

# Tomas Polivka

## List of Publications by Year in descending order

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154  
papers

8,009  
citations

47006

47  
h-index

51608

86  
g-index

160  
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160  
docs citations

160  
times ranked

5387  
citing authors

#	ARTICLE	IF	CITATIONS
1	UV Excitation of Carotenoid Binding Proteins OCP and HCP: Excited-State Dynamics and Product Formation. <i>ChemPhotoChem</i> , 2022, 6, .	3.0	2
2	2.4-Å... structure of the double-ring <i>Gemmatimonas phototrophica</i> photosystem. <i>Science Advances</i> , 2022, 8, eabk3139.	10.3	16
3	Understanding Carotenoid Dynamics via the Vibronic Energy Relaxation Approach. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3985-3994.	2.6	5
4	Excited-State Evolution of Keto-Carotenoids after Excess Energy Excitation in the UV Region. <i>ChemPhysChem</i> , 2021, 22, 471-480.	2.1	7
5	Transient Absorption of Chlorophylls and Carotenoids after Two-Photon Excitation of LHCII. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3176-3181.	4.6	10
6	Role of hydrogen bond alternation and charge transfer states in photoactivation of the Orange Carotenoid Protein. <i>Communications Biology</i> , 2021, 4, 539.	4.4	30
7	Plant LHC-like proteins show robust folding and static non-photochemical quenching. <i>Nature Communications</i> , 2021, 12, 6890.	12.8	15
8	Trivial Excitation Energy Transfer to Carotenoids Is an Unlikely Mechanism for Non-photochemical Quenching in LHCII. <i>Frontiers in Plant Science</i> , 2021, 12, 797373.	3.6	13
9	Comparative ultrafast spectroscopy and structural analysis of OCP1 and OCP2 from <i>Tolypothrix</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148120.	1.0	22
10	Intramolecular charge-transfer state of carotenoids siphonaxanthin and siphonein: function of non-conjugated acyl-oxy group. <i>Photosynthesis Research</i> , 2020, 144, 127-135.	2.9	8
11	A Protein Environment-Modulated Energy Dissipation Channel in LHCII Antenna Complex. <i>IScience</i> , 2020, 23, 101430.	4.1	18
12	A Series of Ultra-Efficient Blue Borane Fluorophores. <i>Inorganic Chemistry</i> , 2020, 59, 17058-17070.	4.0	13
13	Energy transfer pathways in the CAC light-harvesting complex of <i>Rhodomonas salina</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148280.	1.0	5
14	Spectroscopy and excited state dynamics of nearly infinite polyenes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17867-17879.	2.8	3
15	Structural analysis of a new carotenoid-binding protein: the C-terminal domain homolog of the OCP. <i>Scientific Reports</i> , 2020, 10, 15564.	3.3	18
16	The robustness of the terminal emitter site in major LHCII complexes controls xanthophyll function during photoprotection. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1308-1318.	2.9	8
17	Photophysics of deinoxanthin, the keto-carotenoid bound to the main S-layer unit of <i>Deinococcus radiodurans</i> . <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 495-503.	2.9	9
18	Excited-State Properties of Canthaxanthin in Cyanobacterial Carotenoid-Binding Proteins HCP2 and HCP3. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4896-4905.	2.6	14

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19	Photo-protection/photo-damage in natural systems: general discussion. Faraday Discussions, 2019, 216, 538-563.	3.2	4
20	Spectroscopic Properties of Violaxanthin and Lutein Triplet States in LHCII are Independent of Carotenoid Composition. Journal of Physical Chemistry B, 2019, 123, 9312-9320.	2.6	13
21	Carotenoid-chlorophyll energy transfer in the fucoxanthin-chlorophyll complex binding a fucoxanthin acyloxy derivative. Faraday Discussions, 2019, 216, 460-475.	3.2	6
22	Structural and spectroscopic characterization of HCP2. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 414-424.	1.0	21
23	Time-resolved two-photon spectroscopy of carotenoids. Chemical Physics, 2019, 522, 171-177.	1.9	3
24	The full dynamics of energy relaxation in large organic molecules: from photo-excitation to solvent heating. Chemical Science, 2019, 10, 4792-4804.	7.4	40
25	How carotenoid distortions may determine optical properties: lessons from the Orange Carotenoid Protein. Physical Chemistry Chemical Physics, 2019, 21, 23187-23197.	2.8	23
26	Energy transfer dynamics in a red-shifted violaxanthin-chlorophyll a light-harvesting complex. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 111-120.	1.0	9
27	Tuning the Triplet-Triplet Energy Transfer Between Phthalocyanine and Carotenoid by Methyl Groups on the Conjugated Chain. Photochemistry and Photobiology, 2019, 95, 453-454.	2.5	1
28	Nonconjugated Acyloxy Group Deactivates the Intramolecular Charge-Transfer State in the Carotenoid Fucoxanthin. Journal of Physical Chemistry B, 2018, 122, 2922-2930.	2.6	10
29	Ultrafast multi-pulse transient absorption spectroscopy of fucoxanthin chlorophyll a protein from <i>Phaeodactylum tricornutum</i> . Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 357-365.	1.0	14
30	Molecular Origin of Photoprotection in Cyanobacteria Probed by Watermarked Femtosecond Stimulated Raman Spectroscopy. Journal of Physical Chemistry Letters, 2018, 9, 1788-1792.	4.6	31
31	Carotenoid to bacteriochlorophyll energy transfer in the RC-LH1-PufX complex from <i>Rhodospira rubra</i> sphaeroides containing the extended conjugation keto-carotenoid diketospirilloxanthin. Photosynthesis Research, 2018, 135, 33-43.	2.9	2
32	Equilibration Dependence of Fucoxanthin S <sub>1</sub> and ICT Signatures on Polarity, Proticity, and Temperature by Multipulse Femtosecond Absorption Spectroscopy. Journal of Physical Chemistry B, 2018, 122, 7264-7276.	2.6	17
33	Twisting a $\beta^2$ -Carotene, an Adaptive Trick from Nature for Dissipating Energy during Photoprotection. Journal of Biological Chemistry, 2017, 292, 1396-1403.	3.4	37
34	Spectroscopic properties of the S <sub>1</sub> state of linear carotenoids after excess energy excitation. Chemical Physics Letters, 2017, 683, 448-453.	2.6	5
35	Effect of Isomerization on Excited-State Dynamics of Carotenoid Fucoxanthin. Journal of Physical Chemistry B, 2017, 121, 4438-4447.	2.6	9
36	Ultrafast spectroscopy tracks carotenoid configurations in the orange and red carotenoid proteins from cyanobacteria. Photosynthesis Research, 2017, 131, 105-117.	2.9	30

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37	Unique double concentric ring organization of light harvesting complexes in Gemmatimonas phototrophica. <i>PLoS Biology</i> , 2017, 15, e2003943.	5.6	19
38	Spectroscopic properties of the triple bond carotenoid alloxanthin. <i>Chemical Physics Letters</i> , 2016, 653, 167-172.	2.6	4
39	Spectroscopic investigation of a brightly colored psittacofulvin pigment from parrot feathers. <i>Chemical Physics Letters</i> , 2016, 648, 195-199.	2.6	5
40	Electron transfer between carotenoid and chlorophyll contributes to quenching in the LHCSR1 protein from <i>Physcomitrella patens</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1870-1878.	1.0	51
41	A Unified Picture of S* in Carotenoids. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3347-3352.	4.6	59
42	Spectral watermarking in femtosecond stimulated Raman spectroscopy: resolving the nature of the carotenoid S* state. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14619-14628.	2.8	47
43	Carotenoid-induced non-photochemical quenching in the cyanobacterial chlorophyll synthase HliC/D complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1430-1439.	1.0	54
44	Triplet-triplet energy transfer from chlorophylls to carotenoids in two antenna complexes from dinoflagellate <i>Amphidinium carterae</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 341-349.	1.0	25
45	Efficient light-harvesting using non-carbonyl carotenoids: Energy transfer dynamics in the VCP complex from <i>Nannochloropsis oceanica</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 370-379.	1.0	33
46	Tuning the Spectroscopic Properties of Aryl Carotenoids by Slight Changes in Structure. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1457-1467.	2.6	29
47	Mechanism of photoprotection in the cyanobacterial ancestor of plant antenna proteins. <i>Nature Chemical Biology</i> , 2015, 11, 287-291.	8.0	173
48	Different Response of Carbonyl Carotenoids to Solvent Proticity Helps To Estimate Structure of the Unknown Carotenoid from <i>Chromera velia</i> . <i>Journal of Physical Chemistry B</i> , 2015, 119, 12653-12663.	2.6	15
49	Ultrafast Dynamics of Long Homologues of Carotenoid Zeaxanthin. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11304-11312.	2.5	21
50	Structure-Function Relationship in Peridinin-Chlorophyll Proteins. <i>Advances in Photosynthesis and Respiration</i> , 2014, , 39-58.	1.0	1
51	Highly efficient energy transfer from a carbonyl carotenoid to chlorophyll a in the main light harvesting complex of <i>Chromera velia</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1748-1755.	1.0	18
52	Carotenoid-protein interaction alters the S1 energy of hydroxyechinenone in the Orange Carotenoid Protein. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 248-254.	1.0	57
53	Low-temperature time-resolved spectroscopic study of the major light-harvesting complex of <i>Amphidinium carterae</i> . <i>Photosynthesis Research</i> , 2013, 117, 257-265.	2.9	13
54	Carotenoid Charge Transfer States and Their Role in Energy Transfer Processes in LH1-RC Complexes from Aerobic Anoxygenic Phototrophs. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10987-10999.	2.6	15

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55	Interaction of Antenna Carotenoid and Retinal in the Light-Driven Pumps of <i>Salinibacter Ruber</i> and <i>Gloeobacter Violaceus</i> . <i>Biophysical Journal</i> , 2013, 104, 544a.	0.5	0
56	Excited-state dynamics of astaxanthin aggregates. <i>Chemical Physics Letters</i> , 2013, 568-569, 21-25.	2.6	22
57	A comparative study of the redox and excited state properties of (nBu <sub>4</sub> N) <sub>2</sub> [Mo <sub>6</sub> X <sub>14</sub> ] and (nBu <sub>4</sub> N) <sub>2</sub> [Mo <sub>6</sub> X <sub>8</sub> (CF <sub>3</sub> COO) <sub>6</sub> ] (X = Cl, Br, or I). <i>Dalton Transactions</i> , 2013, 42, 7224.	3.3	123
58	Energetics and Dynamics of the Low-Lying Electronic States of Constrained Polyenes: Implications for Infinite Polyenes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1449-1465.	2.5	25
59	Towards characterization of DNA structure under physiological conditions in vivo at the single-molecule level using single-pair FRET. <i>Nucleic Acids Research</i> , 2012, 40, e121-e121.	14.5	29
60	Excited-State Dynamics of Monomeric and Aggregated Carotenoid 8- <i>Apo</i> - $\beta$ -carotenal. <i>Journal of Physical Chemistry A</i> , 2012, 116, 12330-12338.	2.5	24
61	Role of Carotenoids in Light-Harvesting Processes in an Antenna Protein from the Chromophyte <i>Xanthonema debile</i> . <i>Journal of Physical Chemistry B</i> , 2012, 116, 8880-8889.	2.6	21
62	Distinct Photophysics of the Isomers of B <sub>18</sub> H <sub>22</sub> Explained. <i>Inorganic Chemistry</i> , 2012, 51, 1471-1479.	4.0	45
63	Role of Xanthophylls in Light Harvesting in Green Plants: A Spectroscopic Investigation of Mutant LHCII and Lhcb Pigment-Protein Complexes. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3834-3849.	2.6	46
64	Photoprotection in a purple phototrophic bacterium mediated by oxygen-dependent alteration of carotenoid excited-state properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8570-8575.	7.1	59
65	Self-assembly and energy transfer in artificial light-harvesting complexes of bacteriochlorophyll <i>c</i> with astaxanthin. <i>Photosynthesis Research</i> , 2012, 111, 193-204.	2.9	9
66	Charge transfer in porphyrin-calixarene complexes: ultrafast kinetics, cyclic voltammetry, and DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6947.	2.8	19
67	An intramolecular charge transfer state of carbonyl carotenoids: implications for excited state dynamics of apo-carotenals and retinal. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 10787.	2.8	29
68	Reversible Capture of Small Molecules On Bimetalloborane Clusters: Synthesis, Structural Characterization, and Photophysical Aspects. <i>Inorganic Chemistry</i> , 2011, 50, 7511-7523.	4.0	19
69	Carotenoid response to retinal excitation and photoisomerization dynamics in xanthorhodopsin. <i>Chemical Physics Letters</i> , 2011, 516, 96-101.	2.6	10
70	Excited-state properties of the 16 kDa red carotenoid protein from <i>Arthrospira maxima</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 30-35.	1.0	36
71	Ultra-broadband OPA of supercontinuum for ELI front end. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
72	$\beta$ -Carotene to bacteriochlorophyll <i>c</i> energy transfer in self-assembled aggregates mimicking chlorosomes. <i>Chemical Physics</i> , 2010, 373, 90-97.	1.9	26

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73	Optimal control of peridinin excited-state dynamics. <i>Chemical Physics</i> , 2010, 373, 129-136.	1.9	13
74	Four-wave-mixing spectroscopy of peridinin in solution and in the peridinin-chlorophyll-a protein. <i>Chemical Physics</i> , 2010, 373, 15-22.	1.9	12
75	Ultrafast dynamics of hydrophilic carbonyl carotenoids – Relation between structure and excited-state properties in polar solvents. <i>Chemical Physics</i> , 2010, 373, 56-64.	1.9	20
76	Carotenoid photophysics. <i>Chemical Physics</i> , 2010, 373, 1.	1.9	1
77	Molecular Factors Controlling Photosynthetic Light Harvesting by Carotenoids. <i>Accounts of Chemical Research</i> , 2010, 43, 1125-1134.	15.6	293
78	Carotenoids in Energy Transfer and Quenching Processes in Pcb and Pcb-PS I Complexes from <i>Prochlorothrix hollandica</i> . <i>Journal of Physical Chemistry B</i> , 2010, 114, 9275-9282.	2.6	10
79	X-ray Crystal Structure and Time-Resolved Spectroscopy of the Blue Carotenoid Violerythrin. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8760-8769.	2.6	19
80	Influence of the Electron-Cation Interaction on Electron Mobility in Dye-Sensitized ZnO and $\text{TiO}_2$ Nanocrystals: A Study Using Ultrafast Terahertz Spectroscopy. <i>Physical Review Letters</i> , 2010, 104, 197401.	7.8	116
81	Ultrafast intramolecular charge transfer in tetrapyrazinoporphyrazines controls the quantum yields of fluorescence and singlet oxygen. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2555.	2.8	41
82	Excited state properties of aryl carotenoids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3112.	2.8	33
83	Photon echo spectroscopy reveals structure-dynamics relationships in carotenoids. <i>Physical Review B</i> , 2009, 79, .	3.2	47
84	Identification of a single peridinin sensing Chl- <i>a</i> excitation in reconstituted PCP by crystallography and spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20764-20769.	7.1	69
85	Inter-pigment interactions in the peridinin chlorophyll protein studied by global and target analysis of time resolved absorption spectra. <i>Chemical Physics</i> , 2009, 357, 70-78.	1.9	33
86	Excited state dynamics in light harvesting materials (in honor of Villy Sundström). <i>Chemical Physics</i> , 2009, 357, 1-3.	1.9	1
87	Dark excited states of carotenoids: Consensus and controversy. <i>Chemical Physics Letters</i> , 2009, 477, 1-11.	2.6	243
88	Biomimetic and Microbial Approaches to Solar Fuel Generation. <i>Accounts of Chemical Research</i> , 2009, 42, 1899-1909.	15.6	403
89	Femtosecond Carotenoid to Retinal Energy Transfer in Xanthorhodopsin. <i>Biophysical Journal</i> , 2009, 96, 2268-2277.	0.5	58
90	Flash Photolysis of Cutinase: Identification and Decay Kinetics of Transient Intermediates Formed upon UV Excitation of Aromatic Residues. <i>Biophysical Journal</i> , 2009, 97, 211-226.	0.5	55

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91	Energy Transfer from Carotenoids to Bacteriochlorophylls. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 213-230.	1.0	12
92	Effect of carotenoid structure on excited-state dynamics of carbonyl carotenoids. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8795.	2.8	89
93	Energy Transfer in the Peridinin-Chlorophyll Protein Complex Reconstituted with Mixed Chlorophyll Sites. <i>Biophysical Journal</i> , 2008, 94, 3198-3207.	0.5	19
94	Photosynthetic Light-Harvesting. <i>Biological and Medical Physics Series</i> , 2008, , 95-115.	0.4	2
95	Spectroscopy of the peridinin-chlorophyll-a protein: Insight into light-harvesting strategy of marine algae. <i>Archives of Biochemistry and Biophysics</i> , 2007, 458, 111-120.	3.0	83
96	Synthesis and Electron Transfer Studies of Ruthenium-Terpyridine-Based Dyads Attached to Nanostructured TiO <sub>2</sub> . <i>Inorganic Chemistry</i> , 2007, 46, 638-651.	4.0	63
97	Role of B800 in Carotenoid-Bacteriochlorophyll Energy and Electron Transfer in LH2 Complexes from the Purple Bacterium <i>Rhodospira rubra</i> . <i>Journal of Physical Chemistry B</i> , 2007, 111, 7422-7431.	2.6	22
98	Polarity-Tuned Energy Transfer Efficiency in Artificial Light-Harvesting Antennae Containing Carbonyl Carotenoids Peridinin and Fucoxanthin. <i>Journal of Physical Chemistry C</i> , 2007, 111, 467-476.	3.1	25
99	Optical spectroscopic studies of light-harvesting by pigment-reconstituted peridinin-chlorophyll-proteins at cryogenic temperatures. <i>Photosynthesis Research</i> , 2007, 90, 5-15.	2.9	24
100	Femtosecond Time-Resolved Transient Absorption Spectroscopy of Xanthophylls. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22872-22885.	2.6	133
101	Energy Transfer in the Major Intrinsic Light-Harvesting Complex from <i>Amphidinium carterae</i> . <i>Biochemistry</i> , 2006, 45, 8516-8526.	2.5	76
102	Energy Transfer Dynamics in Zn-Porphyrin-Appended Dendrimers. , 2006, , 113-117.		0
103	Energy transfer and conformational dynamics in Zn-porphyrin dendrimers. <i>Chemical Physics Letters</i> , 2005, 403, 205-210.	2.6	33
104	Synthesis and Characterization of Dinuclear Ruthenium Complexes Covalently Linked to Rull Tris-bipyridine: An Approach to Mimics of the Donor Side of Photosystem II. <i>Chemistry - A European Journal</i> , 2005, 11, 7305-7314.	3.3	39
105	Tuning Energy Transfer in the Peridinin-chlorophyll Complex by Reconstitution with Different Chlorophylls. <i>Photosynthesis Research</i> , 2005, 86, 217-227.	2.9	57
106	Energy Transfer within Zn-Porphyrin Dendrimers: Study of the Singlet-Singlet Annihilation Kinetics. <i>Journal of Physical Chemistry A</i> , 2005, 109, 10654-10662.	2.5	63
107	Excited-State Processes in the Carotenoid Zeaxanthin after Excess Energy Excitation. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6852-6859.	2.5	82
108	Self-Assembled Aggregates of the Carotenoid Zeaxanthin: Time-Resolved Study of Excited States. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1521-1529.	2.5	91

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109	Femtosecond Time-Resolved Absorption Spectroscopy of Astaxanthin in Solution and in $\beta$ -Crustacyanin. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3120-3127.	2.5	80
110	Spectroscopic Properties of the Carotenoid 3 $\beta$ -Hydroxyechinenone in the Orange Carotenoid Protein from the Cyanobacterium <i>Arthrospira maxima</i> . <i>Biochemistry</i> , 2005, 44, 3994-4003.	2.5	124
111	Carotenoid Excited States-Photophysics, Ultrafast Dynamics and Photosynthetic Functions. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2005, , 187-219.	0.1	1
112	Ultrafast Dynamics of Carotenoid Excited States " From Solution to Natural and Artificial Systems. <i>ChemInform</i> , 2004, 35, no.	0.0	2
113	Ultrafast singlet energy transfer competes with intersystem crossing in a multi-center transition metal polypyridine complex. <i>Chemical Physics Letters</i> , 2004, 386, 336-341.	2.6	50
114	New paradigm of transition metal polypyridine complex photochemistry. <i>Faraday Discussions</i> , 2004, 127, 295-305.	3.2	33
115	Tuning proton coupled electron transfer from tyrosine: A competition between concerted and step-wise mechanisms. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4851-4858.	2.8	72
116	Carotenoid and Pheophytin on Semiconductor Surface: Self-Assembly and Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2004, 126, 3066-3067.	13.7	45
117	Ultrafast Carotenoid Band Shifts: Experiment and Theory. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10398-10403.	2.6	42
118	Stepwise Charge Separation from a Ruthenium-Tyrosine Complex to a Nanocrystalline TiO <sub>2</sub> Film. <i>Journal of Physical Chemistry B</i> , 2004, 108, 12904-12910.	2.6	28
119	Ultrafast Formation of a Carotenoid Radical in LH2 Antenna Complexes of Purple Bacteria. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15398-15407.	2.6	63
120	Ultrafast Dynamics of Carotenoid Excited States From Solution to Natural and Artificial Systems. <i>Chemical Reviews</i> , 2004, 104, 2021-2072.	47.7	811
121	Effect of a conjugated carbonyl group on the photophysical properties of carotenoids. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3009-3016.	2.8	215
122	Energy transfer in light-harvesting Zn porphyrin dendrimers. , 2004, , 495-498.		2
123	Excited state dynamics of the carotenoid peridinin. , 2004, , 445-452.		0
124	Dynamics of Excited States of the Carotenoid Peridinin in Polar Solvents: Dependence on Excitation Wavelength, Viscosity, and Temperature. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5339-5348.	2.6	138
125	A Near-Infrared Transient Absorption Study of the Excited-State Dynamics of the Carotenoid Spirilloxanthin in Solution and in the LH1 Complex of <i>Rhodospirillum rubrum</i> . <i>Journal of Physical Chemistry B</i> , 2003, 107, 11216-11223.	2.6	52
126	Photophysical Properties of Xanthophylls in Carotenoproteins from Human Retina. <i>Photochemistry and Photobiology</i> , 2003, 78, 138-145.	2.5	5

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127	Photophysical Properties of Xanthophylls in Carotenoproteins from Human Retina. <i>Photochemistry and Photobiology</i> , 2003, 78, 138.	2.5	53
128	Dynamics of Energy Transfer from Lycopene to Bacteriochlorophyll in Genetically-Modified LH2 Complexes of <i>Rhodobacter sphaeroides</i> . <i>Biochemistry</i> , 2002, 41, 4127-4136.	2.5	44
129	The Carotenoid S1 State in LH2 Complexes from Purple Bacteria <i>Rhodobacter sphaeroides</i> and <i>Rhodospseudomonas acidophila</i> : S1 Energies, Dynamics, and Carotenoid Radical Formation. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11016-11025.	2.6	93
130	Carotenoid to chlorophyll energy transfer in the peridinin-chlorophyll-a-protein complex involves an intramolecular charge transfer state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16760-16765.	7.1	193
131	Light-Driven Tyrosine Radical Formation in a Ruthenium-Tyrosine Complex Attached to Nanoparticle TiO <sub>2</sub> . <i>Inorganic Chemistry</i> , 2002, 41, 6258-6266.	4.0	35
132	Carotenoid S1 State in a Recombinant Light-Harvesting Complex of Photosystem II. <i>Biochemistry</i> , 2002, 41, 439-450.	2.5	139
133	Photoinduced Electron Transfer between a Carotenoid and TiO <sub>2</sub> Nanoparticle. <i>Journal of the American Chemical Society</i> , 2002, 124, 13949-13957.	13.7	94
134	Modified Phthalocyanines for Efficient Near-IR Sensitization of Nanostructured TiO <sub>2</sub> Electrode. <i>Journal of the American Chemical Society</i> , 2002, 124, 4922-4932.	13.7	396
135	Dynamics of vibrational relaxation in the S1 state of carotenoids having 11 conjugated C=C bonds. <i>Chemical Physics Letters</i> , 2002, 355, 465-470.	2.6	135
136	LIGHT DRIVEN MULTISTEP ELECTRON TRANSFER IN A TYROSINE-RUTHENIUM-COMPLEX ANCHORED TO TiO <sub>2</sub> NANOPARTICLES. , 2002, , .		0
137	Near-Infrared Time-Resolved Study of the S1 State Dynamics of the Carotenoid Spheroidene. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1072-1080.	2.6	107
138	Spectroscopic and Dynamic Properties of the Peridinin Lowest Singlet Excited States. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10296-10306.	2.5	158
139	Exciton Delocalization Probed by Excitation Annihilation in the Light-Harvesting Antenna LH2. <i>Physical Review Letters</i> , 2001, 86, 4167-4170.	7.8	121
140	Direct observation of the S1 level of the carotenoid spheroidene using near-infrared femtosecond spectroscopy. <i>Springer Series in Chemical Physics</i> , 2001, , 668-670.	0.2	4
141	B800-B850 Energy Transfer Mechanism in Bacterial LH2 Complexes Investigated by B800 Pigment Exchange. <i>Biophysical Journal</i> , 2000, 78, 2590-2596.	0.5	133
142	Exciton Relaxation and Polaron Formation in LH2 at Low Temperature. <i>Journal of Physical Chemistry B</i> , 2000, 104, 1088-1096.	2.6	72
143	Direct observation of the (forbidden) S1 state in carotenoids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 4914-4917.	7.1	275
144	Persistent hole burning and femtosecond pump-probe absorption spectroscopy of green sulphur photosynthetic bacteria antennae. <i>Journal of Luminescence</i> , 1998, 76-77, 322-326.	3.1	1

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147	Red Emission From LH2 at Low Temperature: Where Does it Come From?. , 1998, , 33-36.		1
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