

Alfred R Holzwarth

List of Publications by Year in descending order

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260
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15,341
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15880

67
h-index

26792

111
g-index

275
all docs

275
docs citations

275
times ranked

7746
citing authors

#	ARTICLE	IF	CITATIONS
1	Thylakoid membrane reorganizations revealed by small-angle neutron scattering of <i>Monstera deliciosa</i> leaves associated with non-photochemical quenching. <i>Open Biology</i> , 2020, 10, 200144.	1.5	9
2	Direct energy transfer from photosystem II to photosystem I confers winter sustainability in Scots Pine. <i>Nature Communications</i> , 2020, 11, 6388.	5.8	50
3	On the PsbS-induced quenching in the plant major light-harvesting complex LHCII studied in proteoliposomes. <i>Photosynthesis Research</i> , 2020, 144, 195-208.	1.6	20
4	Characterization of fluorescent chlorophyll charge-transfer states as intermediates in the excited state quenching of light-harvesting complex II. <i>Photosynthesis Research</i> , 2020, 144, 171-193.	1.6	36
5	Time-resolved fluorescence measurements on leaves: principles and recent developments. <i>Photosynthesis Research</i> , 2019, 140, 355-369.	1.6	31
6	Zeaxanthin-dependent nonphotochemical quenching does not occur in photosystem I in the higher plant <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4828-4832.	3.3	35
7	“Super-quenching” state protects Symbiodinium from thermal stress” Implications for coral bleaching. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 840-847.	0.5	63
8	Simultaneous refolding of denatured PsbS and reconstitution with LHCII into liposomes of thylakoid lipids. <i>Photosynthesis Research</i> , 2016, 127, 109-116.	1.6	16
9	Effect of the LHCII pigment-protein complex aggregation on photovoltaic properties of sensitized TiO ₂ solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20856-20865.	1.3	24
10	Charge-Transfer Character of the Low-Energy Chl <i>a</i> Q _y Absorption Band in Aggregated Light Harvesting Complexes II. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6086-6091.	1.2	30
11	Chlorophyll a fluorescence: beyond the limits of the QA model. <i>Photosynthesis Research</i> , 2014, 120, 43-58.	1.6	137
12	Non-Photochemical Quenching Mechanisms in Intact Organisms as Derived from Ultrafast-Fluorescence Kinetic Studies. <i>Advances in Photosynthesis and Respiration</i> , 2014, , 129-156.	1.0	17
13	An NMR comparison of the light-harvesting complex II (LHCII) in active and photoprotective states reveals subtle changes in the chlorophyll a ground-state electronic structures. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 738-744.	0.5	25
14	Two Different Mechanisms Cooperate In The Desiccation-Induced Excited State Quenching In <i>Parmelia</i> Lichen. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11326-11336.	1.2	43
15	Artificial Photosynthesis for Solar Fuels – an Evolving Research Field within AMPEA, a Joint Programme of the European Energy Research Alliance. <i>Green</i> , 2013, 3, .	0.4	62
16	Structure Determination of a Bio-Inspired Self-Assembled Light-Harvesting Antenna by Solid-State NMR and Molecular Modeling. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11292-11298.	1.2	24
17	On the analysis of non-photochemical chlorophyll fluorescence quenching curves. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 786-792.	0.5	40
18	Femtosecond Transient Absorption Spectroscopy on the Light-Adaptation of Living Plants. <i>EPJ Web of Conferences</i> , 2013, 41, 08006.	0.1	2

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19	Role of Carotenoids in Photosystem II (PSII) Reaction Centers. <i>International Journal of Thermophysics</i> , 2012, 33, 2021-2025.	1.0	11
20	Structural Variability in Wild-Type and <i>bchQ bchR</i> Mutant Chlorosomes of the Green Sulfur Bacterium <i>Chlorobaculum tepidum</i> . <i>Biochemistry</i> , 2012, 51, 4488-4498.	1.2	47
21	Water coordinated zinc dioxo-chlorin and porphyrin self-assemblies as chlorosomal mimics: variability of supramolecular interactions. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1069-1080.	1.6	13
22	Biosupramolecular Nanowires from Chlorophyll Dyes with Exceptional Charge Transport Properties. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6378-6382.	7.2	88
23	The role of the xanthophyll cycle and of lutein in photoprotection of photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 182-193.	0.5	867
24	On the relationship between non-photochemical quenching and photoprotection of Photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 760-769.	0.5	152
25	On the Nature of the "Dark S" Excited State of β -Carotene. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3698-3712.	1.1	49
26	Organization of Bacteriochlorophylls in Individual Chlorosomes from <i>Chlorobaculum tepidum</i> Studied by 2-Dimensional Polarization Fluorescence Microscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 17192-17199.	6.6	59
27	First solid-state NMR analysis of uniformly ^{13}C -enriched major light-harvesting complexes from <i>Chlamydomonas reinhardtii</i> and identification of protein and cofactor spin clusters. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 437-443.	0.5	15
28	Evidence for a fluorescence yield change driven by a light-induced conformational change within photosystem II during the fast chlorophyll a fluorescence rise. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1032-1043.	0.5	88
29	Evaluation of $^{99\text{m}}\text{Tc}$ -Pheophorbide-a use in infection imaging: A rat model. <i>Applied Radiation and Isotopes</i> , 2011, 69, 1165-1168.	0.7	12
30	Quenching in <i>Arabidopsis thaliana</i> Mutants Lacking Monomeric Antenna Proteins of Photosystem II. <i>Journal of Biological Chemistry</i> , 2011, 286, 36830-36840.	1.6	50
31	Identification of a slowly inducible zeaxanthin-dependent component of non-photochemical quenching of chlorophyll fluorescence generated under steady-state conditions in <i>Arabidopsis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 466-475.	0.5	340
32	Energy transfer processes in the isolated core antenna complexes CP43 and CP47 of photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1606-1616.	0.5	36
33	Singlet Energy Dissipation in the Photosystem II Light-Harvesting Complex Does Not Involve Energy Transfer to Carotenoids. <i>ChemPhysChem</i> , 2010, 11, 1289-1296.	1.0	177
34	Excited state relaxation dynamics and electronic properties of a quinoid carotenoid. <i>Chemical Physics</i> , 2010, 373, 137-144.	0.9	5
35	Excited State Processes in β -Deazariboflavin Studied by Ultrafast Fluorescence Kinetics. <i>Photochemistry and Photobiology</i> , 2010, 86, 31-38.	1.3	5
36	Independent initiation of primary electron transfer in the two branches of the photosystem I reaction center. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4123-4128.	3.3	129

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37	Kinetic and Spectral Resolution of Multiple Nonphotochemical Quenching Components in Arabidopsis Leaves. <i>Plant Physiology</i> , 2010, 152, 1611-1624.	2.3	65
38	Electronic Coherence Provides a Direct Proof for Energy-Level Crossing in Photoexcited Lutein and β -Carotene. <i>Physical Review Letters</i> , 2009, 103, 108302.	2.9	64
39	Alternating <i>syn-anti</i> bacteriochlorophylls form concentric helical nanotubes in chlorosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8525-8530.	3.3	283
40	Ultrafast fluorescence study on the location and mechanism of non-photochemical quenching in diatoms. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 1189-1197.	0.5	136
41	Trapping kinetics in isolated cyanobacterial PS I complexes. <i>Chemical Physics</i> , 2009, 357, 163-170.	0.9	13
42	Identification of two quenching sites active in the regulation of photosynthetic light-harvesting studied by time-resolved fluorescence. <i>Chemical Physics Letters</i> , 2009, 483, 262-267.	1.2	215
43	Charge Separation, Stabilization, and Protein Relaxation in Photosystem II Core Particles with Closed Reaction Center. <i>Biophysical Journal</i> , 2009, 96, 621-631.	0.2	49
44	Spectroscopic properties of phenolic and quinoid carotenoids: a combined theoretical and experimental study. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 270-278.	1.6	18
45	Theoretical Modeling of the Optical Properties and Exciton Dynamics of the PSII Reaction Center. , 2008, , 163-166.		1
46	Far-red fluorescence: A direct spectroscopic marker for LHCII oligomer formation in non-photochemical quenching. <i>FEBS Letters</i> , 2008, 582, 3625-3631.	1.3	253
47	Femtosecond Kinetics of Photoconversion of the Higher Plant Photoreceptor Phytochrome Carrying Native and Modified Chromophores. <i>Biophysical Journal</i> , 2008, 94, 4370-4382.	0.2	67
48	Trap-Limited Charge Separation Kinetics in Higher Plant Photosystem I Complexes. <i>Biophysical Journal</i> , 2008, 94, 3601-3612.	0.2	88
49	Structural Assessment of the Bacteriochlorophyll d Stacking in Chlorosomes from a <i>C. tepidum</i> Mutant with MAS NMR Spectroscopy. , 2008, , 247-251.		0
50	The role of TyrD in the electron transfer kinetics in Photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1510-1517.	0.5	13
51	Self-Assembled Zinc Chlorin Rod Antennae Powered by Peripheral Light-Harvesting Chromophores. <i>Journal of the American Chemical Society</i> , 2008, 130, 5929-5939.	6.6	111
52	A photoprotection mechanism involving the D2 branch in photosystem II cores with closed reaction centers. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 1337-1343.	1.6	16
53	Theory of Excitation Energy Transfer and Optical Spectra of Photosynthetic Systems. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 421-443.	1.0	10
54	A Comparative MAS NMR Study of BChl d and BChl c Producing Mutants of <i>C. tepidum</i> . , 2008, , 257-260.		0

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55	Kinetic Description of Energy and Charge transfer Processes in PSI from <i>Arabidopsis thaliana</i> . , 2008, , 323-326.		0
56	Triplet Photoprotection by Carotenoid in Intact Photosystem II Cores. , 2008, , 137-140.		0
57	Primary Reactions " From Isolated Complexes to Intact Plants. , 2008, , 77-83.		2
58	Long-range organization of bacteriochlorophyll in chlorosomes of <i>Chlorobium tepidum</i> investigated by cryo-electron microscopy. <i>FEBS Letters</i> , 2007, 581, 5435-5439.	1.3	129
59	Importance of trimer-trimer interactions for the native state of the plant light-harvesting complex II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 847-853.	0.5	69
60	Photophysics and Photochemistry of Phytochrome. <i>Advances in Photochemistry</i> , 2007, , 229-277.	0.4	43
61	S ₂ →S ₁ Internal Conversion in β -Carotene: Strong Vibronic Coupling from Amplitude Oscillations of Transient Absorption Bands. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3758-3761.	7.2	54
62	An artificial supramolecular photosynthetic unit. <i>Chemical Physics Letters</i> , 2007, 447, 284-288.	1.2	25
63	Ultrafast Energy and Electron Transfer in Photosystem I - Direct Evidence for two-branched Electron Transfer. <i>Springer Series in Chemical Physics</i> , 2007, , 471-473.	0.2	3
64	Ultrafast Transient Absorption Studies on Photosystem I Reaction Centers from <i>Chlamydomonas reinhardtii</i> . 2: Mutations near the P700 Reaction Center Chlorophylls Provide New Insight into the Nature of the Primary Electron Donor. <i>Biophysical Journal</i> , 2006, 90, 552-565.	0.2	146
65	Kinetics and mechanism of electron transfer in intact photosystem II and in the isolated reaction center: Pheophytin is the primary electron acceptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6895-6900.	3.3	305
66	Efficient Energy Transfer from Peripheral Chromophores to the Self-Assembled Zinc Chlorin Rod Antenna: A Bioinspired Light-Harvesting System to Bridge the "Green Gap" <i>Journal of the American Chemical Society</i> , 2006, 128, 6542-6543.	6.6	132
67	Comparative Study of the Energy Transfer Kinetics in Artificial BChl e Aggregates Containing a BChl a Acceptor and BChl e-Containing Chlorosomes of <i>Chlorobium phaeobacteroides</i> . <i>Journal of Physical Chemistry B</i> , 2006, 110, 1388-1393.	1.2	13
68	A Heck-Type Coupling for the Synthesis of Novel Bridged Metallochlorin- Fullerene C ₆₀ Dyads. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 414-422.	1.2	17
69	Structural Role of (Bacterio)chlorophyll Ligated in the Energetically Unfavorable β -Position. <i>Journal of Biological Chemistry</i> , 2006, 281, 10626-10634.	1.6	21
70	Ultrafast energy and electron transfer in Photosystem I Direct evidence for two-branched electron transfer. , 2006, , .		1
71	Charge Recombination Fluorescence in Photosystem I Reaction Centers from <i>Chlamydomonas reinhardtii</i> . <i>Journal of Physical Chemistry B</i> , 2005, 109, 5903-5911.	1.2	66
72	Primary Electron Transfer. , 2005, , 139-175.		66

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73	MAS NMR Structures of Aggregated Cadmium Chlorins Reveal Molecular Control of Self-Assembly of Chlorosomal Bacteriochlorophylls. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16556-16566.	1.2	28
74	Design, Synthesis, and Photophysical Studies of a Porphyrin-Fullerene Dyad with Parachute Topology; Charge Recombination in the Marcus Inverted Region. <i>Journal of the American Chemical Society</i> , 2004, 126, 7257-7270.	6.6	187
75	LIGHT ABSORPTION AND HARVESTING. <i>Series on Photoconversion of Solar Energy</i> , 2004, , 43-115.	0.2	8
76	MAS NMR Structure of a Microcrystalline Cd-Bacteriochlorophyll Analogue. <i>Journal of the American Chemical Society</i> , 2003, 125, 13374-13375.	6.6	34
77	Ultrafast Transient Absorption Studies on Photosystem I Reaction Centers from <i>Chlamydomonas reinhardtii</i> . 1. A New Interpretation of the Energy Trapping and Early Electron Transfer Steps in Photosystem I. <i>Biophysical Journal</i> , 2003, 85, 3899-3922.	0.2	180
78	Exciton Theory for Supramolecular Chlorosomal Aggregates: 1. Aggregate Size Dependence of the Linear Spectra. <i>Biophysical Journal</i> , 2003, 85, 3173-3186.	0.2	130
79	Chlorophyll b to Chlorophyll a Energy Transfer Kinetics in the CP29 Antenna Complex: A Comparative Femtosecond Absorption Study between Native and Reconstituted Proteins. <i>Biophysical Journal</i> , 2003, 84, 2508-2516.	0.2	44
80	Energy Transfer Pathways in the Minor Antenna Complex CP29 of Photosystem II: A Femtosecond Study of Carotenoid to Chlorophyll Transfer on Mutant and WT Complexes. <i>Biophysical Journal</i> , 2003, 84, 2517-2532.	0.2	54
81	Structural changes upon excitation of D1-D2-Cyt b559 photosystem II reaction centers depend on the β -carotene content. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 722-729.	1.6	14
82	Self-assembly of [Et,Et]-Bacteriochlorophyll cF on Highly Oriented Pyrolytic Graphite Revealed by Scanning Tunneling Microscopy. <i>Photochemistry and Photobiology</i> , 2002, 75, 619.	1.3	14
83	Growing-In of Optical Coherence in the FMO Antenna Complexes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 9923-9933.	1.2	30
84	Energy Transfer in Supramolecular Artificial Antennae Units of Synthetic Zinc Chlorins and Co-aggregated Energy Traps. A Time-Resolved Fluorescence Study. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5761-5768.	1.2	83
85	Relevance of the diastereotopic ligation of magnesium atoms of chlorophylls in Photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1556, 197-207.	0.5	64
86	Excitation energy transfer in chlorosomes of <i>Chlorobium phaeobacteroides</i> strain CL1401: the role of carotenoids. <i>Photosynthesis Research</i> , 2002, 71, 5-18.	1.6	35
87	Aggregation of synthetic metallochlorins in hexane. A model of chlorosomal bacteriochlorophyll self-assemblies in green bacteria. <i>Photosynthesis Research</i> , 2002, 71, 59-67.	1.6	51
88	ENERGY TRANSFER FROM SUPRAMOLECULAR ASSEMBLIES OF SYNTHETIC ZINC CHLORINS TO ATTACHED ENERGY TRAPS. , 2002, , .		1
89	A Refined Model of the Chlorosomal Antennae of the Green Bacterium <i>Chlorobium tepidum</i> from Proton Chemical Shift Constraints Obtained with High-Field 2-D and 3-D MAS NMR Dipolar Correlation Spectroscopy. <i>Biochemistry</i> , 2001, 40, 1587-1595.	1.2	147
90	Carotenoid-to-Chlorophyll Energy Transfer in Recombinant Major Light-Harvesting Complex (LHCII) of Higher Plants. I. Femtosecond Transient Absorption Measurements. <i>Biophysical Journal</i> , 2001, 80, 901-915.	0.2	207

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91	Long-lived charge-separated states in bacterial reaction centers isolated from <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2001, 1504, 311-318.	0.5	33
92	Electron-transfer dyads suitable for novel self-assembled light-harvesting antenna/electron-transfer devices. <i>Pure and Applied Chemistry</i> , 2001, 73, 469-474.	0.9	27
93	Time-resolved fluorescence analysis of the recombinant photosystem II antenna complex CP29. <i>FEBS Journal</i> , 2001, 268, 260-267.	0.2	66
94	Variability of the photosynthetic antenna of a <i>Pelodictyon clathratiforme</i> population from a freshwater holomictic pond. <i>FEMS Microbiology Ecology</i> , 2001, 37, 11-19.	1.3	7
95	Structure-function self-organization in nonequilibrium macromolecular systems. <i>Chemical Physics</i> , 2000, 256, 45-60.	0.9	32
96	The Soret absorption properties of carotenoids and chlorophylls in antenna complexes of higher plants. <i>Photosynthesis Research</i> , 2000, 64, 221-231.	1.6	88
97	Autocatalyzed Self-Aggregation of (3R)-[Et,Et]Bacteriochlorophyll cF Molecules in Nonpolar Solvents. Analysis of the Kinetics. <i>Journal of Physical Chemistry B</i> , 2000, 104, 1362-1372.	1.2	89
98	Self-Regulation Phenomena in Bacterial Reaction Centers. I. General Theory. <i>Biophysical Journal</i> , 2000, 79, 1237-1252.	0.2	40
99	Energy Transfer among CP29 Chlorophylls: Calculated Förster Rates and Experimental Transient Absorption at Room Temperature. <i>Biophysical Journal</i> , 2000, 79, 1706-1717.	0.2	55
100	Exciton Dynamics in the Chlorosomal Antennae of the Green Bacteria <i>Chloroflexus aurantiacus</i> and <i>Chlorobium tepidum</i> . <i>Biophysical Journal</i> , 2000, 79, 2105-2120.	0.2	163
101	Fast energy transfer between BChl d and BChl c in chlorosomes of the green sulfur bacterium <i>Chlorobium limicola</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1457, 71-80.	0.5	24
102	Primary Processes and Structure of the Photosystem II Reaction Center: A Photon Echo Study. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11563-11578.	1.2	179
103	Fluorescence Decay and Spectral Evolution in Intact Photosystem I of Higher Plants. <i>Biochemistry</i> , 2000, 39, 6341-6348.	1.2	113
104	Diastereoselective Control of Bacteriochlorophyll Aggregation. 31-S-BChls Essential for the Formation of Chlorosome-Like Aggregates. <i>Journal of Physical Chemistry B</i> , 2000, 104, 10379-10386.	1.2	93
105	Physiological Significance of Overproduced Carotenoids in Transformants of the Cyanobacterium <i>Synechococcus PCC7942</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1999, 54, 191-198.	0.6	0
106	Effects of excited state mixing on transient absorption spectra in dimers: Application to photosynthetic light-harvesting complex II. <i>Journal of Chemical Physics</i> , 1999, 111, 3121-3132.	1.2	11
107	Self-regulation phenomenon of electron-conformational transitions in biological electron transfer under nonequilibrium conditions. <i>Physical Review E</i> , 1999, 59, 3444-3452.	0.8	14
108	Artificial Light-Harvesting Antennae: Singlet Excitation Energy Transfer from Zinc Chlorin Aggregate to Bacteriochlorin in Homogeneous Hexane Solution. <i>Photochemistry and Photobiology</i> , 1999, 69, 448-456.	1.3	80

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109	Title is missing!. Photosynthesis Research, 1999, 59, 231-241.	1.6	17
110	Self-Assembly of Synthetic Zinc Chlorins in Aqueous Microheterogeneous Media to an Artificial Supramolecular Light-Harvesting Device. Helvetica Chimica Acta, 1999, 82, 797-810.	1.0	79
111	Characterization of the Fast and Slow Reversible Components of Non-Photochemical Quenching in Isolated Pea Thylakoids by Picosecond Time-Resolved Chlorophyll Fluorescence Analysis. Biochemistry, 1999, 38, 12718-12726.	1.2	59
112	The photosystem I trimer of cyanobacteria: molecular organization, excitation dynamics and physiological significance. FEBS Letters, 1999, 460, 395-400.	1.3	116
113	Photodynamics of a Constrained Parachute-Shaped Fullerene-Porphyrin Dyad. Journal of the American Chemical Society, 1999, 121, 11599-11600.	6.6	124
114	Effect of Alkaline Treatment on Bacteriochlorophyll <i>a</i> , Quinones and Energy Transfer in Chlorosomes from <i>Chlorobium tepidum</i> and <i>Chlorobium phaeobacteroides</i> . Photochemistry and Photobiology, 1999, 69, 322-328.	1.3	2
115	Effect of Alkaline Treatment on Bacteriochlorophyll <i>a</i> , Quinones and Energy Transfer in Chlorosomes from <i>Chlorobium tepidum</i> and <i>Chlorobium phaeobacteroides</i> . Photochemistry and Photobiology, 1999, 69, 322.	1.3	25
116	Artificial Light-Harvesting Antennae: Singlet Excitation Energy Transfer from Zinc Chlorin Aggregate to Bacteriochlorin in Homogeneous Hexane Solution. Photochemistry and Photobiology, 1999, 69, 448.	1.3	4
117	Organization and Function of Photosystem I Trimers and Monomers of the Cyanobacterium <i>Spirulina Platensis</i> . , 1999, , 27-34.		0
118	Effects of mutual influence of photoinduced electron transitions and slow structural rearrangements in bacterial photosynthetic reaction centers. Journal of Biological Physics, 1998, 24, 1-17.	0.7	25
119	Multidimensional CP-MAS ¹³ C NMR of uniformly enriched chlorophyll. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 1167-1176.	2.0	46
120	Structure-Function Relationships And Excitation Dynamics In Photosystem I. , 1998, , 497-502.		7
121	Origin of the Extreme Longwave Chlorophyll Form of the Photosystem I Trimeric Complex of <i>Spirulina</i> . , 1998, , 583-586.		2
122	Fluorescence Kinetics of Photosystem I: Multiple Fluorescence Components. , 1998, , 587-590.		10
123	Structure and Function of Chlorosomes of <i>Chlorobium limicola</i> UdG 6040 Containing Both Bchl <i>c</i> and Bchl <i>d</i> . , 1998, , 101-104.		1
124	Photosystem I Red Spectral Forms: Diffusion Limited Energy Transfer, Optical Reorganisation Energy and Absorption Cross Section.. , 1998, , 271-276.		3
125	Primary Charge Separation at Low Temperatures in D1-D2 Reaction Centers Studied by Photon Echo and Pump-Probe Spectroscopy. , 1998, , 1033-1036.		1
126	Zeaxanthin-induced fluorescence quenching in the minor antenna CP29. , 1998, , 333-336.		2

#	ARTICLE	IF	CITATIONS
127	Picosecond Time Resolved Analysis of the Fast and Slow Reversible Non-Photochemical Chlorophyll Fluorescence Quenching. , 1998, , 2273-2276.		0
128	Fluorescence Kinetics of Whole Plants of Arabidopsis Thaliana. , 1998, , 2147-2150.		0
129	Functional and Spectral Assignment of Chlorophylls in the Light Harvesting Complex II of Higher Plants. , 1998, , 285-288.		1
130	Nonlinear Dynamic Processes in an Ensemble of Photosynthetic Reaction Centers. Theory and Experiment. Journal of Physical Chemistry B, 1997, 101, 7612-7619.	1.2	19
131	Nonlinear Light-Induced Properties of Photosynthetic Reaction Centers under Low Intensity Irradiation. Journal of Physical Chemistry B, 1997, 101, 259-265.	1.2	27
132	Self-Assembly of Methyl Zinc (31R)- and (31S)-Bacteriopheophorbides. Journal of Physical Chemistry B, 1997, 101, 3424-3431.	1.2	69
133	Ultrafast Spectroscopy of Trimeric Light-Harvesting Complex II from Higher Plants. Journal of Physical Chemistry B, 1997, 101, 1902-1909.	1.2	124
134	A Model for Dynamic Protein Control of Energy Transfer to Photosynthetic Reaction Centers. Journal of Physical Chemistry B, 1997, 101, 7271-7274.	1.2	5
135	Femtosecond Transient Absorption Study of Carotenoid to Chlorophyll Energy Transfer in the Light-Harvesting Complex II of Photosystem II. Biochemistry, 1997, 36, 281-287.	1.2	132
136	Model for the Excitation Dynamics in the Light-Harvesting Complex II from Higher Plants. Journal of Physical Chemistry B, 1997, 101, 7313-7320.	1.2	54
137	Primary Processes and Structure of the Photosystem II Reaction Center. 5. Modeling of the Fluorescence Kinetics of the D1~D2~cyt-b559 Complex at 77 K. Journal of Physical Chemistry B, 1997, 101, 2933-2944.	1.2	49
138	Fluorescence Spectroscopy of the Longwave Chlorophylls in Trimeric and Monomeric Photosystem I Core Complexes from the Cyanobacterium Spirulina platensis. Biochemistry, 1997, 36, 13830-13837.	1.2	85
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