Richard J Cogdell

List of Publications by Year
in descending order

171 papers	9,391 citations	41344 49 h-index	42399 92 g-index
178 all docs	178 docs citations	178 times ranked	5866 citing authors

#	Article	IF	Citations
1	Quantum chemical elucidation of a sevenfold symmetric bacterial antenna complex. Photosynthesis Research, 2023, 156, 75-87.	2.9	3
2	Vibrational Modes Promoting Exciton Relaxation in the B850 Band of LH2. Journal of Physical Chemistry Letters, 2022, 13, 1099-1106.	4.6	8
3	Intraband dynamics and exciton trapping in the LH2 complex of Rhodopseudomonas acidophila. Journal of Chemical Physics, 2021, 154, 045102.	3.0	9
4	The 2.4 Ã… cryo-EM structure of a heptameric light-harvesting 2 complex reveals two carotenoid energy transfer pathways. Science Advances, 2021, 7, .	10.3	26
5	Time-Domain Line-Shape Analysis from 2D Spectroscopy to Precisely Determine Hamiltonian Parameters for a Photosynthetic Complex. Journal of Physical Chemistry B, 2021, 125, 2812-2820.	2.6	5
6	Reviewers in 2020. Journal of the Royal Society Interface, 2021, 18, .	3.4	0
7	Low-Frequency Vibronic Mixing Modulates the Excitation Energy Flow in Bacterial Light-Harvesting Complex II. Journal of Physical Chemistry Letters, 2021, 12, 6292-6298.	4.6	8
8	Photosynthesis | The Purple Photosynthetic Bacterial Light Harvesting System. , 2021, , 291-304.		1
9	A comparative look at structural variation among RCâ€"LH1 â€˜Coreâ€™ complexes present in anoxygenic phototrophic bacteria. Photosynthesis Research, 2020, 145, 83-96.	2.9	22
10	Room-Temperature Excitationâ€"Emission Spectra of Single LH2 Complexes Show Remarkably Little Variation. Journal of Physical Chemistry Letters, 2020, 11, 2430-2435.	4.6	4
11	Quantum biology revisited. Science Advances, 2020, 6, eaaz4888.	10.3	266
12	Quieting a noisy antenna reproduces photosynthetic light-harvesting spectra. Science, 2020, 368, 1490-1495.	12.6	29
13	Revisiting high-resolution crystal structure of Phormidium rubidum phycocyanin. Photosynthesis Research, 2020, 144, 349-360.	2.9	5
14	Hijacking the Hijackers: Escherichia coli Pathogenicity Islands Redirect Helper Phage Packaging for Their Own Benefit. Molecular Cell, 2019, 75, 1020-1030.e4.	9.7	45
15	Before FÃ¶rster. Initial excitation in photosynthetic light harvesting. Chemical Science, 2019, 10, 7923-7928.	7.4	38
16	Assessing density functional theory in real-time and real-space as a tool for studying bacteriochlorophylls and the light-harvesting complex 2. Journal of Chemical Physics, 2019, 151, 134114.	3.0	12
17	Carotenoid Nuclear Reorganization and Interplay of Bright and Dark Excited States. Journal of Physical Chemistry B, 2019, 123, 8628-8643.	2.6	27
18	Crystal structure of phycocyanin from heterocyst-forming filamentous cyanobacterium Nostoc sp. WR13. International Journal of Biological Macromolecules, 2019, 135, 62-68.	7.5	5

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19	Simulating Fluorescence-Detected Two-Dimensional Electronic Spectroscopy of Multichromophoric Systems. Journal of Physical Chemistry B, 2019, 123, 394-406.	2.6	26
20	Origin of the Two Bands in the B800 Ring and Their Involvement in the Energy Transfer Network of <i>Allochromatium vinosum</i>. Journal of Physical Chemistry Letters, 2018, 9, 1340-1345.	4.6	13
21	The role of charge-transfer states in the spectral tuning of antenna complexes of purple bacteria. Photosynthesis Research, 2018, 137, 215-226.	2.9	59
22	Light induced damage and repair in nucleic acids and proteins: general discussion. Faraday Discussions, 2018, 207, 389-408.	3.2	0
23	Photocrosslinking between nucleic acids and proteins: general discussion. Faraday Discussions, 2018, 207, 283-306.	3.2	5
24	Light induced charge and energy transport in nucleic acids and proteins: general discussion. Faraday Discussions, 2018, 207, 153-180.	3.2	1
25	Bionanophotonics: general discussion. Faraday Discussions, 2018, 207, 491-512.	3.2	0
26	Understanding/unravelling carotenoid excited singlet states. Journal of the Royal Society Interface, 2018, 15, 20180026.	3.4	81
27	Robust light harvesting by a noisy antenna. Physical Chemistry Chemical Physics, 2018, 20, 4360-4372.	2.8	13
28	Contribution of low-temperature single-molecule techniques to structural issues of pigmentâ€“protein complexes from photosynthetic purple bacteria. Journal of the Royal Society Interface, 2018, 15, 20170680.	3.4	4
29	Site, trigger, quenching mechanism and recovery of non-photochemical quenching in cyanobacteria: recent updates. Photosynthesis Research, 2018, 137, 171-180.	2.9	10
30	Characterisation of a pucBA deletion mutant from Rhodopseudomonas palustris lacking all but the pucBAd genes. Photosynthesis Research, 2018, 135, 9-21.	2.9	15
31	Solar fuels and inspiration from photosynthesis. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 353, 645-653.	3.9	9
32	Spectrally selective fluorescence imaging of Chlorobaculum tepidum reaction centers conjugated to chelator-modified silver nanowires. Photosynthesis Research, 2018, 135, 329-336.	2.9	4
33	An improved crystal structure of C-phycoerythrin from the marine cyanobacterium Phormidium sp. A09DM. Photosynthesis Research, 2018, 135, 65-78.	2.9	17
34	Spatially-resolved fluorescence-detected two-dimensional electronic spectroscopy probes varying excitonic structure in photosynthetic bacteria. Nature Communications, 2018, 9, 4219.	12.8	86
35	Energy transfer in purple bacterial photosynthetic units from cells grown in various light intensities. Photosynthesis Research, 2018, 137, 389-402.	2.9	8
36	Conformational Complexity in the LH2 Antenna of the Purple Sulfur Bacterium <i>Allochromatium vinosum</i> Revealed by Hole-Burning Spectroscopy. Journal of Physical Chemistry A, 2017, 121, 4435-4446.	2.5	9

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37	On Light-Induced Photoconversion of B800 Bacteriochlorophylls in the LH2 Antenna of the Purple Sulfur Bacterium <i>Allochromatium vinosum</i>. Journal of Physical Chemistry B, 2017, 121, 9999-10006.	2.6	5
38	Nature does not rely on long-lived electronic quantum coherence for photosynthetic energy transfer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8493-8498.	7.1	235
39	Renewables need a grand-challenge strategy. Nature, 2016, 538, 30-30.	27.8	27
40	Vibronic coupling in the excited-states of carotenoids. Physical Chemistry Chemical Physics, 2016, 18, 11443-11453.	2.8	19
41	Pushing the Photon Limit: Nanoantennas Increase Maximal Photon Stream and Total Photon Number. Journal of Physical Chemistry Letters, 2016, 7, 1604-1609.	4.6	20
42	Carotenoids and Photosynthesis. Sub-Cellular Biochemistry, 2016, 79, 111-139.	2.4	191
43	Photocurrent Generation by Photosynthetic Purple Bacterial Reaction Centers Interfaced with a Porous Antimony-Doped Tin Oxide (ATO) Electrode. ACS Applied Materials & Interfaces, 2016, 8, 25104-25110.	8.0	15
44	Origin of bimodal fluorescence enhancement factors of <i>Chlorobaculum tepidum</i> reaction centers on silver island films. FEBS Letters, 2016, 590, 2558-2565.	2.8	5
45	Dark States in the Light-Harvesting complex 2 Revealed by Two-dimensional Electronic Spectroscopy. Scientific Reports, 2016, 6, 20834.	3.3	69
46	An <i>Ab Initio</i> Description of the Excitonic Properties of LH2 and Their Temperature Dependence. Journal of Physical Chemistry B, 2016, 120, 11348-11359.	2.6	64
47	Structure of the bacterial plant-ferredoxin receptor FusA. Nature Communications, 2016, 7, 13308.	12.8	26
48	Fluorescence-excitation and Emission Spectroscopy on Single FMO Complexes. Scientific Reports, 2016, 6, 31875.	3.3	9
49	Introduction to the 49ersâ€™ special issue. Photosynthesis Research, 2016, 127, 1-3.	2.9	0
50	Spectral heterogeneity and carotenoid-to-bacteriochlorophyll energy transfer in LH2 light-harvesting complexes from Allochromatium vinosum. Photosynthesis Research, 2016, 127, 171-187.	2.9	5
51	DNA-directed spatial assembly of photosynthetic light-harvesting proteins. Organic and Biomolecular Chemistry, 2016, 14, 1359-1362.	2.8	7
52	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.	7.1	35
53	Silver island film substrates for ultrasensitive fluorescence detection of (bio)molecules. Photosynthesis Research, 2016, 127, 103-108.	2.9	14
54	A Highly Conserved Bacterial D-Serine Uptake System Links Host Metabolism and Virulence. PLoS Pathogens, 2016, 12, e1005359.	4.7	55

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55	Natural and artificial light-harvesting systems utilizing the functions of carotenoids. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2015, 25, 46-70.	11.6	63
56	Structure of protease-cleaved<i>Escherichia coli</i>Î±-2-macroglobulin reveals a putative mechanism of conformational activation for protease entrapment. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 1478-1486.	2.5	11
57	The host metabolite D-serine contributes to bacterial niche specificity through gene selection. ISME Journal, 2015, 9, 1039-1051.	9.8	43
58	Vibronic coupling explains the ultrafast carotenoid-to-bacteriochlorophyll energy transfer in natural and artificial light harvesters. Journal of Chemical Physics, 2015, 142, 212434.	3.0	48
59	Multi-Level, Multi Time-Scale Fluorescence Intermittency of Photosynthetic LH2 Complexes: A Precursor of Non-Photochemical Quenching?. Journal of Physical Chemistry B, 2015, 119, 13958-13963.	2.6	11
60	Conformational Memory of a Protein Revealed by Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 13964-13970.	2.6	15
61	Activated OCP unlocks nonphotochemical quenching in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12547-12548.	7.1	10
62	Structures of the Ultra-High-Affinity Proteinâ€"Protein Complexes of Pyocins S2 and AP41 and Their Cognate Immunity Proteins from Pseudomonas aeruginosa. Journal of Molecular Biology, 2015, 427, 2852-2866.	4.2	25
63	Lectin-Like Bacteriocins from Pseudomonas spp. Utilise D-Rhamnose Containing Lipopolysaccharide as a Cellular Receptor. PLoS Pathogens, 2014, 10, e1003898.	4.7	56
64	Fluorescence enhancement of photosynthetic complexes separated from nanoparticles by a reduced graphene oxide layer. Applied Physics Letters, 2014, 104, 093103.	3.3	7
65	Structures and binding specificity of galactose- and mannose-binding lectins from champedak: differences from jackfruit lectins. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 709-716.	0.8	10
66	Recombinant expression, purification, crystallization and preliminary X-ray diffraction analysis of the C-terminal DUF490963â€"1138domain of TamB fromEscherichia coli. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1272-1275.	0.8	4
67	The purple heart of photosynthesis. Nature, 2014, 508, 196-197.	27.8	12
68	Crystallization and preliminary X-ray diffraction analysis of the peripheral light-harvesting complex LH2 from<i>Marichromatium purpuratum</i>. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 808-813.	0.8	2
69	Characterisation of the LH2 spectral variants produced by the photosynthetic purple sulphur bacterium Allochromatium vinosum. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1849-1860.	1.0	31
70	Strong antenna-enhanced fluorescence of a single light-harvesting complex shows photon antibunching. Nature Communications, 2014, 5, 4236.	12.8	112
71	Single-Molecule Spectroscopy Unmasks the Lowest Exciton State of the B850 Assembly in LH2 from Rps. acidophila. Biophysical Journal, 2014, 106, 2008-2016.	0.5	18
72	Primary reactions in photosynthetic reaction centers of Rhodobacter sphaeroides â€" Time constants of the initial electron transfer. Chemical Physics Letters, 2014, 601, 103-109.	2.6	19

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73	Statistical considerations on the formation of circular photosynthetic light-harvesting complexes from Rhodopseudomonas palustris. Photosynthesis Research, 2014, 121, 49-60.	2.9	9
74	The Evolution of the Purple Photosynthetic Bacterial Light-Harvesting System. Advances in Botanical Research, 2013, 66, 205-226.	1.1	8
75	Quantum Coherent Energy Transfer over Varying Pathways in Single Light-Harvesting Complexes. Science, 2013, 340, 1448-1451.	12.6	274
76	The use and misuse of photosynthesis in the quest for novel methods to harness solar energy to make fuel. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110603.	3.4	14
77	Fluorescence-Excitation and Emission Spectra from LH2 Antenna Complexes of Rhodopseudomonas acidophila as a Function of the Sample Preparation Conditions. Journal of Physical Chemistry B, 2013, 117, 12020-12029.	2.6	16
78	Single-molecule spectroscopy reveals photosynthetic LH2 complexes switch between emissive states. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10899-10903.	7.1	78
79	Quantum coherence explored at the level of individual light-harvesting complexes. , 2013, , .		0
80	Learning from photosynthesis: how to use solar energy to make fuels. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 3819-3826.	3.4	15
81	Generation of coherently coupled vibronic oscillations in carotenoids. Physical Review B, 2012, 85, .	3.2	7
82	Exciton Self Trapping in Photosynthetic Pigmentâ€"Protein Complexes Studied by Single-Molecule Spectroscopy. Journal of Physical Chemistry B, 2012, 116, 11017-11023.	2.6	41
83	Spectroscopic studies of two spectral variants of light-harvesting complex 2 (LH2) from the photosynthetic purple sulfur bacterium Allochromatium vinosum. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1576-1587.	1.0	50
84	The light intensity under which cells are grown controls the type of peripheral light-harvesting complexes that are assembled in a purple photosynthetic bacterium. Biochemical Journal, 2011, 440, 51-61.	3.7	33
85	Selective Assembly of Photosynthetic Antenna Proteins into a Domain-Structured Lipid Bilayer for the Construction of Artificial Photosynthetic Antenna Systems: Structural Analysis of the Assembly Using Surface Plasmon Resonance and Atomic Force Microscopy. Langmuir, 2011, 27, 1092-1099.	3.5	36
86	Direct Visualization of Exciton Reequilibration in the LH1 and LH2 Complexes of Rhodobacter sphaeroides by Multipulse Spectroscopy. Biophysical Journal, 2011, 100, 2226-2233.	0.5	18
87	Crystal Structure of Reduced and of Oxidized Peroxiredoxin IV Enzyme Reveals a Stable Oxidized Decamer and a Non-disulfide-bonded Intermediate in the Catalytic Cycle. Journal of Biological Chemistry, 2011, 286, 42257-42266.	3.4	67
88	Artificial photosynthesis â€" solar fuels: current status and future prospects. Biofuels, 2010, 1, 861-876.	2.4	56
89	Comparison of transient grating signals from spheroidene in an organic solvent and in pigment-protein complexes from<i>Rhodobacter sphaeroides</i>2.4.1. Physical Review B, 2010, 81, .	3.2	21
90	Excitation-energy dependence of transient grating spectroscopy in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-carotene. Physical Review B, 2009, 80, .	3.2	22

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91	Single-Molecule Spectroscopy Reveals that Individual Low-Light LH2 Complexes from Rhodopseudomonas palustris 2.1.6. Have a Heterogeneous Polypeptide Composition. Biophysical Journal, 2009, 97, 1491-1500.	0.5	63
92	Low Light Adaptation: Energy Transfer Processes in Different Types of Light Harvesting Complexes from Rhodopseudomonas palustris. Biophysical Journal, 2009, 97, 3019-3028.	0.5	31
93	Peripheral Complexes of Purple Bacteria. Advances in Photosynthesis and Respiration, 2009, , 135-153.	1.0	37
94	Use of single-molecule spectroscopy to tackle fundamental problems in biochemistry: using studies on purple bacterial antenna complexes as an example. Biochemical Journal, 2009, 422, 193-205.	3.7	33
95	Introduction. Photosynthesis Research, 2008, 95, 117-117.	2.9	7
96	Overview of the work of the BBSRC's Membrane Protein Structure initiative. Molecular Membrane Biology, 2008, 25, 585-587.	2.0	1
97	Energy dissipation in the ground-state vibrational manifolds of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-carotene homologues: A sub-20-fs time-resolved transient grating spectroscopic study. Physical Review B, 2008, 77, .	3.2	31
98	Unified explanation for linear and nonlinear optical responses inÎ²-carotene: A sub-20â^'fsdegenerate four-wave mixing spectroscopic study. Physical Review B, 2007, 75, .	3.2	57
99	Refinement of the x-ray structure of the RC LH1 core complex from Rhodopseudomonas palustris by single-molecule spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20280-20284.	7.1	42
100	Self-Assembled Monolayer of Light-Harvesting Core Complexes from Photosynthetic Bacteria on a Gold Electrode Modified with Alkanethiols. Biomacromolecules, 2007, 8, 2457-2463.	5.4	70
101	Single-Molecule Spectroscopic Characterization of Light-Harvesting 2 Complexes Reconstituted into Model Membranes. Biophysical Journal, 2007, 93, 183-191.	0.5	37
102	Photophysical Characterization of Natural cis-CarotenoidsÂ¶. Photochemistry and Photobiology, 2007, 74, 549-557.	2.5	0
103	The architecture and function of the light-harvesting apparatus of purple bacteria: from single molecules to in vivo membranes. Quarterly Reviews of Biophysics, 2006, 39, 227-324.	5.7	610
104	Carotenoid-Bacteriochlorophyll Energy Transfer in LH2 Complexes Studied with 10-fs Time Resolution. Biophysical Journal, 2006, 90, 2486-2497.	0.5	46
105	The structural basis of non-photochemical quenching is revealed?. Trends in Plant Science, 2006, 11, 59-60.	8.8	24
106	Structures and functions of carotenoids bound to reaction centers from purple photosynthetic bacteria. Pure and Applied Chemistry, 2006, 78, 1505-1518.	1.9	8
107	Two-dimensional electronic spectroscopy of the B800-B820 light-harvesting complex. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12672-12677.	7.1	197
108	Electroabsorption spectroscopy ofÎ²-carotene homologs: Anomalous enhancement ofÎ"Î¼. Physical Review B, 2005, 71, .	3.2	25

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109	Effect of inhomogeneous band broadening on the nonlinear optical properties of hydrazones. Physical Review B, 2004, 69, .	3.2	6
110	Multichannel Flash Spectroscopy of the Reaction Centers of Wildâ€type and Mutant <i>Rhodobacter sphaeroides</i>: Bacteriochlorophyll_{<i>B</i>}â€mediated Interaction Between the Carotenoid Triplet and the Special Pair^{Â¶}^{â€}. Photochemistry and Photobiology, 2004, 79, 68-75.	2.5	4
111	Purple Bacterial Light-harvesting Complexes: From Dreams to Structures. Photosynthesis Research, 2004, 80, 173-179.	2.9	9
112	Rings, Ellipses and Horseshoes: How Purple Bacteria Harvest Solar Energy. Photosynthesis Research, 2004, 81, 207-214.	2.9	91
113	Fluorescence Spectral Fluctuations of Single LH2 Complexes from Rhodopseudomonas acidophila Strain 10050. Biochemistry, 2004, 43, 4431-4438.	2.5	102
114	The structure and function of bacterial light-harvesting complexes (Review). Molecular Membrane Biology, 2004, 21, 183-191.	2.0	65
115	Crystal Structure of the RC-LH1 Core Complex from Rhodopseudomonas palustris. Science, 2003, 302, 1969-1972.	12.6	615
116	Linear-Dichroism Measurements on the LH2 Antenna Complex of Rhodopseudomonas Acidophila Strain 10050 Show that the Transition Dipole Moment of the Carotenoid Rhodopin Glucoside Is Not Collinear with the Long Molecular Axis. Journal of Physical Chemistry B, 2003, 107, 655-658.	2.6	25
117	The Structure and Thermal Motion of the B800â€"850 LH2 Complex from Rps.acidophila at 2.0Ã… Resolution and 100K: New Structural Features and Functionally Relevant Motions. Journal of Molecular Biology, 2003, 326, 1523-1538.	4.2	460
118	The structural basis of light-harvesting in purple bacteria. FEBS Letters, 2003, 555, 35-39.	2.8	70
119	Length, time, and energy scales of photosystems. Advances in Protein Chemistry, 2003, 63, 71-109.	4.4	47
120	The Light-Harvesting System of Purple Bacteria. Advances in Photosynthesis and Respiration, 2003, , 169-194.	1.0	42
121	Absorption and CD Spectroscopy and Modeling of Various LH2 Complexes from Purple Bacteria. Biophysical Journal, 2002, 82, 2184-2197.	0.5	127
122	Efficient Energy Transfer from the Carotenoid S2 State in a Photosynthetic Light-Harvesting Complex. Biophysical Journal, 2001, 80, 923-930.	0.5	109
123	Probing the binding sites of exchanged chlorophyllain LH2 by Raman and site-selection fluorescence spectroscopies. FEBS Letters, 2001, 491, 143-147.	2.8	17
124	Transient EPR and Absorption Studies of Carotenoid Triplet Formation in Purple Bacterial Antenna Complexes. Journal of Physical Chemistry B, 2001, 105, 5525-5535.	2.6	53
125	Carotenoids and bacterial photosynthesis: The story so far. Photosynthesis Research, 2001, 70, 249-256.	2.9	82
126	An examination of how structural changes can affect the rate of electron transfer in a mutated bacterial photoreaction centre. Biochemical Journal, 2000, 351, 567-578.	3.7	26

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127	X-ray crystal structure of the YM210W mutant reaction centre from Rhodobacter sphaeroides. FEBS Letters, 2000, 467, 285-290.	2.8	41
128	Ubiquinone Binding, Ubiquinone Exclusion, and Detailed Cofactor Conformation in a Mutant Bacterial Reaction Center. Biochemistry, 2000, 39, 15032-15043.	2.5	73
129	How carotenoids protect bacterial photosynthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1345-1349.	4.0	124
130	Title is missing!. Photosynthesis Research, 1999, 59, 223-230.	2.9	9
131	Cloning and sequencing of the pucBA genes from two strains of Rubrivivax gelatinosus. Photosynthesis Research, 1999, 62, 99-106.	2.9	4
132	Bacteriochlorin-protein interactions in native B800-B850, B800 deficient and B800-Bchlap-reconstituted complexes fromRhodopseudomonas acidophila, strain 10050. FEBS Letters, 1999, 449, 269-272.	2.8	28
133	Crystallographic studies of mutant reaction centres from Rhodobacter sphaeroides. Photosynthesis Research, 1998, 55, 133-140.	2.9	17
134	The effect of chemical oxidation on the fluorescence of the LH1 (B880) complex from the purple bacterium Rhodobium marinum. FEBS Letters, 1998, 432, 27-30.	2.8	34
135	Femtosecond Energy-Transfer Dynamics between Bacteriochlorophylls in the B800â^'820 Antenna Complex of the Photosynthetic Purple Bacterium Rhodopseudomonas acidophila (Strain 7750). Journal of Physical Chemistry B, 1998, 102, 881-887.	2.6	51
136	Structural Studies of Wild-Type and Mutant Reaction Centers from an Antenna-Deficient Strain of Rhodobacter sphaeroides:â€‰ Monitoring the Optical Properties of the Complex from Bacterial Cell to Crystal. Biochemistry, 1998, 37, 4740-4750.	2.5	83
137	The structures of S0 spheroidene in the light-harvesting (LH2) complex and S0 and T1 spheroidene in the reaction center of Rhodobacter sphaeroides 2.4.1 as revealed by Raman spectroscopy. Biospectroscopy, 1998, 2, 59-69.	0.6	35
138	Crystallising the LH1-RC â€œcoreâ€•complex of purple bacteria. Biochemical Society Transactions, 1998, 26, S160-S160.	3.4	2
139	Energy Transfer and Exciton Annihilation in the B800â^'850 Antenna Complex of the Photosynthetic Purple BacteriumRhodopseudomonas acidophila(Strain 10050). A Femtosecond Transient Absorption Study. Journal of Physical Chemistry B, 1997, 101, 1087-1095.	2.6	110
140	The structure and function of the LH2 (B800â€"850) complex from the purple photosynthetic bacterium Rhodopseudomonas acidophila strain 10050. Progress in Biophysics and Molecular Biology, 1997, 68, 1-27.	2.9	72
141	Title is missing!. Photosynthesis Research, 1997, 52, 157-165.	2.9	18
142	Carotenoids in Photosynthesis. Photochemistry and Photobiology, 1996, 63, 257-264.	2.5	870
143	Structureâ€Based Calculations of the Optical Spectra of the LH2 Bacteriochlorophyllâ€Protein Complex from <i>Rhodopseudomonas acidophila</i>. Photochemistry and Photobiology, 1996, 64, 564-576.	2.5	303
144	Pigmentâ€"pigment interactions and energy transfer in the antenna complex of the photosynthetic bacterium Rhodopseudomonas acidophila. Structure, 1996, 4, 449-462.	3.3	265

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145	Femtosecond dynamics of carotenoid-to-bacteriochlorophyll a energy transfer in the light-harvesting antenna complexes from the purple bacterium Chromatium purpuratum. Chemical	1.9	49
146	SOLVENT EFFECT ON SPHEROIDENE IN NONPOLAR AND POLAR SOLUTIONS AND THE ENVIRONMENT OF SPHEROIDENE IN THE LIGHTâ€HARVESTING COMPLEXES OF<i>Rhodobacter sphaeroides</i>2.4.1 AS REVEALED BY THE ENERGY OF THE¹A_g^{â^'}â†'¹B_u⁺ABSORPTION AND THE FREQUENCIES OF THE VIBRONICALLY COUPLED C=C STRETCHING RAMAN LINES IN THE¹A_g^{â^'}AND¹B_u^{â^'}STATES. Pho	2.5	63
147	The effect of growth conditions on the light-harvesting apparatus in Rhodopseudomonas acidophila. Photosynthesis Research, 1993, 38, 159-167.	2.9	84
148	A progress report on the crystallographic studies on the B800â€“850 antenna complex from Rhodopseudomonas acidophila strain 10050. Biochemical Society Transactions, 1993, 21, 39-40.	3.4	1
149	The lipids of Rhodopseudomonas acidophila strain 10050 as possible influences on the crystallisation of the B800â€“850 complex from this bacterium. Biochemical Society Transactions, 1993, 21, 5S-5S.	3.4	0
150	The effect of changes in light intensity and temperature on the peripheral antenna of <u>Rhodopseudomonas acidophila</u>. Biochemical Society Transactions, 1993, 21, 6S-6S.	3.4	13
151	Dihydrolipoamide dehydrogenase in plants: differences in the mitochondrial and chloroplastic forms. Biochemical Society Transactions, 1993, 21, 38S-38S.	3.4	1
152	Preparation, Purification, and Crystallization of Purple Bacteria Antenna Complexes. , 1993, , 23-42.		27
153	ABSORPTION SPECTRAL SHIFTS OF CAROTENOIDS RELATED TO MEDIUM POLARIZABILITY. Photochemistry and Photobiology, 1991, 54, 353-360.	2.5	175
154	The use of non-denaturing Deriphat-polyacrylamide gel electrophoresis to fractionate pigment-protein complexes of purple bacteria. Photosynthesis Research, 1991, 30, 139-143.	2.9	8
155	Isolation and characterisation of the different B800â€“850 light-harvesting complexes from low- and high-light grown cells of Rhodopseudomonas palustris, strain 2.1.6. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1016, 71-76.	1.0	52
156	Isolation and characterisation of an unusual antenna complex from the marine purple sulphur photosynthetic bacterium Chromatium purpuratum BN5500. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1019, 239-244.	1.0	29
157	Energy transfer from carotenoid to bacteriochlorophyll a in the B800-820 antenna complexes from Rhodopseudomonas acidophila strain 7050. FEBS Letters, 1988, 235, 169-172.	2.8	33
158	Purple-bacterial light-harvesting complexes. Biochemical Society Transactions, 1986, 14, 4-5.	3.4	3
159	CIRCULAR DICHROISM OF LIGHTâ€HARVESTING COMPLEXES FROM PURPLE PHOTOSYNTHETIC BACTERIA*. Photochemistry and Photobiology, 1985, 42, 669-678.	2.5	113
160	A comparison of the primary structures of the two B800-850-apoproteins from wild-type Rhodopseudomonas sphaeroides strain 2.4.1 and a carotenoidless mutant strain R26.1. FEBS Letters, 1984, 175, 231-237.	2.8	54
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