

# Rafael Picorel

## List of Publications by Year in descending order

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119  
papers

3,203  
citations

136950

32  
h-index

175258

52  
g-index

119  
all docs

119  
docs citations

119  
times ranked

2072  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Role of Lipids and Fatty Acids in the Maintenance of Photosynthesis and the Assembly of Photosynthetic Complexes During Photosystem II Turnover. <i>Advances in Photosynthesis and Respiration</i> , 2021, , 395-427.   | 1.0 | 0         |
| 2  | Effects of Chlorophyll Triplet States on the Kinetics of Spectral Hole Growth. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3278-3285.   | 2.6 | 0         |
| 3  | Different Cis-Regulatory Elements Control the Tissue-Specific Contribution of Plastid $\Delta^3$ Desaturases to Wounding and Hormone Responses. <i>Frontiers in Plant Science</i> , 2021, 12, 727292.   | 3.6 | 6         |
| 4  | Functional analysis of $\Delta^2$ -ketoacyl-CoA synthase from biofuel feedstock <i>Thlaspi arvense</i> reveals differences in the triacylglycerol biosynthetic pathway among Brassicaceae. <i>Plant Molecular Biology</i> , 2020, 104, 283-296.                     | 3.9 | 6         |
| 5  | New Perspectives on Photosystem II Reaction Centres. <i>Australian Journal of Chemistry</i> , 2020, 73, 669.  | 0.9 | 6         |
| 6  | Tissue Distribution and Specific Contribution of Arabidopsis FAD7 and FAD8 Plastid Desaturases to the JA- and ABA-Mediated Cold Stress or Defense Responses. <i>Plant and Cell Physiology</i> , 2019, 60, 1025-1040.  | 3.1 | 22        |
| 7  | Evidence of Simultaneous Spectral Hole Burning Involving Two Tiers of the Protein Energy Landscape in Cytochrome <i>b<sub>6</sub>f</i> . <i>Journal of Physical Chemistry B</i> , 2019, 123, 10930-10938.   | 2.6 | 3         |
| 8  | A simple and efficient method to prepare pure dimers and monomers of the cytochrome <i>b<sub>6</sub>f</i> complex from spinach. <i>Photosynthesis Research</i> , 2017, 132, 305-309.  | 2.9 | 2         |
| 9  | Probing Energy Landscapes of Cytochrome <i>b<sub>6</sub>f</i> with Spectral Hole Burning: Effects of Deuterated Solvent and Detergent. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9848-9858.   | 2.6 | 5         |
| 10 | Identification of target genes and processes involved in erucic acid accumulation during seed development in the biodiesel feedstock <i>Pennycress</i> ( <i>Thlaspi arvense</i> L.). <i>Journal of Plant Physiology</i> , 2017, 208, 7-16.                          | 3.5 | 26        |
| 11 | Editorial: Molecular Basis of the Response of Photosynthetic Apparatus to Light and Temperature Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 288.   | 3.6 | 6         |
| 12 | The lowest-energy chlorophyll of photosystem II is adjacent to the peripheral antenna: Emitting states of CP47 assigned via circularly polarized luminescence. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1580-1593.                        | 1.0 | 30        |
| 13 | Circularly polarized luminescence spectroscopy reveals low-energy excited states and dynamic localization of vibronic transitions in CP43. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 115-128.  | 1.0 | 36        |
| 14 | Does the Singlet Minus Triplet Spectrum with Major Photobleaching Band Near 680â€“682 nm Represent an Intact Reaction Center of Photosystem II?. <i>Journal of Physical Chemistry B</i> , 2015, 119, 448-455.   | 2.6 | 5         |
| 15 | Non-redundant Contribution of the Plastidial FAD8 $\Delta^3$ Desaturase to Glycerolipid Unsaturation at Different Temperatures in Arabidopsis. <i>Molecular Plant</i> , 2015, 8, 1599-1611.   | 8.3 | 48        |
| 16 | In vivo reconstitution of a homodimeric cytochrome <i>b<sub>559</sub></i> like structure: The role of the N-terminus $\Delta^2$ -subunit from <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 152, 308-317. | 3.8 | 0         |
| 17 | Conformational Changes in Pigmentâ€“Protein Complexes at Low Temperaturesâ€“Spectral Memory and a Possibility of Cooperative Effects. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6930-6940.  | 2.6 | 10        |
| 18 | Regulation of the chloroplastic copper chaperone (CCS) and cuprozinc superoxide dismutase (CSD2) by alternative splicing and copper excess in <i>Glycine max</i> . <i>Functional Plant Biology</i> , 2014, 41, 144.   | 2.1 | 12        |

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|----|--|------|-----------|
| 19 | A temporal regulatory mechanism controls the different contribution of endoplasmic reticulum and plastidial $\omega$ -3 desaturases to trienoic fatty acid content during leaf development in soybean ( <i>Glycine</i> ) Tj ETQq1 1 0.7843149gBT /Over | 4.8  | 81        |
| 20 | Contribution of the different omega-3 fatty acid desaturase genes to the cold response in soybean. <i>Journal of Experimental Botany</i> , 2012, 63, 4973-4982.  | 4.8  | 81        |
| 21 | Reconstitution, spectroscopy, and redox properties of the photosynthetic recombinant cytochrome b 559 from higher plants. <i>Photosynthesis Research</i> , 2012, 112, 193-204.   | 2.9  | 4         |
| 22 | Spectral Hole Burning, Recovery, and Thermocycling in Chlorophyllâ€Protein Complexes: Distributions of Barriers on the Protein Energy Landscape. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11780-11790.                                      | 2.6  | 20        |
| 23 | Site Energies of Active and Inactive Pheophytins in the Reaction Center of Photosystem II from <i>Chlamydomonas reinhardtii</i> . <i>Journal of Physical Chemistry B</i> , 2012, 116, 3890-3899.   | 2.6  | 24        |
| 24 | Characterization of the recombinant copper chaperone (CCS) from the plant <i>Glycine</i> ( <i>G.</i> ) max.. <i>Metallomics</i> , 2011, 3, 169.  | 2.4  | 5         |
| 25 | Effects of the Distributions of Energy or Charge Transfer Rates on Spectral Hole Burning in Pigmentâ€Protein Complexes at Low Temperatures. <i>Journal of Physical Chemistry B</i> , 2011, 115, 15098-15109.   | 2.6  | 17        |
| 26 | Parameters of the Protein Energy Landscapes of Several Light-Harvesting Complexes Probed via Spectral Hole Growth Kinetics Measurements. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2737-2747.  | 2.6  | 16        |
| 27 | Spectroscopic Study of the CP43â€² Complex and the PSIâ€CP43â€² Supercomplex of the Cyanobacterium <i>Synechocystis</i> PCC 6803. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13339-13349.   | 2.6  | 33        |
| 28 | Isolation of Photosystem II Reaction Center Complexes from Plants. <i>Methods in Molecular Biology</i> , 2011, 684, 17-27.   | 0.9  | 3         |
| 29 | Isolation and Purification of CP43 and CP47 Photosystem II Proximal Antenna Complexes from Plants. <i>Methods in Molecular Biology</i> , 2011, 684, 105-112.   | 0.9  | 5         |
| 30 | The GmFAD7 gene family from soybean: identification of novel genes and tissue-specific conformations of the FAD7 enzyme involved in desaturase activity. <i>Journal of Experimental Botany</i> , 2010, 61, 3371-3384.                                  | 4.8  | 31        |
| 31 | Insight into the Electronic Structure of the CP47 Antenna Protein Complex of Photosystem II: Hole Burning and Fluorescence Study. <i>Journal of the American Chemical Society</i> , 2010, 132, 4214-4229.  | 13.7 | 39        |
| 32 | <sup>1</sup> H Hyperfine Interactions in the Mn-Cluster of Photosystem II in the S <sub>2</sub> State Detected by Hyperfine Sublevel Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15345-15353.                        | 2.6  | 7         |
| 33 | The CP43 Proximal Antenna Complex of Higher Plant Photosystem II Revisited: Modeling and Hole Burning Study. I. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9921-9933.   | 2.6  | 39        |
| 34 | In Situ Molecular Identification of the Plastid $\omega$ -3 Fatty Acid Desaturase FAD7 from Soybean: Evidence of Thylakoid Membrane Localization. <i>Plant Physiology</i> , 2007, 145, 1336-1344.  | 4.8  | 32        |
| 35 | Identification and subcellular localization of the soybean copper P1B-ATPase GmHMA8 transporter. <i>Journal of Structural Biology</i> , 2007, 158, 46-58.  | 2.8  | 40        |
| 36 | Changes in photosynthetic electron transfer and state transitions in an herbicide-resistant D1 mutant from soybean cell cultures. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 694-702.  | 1.0  | 7         |

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|----|---|------|-----------|
| 37 | Selective Photobleaching of Chlorophylls and Carotenoids in Photosystem I Particles under High-Light Treatment. <i>Photochemistry and Photobiology</i> , 2007, 83, 1301-1307.   | 2.5  | 26        |
| 38 | Foliar and root Cu supply affect differently Fe- and Zn-uptake and photosynthetic activity in soybean plants. <i>Environmental and Experimental Botany</i> , 2007, 60, 145-150.   | 4.2  | 52        |
| 39 | Resonance Raman and Surface-Enhanced Resonance Raman Spectra of LH2 Antenna Complex from <i>Rhodobacter sphaeroides</i> and <i>Ectothiorhodospira</i> sp. Excited in the Q <sub>x</sub> and Q <sub>y</sub> Transitions. <i>Photochemistry and Photobiology</i> , 2007, 71, 589-595. | 2.5  | 0         |
| 40 | A light-sensitive mechanism differently regulates transcription and transcript stability of $\Delta^3$ fatty-acid desaturases (FAD3, FAD7 and FAD8) in soybean photosynthetic cell suspensions. <i>FEBS Letters</i> , 2006, 580, 4934-4940.   | 2.8  | 51        |
| 41 | Photophysical Behavior and Assignment of the Low-Energy Chlorophyll States in the CP43 Proximal Antenna Protein of Higher Plant Photosystem II. <i>Biochemistry</i> , 2006, 45, 12345-12357.  | 2.5  | 42        |
| 42 | Excess copper effect on growth, chloroplast ultrastructure, oxygen-evolution activity and chlorophyll fluorescence in <i>Glycine max</i> cell suspensions. <i>Physiologia Plantarum</i> , 2006, 127, 312-325.   | 5.2  | 43        |
| 43 | Copper effect on cytochrome b559 of photosystem II under photoinhibitory conditions. <i>Physiologia Plantarum</i> , 2004, 120, 686-694.   | 5.2  | 23        |
| 44 | Photoinhibition and recovery in a herbicide-resistant mutant from <i>Glycine max</i> (L.) Merr. cell cultures deficient in fatty acid unsaturation. <i>Planta</i> , 2004, 219, 428-39.  | 3.2  | 12        |
| 45 | Photobleaching of photosynthetic pigments in spinach thylakoid membranes. Effect of temperature, oxygen and DCMU. <i>Biophysical Chemistry</i> , 2004, 107, 25-32.  | 2.8  | 13        |
| 46 | Low-temperature spectroscopy of fully active PSII cores. Comparisons with CP43, CP47, D1/D2/cyt b559 fragments. <i>Journal of Luminescence</i> , 2004, 108, 97-100.   | 3.1  | 23        |
| 47 | Photo-conversion of chlorophylls in higher-plant CP43 characterized by persistent spectral hole burning at 1.7K. <i>Journal of Luminescence</i> , 2004, 108, 131-136.   | 3.1  | 26        |
| 48 | Isolation of Photosystem II Reaction Center Complexes From Plants. , 2004, 274, 053-062.  |      | 1         |
| 49 | Isolation of CP43 and CP47 Photosystem II Proximal Antenna Complexes From Plants. , 2004, 274, 129-136.   |      | 2         |
| 50 | Different kinetics of photoinactivation of photosystem I-mediated electron transport and P700 in isolated thylakoid membranes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003, 69, 41-48.  | 3.8  | 5         |
| 51 | Cytochrome b559 content in isolated photosystem II reaction center preparations. <i>FEBS Journal</i> , 2003, 270, 2268-2273.  | 0.2  | 2         |
| 52 | HYSORE Spectroscopy in the Cytochrome b559 of the Photosystem II Reaction Center. <i>Journal of the American Chemical Society</i> , 2003, 125, 15846-15854.   | 13.7 | 55        |
| 53 | How Fast Is Excitation Energy Transfer in the Photosystem II Reaction Center in the Low Temperature Limit? Hole Burning vs Photon Echo. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2862-2866.  | 2.6  | 13        |
| 54 | Primary Charge-Separation Rate at 5 K in Isolated Photosystem II Reaction Centers Containing Five and Six Chlorophyll a Molecules. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2068-2074.   | 2.6  | 14        |

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|----|--|-----|-----------|
| 55 | Detergent effect on Cytochrome b559 electron paramagnetic resonance signals in the photosystem II reaction centre. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 437-442.   | 2.9 | 8         |
| 56 | Increased tolerance to thermal inactivation of oxygen evolution in spinach Photosystem II membranes by substitution of the extrinsic 33-kDa protein by its homologue from a thermophilic cyanobacterium. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1554, 29-35. | 1.0 | 14        |
| 57 | Spin label electron paramagnetic resonance study in thylakoid membranes from a new herbicide-resistant D1 mutant from soybean cell cultures deficient in fatty acid desaturation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1515, 55-63.                         | 2.6 | 9         |
| 58 | Alkaline Denaturation of the Light-Harvesting Complex II from the Purple Bacterium <i>Ectothiorhodospira</i> Sp.: Kinetic Evidence of the Existence of the 780 nm Upper Exciton Component of the B850 Bacteriochlorophylls. <i>Biochemistry</i> , 2001, 40, 2894-2900.             | 2.5 | 1         |
| 59 | Unusual tolerance to high temperatures in a new herbicide-resistant D1 mutant from <i>Glycine max</i> (L.) Merr. cell cultures deficient in fatty acid desaturation. <i>Planta</i> , 2001, 212, 573-582.   | 3.2 | 94        |
| 60 | Light-induced absorption spectra of the D1-D2-cytochrome b 559 complex of Photosystem II: Effect of methyl viologen concentration. <i>Photosynthesis Research</i> , 2001, 67, 199-206.   | 2.9 | 10        |
| 61 | A Study on the Heterogeneity of the Light-Harvesting Complex II from <i>Ectothiorhodospira</i> sp. after Acid/Chaotropic Treatment. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2000, 55, 943-947.  | 1.4 | 0         |
| 62 | Effects of acid pH and urea on the spectral properties of the LHIII antenna complex from the photosynthetic bacterium <i>Ectothiorhodospira</i> sp.. <i>FEBS Journal</i> , 2000, 267, 3235-3243.   | 0.2 | 9         |
| 63 | Copper effect on the protein composition of photosystem II. <i>Physiologia Plantarum</i> , 2000, 110, 551-557.   | 5.2 | 55        |
| 64 | Periplasmic electron carriers and photo-induced electron transfer in the photosynthetic bacterium <i>Ectothiorhodospira</i> sp. <i>Photosynthesis Research</i> , 2000, 65, 53-62.  | 2.9 | 0         |
| 65 | Absorption Properties of the Carotenoids after Alkaline Denaturation of the Light-Harvesting Complex II from <i>Ectothiorhodospira</i> sp.. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2000, 55, 576-581.  | 1.4 | 0         |
| 66 | Resonance Raman and Surface-Enhanced Resonance Raman Spectra of LH2 Antenna Complex from <i>Rhodobacter sphaeroides</i> and <i>Ectothiorhodospira</i> sp. Excited in the Qx and Qy Transitions. <i>Photochemistry and Photobiology</i> , 2000, 71, 589.                            | 2.5 | 10        |
| 67 | The CP43 Core Antenna Complex of Photosystem II Possesses Two Quasi-Degenerate and Weakly Coupled Qy-Trap States. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11805-11815.   | 2.6 | 58        |
| 68 | Copper effect on the protein composition of photosystem II. <i>Physiologia Plantarum</i> , 2000, 110, 551-557.   | 5.2 | 1         |
| 69 | Effect of the pH on the absorption spectrum of the isolated D1-D2-cytochrome b559 complex of photosystem II. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1999, 50, 129-136.   | 3.8 | 6         |
| 70 | Excited States of the 5-Chlorophyll Photosystem II Reaction Center. <i>Journal of Physical Chemistry B</i> , 1999, 103, 9759-9769.   | 2.6 | 48        |
| 71 | Spectral Changes Induced by Alkaline pH and Specific Chemical Modification of Amino Acid Residues in the Light-Harvesting II Antenna Complex from <i>Ectothiorhodospira</i> sp.. <i>Photochemistry and Photobiology</i> , 1999, 69, 275-281.                                       | 2.5 | 0         |
| 72 | Spectral Changes Induced by Alkaline pH and Specific Chemical Modification of Amino Acid Residues in the Light-Harvesting II Antenna Complex from <i>Ectothiorhodospira</i> sp.. <i>Photochemistry and Photobiology</i> , 1999, 69, 275.   | 2.5 | 4         |

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|----|---|-----|-----------|
| 73 | The Configuration of $\beta$ -Carotene in the Photosystem II Reaction Center. <i>Photochemistry and Photobiology</i> , 1998, 68, 729-737.   | 2.5 | 16        |
| 74 | Effect of bicarbonate on the S2 multiline EPR signal of the oxygen-evolving complex in photosystem II membrane fragments. <i>FEBS Letters</i> , 1998, 424, 146-148.   | 2.8 | 17        |
| 75 | Surface-Enhanced Resonance Raman Scattering Spectroscopy of Plant Photosystem II Reaction Centers Excited on the Red-Edge of the QyBand. <i>Journal of Physical Chemistry B</i> , 1998, 102, 2609-2613.   | 2.6 | 18        |
| 76 | The Configuration of $\beta$ -Carotene in the Photosystem II Reaction Center. <i>Photochemistry and Photobiology</i> , 1998, 68, 729.   | 2.5 | 3         |
| 77 | Characterization of the Light-Harvesting Antennas of Photosynthetic Purple Bacteria by Stark Spectroscopy. 2. LH2 Complexes: Influence of the Protein Environment. <i>Journal of Physical Chemistry B</i> , 1997, 101, 7293-7301.                       | 2.6 | 90        |
| 78 | Bicarbonate is an essential constituent of the water-oxidizing complex of photosystem II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 5050-5054.   | 7.1 | 78        |
| 79 | Langmuir-Blodgett and X-ray Diffraction Studies of Isolated Photosystem II Reaction Centers in Monolayers and Multilayers: Physical Dimensions of the Complex. <i>Photochemistry and Photobiology</i> , 1997, 65, 673-679.                              | 2.5 | 15        |
| 80 | Two-dimensional crystals of LH2 light-harvesting complexes from <i>Ectothiorhodospira</i> sp. and <i>Rhodobacter capsulatus</i> investigated by electron microscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1273, 44-50.          | 1.0 | 25        |
| 81 | Cu(II)-Inhibitory Effect on Photosystem II from Higher Plants. A Picosecond Time-Resolved Fluorescence Study. <i>Biochemistry</i> , 1996, 35, 9469-9474.  | 2.5 | 48        |
| 82 | High pressure studies of energy transfer and strongly coupled bacteriochlorophyll dimers in photosynthetic protein complexes. <i>Photosynthesis Research</i> , 1996, 48, 277-289.   | 2.9 | 39        |
| 83 | Photoinhibition of Photosystem II from Higher Plants. <i>Journal of Biological Chemistry</i> , 1996, 271, 27408-27415.  | 3.4 | 121       |
| 84 | Induced New Mutation of D1 Serine-268 in Soybean Photosynthetic Cell Cultures Produced Atrazine Resistance, Increased Stability of S2QB - and S3QB - States, and Increased Sensitivity to Light Stress. <i>Plant Physiology</i> , 1996, 112, 1499-1508. | 4.8 | 38        |
| 85 | Pigment Content of D1-D2-Cytochrome b559 Reaction Center Preparations after Removal of CP47 Contamination: An Immunological Study. <i>Biochemistry</i> , 1995, 34, 15214-15218.   | 2.5 | 11        |
| 86 | Photoreduction of Cytochrome b-559 and Photoinhibition of Photosystem II from Higher Plants: Effect of Cu (II) Inhibition. , 1995, , 3191-3194.   |     | 0         |
| 87 | Exciton Level Structure and Dynamics in the CP47 Antenna Complex of Photosystem II. <i>The Journal of Physical Chemistry</i> , 1994, 98, 7717-7724.   | 2.9 | 64        |
| 88 | On the Question of the Chlorophyll a Content of the Photosystem II Reaction Center. <i>The Journal of Physical Chemistry</i> , 1994, 98, 7725-7735.   | 2.9 | 68        |
| 89 | Spectral changes of the B800-850 antenna complex from <i>Ectothiorhodospira</i> sp. induced by detergent and salt treatment. <i>Photosynthesis Research</i> , 1994, 41, 339-347.  | 2.9 | 16        |
| 90 | Core Antenna Complexes, CP43 and CP47, of Higher Plant Photosystem II. Spectral Properties, Pigment Stoichiometry, and Amino Acid Composition. <i>Biochemistry</i> , 1994, 33, 10494-10500.   | 2.5 | 116       |

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|-----|---|------|-----------|
| 91  | Surface-Enhanced Resonance Raman Scattering Spectroscopy of Photosystem II Pigment-Protein Complexes. <i>The Journal of Physical Chemistry</i> , 1994, 98, 6017-6022.   | 2.9  | 30        |
| 92  | Pigment stoichiometry of the Photosystem II reaction center from higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1187, 187-190.   | 1.0  | 9         |
| 93  | A comparison of the photochemical activity of two forms of Photosystem II reaction centre isolated from sugar beet. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1185, 85-91.   | 1.0  | 1         |
| 94  | The state of iron in the oxygen-evolving core complex of the cyanobacterium <i>Phormidium laminosum</i> : Mössbauer spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1184, 171-177.   | 1.0  | 4         |
| 95  | Detergent-Induced Reversible Denaturation of the Photosystem II Reaction Center: Implications for Pigment-Protein Interactions. <i>Biochemistry</i> , 1994, 33, 11798-11804.  | 2.5  | 19        |
| 96  | SPECTROSCOPIC CHARACTERIZATION OF TWO FORMS OF THE D1-D2-CYTOCHROME b559 COMPLEX FROM SUGAR BEET. <i>Photochemistry and Photobiology</i> , 1993, 58, 724-729.   | 2.5  | 17        |
| 97  | STRUCTURAL AND FUNCTIONAL INTEGRITY OF THE PHOTOSYSTEM II REACTION CENTER ON SILVER ELECTRODES: FLUORESCENCE AND REDOX PROBES. <i>Photochemistry and Photobiology</i> , 1993, 58, 757-760.  | 2.5  | 10        |
| 98  | Phototrapping of doubly reduced monomeric bacteriochlorophyll in the photoreaction center of <i>Ectothiorhodospira</i> sp. <i>Biochemistry</i> , 1993, 32, 1466-1470.   | 2.5  | 8         |
| 99  | Characterization of photosynthetic reaction centers by surface-enhanced resonance Raman scattering. , 1993, 1921, 295.  |      | 0         |
| 100 | B896 and B870 components of the <i>Rhodobacter sphaeroides</i> antenna: a hole burning study. <i>The Journal of Physical Chemistry</i> , 1992, 96, 6458-6464.   | 2.9  | 160       |
| 101 | [4] Surface-enhanced raman scattering spectroscopy of photosynthetic membranes and complexes. <i>Methods in Enzymology</i> , 1992, 213, 31-42.  | 1.0  | 17        |
| 102 | The inhibitory mechanism of Cu(II) on the Photosystem II electron transport from higher plants. <i>Photosynthesis Research</i> , 1992, 33, 227-233.   | 2.9  | 42        |
| 103 | SURFACE-ENHANCED RESONANCE RAMAN SCATTERING SPECTROSCOPY AS A SURFACE TOPOGRAPHY PROBE IN PLANT PHOTOSYNTHETIC MEMBRANES. <i>Photochemistry and Photobiology</i> , 1992, 56, 263-270.   | 2.5  | 14        |
| 104 | Stability of isolated bacterial and photosystem II reaction center complexes on silver electrode surfaces. A surface-enhanced resonance Raman study. <i>Journal of the American Chemical Society</i> , 1991, 113, 2839-2843.  | 13.7 | 30        |
| 105 | Pigment stoichiometry of a newly isolated D1-D2-Cyt b 559 complex from the higher plant <i>Beta vulgaris</i> L. <i>FEBS Letters</i> , 1991, 283, 255-258.   | 2.8  | 56        |
| 106 | Energy transfer dynamics of the B800-B850 antenna complex of <i>Rhodobacter sphaeroides</i> : a hole burning study. <i>Chemical Physics Letters</i> , 1991, 181, 391-399.   | 2.6  | 122       |
| 107 | Supramolecular arrangement of <i>Rhodospirillum rubrum</i> B880 holochrome as studied by radiation inactivation and electron paramagnetic resonance.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 3405-3409. | 7.1  | 24        |
| 108 | Surface-enhanced resonance Raman scattering spectroscopy of bacterial photosynthetic membranes: orientation of the carotenoids of <i>Rhodobacter sphaeroides</i> 2.4.1. <i>Biochemistry</i> , 1990, 29, 707-712.  | 2.5  | 28        |

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|-----|---|-----|-----------|
| 109 | Stabilization of Isolated Photosystem II Reaction Center Complex in the Dark and in the Light Using Polyethylene Glycol and an Oxygen-Scrubbing System. <i>Plant Physiology</i> , 1989, 89, 452-456.                      | 4.8 | 89        |
| 110 | Further characterization of the photoreaction center from <i>Ectothiorhodospira</i> sp. detection of the H subunit by monoclonal antibodies. <i>FEMS Microbiology Letters</i> , 1989, 65, 247-252.                        | 1.8 | 3         |
| 111 | Preparative isolation and characterization of the B875 complex from <i>Rhodobacter sphaeroides</i> 2.4.1. <i>Biochemistry and Cell Biology</i> , 1988, 66, 442-448.   | 2.0 | 17        |
| 112 | Spectral, Photophysical, and Stability Properties of Isolated Photosystem II Reaction Center. <i>Plant Physiology</i> , 1988, 87, 303-306.  | 4.8 | 148       |
| 113 | Oxido-reduction of B800-850 and B880 holochromes isolated from three species of photosynthetic bacteria as studied by electron-paramagnetic resonance and optical spectroscopy. <i>FEBS Journal</i> , 1984, 142, 305-311. | 0.2 | 44        |
| 114 | Photoreaction center of <i>Ectothiorhodospira</i> sp. Pigment, heme, quinone, and polypeptide composition. <i>Biochemistry</i> , 1984, 23, 5279-5288.   | 2.5 | 31        |
| 115 | Antenna holochrome B880 of <i>Rhodospirillum rubrum</i> S1. Pigment, phospholipid, and polypeptide composition. <i>Biochemistry</i> , 1983, 22, 2491-2497.  | 2.5 | 101       |
| 116 | Photosynthetic unit size and electron-transport chain in a photoreaction center-depleted mutant of <i>Rhodospirillum rubrum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1982, 682, 354-363.              | 1.0 | 3         |
| 117 | Rotational mobility of the photoreaction center in chromatophore membranes of <i>Rhodospirillum rubrum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1981, 637, 546-550.                                   | 1.0 | 11        |
| 118 | The photoreaction center of <i>Rhodospirillum rubrum</i> mutant strain F24.1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1980, 593, 76-84.  | 1.0 | 10        |
| 119 | Isolation of a photosynthetic strain of <i>Rhodospirillum rubrum</i> with an altered reaction center. <i>Archives of Biochemistry and Biophysics</i> , 1977, 181, 665-670.  | 3.0 | 7         |