transfer excited iron complex with nanosecond lifetime. Science, 2019, 363, 249-253.	6.0	249
2	Photodamage of ironâ€“sulphur clusters in photosystem I induces non-photochemical energy dissipation. Nature Plants, 2016, 2, 16035.	4.7	133
3	Turning around the electron flow in an uptake hydrogenase. EPR spectroscopy and in vivo activity of a designed mutant in HupSL from Nostoc punctiforme. Energy and Environmental Science, 2016, 9, 581-594.	15.6	24
4	Structural, magnetic, thermal and visible light-driven water oxidation studies of heterometallic Mn/V complexes. Polyhedron, 2015, 88, 81-89.	1.0	14
5	Photoinduced reduction of the medial FeS center in the hydrogenase small subunit HupS from Nostoc punctiforme. Journal of Inorganic Biochemistry, 2015, 148, 57-61.	1.5	1
6	First turnover analysis of water-oxidation catalyzed by Co-oxide nanoparticles. Energy and Environmental Science, 2015, 8, 2492-2503.	15.6	43
7	Iron sensitizer converts light to electrons with 92% yield. Nature Chemistry, 2015, 7, 883-889.	6.6	193
8	Dark-adapted spinach thylakoid protein heterogeneity offers insights into the photosystem II repair cycle. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1463-1471.	0.5	24
9	A Ruâ€“Co hybrid material based on a molecular photosensitizer and a heterogeneous catalyst for light-driven water oxidation. Physical Chemistry Chemical Physics, 2014, 16, 3661.	1.3	12
10	Water oxidation by manganese oxides formed from tetranuclear precursor complexes: the influence of phosphate on structure and activity. Physical Chemistry Chemical Physics, 2014, 16, 11965.	1.3	38
11	Quantitative determination of the Ru(bpy)₃²⁺ cation in photochemical reactions by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Analytical Methods, 2014, 6, 8513-8518.	1.3	5
12	A Tandem Mass Spectrometric Method for Singlet Oxygen Measurement. Photochemistry and Photobiology, 2014, 90, 965-971.	1.3	13
13	Defining the Far-red Limit of Photosystem I. Journal of Biological Chemistry, 2014, 289, 24630-24639.	1.6	16
14	Spectroscopic Evidence for a Redox-Controlled Proton Gate at Tyrosine D in Photosystem II. Biochemistry, 2014, 53, 5721-5723.	1.2	8
15	The Photochemistry in Photosystem II at 5 K Is Different in Visible and Far-Red Light. Biochemistry, 2014, 53, 4228-4238.	1.2	12
16	Isolation and Characterization of the Small Subunit of the Uptake Hydrogenase from the Cyanobacterium Nostoc punctiforme. Journal of Biological Chemistry, 2013, 288, 18345-18352.	1.6	12
17	Artificial photosynthesis as a frontier technology for energy sustainability. Energy and Environmental Science, 2013, 6, 1074.	15.6	284
18	Synthesis, crystal structure, mass spectrometry, electrochemistry and magnetism of a MnIII-substituted trilacunary Keggin tungstosilicate. Dalton Transactions, 2013, 42, 5130.	1.6	9

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19	Energy and environment policy case for a global project on artificial photosynthesis. Energy and Environmental Science, 2013, 6, 695.	15.6	264
20	Electron transfer from Cyt b 559 and tyrosine-D to the S2 and S3 states of the water oxidizing complex in photosystem II at cryogenic temperatures. Journal of Bioenergetics and Biomembranes, 2013, 45, 111-120.	1.0	9
21	Split Electron Paramagnetic Resonance Signal Induction in Photosystem II Suggests Two Binding Sites in the S₂ State for the Substrate Analogue Methanol. Biochemistry, 2013, 52, 3669-3677.	1.2	8
22	Increased photosystem II stability promotes H₂production in sulfur-deprivedChlamydomonas reinhardtii. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7223-7228.	3.3	107
23	Misses during Water Oxidation in Photosystem II Are S State-dependent. Journal of Biological Chemistry, 2012, 287, 13422-13429.	1.6	23
24	Stability of the S₃ and S₂ State Intermediates in Photosystem II Directly Probed by EPR Spectroscopy. Biochemistry, 2012, 51, 138-148.	1.2	18
25	Visible Light Induction of an Electron Paramagnetic Resonance Split Signal in Photosystem II in the S2 State Reveals the Importance of Charges in the Oxygen-Evolving Center during Catalysis: A Unifying Model. Biochemistry, 2012, 51, 2054-2064.	1.2	15
26	Molecular Chemistry for Solar Fuels: From Natural to Artificial Photosynthesis. Australian Journal of Chemistry, 2012, 65, 564.	0.5	12
27	Solar Fuels: Vision and Concepts. Ambio, 2012, 41, 156-162.	2.8	9
28	FTIR Study of Manganese Dimers with Carboxylate Donors As Model Complexes for the Water Oxidation Complex in Photosystem II. Inorganic Chemistry, 2012, 51, 2332-2337.	1.9	9
29	Artificial photosynthesis for solar fuels. Faraday Discussions, 2012, 155, 357-376.	1.6	149
30	Atomic structure of cobalt-oxide nanoparticles active in light-driven catalysis of water oxidation. International Journal of Hydrogen Energy, 2012, 37, 8878-8888.	3.8	42
31	Two tyrosines that changed the world: Interfacing the oxidizing power of photochemistry to water splitting in photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 76-87.	0.5	108
32	Photochemical water oxidation with visible light using a cobalt containing catalyst. Energy and Environmental Science, 2011, 4, 1284.	15.6	121
33	Proton-coupled electron transfer of tyrosines in Photosystem II and model systems for artificial photosynthesis: the role of a redox-active link between catalyst and photosensitizer. Energy and Environmental Science, 2011, 4, 2379.	15.6	149
34	Mechanistic Studies on the Water-Oxidizing Reaction of Homogeneous Manganese-Based Catalysts: Isolation and Characterization of a Suggested Catalytic Intermediate. Inorganic Chemistry, 2011, 50, 3425-3430.	1.9	26
35	Electronic Structure of Oxidized Complexes Derived fromcis-[RuII(bpy)2(H2O)2]2+and Its Photoisomerization Mechanism. Inorganic Chemistry, 2011, 50, 11134-11142.	1.9	64
36	The formation of the split EPR signal from the S3 state of Photosystem II does not involve primary charge separation. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 11-21.	0.5	14

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37	Electron paramagnetic resonance study of the electron transfer reactions in photosystem II membrane preparations from Arabidopsis thaliana. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 205-215.	0.5	11
38	Modeling Photosystem I with the alternative reaction center protein PsaB2 in the nitrogen fixing cyanobacterium Nostoc punctiforme. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1152-1161.	0.5	18
39	Evidence for a Precursor Complex in Cï£¿H Hydrogen Atom Transfer Reactions Mediated by a Manganese(IV) Oxo Complex. Angewandte Chemie - International Edition, 2011, 50, 5648-5653.	7.2	103
40	Role of Novel Dimeric Photosystem II (PSII)-Psb27 Protein Complex in PSII Repair. Journal of Biological Chemistry, 2011, 286, 29548-29555.	1.6	42
41	Metalloradical EPR Signals from the YZÂ·S-State Intermediates in Photosystem II. Applied Magnetic Resonance, 2010, 37, 151-176.	0.6	35
42	Synthesis and characterisation of low valent Mn-complexes as models for Mn-catalases. Dalton Transactions, 2010, 39, 11035.	1.6	10
43	Effects of pH on the S₃ State of the Oxygen Evolving Complex in Photosystem II Probed by EPR Split Signal Induction. Biochemistry, 2010, 49, 9800-9808.	1.2	19
44	Direct synthesis of an heterometallic {MnII3CrIII4} wheel by decomposition of Reineckes salt. Dalton Transactions, 2010, 39, 2344.	1.6	18
45	Defining the Far-Red Limit of Photosystem II in Spinach Â. Plant Cell, 2009, 21, 2391-2401.	3.1	49
46	Transcription of a â€œsilentâ€•cyanobacterial psbA gene is induced by microaerobic conditions. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 105-112.	0.5	55
47	The S1 split signal of photosystem II; a tyrosineâ€“manganese coupled interaction. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 882-889.	0.5	12
48	Comparison of the electron transport properties of the psbo1 and psbo2 mutants of Arabidopsis thaliana. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 1230-1237.	0.5	38
49	Splitting with a difference. Nature Chemistry, 2009, 1, 185-186.	6.6	8
50	Biomimetic and Microbial Approaches to Solar Fuel Generation. Accounts of Chemical Research, 2009, 42, 1899-1909.	7.6	403
51	The S0 State of the Water Oxidizing Complex in Photosystem II: pH Dependence of the EPR Split Signal Induction and Mechanistic Implications. Biochemistry, 2009, 48, 9393-9404.	1.2	12
52	Two tetranuclear Mn-complexes as biomimetic models of the oxygen evolving complex in Photosystem II. A synthesis, characterisation and reactivity study. Dalton Transactions, 2009, , 10044.	1.6	34
53	Access channels and methanol binding site to the CaMn4 cluster in Photosystem II based on solvent accessibility simulations, with implications for substrate water access. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 140-153.	0.5	151
54	Phosphorylation-dependent regulation of excitation energy distribution between the two photosystems in higher plants. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 425-432.	0.5	93

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55	Direct quantification of the four individual S states in Photosystem II using EPR spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 496-503.	0.5	17
56	Formation of stoichiometrically 18O-labelled oxygen from the oxidation of 18O-enriched water mediated by a dinuclear manganese complexâ€"a mass spectrometry and EPR study. Energy and Environmental Science, 2008, 1, 668.	15.6	102
57	EPR Characterization of Photosystem II from Different Domains of the Thylakoid Membrane. Biochemistry, 2008, 47, 3883-3891.	1.2	15
58	Coupled electron transfers in artificial photosynthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1283-1291.	1.8	60
59	pH Dependent Competition between YZ and YD in Photosystem II Probed by Illumination at 5 K. Biochemistry, 2007, 46, 7865-7874.	1.2	23
60	Oxygen evolving reactions catalysed by synthetic manganese complexes: A systematic screening. Dalton Transactions, 2007, , 4258.	1.6	111
61	Functional Characterization of Monomeric Photosystem II Core Preparations from Thermosynechococcus elongatus with or without the Psb27 Protein. Biochemistry, 2007, 46, 5542-5551.	1.2	50
62	Formation Spectra of the EPR Split Signals from the S₀, S₁, and S₃ States in Photosystem II Induced by Monochromatic Light at 5 K. Biochemistry, 2007, 46, 10703-10712.	1.2	28
63	Enhancement of YDâ€¢ spin relaxation by the CaMn4 cluster in photosystem II detected at room temperature: A new probe for the S-cycle. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 5-14.	0.5	5
64	Insights into the function of PsbR protein in Arabidopsis thaliana. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 677-685.	0.5	44
65	Functional Heterogeneity of Photosystem II in Domain Specific Regions of the Thylakoid Membrane of Spinach (Spinacia oleracea L.)â€. Biochemistry, 2007, 46, 3443-3453.	1.2	24
66	Oxygen-induced changes in the redox state of the cytochrome b559in photosystem II depend on the integrity of the Mn cluster. Physiologia Plantarum, 2007, 131, 41-49.	2.6	17
67	Isolation and characterization of thylakoid membranes from the filamentous cyanobacterium Nostoc punctiforme. Physiologia Plantarum, 2007, 131, 622-634.	2.6	15
68	EPR investigations of synthetic manganese complexes as bio-mimics of the water oxidation complex in photosystem II. Applied Magnetic Resonance, 2007, 31, 301-320.	0.6	10
69	Rhodobacter capsulatus magnesium chelatase subunit BchH contains an oxygen sensitive ironâ€"sulfur cluster. Archives of Microbiology, 2007, 188, 599-608.	1.0	19
70	Dimeric and Monomeric Organization of Photosystem II. Journal of Biological Chemistry, 2006, 281, 14241-14249.	1.6	117
71	Split EPR Signals from Photosystem II Are Modified by Methanol, Reflecting S State-Dependent Binding and Alterations in the Magnetic Coupling in the CaMn4 Cluster. Biochemistry, 2006, 45, 7617-7627.	1.2	30
72	Spectral Resolution of the Split EPR Signals Induced by Illumination at 5 K from the S1, S3, and S0 States in Photosystem II. Biochemistry, 2006, 45, 9279-9290.	1.2	40

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73	Mimicking the electron donor side of Photosystem II in artificial photosynthesis. Photosynthesis Research, 2006, 87, 25-40.	1.6	101
74	Consistent simulation of X- and Q-band EPR spectra of an unsymmetric dinuclear Mn2II,III complex. Journal of Inorganic Biochemistry, 2006, 100, 1139-1146.	1.5	9
75	Redox Chemistry of a Dimanganese(II,III) Complex with an Unsymmetric Ligand: Water Binding, Deprotonation and Accumulative Light-Induced Oxidation. European Journal of Inorganic Chemistry, 2006, 2006, 5033-5047.	1.0	27
76	Synthesis and characterization of a six-coordinate monomeric Mn(III) complex with SOD-like activity. Journal of Coordination Chemistry, 2006, 59, 119-130.	0.8	7
77	PsbR, a Missing Link in the Assembly of the Oxygen-evolving Complex of Plant Photosystem II. Journal of Biological Chemistry, 2006, 281, 145-150.	1.6	119
78	Synthesis and Characterization of Dinuclear Ruthenium Complexes Covalently Linked to RuII Tris-bipyridine: An Approach to Mimics of the Donor Side of Photosystem II. Chemistry - A European Journal, 2005, 11, 7305-7314.	1.7	39
79	Light Induced Manganese Oxidation and Long-Lived Charge Separation in a Mn2II,IIâ^'RuII(bpy)3â^'Acceptor Triad. Journal of the American Chemical Society, 2005, 127, 17504-17515.	6.6	141
80	Switching the Redox Mechanism:Â Models for Proton-Coupled Electron Transfer from Tyrosine and Tryptophan. Journal of the American Chemical Society, 2005, 127, 3855-3863.	6.6	224
81	Quantification of photosystem I and II in different parts of the thylakoid membrane from spinach. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1608, 53-61.	0.5	120
82	Light-induced multistep oxidation of dinuclear manganese complexes for artificial photosynthesis. Journal of Inorganic Biochemistry, 2004, 98, 733-745.	1.5	36
83	Synthesis of a Ru(bpy)3-type complex linked to a free terpyridine ligand and its use for preparation of polynuclear bimetallic complexes. Catalysis Today, 2004, 98, 529-536.	2.2	23
84	Relaxation behaviour of the tyrosine YD radical in photosystem II: evidence for strong dipolar interaction with paramagnetic centers in the S1 and S2 states. Physical Chemistry Chemical Physics, 2004, 6, 4890.	1.3	7
85	Tuning proton coupled electron transfer from tyrosine: A competition between concerted and step-wise mechanisms. Physical Chemistry Chemical Physics, 2004, 6, 4851-4858.	1.3	72
86	Stepwise Charge Separation from a Rutheniumâ^'Tyrosine Complex to a Nanocrystalline TiO2Film. Journal of Physical Chemistry B, 2004, 108, 12904-12910.	1.2	28
87	Molecular interference of Cd2+ with Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1659, 19-31.	0.5	147
88	Spin conversion of cytochrome b559 in photosystem II induced by exogenous high potential quinone. Chemical Physics, 2003, 294, 471-482.	0.9	10
89	Logistics in the life cycle of Photosystem II-lateral movement in the thylakoid membrane and activation of electron transfer. Physiologia Plantarum, 2003, 119, 328-336.	2.6	17
90	Electron transfer from cytochrome b559 and tyrosineD to the S2 and S3 states of the water oxidizing complex in photosystem II. Chemical Physics, 2003, 294, 415-431.	0.9	21

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91	pH Dependence of the Donor Side Reactions in Ca2+-Depleted Photosystem IIâ€. Biochemistry, 2003, 42, 6185-6192.	1.2	19
92	Flash-Induced Relaxation Changes of the EPR Signals from the Manganese Cluster and YDReveal a Light-Adaptation Process of Photosystem IIâ€. Biochemistry, 2003, 42, 2748-2758.	1.2	8
93	Synthesis and Photophysics of One Mononuclear Mn(III) and One Dinuclear Mn(III,III) Complex Covalently Linked to a Ruthenium(II) Tris(bipyridyl) Complex. Inorganic Chemistry, 2003, 42, 7502-7511.	1.9	38
94	Formation of Split Electron Paramagnetic Resonance Signals in Photosystem II Suggests That TyrosineZ Can Be Photooxidized at 5 K in the S0 and S1 States of the Oxygen-Evolving Complex. Biochemistry, 2003, 42, 8066-8076.	1.2	74
95	General discussion summary. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1419-1420.	1.8	8
96	Magneto-Optical Measurements of the Pigments in Fully Active Photosystem II Core Complexes from Plantsâ€. Biochemistry, 2002, 41, 1981-1989.	1.2	67
97	The mechanism for protonâ€“coupled electron transfer from tyrosine in a model complex and comparisons with Y Z oxidation in photosystem II. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1471-1479.	1.8	54
98	pH Dependence of the Four Individual Transitions in the Catalytic S-Cycle during Photosynthetic Oxygen Evolutionâ€. Biochemistry, 2002, 41, 5830-5843.	1.2	70
99	Rutheniumâ^'Manganese Complexes for Artificial Photosynthesis:Â Factors Controlling Intramolecular Electron Transfer and Excited-State Quenching Reactions. Inorganic Chemistry, 2002, 41, 1534-1544.	1.9	82
100	Light-Driven Tyrosine Radical Formation in a Rutheniumâ^'Tyrosine Complex Attached to Nanoparticle TiO2. Inorganic Chemistry, 2002, 41, 6258-6266.	1.9	35
101	Photo-induced oxidation of a dinuclear Mn2II,II complex to the Mn2III,IV state by inter- and intramolecular electron transfer to RuIIItris-bipyridine. Journal of Inorganic Biochemistry, 2002, 91, 159-172.	1.5	97
102	Influence of protein phosphorylation on the electron-transport properties of Photosystem II. Photosynthesis Research, 2002, 74, 61-72.	1.6	15
103	Comparative studies of the S0 and S2 multiline electron paramagnetic resonance signals from the manganese cluster in Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1503, 83-95.	0.5	25
104	The S3 State of the Oxygen-Evolving Complex in Photosystem II Is Converted to the S2YZâ€¢ State at Alkaline pH,. Biochemistry, 2001, 40, 10881-10891.	1.2	55
105	A biomimetic approach to artificial photosynthesis: Ru(II)â€“polypyridine photo-sensitisers linked to tyrosine and manganese electron donors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 2145-2160.	2.0	35
106	Towards artificial photosynthesis: rutheniumâ€“manganese chemistry for energy production. Chemical Society Reviews, 2001, 30, 36-49.	18.7	530
107	Mimicking photosystem II reactions in artificial photosynthesis: Ru(II)-polypyridine photosensitisers linked to tyrosine and manganese electron donors. Catalysis Today, 2000, 58, 57-69.	2.2	14
108	Towards an artificial model for Photosystem II: a manganese(II,II) dimer covalently linked to ruthenium(II) tris-bipyridine via a tyrosine derivative1Preliminary accounts of this work have been presented as invited lectures at: EUCHEM Conference, Artificial Photosynthesis, May 1998, Sigtuna, Sweden; Fourth Nordic Congress on Photosynthesis, Nov. 1998, Naantali, Finland; EBEC, July 1998, GÃ¶teborg, Sweden.1. Journal of Inorganic Biochemistry, 2000, 78, 15-22.	1.5	73

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109	Photosystem II in Different Parts of the Thylakoid Membrane:Â A Functional Comparison between Different Domainsâ€. Biochemistry, 2000, 39, 10478-10486.	1.2	51
110	Proton-Coupled Electron Transfer from Tyrosine in a Tyrosineâ^'Rutheniumâ^'tris-Bipyridine Complex:Â Comparison with TyrosineZOxidation in Photosystem II. Journal of the American Chemical Society, 2000, 122, 3932-3936.	6.6	262
111	Proton Equilibria in the Manganese Cluster of Photosystem II Control the Intensities of the S0and S2Stategâ‰ˆ 2 Electron Paramagnetic Resonance Signalsâ€. Biochemistry, 2000, 39, 6763-6772.	1.2	21
112	The role of cytochrome b559 and tyrosineD in protection against photoinhibition during in vivo photoactivation of Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1411, 180-191.	0.5	56
113	Methanol modification of the electron paramagnetic resonance signals from the S0 and S2 states of the water-oxidizing complex of Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1412, 240-249.	0.5	28
114	A Biomimetic Model System for the Water Oxidizing Triad in Photosystem II. Journal of the American Chemical Society, 1999, 121, 89-96.	6.6	75
115	Hydrogen-Bond Promoted Intramolecular Electron Transfer to Photogenerated Ru(III):â€‰ A Functional Mimic of TyrosineZ and Histidine 190 in Photosystem II. Journal of the American Chemical Society, 1999, 121, 6834-6842.	6.6	90
116	The EPR Signals from the S0and S2States of the Mn Cluster in Photosystem II Relax Differentlyâ€. Biochemistry, 1999, 38, 15223-15230.	1.2	16
117	Interconversion of Low- and High-Potential Forms of Cytochromeb559in Tris-Washed Photosystem II Membranes under Aerobic and Anaerobic Conditions. Biochemistry, 1999, 38, 10578-10584.	1.2	33
118	Title is missing!. Photosynthesis Research, 1998, 58, 231-243.	1.6	2
119	Artificial photosynthesis: Towards functional mimics of photosystem II?. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1365, 193-199.	0.5	15
120	Stepwise Disintegration of the Photosynthetic Oxygen-Evolving Complex. Journal of the American Chemical Society, 1998, 120, 10441-10452.	6.6	44
121	Intramolecular Electron Transfer from Manganese(II) Coordinatively Linked to a Photogenerated Ru(III)â^'Polypyridine Complex:â€‰ A Kinetic Analysis. Journal of Physical Chemistry A, 1998, 102, 2512-2518.	1.1	38
122	Involvement of Histidine 190 on the D1 Protein in Electron/Proton Transfer Reactions on the Donor Side of Photosystem IIâ€. Biochemistry, 1998, 37, 14245-14256.	1.2	136
123	The S0State EPR Signal from the Mn Cluster in Photosystem II Arises from an IsolatedS=1/2Ground Stateâ€. Biochemistry, 1998, 37, 8115-8120.	1.2	65
124	Coupled Activation of the Donor and the Acceptor Side of Photosystem II during Photoactivation of the Oxygen Evolving Clusterâ€. Biochemistry, 1998, 37, 11039-11045.	1.2	47
125	Intramolecular electron transfer from coordinated manganese(ii) to photogenerated ruthenium(iii). Chemical Communications, 1997, , 607-608.	2.2	37
126	Mimicking Electron Transfer Reactions in Photosystem II:â€‰ Synthesis and Photochemical Characterization of a Ruthenium(II) Tris(bipyridyl) Complex with a Covalently Linked Tyrosine. Journal of the American Chemical Society, 1997, 119, 10720-10725.	6.6	135

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127	An Oscillating Manganese Electron Paramagnetic Resonance Signal from the S0 State of the Oxygen Evolving Complex in Photosystem II. Biochemistry, 1997, 36, 13148-13152.	1.2	183
128	A Quantum Chemical Study of Hydrogen Abstraction from Manganese-Coordinated Water by a Tyrosyl Radical:Â A Model for Water Oxidation in Photosystem II. Journal of the American Chemical Society, 1997, 119, 8285-8292.	6.6	124
129	Electron paramagnetic resonance study of the Sâ€…=â€…Â½â€…ground state of a radiolysis-generated manganese(III)â€“trimanganese(IV) form of [MnIV4O6(bipy)6]4+ (bipyâ€…=â€…2,2â€²-bipyridine). Comparison with the photosynthetic Oxygen Evolving Complexâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1997, , 4069-4074.	1.1	41
130	Binuclear Rutheniumâ^'Manganese Complexes as Simple Artificial Models for Photosystem II in Green Plants. Journal of the American Chemical Society, 1997, 119, 6996-7004.	6.6	123
131	Tyrosyl Radicals in Enzyme Catalysis: Some Properties and a Focus on Photosynthetic Water Oxidation.. Acta Chemica Scandinavica, 1997, 51, 533-540.	0.7	82
132	Spectroscopic Characterization of Intermediate Steps Involved in Donor-Side-Induced Photoinhibition of Photosystem II. Biochemistry, 1996, 35, 7794-7801.	1.2	41
133	A Model for the Photosystem II Reaction Center Core Including the Structure of the Primary Donor P680â€,â€¡. Biochemistry, 1996, 35, 14486-14502.	1.2	209
134	A hydrogen-atom abstraction model for the function of YZ in photosynthetic oxygen evolution. Photosynthesis Research, 1995, 46, 177-184.	1.6	220
135	Ca2+ depletion modifies the electron transfer on both donor and acceptor sides in Photosystem II from spinach. Biochimica Et Biophysica Acta - Bioenergetics, 1995, 1230, 155-164.	0.5	57
136	Copper(II) Inhibition of Electron Transfer through Photosystem II Studied by EPR Spectroscopy. Biochemistry, 1995, 34, 12747-12754.	1.2	92
137	Spin-Density Distribution, Conformation, and Hydrogen Bonding of the Redox-Active Tyrosine YZ in Photosystem II from Multiple-Electron Magnetic-Resonance Spectroscopies: Implications for Photosynthetic Oxygen Evolution. Journal of the American Chemical Society, 1995, 117, 10325-10335.	6.6	243
138	Photosystem II in a mutant of Chlamydomonas reinhardtii lacking the 23 kDa psbP protein shows increased sensitivity to photoinhibition in the absence of chloride. Photosynthesis Research, 1994, 39, 75-83.	1.6	41
139	Redox interaction of Tyrosine-D with the S-states of the water-oxidizing complex in intact and chloride-depleted Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1185, 65-74.	0.5	21
140	Mutation of a putative ligand to the non-heme iron in Photosystem II: implications for QA reactivity, electron transfer, and herbicide binding. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1184, 263-272.	0.5	17
141	Electrons generated by photosystem II are utilized by an oxidase in the absence of photosystem I in the cyanobacteriumSynechocystissp. PCC 6803. FEBS Letters, 1994, 337, 103-108.	1.3	45
142	Point-Mutations Affecting the Properties of TyrosineD in Photosystem II. Characterization by Isotopic Labeling and Spectral Simulation. Biochemistry, 1994, 33, 11805-11813.	1.2	24
143	Photosynthetic water oxidation: The protein framework. Photosynthesis Research, 1993, 38, 249-263.	1.6	75
144	Reduced content of the quinone acceptor Q A in photosystem II complexes isolated from thylakoid membranes after prolonged photoinhibition under anaerobic conditions. FEBS Letters, 1993, 327, 343-346.	1.3	15

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145	Characterization of chlorophyll triplet promoting states in photosystem II sequentially induced during photoinhibition. Biochemistry, 1993, 32, 3334-3341.	1.2	51
146	Modified EPR spectra of the tyrosineD radical in photosystem II in site-directed mutants of Synechocystis sp. PCC 6803: Identification of side chains in the immediate vicinity of tyrosineD on the D2 protein. Biochemistry, 1993, 32, 5436-5441.	1.2	85
147	Reversible and irreversible intermediates during photoinhibition of photosystem II: stable reduced QA species promote chlorophyll triplet formation.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 1408-1412.	3.3	487
148	Spectroscopic characterization of triplet forming states in photosystem II. Biochemistry, 1992, 31, 5957-5963.	1.2	41
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