

Bruno Robert

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219
papers

8,632
citations

49
h-index

83
g-index

225
ext. papers

9,181
ext. citations

4.4
avg, IF

5.61
L-index

#	Paper	IF	Citations
219	Identification of a mechanism of photoprotective energy dissipation in higher plants. <i>Nature</i> , 2007 , 450, 575-8	50.4	719
218	Molecular basis of photoprotection and control of photosynthetic light-harvesting. <i>Nature</i> , 2005 , 436, 134-7	50.4	510
217	A photoactive carotenoid protein acting as light intensity sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 12075-80	11.5	255
216	Nanodissection and high-resolution imaging of the Rhodospseudomonas viridis photosynthetic core complex in native membranes by AFM. Atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 1690-3	11.5	222
215	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, 10258-62	11.5	219
214	The disulfide bonds in glycoprotein E2 of hepatitis C virus reveal the tertiary organization of the molecule. <i>PLoS Pathogens</i> , 2010 , 6, e1000762	7.6	187
213	Blue shifts in bacteriochlorophyll absorbance correlate with changed hydrogen bonding patterns in light-harvesting 2 mutants of Rhodobacter sphaeroides with alterations at alpha-Tyr-44 and alpha-Tyr-45. <i>Biochemical Journal</i> , 1994 , 299 (Pt 3), 695-700	3.8	141
212	Elevated zeaxanthin bound to oligomeric LHCII enhances the resistance of Arabidopsis to photooxidative stress by a lipid-protective, antioxidant mechanism. <i>Journal of Biological Chemistry</i> , 2007 , 282, 22605-18	5.4	134
211	Resonance Raman spectroscopy. <i>Photosynthesis Research</i> , 2009 , 101, 147-55	3.7	118
210	The H-NS dimerization domain defines a new fold contributing to DNA recognition. <i>Nature Structural and Molecular Biology</i> , 2003 , 10, 212-8	17.6	116
209	Modification of a hydrogen bond to a bacteriochlorophyll a molecule in the light-harvesting 1 antenna of Rhodobacter sphaeroides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 7124-8	11.5	113
208	Laurdan solvatochromism: solvent dielectric relaxation and intramolecular excited-state reaction. <i>Biophysical Journal</i> , 1997 , 73, 2221-34	2.9	112
207	Light Harvesting by Carotenoids Incorporated into the B850 Light-Harvesting Complex from Rhodobacter sphaeroides 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	3.4	106
206	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, 16331-5	11.5	105
205	Primary donor structure and interactions in bacterial reaction centers from near-infrared Fourier transform resonance Raman spectroscopy. <i>Biochemistry</i> , 1991 , 30, 4648-54	3.2	105
204	Changes in primary donor hydrogen-bonding interactions in mutant reaction centers from Rhodobacter sphaeroides: identification of the vibrational frequencies of all the conjugated carbonyl groups. <i>Biochemistry</i> , 1994 , 33, 1636-43	3.2	103
203	Structures of antenna complexes of several Rhodospirillales from their resonance Raman spectra. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1985 , 807, 10-23	4.6	98

202	On the presence and role of a molecule of chlorophyll a in the cytochrome b6 f complex. <i>Journal of Biological Chemistry</i> , 1997 , 272, 21901-8	5.4	97
201	Unexpected similarities of the B800-850 light-harvesting complex from <i>Rhodospirillum molischianum</i> to the B870 light-harvesting complexes from other purple photosynthetic bacteria. <i>Biochemistry</i> , 1993 , 32, 5615-21	3.2	91
200	Functions of conserved tryptophan residues of the core light-harvesting complex of <i>Rhodobacter sphaeroides</i> . <i>Biochemistry</i> , 1997 , 36, 2772-8	3.2	90
199	Xanthophylls of the major photosynthetic light-harvesting complex of plants: identification, conformation and dynamics. <i>FEBS Letters</i> , 2000 , 477, 181-5	3.8	88
198	Configuration and dynamics of xanthophylls in light-harvesting antennae of higher plants. Spectroscopic analysis of isolated light-harvesting complex of photosystem II and thylakoid membranes. <i>Journal of Biological Chemistry</i> , 2001 , 276, 24862-70	5.4	88
197	Activation of zeaxanthin is an obligatory event in the regulation of photosynthetic light harvesting. <i>Journal of Biological Chemistry</i> , 2002 , 277, 7785-9	5.4	86
196	Site-directed modification of the ligands to the bacteriochlorophylls of the light-harvesting LH1 and LH2 complexes of <i>Rhodobacter sphaeroides</i> . <i>Biochemistry</i> , 1997 , 36, 12625-32	3.2	84
195	Recombinant Lhca2 and Lhca3 subunits of the photosystem I antenna system. <i>Biochemistry</i> , 2003 , 42, 4226-34	3.2	82
194	Insights into the molecular dynamics of plant light-harvesting proteins in vivo. <i>Trends in Plant Science</i> , 2004 , 9, 385-90	13.1	81
193	Thermodynamics of membrane polypeptide oligomerization in light-harvesting complexes and associated structural changes. <i>Journal of Molecular Biology</i> , 1994 , 238, 445-54	6.5	80
192	Carotenoid structures and environments in trimeric and oligomeric fucoxanthin chlorophyll a/c2 proteins from resonance Raman spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 12565-74	3.4	79
191	Electronic absorption and ground state structure of carotenoid molecules. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 11015-21	3.4	77
190	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, 1647-56	4.6	76
189	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, 569-80	6.5	76
188	Structure, spectroscopic, and redox properties of <i>Rhodobacter sphaeroides</i> reaction centers bearing point mutations near the primary electron donor. <i>Biochemistry</i> , 1993 , 32, 12875-86	3.2	74
187	Site-specific mutagenesis of the reaction centre from <i>Rhodobacter sphaeroides</i> studied by Fourier transform Raman spectroscopy: mutations at tyrosine M210 do not affect the electronic structure of the primary donor. <i>FEBS Letters</i> , 1994 , 339, 18-24	3.8	74
186	The stereoisomerism of bacterial, reaction-center-bound carotenoids revisited: An electronic absorption, resonance Raman and 1H-NMR study. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987 , 894, 423-433	4.6	74
185	Structure and properties of the bacteriochlorophyll binding site in peripheral light-harvesting complexes of purple bacteria. <i>Biochemistry</i> , 1995 , 34, 517-23	3.2	73

184	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, 41657-66	5.4	71
183	Influence of the protein binding site on the absorption properties of the monomeric bacteriochlorophyll in <i>Rhodobacter sphaeroides</i> LH2 complex. <i>Biochemistry</i> , 1997 , 36, 16282-7	3.2	67
182	Pigment Binding-Site and Electronic Properties in Light-Harvesting Proteins of Purple Bacteria. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 7227-7231	3.4	64
181	Ultrafast evolution of the excited states in the chlorophyll a/b complex CP29 from green plants studied by energy-selective pump-probe spectroscopy. <i>Biochemistry</i> , 1998 , 37, 1143-9	3.2	64
180	A resonance Raman characterization of the primary electron acceptor in photosystem II. <i>Biochemistry</i> , 1989 , 28, 3641-3645	3.2	63
179	Oxidation of the two beta-carotene molecules in the photosystem II reaction center. <i>Biochemistry</i> , 2003 , 42, 1008-15	3.2	60
178	Molecular configuration of xanthophyll cycle carotenoids in photosystem II antenna complexes. <i>Journal of Biological Chemistry</i> , 2002 , 277, 42937-42	5.4	59
177	Resonance Raman spectroscopy of the photosystem II light-harvesting complex of green plants: a comparison of trimeric and aggregated states. <i>Biochemistry</i> , 1995 , 34, 2333-7	3.2	59
176	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, 27247-54	5.4	58
175	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,		56
174	Electronic and vibrational properties of carotenoids: from to. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	53
173	Self-association process of a peptide in solution: from beta-sheet filaments to large embedded nanotubes. <i>Biophysical Journal</i> , 2004 , 86, 2484-501	2.9	52
172	Structure of the primary donor of <i>Rhodospseudomonas sphaeroides</i> : difference resonance Raman spectroscopy of reaction centers. <i>Biochemistry</i> , 1986 , 25, 2303-2309	3.2	51
171	Time-resolved and steady-state spectroscopic analysis of membrane-bound reaction centers from <i>Rhodobacter sphaeroides</i> : comparisons with detergent-solubilized complexes. <i>Biochemistry</i> , 1995 , 34, 14712-21	3.2	50
170	Application of near-IR Fourier transform resonance Raman spectroscopy to the study of photosynthetic proteins. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1993 , 49, 785-799		49
169	Selective photochemical reduction of either of the two bacteriopheophytins in reaction centers of <i>Rps. sphaeroides</i> R-26. <i>FEBS Letters</i> , 1985 , 183, 326-330	3.8	49
168	Molecular adaptation of photoprotection: triplet states in light-harvesting proteins. <i>Biophysical Journal</i> , 2011 , 101, 934-42	2.9	48
167	Spectroscopic characterization of the spinach Lhcb4 protein (CP29), a minor light-harvesting complex of photosystem II. <i>FEBS Journal</i> , 1999 , 262, 817-23		48

166	Resonance Raman spectra and electronic transitions in carotenoids: a density functional theory study. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 1817-25	2.8	46
165	Resonance Raman spectroscopy of a light-harvesting protein from the brown alga <i>Laminaria saccharina</i> . <i>Biochemistry</i> , 1998 , 37, 2450-7	3.2	46
164	Mapping energy transfer channels in fucoxanthin-chlorophyll protein complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 241-247	4.6	45
163	Design, synthesis and properties of synthetic chlorophyll proteins. <i>FEBS Journal</i> , 2001 , 268, 3284-95		45
162	The role of chromophore coupling in tuning the spectral properties of peripheral light-harvesting protein of purple bacteria. <i>Photosynthesis Research</i> , 1996 , 50, 5-10	3.7	44
161	Proteic events following charge separation in the bacterial reaction center: resonance Raman spectroscopy. <i>Biochemistry</i> , 1988 , 27, 5108-5114	3.2	44
160	Strong effects of an individual water molecule on the rate of light-driven charge separation in the <i>Rhodobacter sphaeroides</i> reaction center. <i>Journal of Biological Chemistry</i> , 2005 , 280, 27155-64	5.4	43
159	Variation in carotenoid-protein interaction in bird feathers produces novel plumage coloration. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 3338-50	4.1	40
158	Conformation of bacteriochlorophyll molecules in photosynthetic proteins from purple bacteria. <i>Biochemistry</i> , 1999 , 38, 11115-21	3.2	40
157	The Light-Harvesting System of Purple Bacteria. <i>Advances in Photosynthesis and Respiration</i> , 2003 , 169-194		39
156	Characterization of the different peripheral light-harvesting complexes from high- and low-light grown cells from <i>Rhodospseudomonas palustris</i> . <i>Biochemistry</i> , 1999 , 38, 5185-90	3.2	38
155	Resonance Raman spectra of carotenoid molecules: influence of methyl substitutions. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 56-66	2.8	37
154	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, 16032-41	5.4	36
153	Resonance Raman spectroscopy of metal-substituted bacteriochlorophylls: characterization of Raman bands sensitive to bacteriochlorin conformation. <i>Journal of Raman Spectroscopy</i> , 1997 , 28, 599-604	2.4	36
152	Preferential incorporation of coloured-carotenoids occurs in the LH2 complexes from non-sulphur purple bacteria under carotenoid-limiting conditions. <i>Photosynthesis Research</i> , 2005 , 86, 25-35	3.7	36
151	Structure of the primary electron donor in photosystem I: a resonance Raman study. <i>Biochemistry</i> , 1990 , 29, 4740-6	3.2	36
150	Static and dynamic protein impact on electronic properties of light-harvesting complex LH2. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 15883-92	3.4	35
149	Resonance Raman characterization of <i>Rhodobacter sphaeroides</i> reaction centers bearing site-directed mutations at tyrosine M210. <i>Biochemistry</i> , 1991 , 30, 1715-22	3.2	35

148	The peripheral light-harvesting complexes from purple sulfur bacteria have different RingSizes. <i>FEBS Letters</i> , 2008 , 582, 3650-6	3.8	34
147	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	4.6	34
146	Effects of vinyl substitutions on resonance Raman spectra of (bacterio)chlorophylls. <i>Journal of Raman Spectroscopy</i> , 1994 , 25, 365-370	2.3	34
145	Echinenone vibrational properties: From solvents to the orange carotenoid protein. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 1044-54	4.6	33
144	Membrane protein stability: high pressure effects on the structure and chromophore-binding properties of the light-harvesting complex LH2. <i>Biochemistry</i> , 2003 , 42, 13019-26	3.2	33
143	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, 7252-8	3.2	33
142	Mechanisms underlying carotenoid absorption in oxygenic photosynthetic proteins. <i>Journal of Biological Chemistry</i> , 2013 , 288, 18758-65	5.4	32
141	Structure and binding site of the primary electron acceptor in the reaction center of <i>Chlorobium</i> . <i>Biochemistry</i> , 1994 , 33, 7594-9	3.2	32
140	Two-dimensional spectroscopy for non-specialists. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019 , 1860, 271-285	4.6	32
139	CHEMICALLY MODIFIED PHOTOSYNTHETIC BACTERIAL REACTION CENTERS: CIRCULAR DICHROISM, RAMAN RESONANCE, LOW TEMPERATURE ABSORPTION, FLUORESCENCE AND ODMR SPECTRA AND POLYPEPTIDE COMPOSITION OF BOROHYDRIDE TREATED REACTION CENTERS FROM <i>Rhodobacter sphaeroides</i> R26. <i>Photochemistry and Photobiology</i> , 1988 , 47, 293-304	3.6	31
138	Probing the carotenoid content of intact <i>Cyclotella</i> cells by resonance Raman spectroscopy. <i>Photosynthesis Research</i> , 2014 , 119, 273-81	3.7	30
137	Conformational flexibility and polymerization of vesicular stomatitis virus matrix protein. <i>Journal of Molecular Biology</i> , 1997 , 274, 816-25	6.5	30
136	Non-bonding molecular factors influencing the stretching wavenumbers of the conjugated carbonyl groups of bacteriochlorophyll a. <i>Journal of Raman Spectroscopy</i> , 1998 , 29, 977-981	2.3	30
135	ISOLATION and SPECTROSCOPIC CHARACTERIZATION OF THE B875 ANTENNA COMPLEX OF A MUTANT OF <i>Rhodospseudomonas sphaeroides</i> . <i>Photochemistry and Photobiology</i> , 1985 , 42, 573-578	3.6	30
134	Twisting a β -Carotene, an Adaptive Trick from Nature for Dissipating Energy during Photoprotection. <i>Journal of Biological Chemistry</i> , 2017 , 292, 1396-1403	5.4	29
133	Energy dissipation in the ground-state vibrational manifolds of β -carotene homologues: A sub-20-fs time-resolved transient grating spectroscopic study. <i>Physical Review B</i> , 2008 , 77,	3.3	29
132	Carotenoid specificity of light-harvesting complex II binding sites. Occurrence of 9-cis-violaxanthin in the neoxanthin-binding site in the parasitic angiosperm <i>Cuscuta reflexa</i> . <i>Journal of Biological Chemistry</i> , 2004 , 279, 5162-8	5.4	29
131	Transfer RNA-pseudouridine synthetase Pus1 of <i>Saccharomyces cerevisiae</i> contains one atom of zinc essential for its native conformation and tRNA recognition. <i>Biochemistry</i> , 1998 , 37, 7268-76	3.2	29

130	Investigation of cyclodextrin inclusion compounds using FT-IR and Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995 , 51, 1861-1870	4.4	29
129	Vibrational techniques applied to photosynthesis: Resonance Raman and fluorescence line-narrowing. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 12-8	4.6	28
128	Ultrafast Energy Transfer from Chlorophyll c2 to Chlorophyll a in Fucoxanthin-Chlorophyll Protein Complex. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3590-3595	6.4	28
127	Resonance Raman studies of bacterial reaction centers. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1990 , 1017, 99-111	4.6	28
126	Solvation effect of bacteriochlorophyll excitons in light-harvesting complex LH2. <i>Biophysical Journal</i> , 2007 , 93, 2188-98	2.9	27
125	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, 171-5	3.8	27
124	Bacteriochlorin-protein interactions in native B800-B850, B800 deficient and B800-Bchl(a _p)-reconstituted complexes from <i>Rhodospseudomonas acidophila</i> , strain 10050. <i>FEBS Letters</i> , 1999 , 449, 269-72	3.8	27
123	Perturbation of the ground-state electronic structure of FMN by the conserved cysteine in phototropin LOV2 domains. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6693-702	3.6	26
122	The effect of pressure on the bacteriochlorophyll a binding sites of the core antenna complex from <i>Rhodospirillum rubrum</i> . <i>Biochemistry</i> , 1998 , 37, 14875-80	3.2	26
121	Resonance Raman spectroscopy of the B820 subunit of the core antenna from <i>Rhodospirillum rubrum</i> G9. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993 , 1183, 369-373	4.6	26
120	Binding of pigments to the cyanobacterial high-light-inducible protein HliC. <i>Photosynthesis Research</i> , 2018 , 137, 29-39	3.7	25
119	Symmetric structural features and binding site of the primary electron donor in the reaction center of <i>Chlorobium</i> . <i>Biochemistry</i> , 1995 , 34, 11099-105	3.2	25
118	Coherence and population dynamics of chlorophyll excitations in FCP complex: Two-dimensional spectroscopy study. <i>Journal of Chemical Physics</i> , 2015 , 142, 212414	3.9	24
117	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, 11176-83	3.4	24
116	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, 12614-22	3.6	24
115	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	3.8	24
114	Biochemical and spectroscopic characterization of the B800-850 light-harvesting complex from <i>Rhodobacter sulphidophilus</i> and its B800-830 spectral form. <i>Biochemistry</i> , 1995 , 34, 10519-24	3.2	24
113	Origin of absorption changes associated with photoprotective energy dissipation in the absence of zeaxanthin. <i>Journal of Biological Chemistry</i> , 2011 , 286, 91-8	5.4	23

112	Transmembrane helix stability: the effect of helix-helix interactions studied by Fourier transform infrared spectroscopy. <i>Biophysical Journal</i> , 1998 , 74, 988-94	2.9	23
111	Pigment interactions in chlorosomes of various green bacteria. <i>Photosynthesis Research</i> , 1994 , 41, 175-80	3.7	23
110	Fermi resonance as a tool for probing peridinin environment. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 5873-81	3.4	22
109	Hydrogen bonding in a model bacteriochlorophyll-binding site drives assembly of light harvesting complex. <i>Journal of Biological Chemistry</i> , 2004 , 279, 15067-75	5.4	22
108	Structure and Interactions of the Chlorophyll a Molecules in the Higher Plant Lhcb4 Antenna Protein. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 9317-9321	3.4	22
107	Structural and spectroscopic consequences of hexacoordination of a bacteriochlorophyll cofactor in the Rhodobacter sphaeroides reaction center. <i>Biochemistry</i> , 2010 , 49, 1882-92	3.2	20
106	Structural role of (bacterio)chlorophyll ligated in the energetically unfavorable beta-position. <i>Journal of Biological Chemistry</i> , 2006 , 281, 10626-34	5.4	20
105	Exchanging cofactors in the core antennae from purple bacteria: structure and properties of Zn-bacteriopheophytin-containing LH1. <i>Biochemistry</i> , 2000 , 39, 1091-9	3.2	20
104	Fourier-transform resonance Raman spectra of cation carotenoid in photosystem II reaction centres. <i>FEBS Letters</i> , 1999 , 453, 11-4	3.8	20
103	Structure and Conformation of the Carotenoids in Human Retinal Macular Pigment. <i>PLoS ONE</i> , 2015 , 10, e0135779	3.7	19
102	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	2.1	19
101	Electronic and protein structural dynamics of a photosensory histidine kinase. <i>Biochemistry</i> , 2010 , 49, 4752-9	3.2	18
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99	In the unicellular red alga Rhodella violacea iron deficiency induces an accumulation of uncoupled LHC. <i>Plant and Cell Physiology</i> , 2003 , 44, 1141-51	4.9	18
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97	Effect of high pressure on the photochemical reaction center from Rhodobacter sphaeroides R26.1. <i>Biophysical Journal</i> , 2001 , 80, 1487-97	2.9	18
96	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	11.5	17
95	Exciton band structure in bacterial peripheral light-harvesting complexes. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 5192-8	3.4	17

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93	Identification of intramembrane hydrogen bonding between 13(1) keto group of bacteriochlorophyll and serine residue alpha27 in the LH2 light-harvesting complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2003 , 1607, 19-26	4.6	17
92	Probing the binding sites of exchanged chlorophyll a in LH2 by Raman and site-selection fluorescence spectroscopies. <i>FEBS Letters</i> , 2001 , 491, 143-7	3.8	17
91	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	3.7	16
90	Myoglobin with modified tetrapyrrole chromophores: binding specificity and photochemistry. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006 , 1757, 750-63	4.6	16
89	Temperature broadening of LH2 absorption in glycerol solution. <i>Photosynthesis Research</i> , 2005 , 86, 49-59	3.7	16
88	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	2.8	16
87	Conformational switching in a light-harvesting protein as followed by single-molecule spectroscopy. <i>Biophysical Journal</i> , 2015 , 108, 2713-20	2.9	15
86	Membrane-associated c-type cytochromes from the green sulfur bacterium <i>Chlorobium limicola</i> forma thiosulfatophilum: purification and characterization of cytochrome c553. <i>Biochemistry</i> , 1997 , 36, 1927-32	3.2	15
85	Hydrophobic pockets at the membrane interface: an original mechanism for membrane protein interactions. <i>Biochemistry</i> , 2004 , 43, 1276-82	3.2	15
84	Role of the C-terminal extrinsic region of the alpha polypeptide of the light-harvesting 2 complex of <i>Rhodobacter sphaeroides</i> : a domain swap study. <i>Biochemistry</i> , 2003 , 42, 15114-23	3.2	15
83	Tuning antenna function through hydrogen bonds to chlorophyll a. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020 , 1861, 148078	4.6	15
82	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	4.6	14
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