

Bruno Robert

List of Publications by Year in descending order

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216
papers

9,711
citations

34016

52
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46693

89
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all docs

225
docs citations

225
times ranked

6158
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic and Vibrational Properties of Allene Carotenoids. <i>Journal of Physical Chemistry A</i> , 2022, 126, 813-824.	1.1	3
2	A kaleidoscope of photosynthetic antenna proteins and their emerging roles. <i>Plant Physiology</i> , 2022, 189, 1204-1219.	2.3	14
3	Confronting FCP structure with ultrafast spectroscopy data: evidence for structural variations. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 806-821.	1.3	13
4	Pigment structure in the light-harvesting protein of the siphonous green alga <i>Codium fragile</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148384.	0.5	7
5	Singlet fission in naturally-organized carotenoid molecules. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4768-4776.	1.3	13
6	A new, unquenched intermediate of LHCII. <i>Journal of Biological Chemistry</i> , 2021, 296, 100322.	1.6	6
7	Tuning antenna function through hydrogen bonds to chlorophyll a. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148078.	0.5	23
8	Modeling Dynamic Conformations of Organic Molecules: Alkyne Carotenoids in Solution. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2792-2801.	1.1	4
9	A Genetic Toolbox for the New Model Cyanobacterium <i>Cyanothece</i> PCC 7425: A Case Study for the Photosynthetic Production of Limonene. <i>Frontiers in Microbiology</i> , 2020, 11, 586601.	1.5	9
10	Carotenoid composition and conformation in retinal oil droplets of the domestic chicken*. <i>PLoS ONE</i> , 2019, 14, e0217418.	1.1	5
11	Two-dimensional spectroscopy for non-specialists. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 271-285.	0.5	53
12	Lycopene crystalloids exhibit singlet exciton fission in tomatoes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8640-8646.	1.3	18
13	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
14	Binding of pigments to the cyanobacterial high-light-inducible protein HliC. <i>Photosynthesis Research</i> , 2018, 137, 29-39.	1.6	32
15	Site, trigger, quenching mechanism and recovery of non-photochemical quenching in cyanobacteria: recent updates. <i>Photosynthesis Research</i> , 2018, 137, 171-180.	1.6	10
16	Picosecond excitation energy transfer of allophycocyanin studied in solution and in crystals. <i>Photosynthesis Research</i> , 2018, 135, 79-86.	1.6	6
17	Pigment configuration in the light-harvesting protein of the xanthophyte alga <i>Xanthonema debile</i> . <i>Photosynthesis Research</i> , 2018, 138, 139-148.	1.6	8
18	Energy transfer and trapping in <i>Synechococcus</i> WH 7803. <i>Photosynthesis Research</i> , 2018, 135, 115-124.	1.6	11

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19	Derivation of original RESP atomic partial charges for MD simulations of the LDAO surfactant with AMBER: applications to a model of micelle and a fragment of the lipid kinase PI4KA. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 159-181.	2.0	4
20	Twisting a β -Carotene, an Adaptive Trick from Nature for Dissipating Energy during Photoprotection. <i>Journal of Biological Chemistry</i> , 2017, 292, 1396-1403.	1.6	37
21	Metal Cations Induced β -Chl Heterogeneity in LH1 as Revealed by Temperature-Dependent Fluorescence Splitting. <i>ChemPhysChem</i> , 2017, 18, 2295-2301.	1.0	4
22	Electronic and vibrational properties of carotenoids: from <i>in vitro</i> to <i>in vivo</i> . <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170504.	1.5	81
23	Triplet-triplet energy transfer in artificial and natural photosynthetic antennas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5513-E5521.	3.3	24
24	Pigment structure in the violaxanthin-chlorophyll-a-binding protein VCP. <i>Photosynthesis Research</i> , 2017, 134, 51-58.	1.6	19
25	Probing the pigment binding sites in LHCII with resonance Raman spectroscopy: The effect of mutations at S123. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1490-1496.	0.5	4
26	Pigment structure in the FCP-like light-harvesting complex from <i>Chromera velia</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1759-1765.	0.5	16
27	Structure and Conformation of the Carotenoids in Human Retinal Macular Pigment. <i>PLoS ONE</i> , 2015, 10, e0135779.	1.1	29
28	Conformational Switching in a Light-Harvesting Protein as Followed by Single-Molecule Spectroscopy. <i>Biophysical Journal</i> , 2015, 108, 2713-2720.	0.2	20
29	Echinenone vibrational properties: From solvents to the orange carotenoid protein. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1044-1054.	0.5	48
30	Pigment organisation in the membrane-intrinsic major light-harvesting complex of <i>Amphidinium carterae</i> : Structural characterisation of the peridinin and chlorophylls a and c2 by resonance Raman spectroscopy and from sequence analysis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1187-1199.	0.5	2
31	Assignment of IR bands of isolated and protein-bound Peridinin in its fundamental and triplet state by static FTIR, time-resolved step-scan FTIR and DFT calculations. <i>Journal of Molecular Structure</i> , 2015, 1090, 58-64.	1.8	9
32	Theory of Triplet Excitation Transfer in the Donor-Oxygen-Acceptor System: Application to Cytochrome b 6 f. <i>Biophysical Journal</i> , 2015, 109, 1735-1745.	0.2	5
33	Coherence and population dynamics of chlorophyll excitations in FCP complex: Two-dimensional spectroscopy study. <i>Journal of Chemical Physics</i> , 2015, 142, 212414.	1.2	30
34	Resonance Raman Spectra of Carotenoid Molecules: Influence of Methyl Substitutions. <i>Journal of Physical Chemistry A</i> , 2015, 119, 56-66.	1.1	47
35	Mapping energy transfer channels in fucoxanthin-chlorophyll protein complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 241-247.	0.5	59
36	Vibrational techniques applied to photosynthesis: Resonance Raman and fluorescence line-narrowing. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 12-18.	0.5	33

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37	Probing the carotenoid content of intact <i>Cyclotella</i> cells by resonance Raman spectroscopy. <i>Photosynthesis Research</i> , 2014, 119, 273-281.	1.6	35
38	Light-dependent conformational change of neoxanthin in a siphonous green alga, <i>Codium intricatum</i> , revealed by Raman spectroscopy. <i>Photosynthesis Research</i> , 2014, 121, 69-77.	1.6	22
39	Resonance Raman Spectra and Electronic Transitions in Carotenoids: A Density Functional Theory Study. <i>Journal of Physical Chemistry A</i> , 2014, 118, 1817-1825.	1.1	60
40	Fermi Resonance as a Tool for Probing Peridinin Environment. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5873-5881.	1.2	24
41	Tribute to Rienk van Grondelle. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10945-10946.	1.2	0
42	Electronic Absorption and Ground State Structure of Carotenoid Molecules. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11015-11021.	1.2	93
43	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
44	Excitons in the LH3 Complexes from Purple Bacteria. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11058-11068.	1.2	14
45	Ultrafast Energy Transfer from Chlorophyll <i>c</i> ₂ to Chlorophyll <i>a</i> in Fucoxanthin-Chlorophyll Protein Complex. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3590-3595.	2.1	33
46	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
47	Mechanisms Underlying Carotenoid Absorption in Oxygenic Photosynthetic Proteins. <i>Journal of Biological Chemistry</i> , 2013, 288, 18758-18765.	1.6	39
48	Exciton Band Structure in Bacterial Peripheral Light-Harvesting Complexes. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5192-5198.	1.2	18
49	Variation in carotenoid-protein interaction in bird feathers produces novel plumage coloration. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3338-3350.	1.5	51
50	Origin of Absorption Changes Associated with Photoprotective Energy Dissipation in the Absence of Zeaxanthin. <i>Journal of Biological Chemistry</i> , 2011, 286, 91-98.	1.6	25
51	Enzyme activation and catalysis: characterisation of the vibrational modes of substrate and product in protochlorophyllide oxidoreductase. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2307-2313.	1.3	9
52	Molecular Adaptation of Photoprotection: Triplet States in Light-Harvesting Proteins. <i>Biophysical Journal</i> , 2011, 101, 934-942.	0.2	58
53	Different crystal morphologies lead to slightly different conformations of light-harvesting complex II as monitored by variations of the intrinsic fluorescence lifetime. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12614.	1.3	30
54	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

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55	Pigment organization in fucoxanthin chlorophyll a/c ₂ proteins (FCP) based on resonance Raman spectroscopy and sequence analysis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1647-1656.	0.5	86
56	Spectral dependence of energy transfer in wild-type peripheral light-harvesting complexes of photosynthetic bacteria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1465-1469.	0.5	11
57	The 2-Cys Peroxiredoxin Alkyl Hydroperoxide Reductase C Binds Heme and Participates in Its Intracellular Availability in <i>Streptococcus agalactiae</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 16032-16041.	1.6	43
58	The Disulfide Bonds in Glycoprotein E2 of Hepatitis C Virus Reveal the Tertiary Organization of the Molecule. <i>PLoS Pathogens</i> , 2010, 6, e1000762.	2.1	210
59	Measurement of Long-Range Interatomic Distances by Solid-State Tritium-NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 1734-1735.	6.6	11
60	Structural and Spectroscopic Consequences of Hexacoordination of a Bacteriochlorophyll Cofactor in the <i>Rhodobacter sphaeroides</i> Reaction Center. <i>Biochemistry</i> , 2010, 49, 1882-1892.	1.2	21
61	Fluorescence Line Narrowing Studies on Isolated Chlorophyll Molecules. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2255-2260.	1.2	13
62	Electronic and Protein Structural Dynamics of a Photosensory Histidine Kinase. <i>Biochemistry</i> , 2010, 49, 4752-4759.	1.2	20
63	Resonance Raman spectroscopy. <i>Photosynthesis Research</i> , 2009, 101, 147-155.	1.6	144
64	Third-order optical nonlinearity of β -carotene homologues. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, S31.	0.8	2
65	Ultrafast optical responses of β -carotene and lycopene probed by sub-20-fs time-resolved coherent spectroscopy. <i>Journal of Luminescence</i> , 2009, 129, 1808-1812.	1.5	5
66	Carotenoid Structures and Environments in Trimeric and Oligomeric Fucoxanthin Chlorophyll a/c ₂ Proteins from Resonance Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12565-12574.	1.2	89
67	Spectroscopic Properties of Antenna Complexes from Purple Bacteria. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 199-212.	1.0	10
68	Phototrophic purple sulfur bacteria as heat engines in the South Andros Black Hole. <i>Photosynthesis Research</i> , 2008, 95, 261-268.	1.6	12
69	Fine tuning of the spectral properties of LH2 by single amino acid residues. <i>Photosynthesis Research</i> , 2008, 96, 145-151.	1.6	6
70	Self-assembly of the octapeptide lanreotide and lanreotide-based derivatives: the role of the aromatic residues. <i>Journal of Peptide Science</i> , 2008, 14, 66-75.	0.8	22
71	Thermodynamics of the β association in light-harvesting complex I of <i>Rhodospirillum rubrum</i> . <i>FEBS Journal</i> , 2008, 275, 1240-1247.	2.2	1
72	The peripheral light-harvesting complexes from purple sulfur bacteria have different β ring sizes. <i>FEBS Letters</i> , 2008, 582, 3650-3656.	1.3	37

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73	A photoactive carotenoid protein acting as light intensity sensor. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12075-12080.	3.3	324
74	The Role of Aromatic Phenylalanine Residues in Binding Carotenoid to Light-Harvesting Model and Wild-Type Complexes. Journal of Molecular Biology, 2008, 382, 154-166.	2.0	10
75	Perturbation of the ground-state electronic structure of FMN by the conserved cysteine in phototropin LOV2 domains. Physical Chemistry Chemical Physics, 2008, 10, 6693.	1.3	27
76	Static and Dynamic Protein Impact on Electronic Properties of Light-Harvesting Complex LH2. Journal of Physical Chemistry B, 2008, 112, 15883-15892.	1.2	41
77	Energy dissipation in the ground-state vibrational manifolds of β -carotene homologues: A sub-20-fs time-resolved transient grating spectroscopic study. Physical Review B, 2008, 77, .	1.1	31
78	Large third-order optical nonlinearity realized in symmetric nonpolar carotenoids. Physical Review B, 2008, 78, .	1.1	7
79	Elevated Zeaxanthin Bound to Oligomeric LHCII Enhances the Resistance of Arabidopsis to Photooxidative Stress by a Lipid-protective, Antioxidant Mechanism. Journal of Biological Chemistry, 2007, 282, 22605-22618.	1.6	162
80	Solvation Effect of Bacteriochlorophyll Excitons in Light-Harvesting Complex LH2. Biophysical Journal, 2007, 93, 2188-2198.	0.2	28
81	Identification of a mechanism of photoprotective energy dissipation in higher plants. Nature, 2007, 450, 575-578.	13.7	808
82	Myoglobin with modified tetrapyrrole chromophores: Binding specificity and photochemistry. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 750-763.	0.5	19
83	Carotenoid stoichiometry in the LH2 crystal: No spectral evidence for the presence of the second molecule in the β -apoprotein dimer. FEBS Letters, 2006, 580, 3841-3844.	1.3	18
84	Binding of bufuralol, dextromethorphan, and 3,4-methylenedioxyamphetamine to wild-type and F120A mutant cytochrome P450 2D6 studied by resonance Raman spectroscopy. Biochemical and Biophysical Research Communications, 2006, 343, 772-779.	1.0	19
85	Structural Role of (Bacterio)chlorophyll Ligated in the Energetically Unfavorable β -Position. Journal of Biological Chemistry, 2006, 281, 10626-10634.	1.6	21
86	Molecular basis of photoprotection and control of photosynthetic light-harvesting. Nature, 2005, 436, 134-137.	13.7	569
87	Temperature Broadening of LH2 Absorption in Glycerol Solution. Photosynthesis Research, 2005, 86, 49-59.	1.6	19
88	Preferential Incorporation of Coloured-carotenoids Occurs in the LH2 Complexes From Non-sulphur Purple Bacteria Under Carotenoid-limiting Conditions. Photosynthesis Research, 2005, 86, 25-35.	1.6	39
89	Strong Effects of an Individual Water Molecule on the Rate of Light-driven Charge Separation in the Rhodospirillum rubrum Reaction Center. Journal of Biological Chemistry, 2005, 280, 27155-27164.	1.6	46
90	Hydrogen Bonding in a Model Bacteriochlorophyll-binding Site Drives Assembly of Light Harvesting Complex. Journal of Biological Chemistry, 2004, 279, 15067-15075.	1.6	22

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91	Carotenoid Specificity of Light-harvesting Complex II Binding Sites. <i>Journal of Biological Chemistry</i> , 2004, 279, 5162-5168.	1.6	34
92	Hydrophobic Pockets at the Membrane Interface: An Original Mechanism for Membrane Protein Interactions. <i>Biochemistry</i> , 2004, 43, 1276-1282.	1.2	15
93	Insights into the molecular dynamics of plant light-harvesting proteins in vivo. <i>Trends in Plant Science</i> , 2004, 9, 385-390.	4.3	91
94	The effect of internal voids in membrane proteins: high-pressure study of two photochemical reaction centres from <i>Rhodobacter sphaeroides</i> . <i>FEBS Letters</i> , 2004, 560, 221-225.	1.3	8
95	Self-Association Process of a Peptide in Solution: From β -Sheet Filaments to Large Embedded Nanotubes. <i>Biophysical Journal</i> , 2004, 86, 2484-2501.	0.2	60
96	The H-NS dimerization domain defines a new fold contributing to DNA recognition. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 212-218.	3.6	134
97	Light Harvesting by Carotenoids Incorporated into the B850 Light-Harvesting Complex from <i>Rhodobacter sphaeroides</i> R-26.1: Excited-State Relaxation, Ultrafast Triplet Formation, and Energy Transfer to Bacteriochlorophyll. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5642-5649.	1.2	111
98	Influence of Carotenoid Molecules on the Structure of the Bacteriochlorophyll Binding Site in Peripheral Light-Harvesting Proteins from <i>Rhodobacter sphaeroides</i> . <i>Biochemistry</i> , 2003, 42, 7252-7258.	1.2	34
99	Oxidation of the Two β -Carotene Molecules in the Photosystem II Reaction Center. <i>Biochemistry</i> , 2003, 42, 1008-1015.	1.2	65
100	Role of the C-Terminal Extrinsic Region of the α Polypeptide of the Light-Harvesting 2 Complex of <i>Rhodobacter sphaeroides</i> : A Domain Swap Study. <i>Biochemistry</i> , 2003, 42, 15114-15123.	1.2	16
101	Identification of intramembrane hydrogen bonding between 131 keto group of bacteriochlorophyll and serine residue 127 in the LH2 light-harvesting complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2003, 1607, 19-26.	0.5	19
102	AFM Characterization of Tilt and Intrinsic Flexibility of <i>Rhodobacter sphaeroides</i> Light Harvesting Complex 2 (LH2). <i>Journal of Molecular Biology</i> , 2003, 325, 569-580.	2.0	84
103	Recombinant Lhca2 and Lhca3 Subunits of the Photosystem I Antenna System. <i>Biochemistry</i> , 2003, 42, 4226-4234.	1.2	91
104	In the Unicellular Red Alga <i>Rhodella violacea</i> Iron Deficiency Induces an Accumulation of Uncoupled LHC. <i>Plant and Cell Physiology</i> , 2003, 44, 1141-1151.	1.5	20
105	Nanodissection and high-resolution imaging of the <i>Rhodospseudomonas viridis</i> photosynthetic core complex in native membranes by AFM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1690-1693.	3.3	237
106	Biomimetic organization: Octapeptide self-assembly into nanotubes of viral capsid-like dimension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10258-10262.	3.3	248
107	Membrane Protein Stability: A High Pressure Effects on the Structure and Chromophore-Binding Properties of the Light-Harvesting Complex LH2. <i>Biochemistry</i> , 2003, 42, 13019-13026.	1.2	36
108	The Light-Harvesting System of Purple Bacteria. <i>Advances in Photosynthesis and Respiration</i> , 2003, , 169-194.	1.0	42

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109	Molecular Configuration of Xanthophyll Cycle Carotenoids in Photosystem II Antenna Complexes. <i>Journal of Biological Chemistry</i> , 2002, 277, 42937-42942.	1.6	62
110	The Degree of Oligomerization of the H-NS Nucleoid Structuring Protein Is Related to Specific Binding to DNA. <i>Journal of Biological Chemistry</i> , 2002, 277, 41657-41666.	1.6	79
111	A Structural Investigation of the Central Chlorophylla Binding Sites in the Minor Photosystem II Antenna Protein, Lhcb4. <i>Biochemistry</i> , 2002, 41, 2305-2310.	1.2	10
112	Structural Asymmetry of Bacterial Reaction Centers: A Qy Resonant Raman Study of the Monomer Bacteriochlorophylls. <i>Journal of Physical Chemistry A</i> , 2002, 106, 3605-3613.	1.1	17
113	Pheophytin-Protein Interactions in Photosystem II Studied by Resonance Raman Spectroscopy of Modified Reaction Centers. <i>Biochemistry</i> , 2002, 41, 11449-11455.	1.2	14
114	Biochemical Characterization of the Dissociated Forms from the Core Antenna Proteins from Purple Bacteria. <i>Biochemistry</i> , 2002, 41, 11812-11819.	1.2	11
115	Membrane Proteins in Bulk Solution Can Be Used for Quasi-Elastic Neutron Scattering Studies: The Case for the Photochemical Reaction Center. <i>Journal of Physical Chemistry B</i> , 2002, 106, 6303-6309.	1.2	10
116	Activation of Zeaxanthin Is an Obligatory Event in the Regulation of Photosynthetic Light Harvesting. <i>Journal of Biological Chemistry</i> , 2002, 277, 7785-7789.	1.6	99
117	In vitro reconstitution of the activated zeaxanthin state associated with energy dissipation in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16331-16335.	3.3	114
118	Tuning of the optical and electrochemical properties of the primary donor bacteriochlorophylls in the reaction centre from <i>Rhodobacter sphaeroides</i> : spectroscopy and structure. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1554, 75-93.	0.5	35
119	The reaction order of the dissociation reaction of the B820 subunit of <i>Rhodospirillum rubrum</i> light-harvesting I complex. <i>FEBS Letters</i> , 2002, 516, 40-42.	1.3	11
120	Tuning of the redox potential of the primary electron donor in reaction centres of purple bacteria: effects of amino acid polarity and position. <i>FEBS Letters</i> , 2002, 527, 171-175.	1.3	29
121	Spectroscopic characterisation of a tetrameric subunit form of the core antenna protein from <i>Rhodospirillum rubrum</i> . <i>FEBS Letters</i> , 2002, 528, 222-226.	1.3	7
122	Steady-state spectroscopy of zinc-bacteriopheophytin containing LH1 an in vitro and in silico study. <i>Chemical Physics</i> , 2002, 275, 31-45.	0.9	4
123	Effect of High Pressure on the Photochemical Reaction Center from <i>Rhodobacter sphaeroides</i> R26.1. <i>Biophysical Journal</i> , 2001, 80, 1487-1497.	0.2	19
124	Probing the binding sites of exchanged chlorophyll in LH2 by Raman and site-selection fluorescence spectroscopies. <i>FEBS Letters</i> , 2001, 491, 143-147.	1.3	17
125	Pigment conformation and pigment-protein interactions in the reconstituted Lhcb4 antenna protein. <i>FEBS Letters</i> , 2001, 492, 54-57.	1.3	8
126	Configuration and Dynamics of Xanthophylls in Light-harvesting Antennae of Higher Plants. <i>Journal of Biological Chemistry</i> , 2001, 276, 24862-24870.	1.6	103

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127	Design, synthesis and properties of synthetic chlorophyll proteins. FEBS Journal, 2001, 268, 3284-3295.	0.2	48
128	Small angle neutron scattering measurements on the membrane protein subunit B777 in a detergent microemulsion. Biopolymers, 2001, 58, 231-234.	1.2	5
129	An examination of how structural changes can affect the rate of electron transfer in a mutated bacterial photoreaction centre. Biochemical Journal, 2000, 351, 567.	1.7	11
130	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.	1.7	26
131	Pigment Binding Site Properties of Two Photosystem II Antenna Proteins. Journal of Biological Chemistry, 2000, 275, 22031-22036.	1.6	19
132	Xanthophylls of the major photosynthetic light-harvesting complex of plants: identification, conformation and dynamics. FEBS Letters, 2000, 477, 181-185.	1.3	103
133	Exchanging Cofactors in the Core Antennae from Purple Bacteria: Structure and Properties of Zn ²⁺ Bacteriopheophytin-Containing LH1. Biochemistry, 2000, 39, 1091-1099.	1.2	21
134	Structure and Interactions of the ChlorophyllaMolecules in the Higher Plant Lhcb4 Antenna Protein. Journal of Physical Chemistry B, 2000, 104, 9317-9321.	1.2	22
135	An examination of how structural changes can affect the rate of electron transfer in a mutated bacterial photoreaction centre. Biochemical Journal, 2000, 351 Pt 3, 567-78.	1.7	6
136	Title is missing!. Photosynthesis Research, 1999, 59, 223-230.	1.6	9
137	Spectroscopic characterization of the spinach Lhcb4 protein (CP29), a minor light-harvesting complex of photosystem II. FEBS Journal, 1999, 262, 817-823.	0.2	51
138	Certain species of theProteobacteria possess unusual bacteriochlorophylla environments in their light-harvesting proteins. , 1999, 5, 338-345.		4
139	Bacteriochlorin-protein interactions in native B800-B850, B800 deficient and B800-Bchl _a -reconstituted complexes fromRhodospseudomonas acidophila, strain 10050. FEBS Letters, 1999, 449, 269-272.	1.3	28
140	Fourier-transform resonance Raman spectra of cation carotenoid in photosystem II reaction centres. FEBS Letters, 1999, 453, 11-14.	1.3	21
141	Characterization of the Different Peripheral Light-Harvesting Complexes from High- and Low-Light Grown Cells from Rhodospseudomonas palustris. Biochemistry, 1999, 38, 5185-5190.	1.2	44
142	Conformation of Bacteriochlorophyll Molecules in Photosynthetic Proteins from Purple Bacteria. Biochemistry, 1999, 38, 11115-11121.	1.2	43
143	The Electronic Structure, Stereochemistry and Resonance Raman Spectroscopy of Carotenoids. , 1999, , 189-201.		16
144	Heterologous expression of genes encoding bacterial light-harvesting complex II in Rhodobacter capsulatus and Rhodovulum sulfophilum. Microbiological Research, 1998, 153, 189-204.	2.5	10

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