

Ivo H M Van Stokkum

List of Publications by Year in descending order

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252
papers

16,899
citations

10986

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119
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docs citations

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times ranked

10512
citing authors

#	ARTICLE	IF	CITATIONS
1	A kaleidoscope of photosynthetic antenna proteins and their emerging roles. <i>Plant Physiology</i> , 2022, 189, 1204-1219.	4.8	14
2	Correlating Ultrafast Dynamics, Liquid Crystalline Phases, and Ambipolar Transport in Fluorinated Benzothiadiazole Dyes. <i>Advanced Electronic Materials</i> , 2021, 7, 2100186.	5.1	2
3	Vibronic dynamics resolved by global and target analysis of ultrafast transient absorption spectra. <i>Journal of Chemical Physics</i> , 2021, 155, 114113.	3.0	7
4	A Unified Experimental/Theoretical Description of the Ultrafast Photophysics of Single and Double Thionated Uracils. <i>Chemistry - A European Journal</i> , 2020, 26, 336-343.	3.3	31
5	Unraveling the Excited-State Dynamics and Light-Harvesting Functions of Xanthophylls in Light-Harvesting Complex II Using Femtosecond Stimulated Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 17346-17355.	13.7	22
6	Confinement in crystal lattice alters entire photocycle pathway of the Photoactive Yellow Protein. <i>Nature Communications</i> , 2020, 11, 4248.	12.8	29
7	Vibronic and excitonic dynamics in perylenediimide dimers and tetramer. <i>Journal of Chemical Physics</i> , 2020, 153, 224101.	3.0	4
8	Harvesting far-red light: Functional integration of chlorophyll f into Photosystem I complexes of <i>Synechococcus</i> sp. PCC 7002. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148206.	1.0	25
9	Modelling excitation energy transfer and trapping in the filamentous cyanobacterium <i>Anabaena variabilis</i> PCC 7120. <i>Photosynthesis Research</i> , 2020, 144, 261-272.	2.9	3
10	Time-resolved fluorescence study of excitation energy transfer in the cyanobacterium <i>Anabaena</i> PCC 7120. <i>Photosynthesis Research</i> , 2020, 144, 247-259.	2.9	9
11	Capturing the Quenching Mechanism of Light-Harvesting Complexes of Plants by Zooming in on the Ensemble. <i>CheM</i> , 2019, 5, 2900-2912.	11.7	50
12	pH dependence, kinetics and light-harvesting regulation of nonphotochemical quenching in <i>Chlamydomonas</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8320-8325.	7.1	68
13	Photoactivation Mechanism, Timing of Protein Secondary Structure Dynamics and Carotenoid Translocation in the Orange Carotenoid Protein. <i>Journal of the American Chemical Society</i> , 2019, 141, 520-530.	13.7	80
14	Spectrally decomposed dark-to-light transitions in <i>Synechocystis</i> sp. PCC 6803. <i>Photosynthesis Research</i> , 2018, 137, 307-320.	2.9	3
15	Introduction: light harvesting for photosynthesis. <i>Photosynthesis Research</i> , 2018, 135, 1-2.	2.9	7
16	Spectrally decomposed dark-to-light transitions in a PSI-deficient mutant of <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 57-68.	1.0	4
17	Mechanisms of drought-induced dissipation of excitation energy in sun- and shade-adapted drought-tolerant mosses studied by fluorescence yield change and global and target analysis of fluorescence decay kinetics. <i>Photosynthesis Research</i> , 2018, 135, 285-298.	2.9	8
18	A functional compartmental model of the <i>Synechocystis</i> PCC 6803 phycobilisome. <i>Photosynthesis Research</i> , 2018, 135, 87-102.	2.9	30

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19	Vibronic Wavepackets and Energy Transfer in Cryptophyte Light-Harvesting Complexes. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6328-6340.	2.6	19
20	Energy transfer and trapping in <i>Synechococcus</i> WH 7803. <i>Photosynthesis Research</i> , 2018, 135, 115-124.	2.9	11
21	Development of fluorescence quenching in <i>Chlamydomonas reinhardtii</i> upon prolonged illumination at 77ÅK. <i>Photosynthesis Research</i> , 2018, 137, 503-513.	2.9	1
22	Reaction dynamics of the chimeric channelrhodopsin C1C2. <i>Scientific Reports</i> , 2017, 7, 7217.	3.3	48
23	A four state parametric model for the kinetics of the non-photochemical quenching in Photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 854-864.	1.0	9
24	Different carotenoid conformations have distinct functions in light-harvesting regulation in plants. <i>Nature Communications</i> , 2017, 8, 1994.	12.8	83
25	A model for the 77 K excited state dynamics in <i>Chlamydomonas reinhardtii</i> in state 1 and state 2. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 64-72.	1.0	10
26	Estimation of damped oscillation associated spectra from ultrafast transient absorption spectra. <i>Journal of Chemical Physics</i> , 2016, 145, 174201.	3.0	18
27	A method to decompose spectral changes in <i>Synechocystis</i> PCC 6803 during light-induced state transitions. <i>Photosynthesis Research</i> , 2016, 130, 237-249.	2.9	11
28	Resolving the contribution of the uncoupled phycobilisomes to cyanobacterial pulse-amplitude modulated (PAM) fluorometry signals. <i>Photosynthesis Research</i> , 2016, 127, 91-102.	2.9	40
29	The High Efficiency of Photosystem I in the Green Alga <i>Chlamydomonas reinhardtii</i> Is Maintained after the Antenna Size Is Substantially Increased by the Association of Light-harvesting Complexes II. <i>Journal of Biological Chemistry</i> , 2015, 290, 30587-30595.	3.4	26
30	Short Hydrogen Bonds and Negative Charge in Photoactive Yellow Protein Promote Fast Isomerization but not High Quantum Yield. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2372-2383.	2.6	10
31	Functional Rearrangement of the Light-Harvesting Antenna upon State Transitions in a Green Alga. <i>Biophysical Journal</i> , 2015, 108, 261-271.	0.5	27
32	PSIâ€“LHCI of <i>Chlamydomonas reinhardtii</i> : Increasing the absorption cross section without losing efficiency. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 458-467.	1.0	50
33	A Hidden State in Light-Harvesting Complex II Revealed By Multipulse Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5184-5193.	2.6	22
34	Quantitative Fluorescence Spectral Analysis of Protein Denaturation. <i>Methods in Molecular Biology</i> , 2014, 1076, 43-51.	0.9	3
35	Photoactivation Mechanisms of Flavin-Binding Photoreceptors Revealed Through Ultrafast Spectroscopy and Global Analysis Methods. <i>Methods in Molecular Biology</i> , 2014, 1146, 401-442.	0.9	14
36	Excitation Energy Trapping and Dissipation by Ni-Substituted Bacteriochlorophyll <i>a</i> in Reconstituted LH1 Complexes from <i>Rhodospirillum rubrum</i> . <i>Journal of Physical Chemistry B</i> , 2013, 117, 11260-11271.	2.6	8

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37	Excited States of the Inactive and Active Forms of the Orange Carotenoid Protein. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9121-9128.	2.6	33
38	Light Harvesting and Blue-Green Light Induced Non-Photochemical Quenching in Two Different C-Phycocyanin Mutants of <i>Synechocystis</i> PCC 6803. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11000-11006.	2.6	23
39	Functional Compartmental Modeling of the Photosystems in the Thylakoid Membrane at 77 K. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11363-11371.	2.6	29
40	Ultrafast Energy Transfer and Excited State Coupling in an Artificial Photosynthetic Antenna. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14183-14190.	2.6	18
41	Photoionization and Electron Radical Recombination Dynamics in Photoactive Yellow Protein Investigated by Ultrafast Spectroscopy in the Visible and Near-Infrared Spectral Region. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11042-11048.	2.6	22
42	Ultrafast Proton Shuttling in <i>Psammocora</i> Cyan Fluorescent Protein. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11134-11143.	2.6	13
43	Triplet Formation by Charge Recombination in Thin Film Blends of Perylene Red and Pyrene: Developing a Target Model for the Photophysics of Organic Photovoltaic Materials. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11239-11248.	2.6	19
44	Early Bacteriopheophytin Reduction in Charge Separation in Reaction Centers of <i>Rhodobacter sphaeroides</i> . <i>Biophysical Journal</i> , 2013, 104, 2493-2502.	0.5	36
45	Energy Transfer and Trapping in Red-Chlorophyll-Free Photosystem I from <i>Synechococcus</i> WH 7803. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11176-11183.	2.6	26
46	Ultrafast geminate electron-radical recombination dynamics in photoactive yellow protein. <i>EPJ Web of Conferences</i> , 2013, 41, 07010.	0.3	0
47	Redox Modulation of Flavin and Tyrosine Determines Photoinduced Proton-coupled Electron Transfer and Photoactivation of BLUF Photoreceptors. <i>Journal of Biological Chemistry</i> , 2012, 287, 31725-31738.	3.4	58
48	Spectroscopic characterization of the first ultrafast catalytic intermediate in protochlorophyllide oxidoreductase. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 616-625.	2.8	14
49	Excited state proton transfer in strongly enhanced GFP (sGFP2). <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8852.	2.8	16
50	Hydrogen Bond Switching among Flavin and Amino Acids Determines the Nature of Proton-Coupled Electron Transfer in BLUF Photoreceptors. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 203-208.	4.6	40
51	Role of PufX in Photochemical Charge Separation in the RC-LH1 Complex from <i>Rhodobacter sphaeroides</i> : An Ultrafast Mid-IR Pump-Probe Investigation. <i>Journal of Physical Chemistry B</i> , 2012, 116, 434-444.	2.6	6
52	Disentangling Picosecond Events That Complicate the Quantitative Use of the Calcium Sensor YC3.60. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3013-3020.	2.6	12
53	Picosecond Kinetics of Light Harvesting and Photoprotective Quenching in Wild-Type and Mutant Phycobilisomes Isolated from the Cyanobacterium <i>Synechocystis</i> PCC 6803. <i>Biophysical Journal</i> , 2012, 102, 1692-1700.	0.5	87
54	The Photophysics of the Orange Carotenoid Protein, a Light-Powered Molecular Switch. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2568-2574.	2.6	70

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55	Excitation-induced polarization decay in the plant light-harvesting complex LHCI. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 234, 91-99.	3.9	8
56	Glotaran: A<i>Java</i>-Based Graphical User Interface for the<i>R</i>PackageTIMP. Journal of Statistical Software, 2012, 49, .	3.7	1,040
57	Fluorescence quantum yield and photochemistry of bacteriophytochrome constructs. Physical Chemistry Chemical Physics, 2011, 13, 11985.	2.8	70
58	Cofactors Involved in Light-Driven Charge Separation in Photosystem I Identified by Subpicosecond Infrared Spectroscopy. Biochemistry, 2011, 50, 480-490.	2.5	37
59	Primary Reactions of Bacteriophytochrome Observed with Ultrafast Mid-Infrared Spectroscopy. Journal of Physical Chemistry A, 2011, 115, 3778-3786.	2.5	43
60	Single and Multi-Exciton Dynamics in Aqueous Protochlorophyllide Aggregates. Journal of Physical Chemistry A, 2011, 115, 3936-3946.	2.5	8
61	A General Approach for Detecting Folding Intermediates from Steady-State and Time-Resolved Fluorescence of Single-Tryptophan-Containing Proteins. Biochemistry, 2011, 50, 3441-3450.	2.5	26
62	Proline 68 Enhances Photoisomerization Yield in Photoactive Yellow Protein. Journal of Physical Chemistry B, 2011, 115, 6668-6677.	2.6	17
63	The Hydrogen-Bond Switch Reaction of the Blrb Bluf Domain of <i>Rhodobacter sphaeroides</i>. Journal of Physical Chemistry B, 2011, 115, 7963-7971.	2.6	31
64	Charge Separation is Virtually Irreversible in Photosystem II Core Complexes with Oxidized Primary Quinone Acceptor. Journal of Physical Chemistry A, 2011, 115, 3947-3956.	2.5	47
65	The Photochemistry of Bacteriophytochrome: Key to its Use as a Deep-Tissue Fluorescence Probe. Biophysical Journal, 2011, 100, 174a.	0.5	3
66	Excitation-Energy Transfer Dynamics of Higher Plant Photosystem I Light-Harvesting Complexes. Biophysical Journal, 2011, 100, 1372-1380.	0.5	53
67	Minor Complexes at Work: Light-Harvesting by Carotenoids in the Photosystem II Antenna Complexes CP24 and CP26. Biophysical Journal, 2011, 100, 2829-2838.	0.5	13
68	The Role of the Individual Lhcas in Photosystem I Excitation Energy Trapping. Biophysical Journal, 2011, 101, 745-754.	0.5	89
69	On the Involvement of Single-Bond Rotation in the Primary Photochemistry of Photoactive Yellow Protein. Biophysical Journal, 2011, 101, 1184-1192.	0.5	32
70	Flow of Excitation Energy in the Cryptophyte Light-Harvesting Antenna Phycocyanin 645. Biophysical Journal, 2011, 101, 1004-1013.	0.5	41
71	Broadband Spectral Probing Revealing Ultrafast Photochemical Branching after Ultraviolet Excitation of the Aqueous Phenolate Anion. Journal of Physical Chemistry A, 2011, 115, 3807-3819.	2.5	54
72	Proton transfer events in GFP. Physical Chemistry Chemical Physics, 2011, 13, 16295.	2.8	43

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73	Site, Rate, and Mechanism of Photoprotective Quenching in Cyanobacteria. <i>Journal of the American Chemical Society</i> , 2011, 133, 18304-18311.	13.7	128
74	Ultrafast carotenoid band shifts correlated with Chl _z excited states in the photosystem II reaction center: are the carotenoids involved in energy transfer?. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5573.	2.8	7
75	The Primary Photophysics of the <i>Avena sativa</i> Phototropin 1 LOV2 Domain Observed with Time-resolved Emission Spectroscopy. <i>Photochemistry and Photobiology</i> , 2011, 87, 534-541.	2.5	18
76	Profiling of dynamics in protein-lipid-water systems: a time-resolved fluorescence study of a model membrane protein with the label BADAN at specific membrane depths. <i>European Biophysics Journal</i> , 2010, 39, 647-656.	2.2	17
77	The light-harvesting function of carotenoids in the cyanobacterial stress-inducible IsiA complex. <i>Chemical Physics</i> , 2010, 373, 65-70.	1.9	28
78	Proton-transfer and hydrogen-bond interactions determine fluorescence quantum yield and photochemical efficiency of bacteriophytochrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9170-9175.	7.1	132
79	Exploiting the Rise Time of Acceptor Fluorescence by FRET-FLIM in Living Cells. <i>Biophysical Journal</i> , 2010, 98, 580a.	0.5	0
80	Two Different Charge Separation Pathways in Photosystem II. <i>Biochemistry</i> , 2010, 49, 4300-4307.	2.5	132
81	Protochlorophyllide Excited-State Dynamics in Organic Solvents Studied by Time-Resolved Visible and Mid-Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4335-4344.	2.6	40
82	Identification of excited-state energy transfer and relaxation pathways in the peridinin-chlorophyll complex: an ultrafast mid-infrared study. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9256.	2.8	54
83	Excited State Processes of 2-Butylamino-6-methyl-4-nitropyridine <i>N</i> -oxide in Nonpolar Solvents. A Transient Absorption Spectroscopy Study. <i>Journal of Physical Chemistry A</i> , 2010, 114, 4045-4050.	2.5	7
84	Global analysis of Förster resonance energy transfer in live cells measured by fluorescence lifetime imaging microscopy exploiting the rise time of acceptor fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7593.	2.8	78
85	Fast photo-processes in triazole-based push-pull systems. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2706.	2.8	25
86	Subpicosecond Excited-State Proton Transfer Preceding Isomerization During the Photorecovery of Photoactive Yellow Protein. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2793-2799.	4.6	26
87	An investigation of slow charge separation in a Tyrosine M210 to Tryptophan mutant of the <i>Rhodobacter sphaeroides</i> reaction center by femtosecond mid-infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2693.	2.8	13
88	The variable projection algorithm in time-resolved spectroscopy, microscopy and mass spectrometry applications. <i>Numerical Algorithms</i> , 2009, 51, 319-340.	1.9	35
89	Global analysis of multiple gas chromatography-mass spectrometry (GC/MS) data sets: A method for resolution of co-eluting components with comparison to MCR-ALS. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 95, 150-163.	3.5	36
90	Exciton migration and fluorescence quenching in LHClI aggregates: Target analysis using a simple nonlinear annihilation scheme. <i>Chemical Physics</i> , 2009, 357, 17-20.	1.9	15

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91	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
92	Reaction Pathways of Photoexcited Retinal in Proteorhodopsin Studied by Pump-Dump-Probe Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16251-16256.	2.6	19
93	Dynamics of Carbon Monoxide Photodissociation in <i>Bradyrhizobium japonicum</i> FixL Probed by Picosecond Midinfrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3292-3297.	2.6	10
94	Photoinduced Interactions in a Pyrene-Calix[4]arene-Perylene Bisimide Dye System: Probing Ground-State Conformations with Excited-State Dynamics of Charge Separation and Recombination. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18358-18368.	3.1	43
95	The Role of Key Amino Acids in the Photoactivation Pathway of the <i>Synechocystis</i> Slr1694 BLUF Domain. <i>Biochemistry</i> , 2009, 48, 11458-11469.	2.5	72
96	A Mechanism of Energy Dissipation in Cyanobacteria. <i>Biophysical Journal</i> , 2009, 96, 2261-2267.	0.5	67
97	Identification of the Intermediate Charge-Separated State P ⁺ L ⁻ in a Leucine M214 to Histidine Mutant of the <i>Rhodobacter sphaeroides</i> Reaction Center Using Femtosecond Midinfrared Spectroscopy. <i>Biophysical Journal</i> , 2009, 96, 4956-4965.	0.5	4
98	A Femtosecond Visible/Visible and Visible/Mid-Infrared Transient Absorption Study of the Light Harvesting Complex II. <i>Biophysical Journal</i> , 2009, 97, 3215-3223.	0.5	18
99	The Origin of the Low-Energy Form of Photosystem I Light-Harvesting Complex Lhca4: Mixing of the Lowest Exciton with a Charge-Transfer State. <i>Biophysical Journal</i> , 2009, 96, L35-L37.	0.5	74
100	Phycocyanin Sensitizes both Photosystem I and Photosystem II in Cryptophyte <i>Chroomonas CCMP270</i> Cells. <i>Biophysical Journal</i> , 2008, 94, 2423-2433.	0.5	25
101	On the Signaling Mechanism and the Absence of Photoreversibility in the AppA BLUF Domain. <i>Biophysical Journal</i> , 2008, 95, 312-321.	0.5	61
102	Characterization of the Primary Photochemistry of Proteorhodopsin with Femtosecond Spectroscopy. <i>Biophysical Journal</i> , 2008, 94, 4020-4030.	0.5	35
103	Hydrogen Bond Switching among Flavin and Amino Acid Side Chains in the BLUF Photoreceptor Observed by Ultrafast Infrared Spectroscopy. <i>Biophysical Journal</i> , 2008, 95, 4790-4802.	0.5	104
104	(Sub)-Picosecond Spectral Evolution of Fluorescence Studied with a Synchroscan Streak-Camera System and Target Analysis. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 223-240.	1.0	42
105	Conformational changes in an ultrafast light-driven enzyme determine catalytic activity. <i>Nature</i> , 2008, 456, 1001-1004.	27.8	133
106	Identification of the First Steps in Charge Separation in Bacterial Photosynthetic Reaction Centers of <i>Rhodobacter sphaeroides</i> by Ultrafast Mid-Infrared Spectroscopy: Electron Transfer and Protein Dynamics. <i>Biophysical Journal</i> , 2008, 95, 1268-1284.	0.5	45
107	Sequential FRET Processes in Calix[4]arene-Linked Orange-Red-Green Perylene Bisimide Dye Zigzag Arrays. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2476-2486.	3.1	75
108	Ground- and Excited-State Pinched Cone Equilibria in Calix[4]arenes Bearing Two Perylene Bisimide Dyes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14626-14638.	3.1	77

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109	Folding and unfolding of a photoswitchable peptide from picoseconds to microseconds. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5383-5388.	7.1	85
110	Pseudo Forward Ray-Tracing: A New Method for Surface Validation in Cornea Topography. Optometry and Vision Science, 2007, 84, E915-E923.	1.2	8
111	Structure and Photophysics of 2-(2-Pyridyl)benzindoles: The Role of Intermolecular Hydrogen Bonds. Journal of Physical Chemistry A, 2007, 111, 11400-11409.	2.5	22
112	Energy Transfer, Excited-State Deactivation, and Exciplex Formation in Artificial Caroteno-Phthalocyanine Light-Harvesting Antennas. Journal of Physical Chemistry B, 2007, 111, 6868-6877.	2.6	62
113	On the Role of Aromatic Side Chains in the Photoactivation of BLUF Domains. Biochemistry, 2007, 46, 7405-7415.	2.5	106
114	Excitation Energy Transfer in the Photosystem II Core Antenna Complex CP43 Studied by Femtosecond Visible/Visible and Visible/Mid-Infrared Pump Probe Spectroscopy. Journal of Physical Chemistry B, 2007, 111, 7345-7352.	2.6	31
115	Charge Separation and Energy Transfer in the Photosystem II Core Complex Studied by Femtosecond Midinfrared Spectroscopy. Biophysical Journal, 2007, 93, 2732-2742.	0.5	60
116	Triplet State Dynamics in Peridinin-Chlorophyll-a-Protein: A New Pathway of Photoprotection in LHCs?. Biophysical Journal, 2007, 93, 2118-2128.	0.5	50
117	Identification of a mechanism of photoprotective energy dissipation in higher plants. Nature, 2007, 450, 575-578.	27.8	808
118	Excited State Interactions in Calix[4]arene-Perylene Bisimide Dye Conjugates: Global and Target Analysis of Supramolecular Building Blocks. Journal of Physical Chemistry C, 2007, 111, 13988-13996.	3.1	65
119	Algorithms for separable nonlinear least squares with application to modelling time-resolved spectra. Journal of Global Optimization, 2007, 38, 201-213.	1.8	30
120	TIMP : An R Package for Modeling Multi-Way Spectroscopic Measurements. Journal of Statistical Software, 2007, 18, .	3.7	115
121	FluxSimulator : An R Package to Simulate Isotopomer Distributions in Metabolic Networks. Journal of Statistical Software, 2007, 18, .	3.7	8
122	Fluorescence Lifetime Imaging Microscopy (FLIM) Data Analysis withTIMP. Journal of Statistical Software, 2007, 18, .	3.7	16
123	Decomposing the Excited State Dynamics of Carotenoids in Light Harvesting Complexes and Dissecting Pulse Structures from Optimal Control Experiments. Springer Series in Chemical Physics, 2007, , 474-476.	0.2	0
124	Charge separation and energy transfer in a caroteno-C60dyad: photoinduced electron transfer from the carotenoid excited states. Photochemical and Photobiological Sciences, 2006, 5, 1142-1149.	2.9	21
125	Influence of the Crystalline State on Photoinduced Dynamics of Photoactive Yellow Protein Studied by Ultraviolet-Visible Transient Absorption Spectroscopy. Biophysical Journal, 2006, 90, 4224-4235.	0.5	52
126	Superabsorbing Fullerenes: Spectral and Kinetic Characterization of Photoinduced Interactions in Perylenediimide- Fullerene-C60Dyads. Journal of Physical Chemistry A, 2006, 110, 13123-13125.	2.5	31

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127	Use of Ultrafast Dispersed Pump-Dump-Probe and Pump-Repump-Probe Spectroscopies to Explore the Light-Induced Dynamics of Peridinin in Solution. <i>Journal of Physical Chemistry B</i> , 2006, 110, 512-521.	2.6	91
128	How Energy Funnels from the Phycoerythrin Antenna Complex to Photosystem I and Photosystem II in Cryptophyte <i>Rhodomonas CS24</i> Cells. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25066-25073.	2.6	52
129	Excited-State Dynamics of Carotenoids in Light-Harvesting Complexes. 1. Exploring the Relationship between the S ₁ and S* States. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5727-5736.	2.6	94
130	Energy Transfer in the Major Intrinsic Light-Harvesting Complex from <i>Amphidinium carterae</i> . <i>Biochemistry</i> , 2006, 45, 8516-8526.	2.5	76
131	Fast transient absorption spectroscopy of the early events in photoexcited chiral benzophenone-naphthalene dyads. <i>Chemical Physics Letters</i> , 2006, 429, 276-281.	2.6	4
132	(Sub)-Picosecond Spectral Evolution of Fluorescence in Photoactive Proteins Studied with a Synchroscan Streak Camera System. <i>Photochemistry and Photobiology</i> , 2006, 82, 380.	2.5	42
133	A comparison of the three isoforms of the light-harvesting complex II using transient absorption and time-resolved fluorescence measurements. <i>Photosynthesis Research</i> , 2006, 88, 269-285.	2.9	32
134	A Problem Solving Environment for interactive modelling of multiway data. <i>Concurrency Computation Practice and Experience</i> , 2006, 18, 263-269.	2.2	8
135	Hydrogen-bond switching through a radical pair mechanism in a flavin-binding photoreceptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10895-10900.	7.1	213
136	A simple artificial light-harvesting dyad as a model for excess energy dissipation in oxygenic photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5343-5348.	7.1	125
137	Ultrafast infrared spectroscopy reveals a key step for successful entry into the photocycle for photoactive yellow protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15050-15055.	7.1	97
138	Multi-Pulse Transient Absorption and Carotenoid Excited-State Dynamics: \hat{I}^2 -Carotene. <i>Springer Series in Chemical Physics</i> , 2005, , 592-594.	0.2	0
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