

# Rienk van Grondelle

## List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Dual Singlet Excited-State Quenching Mechanisms in an Artificial Caroteno-Phthalocyanine Light Harvesting Antenna. <i>ACS Physical Chemistry Au</i> , 2022, 2, 59-67.	1.9	3
2	A kaleidoscope of photosynthetic antenna proteins and their emerging roles. <i>Plant Physiology</i> , 2022, 189, 1204-1219.	2.3	14
3	Vibronic Exciton-Phonon States in Stack-Engineered van der Waals Heterojunction Photodiodes. <i>Nano Letters</i> , 2022, 22, 5751-5758.	4.5	6
4	Absence of far-red emission band in aggregated core antenna complexes. <i>Biophysical Journal</i> , 2021, 120, 1680-1691.	0.2	1
5	Dynamic Stark Effect in Two-Dimensional Spectroscopy Revealing Modulation of Ultrafast Charge Separation in Bacterial Reaction Centers by an Inherent Electric Field. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5526-5533.	2.1	3
6	Dynamics of diverse coherences in primary charge separation of bacterial reaction center at 77ÅK revealed by wavelet analysis. <i>Photosynthesis Research</i> , 2021, , 1.	1.6	1
7	Stark fluorescence spectroscopy on peridinin-chlorophyll-protein complex of dinoflagellate, <i>Amphidinium carterae</i> . <i>Photosynthesis Research</i> , 2020, 143, 233-239.	1.6	4
8	Unraveling the Excited-State Dynamics and Light-Harvesting Functions of Xanthophylls in Light-Harvesting Complex II Using Femtosecond Stimulated Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 17346-17355.	6.6	22
9	Complete mapping of energy transfer pathways in the plant light-harvesting complex Lhca4. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25720-25729.	1.3	4
10	Charge transfer states in phycobilisomes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148187.	0.5	11
11	Quieting a noisy antenna reproduces photosynthetic light-harvesting spectra. <i>Science</i> , 2020, 368, 1490-1495.	6.0	29
12	Both electronic and vibrational coherences are involved in primary electron transfer in bacterial reaction center. <i>Nature Communications</i> , 2019, 10, 933.	5.8	42
13	Phycocyanin: One Complex, Two States, Two Functions. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1365-1371.	2.1	25
14	Switching an Individual Phycobilisome Off and On. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2426-2432.	2.1	16
15	Spectrally decomposed dark-to-light transitions in <i>Synechocystis</i> sp. PCC 6803. <i>Photosynthesis Research</i> , 2018, 137, 307-320.	1.6	3
16	Robust light harvesting by a noisy antenna. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4360-4372.	1.3	13
17	Apoprotein heterogeneity increases spectral disorder and a step-wise modification of the B850 fluorescence peak position. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 137-144.	0.5	2
18	Uphill energy transfer in photosystem I from <i>Chlamydomonas reinhardtii</i> . Time-resolved fluorescence measurements at 77ÅK. <i>Photosynthesis Research</i> , 2018, 137, 321-335.	1.6	12

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19	Vibronic Coherence in the Charge Separation Process of the <i>Rhodobacter sphaeroides</i> Reaction Center. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1827-1832.	2.1	32
20	Photoinduced processes in nucleic acids and proteins: concluding remarks. <i>Faraday Discussions</i> , 2018, 207, 513-521.	1.6	0
21	From isolated light-harvesting complexes to the thylakoid membrane: a single-molecule perspective. <i>Nanophotonics</i> , 2018, 7, 81-92.	2.9	12
22	The future of quantum biology. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180640.	1.5	136
23	Oxygenic Photoreactivity in Photosystem II Studied by Rotating Ring Disk Electrochemistry. <i>Journal of the American Chemical Society</i> , 2018, 140, 17923-17931.	6.6	18
24	Dynamics of the mixed exciton and charge-transfer states in light-harvesting complex Lhca4: Hierarchical equation approach. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 655-665.	0.5	10
25	Energy transfer and trapping in <i>Synechococcus</i> WH 7803. <i>Photosynthesis Research</i> , 2018, 135, 115-124.	1.6	11
26	Exciton-vibrational resonance and dynamics of charge separation in the photosystem II reaction center. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5195-5208.	1.3	52
27	Achieving Exciton Delocalization in Quantum Dot Aggregates Using Organic Linker Molecules. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1014-1018.	2.1	19
28	Excitonic and Vibrational Coherence in the Excitation Relaxation Process of Two LH1 Complexes as Revealed by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2751-2756.	2.1	14
29	Metal Cations Induced $\hat{\Gamma}^2$ Chl <i>a</i> Heterogeneity in LH1 as Revealed by Temperature-Dependent Fluorescence Splitting. <i>ChemPhysChem</i> , 2017, 18, 2295-2301.	1.0	4
30	Modeling of excitation dynamics in photosynthetic light-harvesting complexes: exact versus perturbative approaches. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 124003.	0.6	21
31	Using coherence to enhance function in chemical and biophysical systems. <i>Nature</i> , 2017, 543, 647-656.	13.7	477
32	Quantum design of photosynthesis for bio-inspired solar-energy conversion. <i>Nature</i> , 2017, 543, 355-365.	13.7	319
33	Direct Observation of Energy Detrapping in LH1-RC Complex by Two-Dimensional Electronic Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 591-594.	6.6	20
34	The effectiveness of styrene-maleic acid (SMA) copolymers for solubilisation of integral membrane proteins from SMA-accessible and SMA-resistant membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2133-2143.	1.4	68
35	Polarization-controlled optimal scatter suppression in transient absorption spectroscopy. <i>Scientific Reports</i> , 2017, 7, 43484.	1.6	10
36	Evidence for coherent mixing of excited and charge-transfer states in the major plant light-harvesting antenna, LHCII. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22877-22886.	1.3	24

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37	On the performance of a photosystem II reaction centre-based photocell. <i>Chemical Science</i> , 2017, 8, 6871-6880.	3.7	8
38	Photoprotection through ultrafast charge recombination in photochemical reaction centres under oxidizing conditions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160378.	1.8	4
39	Quantum "coherent dynamics in photosynthetic charge separation revealed by wavelet analysis. <i>Scientific Reports</i> , 2017, 7, 2890.	1.6	19
40	Limits on Natural Photosynthesis. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7229-7234.	1.2	12
41	Comparison of excitation energy transfer in cyanobacterial photosystem I in solution and immobilized on conducting glass. <i>Photosynthesis Research</i> , 2017, 132, 111-126.	1.6	13
42	Light Absorption and Energy Transfer in the Antenna Complexes of Photosynthetic Organisms. <i>Chemical Reviews</i> , 2017, 117, 249-293.	23.0	802
43	Excitation dynamics and structural implication of the stress-related complex LHCSR3 from the green alga <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1514-1523.	0.5	30
44	Plasmon-Enhanced Photocurrent of Photosynthetic Pigment Proteins on Nanoporous Silver. <i>Advanced Functional Materials</i> , 2016, 26, 285-292.	7.8	95
45	Bioelectronics: Plasmon-Enhanced Photocurrent of Photosynthetic Pigment Proteins on Nanoporous Silver ( <i>Adv. Funct. Mater.</i> 2/2016). <i>Advanced Functional Materials</i> , 2016, 26, 284-284.	7.8	1
46	Dynamic quenching in single photosystem II supercomplexes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25852-25860.	1.3	12
47	Identification and characterization of multiple emissive species in aggregated minor antenna complexes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1917-1924.	0.5	13
48	Competing charge transfer pathways at the photosystem II "electrode interface. <i>Nature Chemical Biology</i> , 2016, 12, 1046-1052.	3.9	53
49	Controlling Light Harvesting with Light. <i>Journal of the American Chemical Society</i> , 2016, 138, 11616-11622.	6.6	50
50	Single Molecule Spectroscopy of Monomeric LHClI: Experiment and Theory. <i>Scientific Reports</i> , 2016, 6, 26230.	1.6	13
51	Dark States in the Light-Harvesting complex 2 Revealed by Two-dimensional Electronic Spectroscopy. <i>Scientific Reports</i> , 2016, 6, 20834.	1.6	69
52	Mixing of exciton and charge-transfer states in light-harvesting complex Lhca4. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19368-19377.	1.3	36
53	Light-harvesting Complexes (LHCs) Cluster Spontaneously in Membrane Environment Leading to Shortening of Their Excited State Lifetimes. <i>Journal of Biological Chemistry</i> , 2016, 291, 16730-16739.	1.6	78
54	The Role of Resonant Vibrations in Electronic Energy Transfer. <i>ChemPhysChem</i> , 2016, 17, 1356-1368.	1.0	56

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55	Ultrafast energy relaxation in single light-harvesting complexes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2934-2939.	3.3	35
56	Temperature dependent LH1 $\hat{\alpha}$ ' RC energy transfer in purple bacteria Tch. tepidum with shiftable LH1-Q y band: A natural system to investigate thermally activated energy transfer in photosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 408-414.	0.5	22
57	The Role of Exciton Delocalization in the Major Photosynthetic Light-Harvesting Antenna of Plants. Biophysical Journal, 2015, 108, 1047-1056.	0.2	26
58	Conformational Switching in a Light-Harvesting Protein as Followed by Single-Molecule Spectroscopy. Biophysical Journal, 2015, 108, 2713-2720.	0.2	20
59	Kinetic isotope effect of proton-coupled electron transfer in a hydrogen bonded phenol $\hat{\alpha}$ "pyrrolidino[60]fullerene. Photochemical and Photobiological Sciences, 2015, 14, 2147-2150.	1.6	7
60	Excitation energy transfer and charge separation are affected in Arabidopsis thaliana mutants lacking light-harvesting chlorophyll a/b binding protein Lhcb3. Journal of Photochemistry and Photobiology B: Biology, 2015, 153, 423-428.	1.7	17
61	Monte Carlo simulations of excitation and electron transfer in grana membranes. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 314-327.	0.5	3
62	Single-Molecule Identification of Quenched and Unquenched States of LHCII. Journal of Physical Chemistry Letters, 2015, 6, 860-867.	2.1	88
63	Functional Rearrangement of the Light-Harvesting Antenna upon State Transitions in a Green Alga. Biophysical Journal, 2015, 108, 261-271.	0.2	27
64	A quantum protective mechanism in photosynthesis. Scientific Reports, 2015, 5, 8720.	1.6	17
65	Singlet $\hat{\alpha}$ "triplet annihilation in single LHCII complexes. Physical Chemistry Chemical Physics, 2015, 17, 19844-19853.	1.3	33
66	Identification of common motifs in the regulation of light harvesting: The case of cyanobacteria IsiA. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 486-492.	0.5	11
67	A Hidden State in Light-Harvesting Complex II Revealed By Multipulse Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 5184-5193.	1.2	22
68	How exciton-vibrational coherences control charge separation in the photosystem II reaction center. Physical Chemistry Chemical Physics, 2015, 17, 30828-30841.	1.3	64
69	The origin of the unusual Qy red shift in LH1 $\hat{\alpha}$ "RC complexes from purple bacteria Thermochromatium tepidum as revealed by Stark absorption spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1479-1486.	0.5	31
70	Spectroscopic Analysis of a Biomimetic Model of Tyr<sub>Z</sub> Function in PSII. Journal of Physical Chemistry B, 2015, 119, 12156-12163.	1.2	10
71	Stark fluorescence spectroscopy reveals two emitting sites in the dissipative state of FCP antennas. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 193-200.	0.5	26
72	A Little Coherence in Photosynthetic Light Harvesting. BioScience, 2014, 64, 14-25.	2.2	34

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73	Disentangling the low-energy states of the major light-harvesting complex of plants and their role in photoprotection. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1027-1038.	0.5	65
74	Exploring the mechanism(s) of energy dissipation in the light harvesting complex of the photosynthetic algae <i>Cyclotella meneghiniana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1507-1513.	0.5	17
75	The birth of the photosynthetic reaction center: the story of Lou Duysens. <i>Photosynthesis Research</i> , 2014, 120, 3-7.	1.6	9
76	The role of charge-transfer states in energy transfer and dissipation within natural and artificial bacteriochlorophyll proteins. <i>Nature Communications</i> , 2014, 5, 5287.	5.8	47
77	Excitation dynamics in Photosystem I from <i>Chlamydomonas reinhardtii</i> . Comparative studies of isolated complexes and whole cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1756-1768.	0.5	16
78	Quantum coherence in photosynthesis for efficient solar-energy conversion. <i>Nature Physics</i> , 2014, 10, 676-682.	6.5	481
79	Bacterial Reaction Centers Purified with Styrene Maleic Acid Copolymer Retain Native Membrane Functional Properties and Display Enhanced Stability. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11803-11807.	7.2	125
80	Functional Compartmental Modeling of the Photosystems in the Thylakoid Membrane at 77 K. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11363-11371.	1.2	29
81	Energy Transfer and Trapping in Red-Chlorophyll-Free Photosystem I from <i>Synechococcus</i> WH 7803. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11176-11183.	1.2	26
82	Identification of two emitting sites in the dissipative state of the major light harvesting antenna. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 759-766.	1.3	80
83	New light-harvesting roles of hot and forbidden carotenoid states in artificial photosynthetic constructs. <i>Chemical Science</i> , 2012, 3, 2052.	3.7	21
84	Controlled Disorder in Plant Light-Harvesting Complex II Explains Its Photoprotective Role. <i>Biophysical Journal</i> , 2012, 102, 2669-2676.	0.2	97
85	Excitation-induced polarization decay in the plant light-harvesting complex LHCII. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 234, 91-99.	2.0	8
86	Intra- and inter-monomeric transfers in the light harvesting LHCII complex: the Redfield-Förster picture. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17093.	1.3	140
87	Photoprotection in Plants Involves a Change in Lutein 1 Binding Domain in the Major Light-harvesting Complex of Photosystem II. <i>Journal of Biological Chemistry</i> , 2011, 286, 27247-27254.	1.6	62
88	Quantum effects in photosynthesis. <i>Procedia Chemistry</i> , 2011, 3, 198-210.	0.7	14
89	Lessons from nature about solar light harvesting. <i>Nature Chemistry</i> , 2011, 3, 763-774.	6.6	1,556
90	Multiple Charge Separation Pathways in Photosystem II: Modeling of Transient Absorption Kinetics. <i>ChemPhysChem</i> , 2011, 12, 681-688.	1.0	100

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91	Conformational switching explains the intrinsic multifunctionality of plant light-harvesting complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13516-13521.	3.3	101
92	Effect of the P700 pre-oxidation and point mutations near A0 on the reversibility of the primary charge separation in Photosystem I from <i>Chlamydomonas reinhardtii</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 106-112.	0.5	51
93	Quantum design for a light trap. <i>Nature</i> , 2010, 463, 614-615.	13.7	40
94	Fluorescence Spectral Dynamics of Single LHCII Trimers. <i>Biophysical Journal</i> , 2010, 98, 3093-3101.	0.2	146
95	Physical origins and models of energy transfer in photosynthetic light-harvesting. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7352.	1.3	186
96	Two Different Charge Separation Pathways in Photosystem II. <i>Biochemistry</i> , 2010, 49, 4300-4307.	1.2	132
97	Pathways of Energy Flow in LHCII from Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15352-15363.	1.2	175
98	The Origin of the Low-Energy Form of Photosystem I Light-Harvesting Complex Lhca4: Mixing of the Lowest Exciton with a Charge-Transfer State. <i>Biophysical Journal</i> , 2009, 96, L35-L37.	0.2	74
99	Identification of a mechanism of photoprotective energy dissipation in higher plants. <i>Nature</i> , 2007, 450, 575-578.	13.7	808
100	Energy transfer in photosynthesis: experimental insights and quantitative models. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 793-807.	1.3	418
101	The Long Wavelength Chlorophylls of Photosystem I. , 2006, , 177-192.		38
102	Initial electron donor and acceptor in isolated Photosystem II reaction centers identified with femtosecond mid-IR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13087-13092.	3.3	195
103	Characterization of Low-Energy Chlorophylls in the PSI-LHCI Supercomplex from <i>Chlamydomonas reinhardtii</i> . A Site-Selective Fluorescence Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21180-21186.	1.2	26
104	Pathways and Timescales of Primary Charge Separation in the Photosystem II Reaction Center as Revealed by a Simultaneous Fit of Time-Resolved Fluorescence and Transient Absorption. <i>Biophysical Journal</i> , 2005, 89, 1464-1481.	0.2	99
105	Kinetics of excitation trapping in intact Photosystem I of <i>Chlamydomonas reinhardtii</i> and <i>Arabidopsis thaliana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1706, 267-275.	0.5	82
106	Excitation Dynamics in the LHCII Complex of Higher Plants: Modeling Based on the 2.72 Å... Crystal Structure. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10493-10504.	1.2	272
107	Global and target analysis of fluorescence measurements on photosystem 2 reaction centers upon red excitation. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4820.	1.3	14
108	On the role of the CP47 core antenna in the energy transfer and trapping dynamics of Photosystem II. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4810.	1.3	51

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109	Ultrafast transient-absorption and steady-state fluorescence measurements on 2-aminopurine substituted dinucleotides and 2-aminopurine substituted DNA duplexes. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 154.	1.3	45
110	Coherent Nuclear and Electronic Dynamics in Primary Charge Separation in Photosynthetic Reaction Centers: A Redfield Theory Approach. <i>Journal of Physical Chemistry B</i> , 2004, 108, 7445-7457.	1.2	118
111	Energy-Transfer Dynamics in the LHCII Complex of Higher Plants: A Modified Redfield Approach. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10363-10375.	1.2	172
112	Exciton dynamics in ring-like photosynthetic light-harvesting complexes: a hopping model. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3097.	1.3	20
113	Linear-Dichroism Measurements on the LH2 Antenna Complex of <i>Rhodospseudomonas Acidophila</i> Strain 10050 Show that the Transition Dipole Moment of the Carotenoid Rhodopin Glucoside Is Not Collinear with the Long Molecular Axis. <i>Journal of Physical Chemistry B</i> , 2003, 107, 655-658.	1.2	25
114	Selective Interaction between Xanthophylls and Chlorophylls in LHCII Probed by Femtosecond Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3938-3943.	1.2	27
115	Identifying the Lowest Electronic States of the Chlorophylls in the CP47 Core Antenna Protein of Photosystem II. <i>Biochemistry</i> , 2002, 41, 15224-15233.	1.2	62
116	Electric field effects on red chlorophylls, $\beta$ -carotenes and P700 in cyanobacterial Photosystem I complexes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1554, 180-191.	0.5	52
117	Understanding the Energy Transfer Function of LHCII, the Major Light-Harvesting Complex of Green Plants. <i>Journal of Physical Chemistry B</i> , 2001, 105, 604-617.	1.2	344
118	Light Harvesting by Chlorophylls and Carotenoids in the Photosystem I Core Complex of <i>Synechococcus elongatus</i> : A Fluorescence Upconversion Study. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4485-4494.	1.2	102
119	An examination of how structural changes can affect the rate of electron transfer in a mutated bacterial photoreaction centre. <i>Biochemical Journal</i> , 2000, 351, 567-578.	1.7	26
120	Primary charge separation in Photosystem II. , 2000, 63, 195-208.		194
121	The environment as a human right. <i>International Journal of Human Rights</i> , 2000, 4, 74-93.	0.8	0
122	Electronic and Vibrational Coherence in the Core Light-Harvesting Antenna of <i>Rhodospseudomonas viridis</i> . <i>Journal of Physical Chemistry B</i> , 2000, 104, 12056-12071.	1.2	31
123	Evidence for Two Spectroscopically Different Dimers of Light-Harvesting Complex I from Green Plants. <i>Biochemistry</i> , 2000, 39, 8625-8631.	1.2	65
124	Electron-Vibrational Coupling in the Fenna-Matthews-Olson Complex of <i>Prosthecochloris aestuarii</i> Determined by Temperature-Dependent Absorption and Fluorescence Line-Narrowing Measurements. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5825-5831.	1.2	167
125	Energy Transfer in the B800 Rings of the Peripheral Bacterial Light-Harvesting Complexes of <i>Rhodospseudomonas Acidophila</i> and <i>Rhodospirillum Rubrum</i> Studied with Photon Echo Techniques. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11395-11408.	1.2	57
126	Structure and Interactions of the Chlorophyll Molecules in the Higher Plant Lhcb4 Antenna Protein. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9317-9321.	1.2	22



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127	Peridinin Chlorophyll a Protein: Relating Structure and Steady-State Spectroscopy. <i>Biochemistry</i> , 2000, 39, 5184-5195.	1.2	130
128	Generation of Fluorescence Quenchers from the Triplet States of Chlorophylls in the Major Light-Harvesting Complex II from Green Plants. <i>Biochemistry</i> , 2000, 39, 10468-10477.	1.2	37
129	Contributory presentations/posters. <i>Journal of Biosciences</i> , 1999, 24, 33-198.	0.5	0
130	Spectroscopic characterization of the spinach Lhcb4 protein (CP29), a minor light-harvesting complex of photosystem II. <i>FEBS Journal</i> , 1999, 262, 817-823.	0.2	51
131	New and unexpected routes for ultrafast electron transfer in photosynthetic reaction centers. <i>FEBS Letters</i> , 1999, 455, 1-7.	1.3	68
132	Photosynthetic Light-Harvesting: Reconciling Dynamics and Structure of Purple Bacterial LH2 Reveals Function of Photosynthetic Unit. <i>Journal of Physical Chemistry B</i> , 1999, 103, 2327-2346.	1.2	768
133	Spectroscopic Properties of the CP43 Core Antenna Protein of Photosystem II. <i>Biophysical Journal</i> , 1999, 77, 3328-3340.	0.2	119
134	Primary Charge Separation Routes in the BChl:BPhe Heterodimer Reaction Centers of <i>Rhodobacter sphaeroides</i> . <i>Biochemistry</i> , 1999, 38, 7545-7555.	1.2	41
135	Title is missing!. <i>Photosynthesis Research</i> , 1998, 55, 141-146.	1.6	11
136	Modification of the binding pocket for the QA ubiquinone in the reaction centre from <i>Rhodobacter sphaeroides</i> . <i>Biochemical Society Transactions</i> , 1998, 26, S209-S209.	1.6	0
137	Xanthophylls in Light-Harvesting Complex II of Higher Plants: Light Harvesting and Triplet Quenching. <i>Biochemistry</i> , 1997, 36, 12208-12215.	1.2	128
138	Characterization of the Light-Harvesting Antennas of Photosynthetic Purple Bacteria by Stark Spectroscopy. 1. LH1 Antenna Complex and the B820 Subunit from <i>Rhodospirillum rubrum</i> . <i>Journal of Physical Chemistry B</i> , 1997, 101, 7284-7292.	1.2	75
139	Energy Transfer in LHClI Monomers at 77K Studied by Sub-Picosecond Transient Absorption Spectroscopy. <i>Biochemistry</i> , 1997, 36, 15262-15268.	1.2	88
140	Radical Pair Quantum Yield in Reaction Centers of Photosystem II of Green Plants and of the Bacterium <i>Rhodobacter sphaeroides</i> . Saturation Behavior with Sub-picosecond Pulses. <i>Journal of Physical Chemistry B</i> , 1997, 101, 7869-7873.	1.2	12
141	Electron-Phonon Coupling and Vibronic Fine Structure of Light-Harvesting Complex II of Green Plants: Temperature Dependent Absorption and High-Resolution Fluorescence Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1997, 101, 4448-4457.	1.2	118
142	A New Pathway for Transmembrane Electron Transfer in Photosynthetic Reaction Centers of <i>Rhodobacter sphaeroides</i> Not Involving the Excited Special Pair. <i>Biochemistry</i> , 1997, 36, 6855-6861.	1.2	122
143	Title is missing!. <i>Photosynthesis Research</i> , 1997, 54, 115-126.	1.6	64
144	Purification and Spectroscopic Characterization of Photosystem II Reaction Center Complexes Isolated with or without Triton X-100. <i>Biochemistry</i> , 1996, 35, 12864-12872.	1.2	37

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145	Energetics and excited state dynamics of the radical pair formation in isolated CP47-reaction center complex of photosystem II at various temperatures. AIP Conference Proceedings, 1996, , .	0.3	0
146	Photosynthetic antennae. Photosynthetic light harvesting. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1950-1957.	0.9	4
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