

# Bruno Robert

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Electronic and Vibrational Properties of Allene Carotenoids.. <i>Journal of Physical Chemistry A</i> , <b>2022</b> ,   | 2.8 | 1         |
| 218 | Pigment structure in the light-harvesting protein of the siphonous green alga <i>Codium fragile</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2021</b> , 1862, 148384                      | 4.6 | 1         |
| 217 | Confronting FCP structure with ultrafast spectroscopy data: evidence for structural variations. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 806-821                                       | 3.6 | 3         |
| 216 | Singlet fission in naturally-organized carotenoid molecules. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 4768-4776  | 3.6 | 3         |
| 215 | A new, unquenched intermediate of LHCII. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100322  | 5.4 | 3         |
| 214 | Modeling Dynamic Conformations of Organic Molecules: Alkyne Carotenoids in Solution. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 2792-2801   | 2.8 | 3         |
| 213 | A Genetic Toolbox for the New Model Cyanobacterium PCC 7425: A Case Study for the Photosynthetic Production of Limonene. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 586601                         | 5.7 | 5         |
| 212 | Tuning antenna function through hydrogen bonds to chlorophyll a. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2020</b> , 1861, 148078   | 4.6 | 15        |
| 211 | Carotenoid composition and conformation in retinal oil droplets of the domestic chicken. <i>PLoS ONE</i> , <b>2019</b> , 14, e0217418  | 3.7 | 2         |
| 210 | Two-dimensional spectroscopy for non-specialists. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2019</b> , 1860, 271-285   | 4.6 | 32        |
| 209 | Lycopene crystalloids exhibit singlet exciton fission in tomatoes. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 8640-8646  | 3.6 | 11        |
| 208 | Apoprotein heterogeneity increases spectral disorder and a step-wise modification of the B850 fluorescence peak position. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2018</b> , 1859, 137-144 | 4.6 | 2         |
| 207 | Binding of pigments to the cyanobacterial high-light-inducible protein HliC. <i>Photosynthesis Research</i> , <b>2018</b> , 137, 29-39   | 3.7 | 25        |
| 206 | Site, trigger, quenching mechanism and recovery of non-photochemical quenching in cyanobacteria: recent updates. <i>Photosynthesis Research</i> , <b>2018</b> , 137, 171-180                                 | 3.7 | 8         |
| 205 | Pigment configuration in the light-harvesting protein of the xanthophyte alga <i>Xanthonema debile</i> . <i>Photosynthesis Research</i> , <b>2018</b> , 138, 139-148   | 3.7 | 7         |
| 204 | Energy transfer and trapping in <i>Synechococcus</i> WH 7803. <i>Photosynthesis Research</i> , <b>2018</b> , 135, 115-124  | 3.7 | 9         |
| 203 | Picosecond excitation energy transfer of allophycocyanin studied in solution and in crystals. <i>Photosynthesis Research</i> , <b>2018</b> , 135, 79-86  | 3.7 | 5         |

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|-----|--|------|----|
| 202 | 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> , <b>2017</b> , 35, 159-181  | 3.6  | 3  |
| 201 | Twisting a $\beta$ -Carotene, an Adaptive Trick from Nature for Dissipating Energy during Photoprotection. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 1396-1403   | 5.4  | 29 |
| 200 | Metal Cations Induced $\beta$ -Chl a Heterogeneity in LH1 as Revealed by Temperature-Dependent Fluorescence Splitting. <i>ChemPhysChem</i> , <b>2017</b> , 18, 2295-2301   | 3.2  | 4  |
| 199 | Electronic and vibrational properties of carotenoids: from to. <i>Journal of the Royal Society Interface</i> , <b>2017</b> , 14,   | 4.1  | 53 |
| 198 | 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> , <b>2017</b> , 114, E5513-E5521   | 11.5 | 17 |
| 197 | Pigment structure in the violaxanthin-chlorophyll-a-binding protein VCP. <i>Photosynthesis Research</i> , <b>2017</b> , 134, 51-58   | 3.7  | 14 |
| 196 | Pigment structure in the FCP-like light-harvesting complex from <i>Chromera velia</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2016</b> , 1857, 1759-1765   | 4.6  | 14 |
| 195 | Probing the pigment binding sites in LHCII with resonance Raman spectroscopy: The effect of mutations at S123. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2016</b> , 1857, 1490-1496  | 4.6  | 3  |
| 194 | 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> , <b>2015</b> , 1847, 1187-99 | 4.6  | 2  |
| 193 | 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> , <b>2015</b> , 1090, 58-64   | 3.4  | 7  |
| 192 | Theory of Triplet Excitation Transfer in the Donor-Oxygen-Acceptor System: Application to Cytochrome b6f. <i>Biophysical Journal</i> , <b>2015</b> , 109, 1735-45  | 2.9  | 5  |
| 191 | Coherence and population dynamics of chlorophyll excitations in FCP complex: Two-dimensional spectroscopy study. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 212414  | 3.9  | 24 |
| 190 | Resonance Raman spectra of carotenoid molecules: influence of methyl substitutions. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 56-66  | 2.8  | 37 |
| 189 | Mapping energy transfer channels in fucoxanthin-chlorophyll protein complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2015</b> , 1847, 241-247  | 4.6  | 45 |
| 188 | Vibrational techniques applied to photosynthesis: Resonance Raman and fluorescence line-narrowing. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2015</b> , 1847, 12-8   | 4.6  | 28 |
| 187 | Structure and Conformation of the Carotenoids in Human Retinal Macular Pigment. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135779   | 3.7  | 19 |
| 186 | Conformational switching in a light-harvesting protein as followed by single-molecule spectroscopy. <i>Biophysical Journal</i> , <b>2015</b> , 108, 2713-20  | 2.9  | 15 |
| 185 | Echinenone vibrational properties: From solvents to the orange carotenoid protein. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2015</b> , 1847, 1044-54  | 4.6  | 33 |

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|-----|---|-----|----|
| 184 | Probing the carotenoid content of intact <i>Cyclotella</i> cells by resonance Raman spectroscopy. <i>Photosynthesis Research</i> , <b>2014</b> , 119, 273-81  | 3.7 | 30 |
| 183 | Light-dependent conformational change of neoxanthin in a siphonous green alga, <i>Codium intricatum</i> , revealed by Raman spectroscopy. <i>Photosynthesis Research</i> , <b>2014</b> , 121, 69-77   | 3.7 | 16 |
| 182 | Resonance Raman spectra and electronic transitions in carotenoids: a density functional theory study. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 1817-25   | 2.8 | 46 |
| 181 | Fermi resonance as a tool for probing peridinin environment. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 5873-81  | 3.4 | 22 |
| 180 | Antenna Protein Conformational Changes Revealed by Resonance Raman Spectroscopy. <i>Advances in Photosynthesis and Respiration</i> , <b>2014</b> , 245-257  | 1.7 | 1  |
| 179 | Electronic absorption and ground state structure of carotenoid molecules. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 11015-21  | 3.4 | 77 |
| 178 | Artificial Photosynthesis for Solar Fuels An Evolving Research Field within AMPEA, a Joint Programme of the European Energy Research Alliance. <i>Green</i> , <b>2013</b> , 3,  |     | 56 |
| 177 | Excitons in the LH3 complexes from purple bacteria. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 11058-68,   | 3.4 | 13 |
| 176 | Ultrafast Energy Transfer from Chlorophyll c2 to Chlorophyll a in Fucoxanthin-Chlorophyll Protein Complex. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 3590-3595  | 6.4 | 28 |
| 175 | Energy transfer and trapping in red-chlorophyll-free photosystem I from <i>Synechococcus</i> WH 7803. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 11176-83  | 3.4 | 24 |
| 174 | Mechanisms underlying carotenoid absorption in oxygenic photosynthetic proteins. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 18758-65   | 5.4 | 32 |
| 173 | Exciton band structure in bacterial peripheral light-harvesting complexes. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 5192-8   | 3.4 | 17 |
| 172 | Variation in carotenoid-protein interaction in bird feathers produces novel plumage coloration. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 3338-50  | 4.1 | 40 |
| 171 | Molecular adaptation of photoprotection: triplet states in light-harvesting proteins. <i>Biophysical Journal</i> , <b>2011</b> , 101, 934-42  | 2.9 | 48 |
| 170 | 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> , <b>2011</b> , 13, 12614-22 | 3.6 | 24 |
| 169 | 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> , <b>2011</b> , 286, 27247-54  | 5.4 | 58 |
| 168 | Origin of absorption changes associated with photoprotective energy dissipation in the absence of zeaxanthin. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 91-8  | 5.4 | 23 |
| 167 | Enzyme activation and catalysis: characterisation of the vibrational modes of substrate and product in protochlorophyllide oxidoreductase. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 2307-13                                 | 3.6 | 9  |

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| 166 | 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> , <b>2010</b> , 285, 16032-41 | 5.4  | 36  |
| 165 | The disulfide bonds in glycoprotein E2 of hepatitis C virus reveal the tertiary organization of the molecule. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1000762   | 7.6  | 187 |
| 164 | Measurement of long-range interatomic distances by solid-state tritium-NMR spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 1734-5  | 16.4 | 10  |
| 163 | Structural and spectroscopic consequences of hexacoordination of a bacteriochlorophyll cofactor in the <i>Rhodobacter sphaeroides</i> reaction center. <i>Biochemistry</i> , <b>2010</b> , 49, 1882-92                          | 3.2  | 20  |
| 162 | Fluorescence line narrowing studies on isolated chlorophyll molecules. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 2255-60  | 3.4  | 13  |
| 161 | Electronic and protein structural dynamics of a photosensory histidine kinase. <i>Biochemistry</i> , <b>2010</b> , 49, 4752-9   | 3.2  | 18  |
| 160 | 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> , <b>2010</b> , 1797, 1647-56           | 4.6  | 76  |
| 159 | Spectral dependence of energy transfer in wild-type peripheral light-harvesting complexes of photosynthetic bacteria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2010</b> , 1797, 1465-9                         | 4.6  | 10  |
| 158 | Resonance Raman spectroscopy. <i>Photosynthesis Research</i> , <b>2009</b> , 101, 147-55  | 3.7  | 118 |
| 157 | Third-order optical nonlinearity of $\beta$ -carotene homologues. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2009</b> , 6, S31-S33  |      | 2   |
| 156 | Ultrafast optical responses of $\beta$ -carotene and lycopene probed by sub-20-fs time-resolved coherent spectroscopy. <i>Journal of Luminescence</i> , <b>2009</b> , 129, 1808-1812  | 3.8  | 5   |
| 155 | Carotenoid structures and environments in trimeric and oligomeric fucoxanthin chlorophyll a/c2 proteins from resonance Raman spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 12565-74                 | 3.4  | 79  |
| 154 | Spectroscopic Properties of Antenna Complexes from Purple Bacteria. <i>Advances in Photosynthesis and Respiration</i> , <b>2009</b> , 199-212   | 1.7  | 8   |
| 153 | Specific Channel of Energy Dissipation in Carotenoids: Coherent Spectroscopic Study. <i>Springer Series in Chemical Physics</i> , <b>2009</b> , 367-369   | 0.3  |     |
| 152 | The peripheral light-harvesting complexes from purple sulfur bacteria have different Ring Sizes. <i>FEBS Letters</i> , <b>2008</b> , 582, 3650-6  | 3.8  | 34  |
| 151 | A photoactive carotenoid protein acting as light intensity sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 12075-80   | 11.5 | 255 |
| 150 | The role of aromatic phenylalanine residues in binding carotenoid to light-harvesting model and wild-type complexes. <i>Journal of Molecular Biology</i> , <b>2008</b> , 382, 154-66  | 6.5  | 10  |
| 149 | Perturbation of the ground-state electronic structure of FMN by the conserved cysteine in phototropin LOV2 domains. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 6693-702                                     | 3.6  | 26  |

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| 148 | Static and dynamic protein impact on electronic properties of light-harvesting complex LH2. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 15883-92   | 3-4  | 35  |
| 147 | Energy dissipation in the ground-state vibrational manifolds of $\beta$ -carotene homologues: A sub-20-fs time-resolved transient grating spectroscopic study. <i>Physical Review B</i> , <b>2008</b> , 77,  | 3-3  | 29  |
| 146 | Large third-order optical nonlinearity realized in symmetric nonpolar carotenoids. <i>Physical Review B</i> , <b>2008</b> , 78,  | 3-3  | 6   |
| 145 | Phototrophic purple sulfur bacteria as heat engines in the South Andros Black Hole. <i>Photosynthesis Research</i> , <b>2008</b> , 95, 261-8   | 3-7  | 10  |
| 144 | Fine tuning of the spectral properties of LH2 by single amino acid residues. <i>Photosynthesis Research</i> , <b>2008</b> , 96, 145-51   | 3-7  | 6   |
| 143 | Self-assembly of the octapeptide lanreotide and lanreotide-based derivatives: the role of the aromatic residues. <i>Journal of Peptide Science</i> , <b>2008</b> , 14, 66-75   | 2-1  | 19  |
| 142 | Thermodynamics of the beta(2) association in light-harvesting complex I of <i>Rhodospirillum rubrum</i> . Implication of peptide identity in dimer stability. <i>FEBS Journal</i> , <b>2008</b> , 275, 1240-7  | 5-7  | 1   |
| 141 | Elevated zeaxanthin bound to oligomeric LHCII enhances the resistance of <i>Arabidopsis</i> to photooxidative stress by a lipid-protective, antioxidant mechanism. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 22605-18                          | 5-4  | 134 |
| 140 | Solvation effect of bacteriochlorophyll excitons in light-harvesting complex LH2. <i>Biophysical Journal</i> , <b>2007</b> , 93, 2188-98   | 2-9  | 27  |
| 139 | Identification of a mechanism of photoprotective energy dissipation in higher plants. <i>Nature</i> , <b>2007</b> , 450, 575-8   | 50-4 | 719 |
| 138 | Structural role of (bacterio)chlorophyll ligated in the energetically unfavorable beta-position. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 10626-34  | 5-4  | 20  |
| 137 | Myoglobin with modified tetrapyrrole chromophores: binding specificity and photochemistry. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2006</b> , 1757, 750-63   | 4-6  | 16  |
| 136 | Carotenoid stoichiometry in the LH2 crystal: no spectral evidence for the presence of the second molecule in the alpha/beta-apoprotein dimer. <i>FEBS Letters</i> , <b>2006</b> , 580, 3841-4  | 3-8  | 18  |
| 135 | Binding of bufuralol, dextromethorphan, and 3,4-methylenedioxymethylamphetamine to wild-type and F120A mutant cytochrome P450 2D6 studied by resonance Raman spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 343, 772-9 | 3-4  | 17  |
| 134 | Molecular basis of photoprotection and control of photosynthetic light-harvesting. <i>Nature</i> , <b>2005</b> , 436, 134-7  | 50-4 | 510 |
| 133 | Temperature broadening of LH2 absorption in glycerol solution. <i>Photosynthesis Research</i> , <b>2005</b> , 86, 49-59,7  | 3-7  | 16  |
| 132 | Preferential incorporation of coloured-carotenoids occurs in the LH2 complexes from non-sulphur purple bacteria under carotenoid-limiting conditions. <i>Photosynthesis Research</i> , <b>2005</b> , 86, 25-35   | 3-7  | 36  |
| 131 | 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> , <b>2005</b> , 280, 27155-64   | 5-4  | 43  |



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| 130 | Hydrogen bonding in a model bacteriochlorophyll-binding site drives assembly of light harvesting complex. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 15067-75   | 5.4  | 22  |
| 129 | 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> , <b>2004</b> , 279, 5162-8   | 5.4  | 29  |
| 128 | Hydrophobic pockets at the membrane interface: an original mechanism for membrane protein interactions. <i>Biochemistry</i> , <b>2004</b> , 43, 1276-82  | 3.2  | 15  |
| 127 | Insights into the molecular dynamics of plant light-harvesting proteins in vivo. <i>Trends in Plant Science</i> , <b>2004</b> , 9, 385-90  | 13.1 | 81  |
| 126 | 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> , <b>2004</b> , 560, 221-5  | 3.8  | 8   |
| 125 | Self-association process of a peptide in solution: from beta-sheet filaments to large embedded nanotubes. <i>Biophysical Journal</i> , <b>2004</b> , 86, 2484-501  | 2.9  | 52  |
| 124 | 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> , <b>2003</b> , 100, 10258-62   | 11.5 | 219 |
| 123 | Membrane protein stability: high pressure effects on the structure and chromophore-binding properties of the light-harvesting complex LH2. <i>Biochemistry</i> , <b>2003</b> , 42, 13019-26  | 3.2  | 33  |
| 122 | The H-NS dimerization domain defines a new fold contributing to DNA recognition. <i>Nature Structural and Molecular Biology</i> , <b>2003</b> , 10, 212-8  | 17.6 | 116 |
| 121 | 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> , <b>2003</b> , 107, 5642-5649 | 3.4  | 106 |
| 120 | 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> , <b>2003</b> , 42, 7252-8  | 3.2  | 33  |
| 119 | Oxidation of the two beta-carotene molecules in the photosystem II reaction center. <i>Biochemistry</i> , <b>2003</b> , 42, 1008-15  | 3.2  | 60  |
| 118 | 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> , <b>2003</b> , 42, 15114-23   | 3.2  | 15  |
| 117 | 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> , <b>2003</b> , 1607, 19-26  | 4.6  | 17  |
| 116 | AFM characterization of tilt and intrinsic flexibility of <i>Rhodobacter sphaeroides</i> light harvesting complex 2 (LH2). <i>Journal of Molecular Biology</i> , <b>2003</b> , 325, 569-80   | 6.5  | 76  |
| 115 | Recombinant Lhca2 and Lhca3 subunits of the photosystem I antenna system. <i>Biochemistry</i> , <b>2003</b> , 42, 4226-34  | 3.2  | 82  |
| 114 | In the unicellular red alga <i>Rhodella violacea</i> iron deficiency induces an accumulation of uncoupled LHC. <i>Plant and Cell Physiology</i> , <b>2003</b> , 44, 1141-51  | 4.9  | 18  |
| 113 | Nanodissection and high-resolution imaging of the <i>Rhodospseudomonas viridis</i> 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> , <b>2003</b> , 100, 1690-3                   | 11.5 | 222 |

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| 112 | The Light-Harvesting System of Purple Bacteria. <i>Advances in Photosynthesis and Respiration</i> , <b>2003</b> , 169-194  | 39       |
| 111 | Steady-state spectroscopy of zinc-bacteriopheophytin containing LH1 in vitro and in silico study. <i>Chemical Physics</i> , <b>2002</b> , 275, 31-45   | 2.3 4    |
| 110 | Molecular configuration of xanthophyll cycle carotenoids in photosystem II antenna complexes. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 42937-42   | 5.4 59   |
| 109 | The degree of oligomerization of the H-NS nucleoid structuring protein is related to specific binding to DNA. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 41657-66   | 5.4 71   |
| 108 | A structural investigation of the central chlorophyll a binding sites in the minor photosystem II antenna protein, Lhcb4. <i>Biochemistry</i> , <b>2002</b> , 41, 2305-10  | 3.2 10   |
| 107 | Structural Asymmetry of Bacterial Reaction Centers: A Qy Resonant Raman Study of the Monomer Bacteriochlorophylls. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 3605-3613   | 2.8 16   |
| 106 | Pheophytin-protein interactions in photosystem II studied by resonance Raman spectroscopy of modified reaction centers. <i>Biochemistry</i> , <b>2002</b> , 41, 11449-55   | 3.2 14   |
| 105 | Biochemical characterization of the dissociated forms from the core antenna proteins from purple bacteria. <i>Biochemistry</i> , <b>2002</b> , 41, 11812-9   | 3.2 11   |
| 104 | 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> , <b>2002</b> , 106, 6303-6309   | 3.4 10   |
| 103 | Activation of zeaxanthin is an obligatory event in the regulation of photosynthetic light harvesting. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 7785-9   | 5.4 86   |
| 102 | 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> , <b>2002</b> , 99, 16331-5   | 11.5 105 |
| 101 | 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> , <b>2002</b> , 1554, 75-93 | 4.6 34   |
| 100 | The reaction order of the dissociation reaction of the B820 subunit of <i>Rhodospirillum rubrum</i> light-harvesting I complex. <i>FEBS Letters</i> , <b>2002</b> , 516, 40-2  | 3.8 11   |
| 99  | 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> , <b>2002</b> , 527, 171-5  | 3.8 27   |
| 98  | Spectroscopic characterisation of a tetrameric subunit form of the core antenna protein from <i>Rhodospirillum rubrum</i> . <i>FEBS Letters</i> , <b>2002</b> , 528, 222-6   | 3.8 7    |
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