

Ivo H M Van Stokkum

List of Publications by Year in descending order

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252
papers

16,899
citations

10986

71
h-index

18647

119
g-index

257
all docs

257
docs citations

257
times ranked

10512
citing authors

#	ARTICLE	IF	CITATIONS
1	Global and target analysis of time-resolved spectra. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1657, 82-104.	1.0	1,354
2	Glotaran: A<i>Java</i>-Based Graphical User Interface for the<i>R</i>PackageTIMP. <i>Journal of Statistical Software</i> , 2012, 49, .	3.7	1,040
3	Identification of a mechanism of photoprotective energy dissipation in higher plants. <i>Nature</i> , 2007, 450, 575-578.	27.8	808
4	Estimation of protein secondary structure and error analysis from circular dichroism spectra. <i>Analytical Biochemistry</i> , 1990, 191, 110-118.	2.4	469
5	An unusual pathway of excitation energy deactivation in carotenoids: Singlet-to-triplet conversion on an ultrafast timescale in a photosynthetic antenna. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 2364-2369.	7.1	326
6	Measurement and global analysis of the absorbance changes in the photocycle of the photoactive yellow protein from <i>Ectothiorhodospira halophila</i> . <i>Biophysical Journal</i> , 1994, 67, 1691-1705.	0.5	261
7	Primary Reactions of the LOV2 Domain of Phototropin, a Plant Blue-Light Photoreceptor. <i>Biochemistry</i> , 2003, 42, 3385-3392.	2.5	214
8	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
9	Identifying the Pathways of Energy Transfer between Carotenoids and Chlorophylls in LHCII and CP29. A Multicolor, Femtosecond Pump-Probe Study. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9330-9342.	2.6	203
10	An alternative carotenoid-to-bacteriochlorophyll energy transfer pathway in photosynthetic light harvesting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6017-6022.	7.1	202
11	Time-Resolved Fluorescence Emission Measurements of Photosystem I Particles of Various Cyanobacteria: A Unified Compartmental Model. <i>Biophysical Journal</i> , 2001, 81, 407-424.	0.5	197
12	Initial electron donor and acceptor in isolated Photosystem II reaction centers identified with femtosecond mid-IR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13087-13092.	7.1	195
13	Ultrafast Energy-Electron Transfer Cascade in a Multichromophoric Light-Harvesting Molecular Square. <i>Journal of the American Chemical Society</i> , 2005, 127, 6719-6729.	13.7	188
14	Photocycle of the Flavin-Binding Photoreceptor AppA, a Bacterial Transcriptional Antirepressor of Photosynthesis Genes. <i>Biochemistry</i> , 2005, 44, 3653-3662.	2.5	171
15	Excited state dynamics of $\hat{1}^2$ -carotene explored with dispersed multi-pulse transient absorption. <i>Chemical Physics Letters</i> , 2003, 381, 733-742.	2.6	151
16	Spectroscopic Characterization of the Excitation Energy Transfer in the Fucoxanthin-Chlorophyll Protein of Diatoms. <i>Photosynthesis Research</i> , 2005, 86, 241-250.	2.9	151
17	Incoherent Manipulation of the Photoactive Yellow Protein Photocycle with Dispersed Pump-Dump-Probe Spectroscopy. <i>Biophysical Journal</i> , 2004, 87, 1858-1872.	0.5	143
18	First Excitation Energy Transfer in Peridinin-Chlorophyll-a-Protein. <i>Biophysical Journal</i> , 2000, 78, 344-353.	0.5	141

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19	Uncovering the hidden ground state of green fluorescent protein. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17988-17993.	7.1	135
20	Conformational changes in an ultrafast light-driven enzyme determine catalytic activity. Nature, 2008, 456, 1001-1004.	27.8	133
21	Proton-transfer and hydrogen-bond interactions determine fluorescence quantum yield and photochemical efficiency of bacteriophytochrome. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9170-9175.	7.1	132
22	Two Different Charge Separation Pathways in Photosystem II. Biochemistry, 2010, 49, 4300-4307.	2.5	132
23	Global Conformational Changes upon Receptor Stimulation in Photoactive Yellow Protein. Biochemistry, 1999, 38, 1009-1017.	2.5	130
24	Site, Rate, and Mechanism of Photoprotective Quenching in Cyanobacteria. Journal of the American Chemical Society, 2011, 133, 18304-18311.	13.7	128
25	Assessment of Heat Resistance of Bacterial Spores from Food Product Isolates by Fluorescence Monitoring of Dipicolinic Acid Release. Applied and Environmental Microbiology, 2005, 71, 3556-3564.	3.1	126
26	A simple artificial light-harvesting dyad as a model for excess energy dissipation in oxygenic photosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5343-5348.	7.1	125
27	The Flow of Excitation Energy in LHCII Monomers: Implications for the Structural Model of the Major Plant Antenna. Biophysical Journal, 1998, 75, 3064-3077.	0.5	124
28	Protein Secondary Structure from Fourier Transform Infrared and/or Circular Dichroism Spectra. Analytical Biochemistry, 1993, 214, 366-378.	2.4	123
29	Initial Steps of Signal Generation in Photoactive Yellow Protein Revealed with Femtosecond Mid-Infrared Spectroscopy. Biochemistry, 2003, 42, 10054-10059.	2.5	123
30	A New Pathway for Transmembrane Electron Transfer in Photosynthetic Reaction Centers of Rhodospirillum rubrum Not Involving the Excited Special Pair. Biochemistry, 1997, 36, 6855-6861.	2.5	122
31	Spectroscopic Properties of the CP43 Core Antenna Protein of Photosystem II. Biophysical Journal, 1999, 77, 3328-3340.	0.5	119
32	Protein folding thermodynamics applied to the photocycle of the photoactive yellow protein. Biophysical Journal, 1996, 71, 365-380.	0.5	118
33	TIMP: An R Package for Modeling Multi-Way Spectroscopic Measurements. Journal of Statistical Software, 2007, 18, .	3.7	115
34	Energy Transfer in the Peridinin Chlorophyll-a Protein of Amphidinium carterae Studied by Polarized Transient Absorption and Target Analysis. Biophysical Journal, 2001, 80, 2843-2855.	0.5	113
35	Initial Characterization of the Primary Photochemistry of AppA, a Blue-light-activated Flavin Adenine Dinucleotide domain Containing Transcriptional Antirepressor Protein from Rhodospirillum rubrum: A Key Role for Reversible Intramolecular Proton Transfer from the Flavin Adenine Dinucleotide Chromophore to a Conserved Tyrosine? Photochemistry and Photobiology, 2003, 78, 290.	2.5	113
36	Multiple pathways for ultrafast transduction of light energy in the photosynthetic reaction center of Rhodospirillum rubrum. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 2054-2059.	7.1	111

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37	Light Harvesting by Carotenoids Incorporated into the B850 Light-Harvesting Complex from <i>Rhodospira rubra</i> : Excited-State Relaxation, Ultrafast Triplet Formation, and Energy Transfer to Bacteriochlorophyll. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5642-5649.	2.6	111
38	Direct observation of sub-picosecond equilibration of excitation energy in the light-harvesting antenna of <i>Rhodospirillum rubrum</i> . <i>Biophysical Journal</i> , 1995, 69, 1083-1099.	0.5	109
39	Triplet and fluorescing states of the CP47 antenna complex of photosystem II studied as a function of temperature. <i>Biophysical Journal</i> , 1995, 68, 281-290.	0.5	109
40	Photoisomerization and Photoionization of the Photoactive Yellow Protein Chromophore in Solution. <i>Biophysical Journal</i> , 2004, 86, 2538-2550.	0.5	109
41	On the Role of Aromatic Side Chains in the Photoactivation of BLUF Domains. <i>Biochemistry</i> , 2007, 46, 7405-7415.	2.5	106
42	Subpicosecond dynamics in the excited state absorption of all-trans- β -Carotene. <i>Chemical Physics Letters</i> , 2002, 354, 38-43.	2.6	104
43	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
44	Light Harvesting by Chlorophylls and Carotenoids in the Photosystem I Core Complex of <i>Synechococcus elongatus</i> : A Fluorescence Upconversion Study. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4485-4494.	2.6	102
45	The LOV2 Domain of Phototropin: A Reversible Photochromic Switch. <i>Journal of the American Chemical Society</i> , 2004, 126, 4512-4513.	13.7	102
46	Temperature-dependent triplet and fluorescence quantum yields of the photosystem II reaction center described in a thermodynamic model. <i>Biophysical Journal</i> , 1994, 67, 318-330.	0.5	100
47	Probing the many energy-transfer processes in the photosynthetic light-harvesting complex II at 77 K using energy-selective sub-picosecond transient absorption spectroscopy. <i>Chemical Physics</i> , 1996, 210, 297-312.	1.9	98
48	Ultrafast Excited and Ground-State Dynamics of the Green Fluorescent Protein Chromophore in Solution. <i>Journal of Physical Chemistry A</i> , 2004, 108, 4587-4598.	2.5	97
49	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
50	Pathways for Energy Transfer in the Core Light-Harvesting Complexes CP43 and CP47 of Photosystem II. <i>Biophysical Journal</i> , 2002, 82, 1586-1597.	0.5	96
51	Excited-State Dynamics of Carotenoids in Light-Harvesting Complexes. 1. Exploring the Relationship between the S1 and S* States. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5727-5736.	2.6	94
52	Enhanced Hydrogen Bonding Induced by Optical Excitation: Unexpected Subnanosecond Photoinduced Dynamics in a Peptide-Based [2]Rotaxane. <i>Journal of the American Chemical Society</i> , 2001, 123, 11327-11328.	13.7	93
53	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
54	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

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55	The Role of the Individual Lhcas in Photosystem I Excitation Energy Trapping. <i>Biophysical Journal</i> , 2011, 101, 745-754.	0.5	89
56	Energy Transfer in LHCI Monomers at 77K Studied by Sub-Picosecond Transient Absorption Spectroscopy. <i>Biochemistry</i> , 1997, 36, 15262-15268.	2.5	88
57	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
58	Folding and unfolding of a photoswitchable peptide from picoseconds to microseconds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5383-5388.	7.1	85
59	Different carotenoid conformations have distinct functions in light-harvesting regulation in plants. <i>Nature Communications</i> , 2017, 8, 1994.	12.8	83
60	Formation of a Long-Lived P+BA- State in Plant Pheophytin-Exchanged Reaction Centers of <i>Rhodobacter sphaeroides</i> R26 at Low Temperature. <i>Biochemistry</i> , 1997, 36, 16231-16238.	2.5	82
61	Kinetics of excitation trapping in intact Photosystem I of <i>Chlamydomonas reinhardtii</i> and <i>Arabidopsis thaliana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1706, 267-275.	1.0	82
62	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
63	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
64	Pigment Organization and Energy Transfer Dynamics in Isolated Photosystem I (PSI) Complexes from <i>Arabidopsis thaliana</i> Depleted of the PSI-G, PSI-K, PSI-L, or PSI-N Subunit. <i>Biophysical Journal</i> , 2002, 83, 2190-2201.	0.5	77
65	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
66	Ultrafast enzymatic reaction dynamics in protochlorophyllide oxidoreductase. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 491-492.	8.2	76
67	Energy Transfer in the Major Intrinsic Light-Harvesting Complex from <i>Amphidinium carterae</i> . <i>Biochemistry</i> , 2006, 45, 8516-8526.	2.5	76
68	Characterization of the Light-Harvesting Antennas of Photosynthetic Purple Bacteria by Stark Spectroscopy. 1. LH1 Antenna Complex and the B820 Subunit from <i>Rhodospirillum rubrum</i> . <i>Journal of Physical Chemistry B</i> , 1997, 101, 7284-7292.	2.6	75
69	Charge separation in the reaction center of photosystem II studied as a function of temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 4389-4394.	7.1	75
70	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
71	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
72	Excitation Wavelength Dependence of the Fluorescence Kinetics in Photosystem I Particles from <i>Synechocystis</i> PCC 6803 and <i>Synechococcus elongatus</i> . <i>Biophysical Journal</i> , 2003, 85, 3883-3898.	0.5	73

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73	Contrasting the Excited-State Dynamics of the Photoactive Yellow Protein Chromophore: Protein versus Solvent Environments. <i>Biophysical Journal</i> , 2004, 87, 1848-1857.	0.5	72
74	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
75	Electric Field Effects on the Chlorophylls, Pheophytins, and β -Carotenes in the Reaction Center of Photosystem II. <i>Biochemistry</i> , 2003, 42, 9205-9213.	2.5	71
76	Probing the Structure and Dynamics of a DNA Hairpin by Ultrafast Quenching and Fluorescence Depolarization. <i>Biophysical Journal</i> , 2001, 81, 1115-1126.	0.5	70
77	Resolving the Excited State Equilibrium of Peridinin in Solution. <i>Biochemistry</i> , 2004, 43, 15303-15309.	2.5	70
78	Fluorescence quantum yield and photochemistry of bacteriophytochrome constructs. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11985.	2.8	70
79	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
80	The role of the N-terminal domain of photoactive yellow protein in the transient partial unfolding during signalling state formation. <i>FEBS Letters</i> , 2001, 497, 26-30.	2.8	68
81	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
82	A Mechanism of Energy Dissipation in Cyanobacteria. <i>Biophysical Journal</i> , 2009, 96, 2261-2267.	0.5	67
83	The primary events in the photoactivation of yellow protein. <i>Chemical Physics Letters</i> , 1997, 270, 263-266.	2.6	66
84	Excited State Interactions in Calix[4]arene π -Perylene Bisimide Dye Conjugates: Global and Target Analysis of Supramolecular Building Blocks. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13988-13996.	3.1	65
85	Title is missing!. <i>Photosynthesis Research</i> , 1997, 54, 115-126.	2.9	64
86	Ultrafast singlet excitation transfer from carotenoids to chlorophylls via different pathways in light-harvesting complex II of higher plants. <i>Chemical Physics Letters</i> , 1997, 264, 279-284.	2.6	62
87	Energy Transfer, Excited-State Deactivation, and Exciplex Formation in Artificial Caroteno-Phthalocyanine Light-Harvesting Antennas. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6868-6877.	2.6	62
88	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
89	Charge Separation and Energy Transfer in the Photosystem II Core Complex Studied by Femtosecond Midinfrared Spectroscopy. <i>Biophysical Journal</i> , 2007, 93, 2732-2742.	0.5	60
90	The primary photoreaction of photoactive yellow protein (PYP): anisotropy changes and excitation wavelength dependence. <i>Chemical Physics Letters</i> , 2002, 356, 347-354.	2.6	58

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91	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
92	Deuterium Isotope Effects in the Photocycle Transitions of the Photoactive Yellow Protein. <i>Biophysical Journal</i> , 2003, 84, 1180-1191.	0.5	57
93	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
94	Broadband Spectral Probing Revealing Ultrafast Photochemical Branching after Ultraviolet Excitation of the Aqueous Phenolate Anion. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3807-3819.	2.5	54
95	Excitation-Energy Transfer Dynamics of Higher Plant Photosystem I Light-Harvesting Complexes. <i>Biophysical Journal</i> , 2011, 100, 1372-1380.	0.5	53
96	Energy Transfer in LH2 of <i>Rhodospirillum rubrum</i> , Studied by Subpicosecond Spectroscopy and Configuration Interaction Exciton Calculations. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9849-9856.	2.6	52
97	Electric field effects on red chlorophylls, β -carotenes and P700 in cyanobacterial Photosystem I complexes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1554, 180-191.	1.0	52
98	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
99	Influence of the Crystalline State on Photoinduced Dynamics of Photoactive Yellow Protein Studied by Ultraviolet-Visible Transient Absorption Spectroscopy. <i>Biophysical Journal</i> , 2006, 90, 4224-4235.	0.5	52
100	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
101	Initial photo-induced dynamics of the photoactive yellow protein chromophore in solution. <i>Chemical Physics Letters</i> , 2003, 369, 563-569.	2.6	51
102	Triplet State Dynamics in Peridinin-Chlorophyll-a-Protein: A New Pathway of Photoprotection in LHCs?. <i>Biophysical Journal</i> , 2007, 93, 2118-2128.	0.5	50
103	PSI-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
104	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
105	Excitation Energy Transfer in Dimeric Light Harvesting Complex I: A Combined Streak-Camera/Fluorescence Upconversion Study. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10132-10139.	2.6	49
106	Reaction dynamics of the chimeric channelrhodopsin C1C2. <i>Scientific Reports</i> , 2017, 7, 7217.	3.3	48
107	Charge Separation is Virtually Irreversible in Photosystem II Core Complexes with Oxidized Primary Quinone Acceptor. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3947-3956.	2.5	47
108	Ultrafast transient-absorption and steady-state fluorescence measurements on 2-aminopurine substituted dinucleotides and 2-aminopurine substituted DNA duplexes. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 154.	2.8	45

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109	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
110	Quantitative analysis of decay transients applied to a multimode pulsed cavity ringdown experiment. <i>Applied Optics</i> , 2001, 40, 4416.	2.1	44
111	Subpicosecond Transient Absorption Difference Spectroscopy on the Reaction Center of Photosystem II: Radical Pair Formation at 77 K. <i>The Journal of Physical Chemistry</i> , 1995, 99, 15304-15309.	2.9	43
112	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
113	Primary Reactions of Bacteriophytochrome Observed with Ultrafast Mid-Infrared Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3778-3786.	2.5	43
114	Proton transfer events in GFP. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16295.	2.8	43
115	(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
116	(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
117	Primary Charge Separation Routes in the BChl:BPhe Heterodimer Reaction Centers of <i>Rhodobacter sphaeroides</i> . <i>Biochemistry</i> , 1999, 38, 7545-7555.	2.5	41
118	Target Analysis of the Bacteriorhodopsin Photocycle Using a Spectrotemporal Model. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3477-3485.	2.6	41
119	Flow of Excitation Energy in the Cryptophyte Light-Harvesting Antenna Phycocyanin 645. <i>Biophysical Journal</i> , 2011, 101, 1004-1013.	0.5	41
120	A new model for the inference of population characteristics from experimental data using uncertainties. Application to interlaboratory studies. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2000, 53, 37-55.	3.5	40
121	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
122	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
123	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
124	Conformational Dynamics of Semiflexibly Bridged Donor-Acceptor Systems Studied with a Streak Camera and Spectrotemporal Parametrization of Fluorescence. <i>Journal of Physical Chemistry A</i> , 1999, 103, 653-659.	2.5	39
125	Comparison of acid denaturation and light activation in the eubacterial blue-light receptor photoactive yellow protein. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1322, 151-162.	1.0	38
126	Spectroscopic Properties of a Self-Assembled Zinc Porphyrin Tetramer II. Time-Resolved Fluorescence Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2001, 105, 11432-11440.	2.5	37

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127	Cofactors Involved in Light-Driven Charge Separation in Photosystem I Identified by Subpicosecond Infrared Spectroscopy. <i>Biochemistry</i> , 2011, 50, 480-490.	2.5	37
128	Excitation energy trapping in photosystem I complexes depleted in Lhca1 and Lhca4. <i>FEBS Letters</i> , 2005, 579, 4787-4791.	2.8	36
129	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
130	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
131	Oligomerization of Light-Harvesting I Antenna Peptides of <i>Rhodospirillum rubrum</i> . <i>Biochemistry</i> , 2001, 40, 12913-12924.	2.5	35
132	Characterization of the Primary Photochemistry of Proteorhodopsin with Femtosecond Spectroscopy. <i>Biophysical Journal</i> , 2008, 94, 4020-4030.	0.5	35
133	The variable projection algorithm in time-resolved spectroscopy, microscopy and mass spectrometry applications. <i>Numerical Algorithms</i> , 2009, 51, 319-340.	1.9	35
134	Excitation Decay Pathways of Lhca Proteins: A Time-Resolved Fluorescence Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21150-21158.	2.6	33
135	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
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