

Wolfgang Zinth

List of Publications by Year in descending order

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265
papers

11,876
citations

19608

61
h-index

31759

101
g-index

287
all docs

287
docs citations

287
times ranked

6821
citing authors

#	ARTICLE	IF	CITATIONS
1	Thymine Dimerization in DNA Is an Ultrafast Photoreaction. <i>Science</i> , 2007, 315, 625-629.	6.0	496
2	Femtosecond photoisomerization of cis-azobenzene. <i>Chemical Physics Letters</i> , 1997, 272, 489-495.	1.2	370
3	Vibrational cooling after ultrafast photoisomerization of azobenzene measured by femtosecond infrared spectroscopy. <i>Journal of Chemical Physics</i> , 1997, 106, 519-529.	1.2	350
4	Anle138b: a novel oligomer modulator for disease-modifying therapy of neurodegenerative diseases such as prion and Parkinson's disease. <i>Acta Neuropathologica</i> , 2013, 125, 795-813.	3.9	327
5	Initial electron-transfer in the reaction center from <i>Rhodobacter sphaeroides</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 5168-5172.	3.3	306
6	Generation of 10 to 50 fs pulses tunable through all of the visible and the NIR. <i>Applied Physics B: Lasers and Optics</i> , 2000, 71, 457-465.	1.1	305
7	Femtosecond stimulated Raman microscopy. <i>Applied Physics B: Lasers and Optics</i> , 2007, 87, 389-393.	1.1	291
8	Observation of a bacteriochlorophyll anion radical during the primary charge separation in a reaction center. <i>Chemical Physics Letters</i> , 1989, 160, 1-7.	1.2	278
9	Excited-state reaction dynamics of bacteriorhodopsin studied by femtosecond spectroscopy. <i>Chemical Physics Letters</i> , 1988, 144, 215-220.	1.2	269
10	The accessory bacteriochlorophyll: a real electron carrier in primary photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 11757-11761.	3.3	224
11	Ultrafast spectroscopy reveals subnanosecond peptide conformational dynamics and validates molecular dynamics simulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7998-8002.	3.3	199
12	Early Picosecond Events in the Photocycle of Bacteriorhodopsin. <i>Biophysical Journal</i> , 1986, 49, 651-662.	0.2	189
13	The First Picoseconds in Bacterial Photosynthesis? Ultrafast Electron Transfer for the Efficient Conversion of Light Energy. <i>ChemPhysChem</i> , 2005, 6, 871-880.	1.0	178
14	Energetics of the primary electron transfer reaction revealed by ultrafast spectroscopy on modified bacterial reaction centers. <i>Chemical Physics Letters</i> , 1994, 223, 116-120.	1.2	173
15	Amplified femtosecond pulses from an Er: fiber system: Nonlinear pulse shortening and selfreferencing detection of the carrier-envelope phase evolution. <i>Optics Express</i> , 2003, 11, 594.	1.7	171
16	Terahertz quantum beats in molecular liquids. <i>Chemical Physics Letters</i> , 1987, 133, 373-377.	1.2	169
17	Early Events of DNA Photodamage. <i>Annual Review of Physical Chemistry</i> , 2015, 66, 497-519.	4.8	166
18	Picosecond conformational transition and equilibration of a cyclic peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 6452-6457.	3.3	156

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19	Analysis of optical spectra from single crystals of Rhodospseudomonas viridis reaction centers. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 8463-8467.	3.3	145
20	Femtosecond spectroscopy of the first events of the photochemical cycle in bacteriorhodopsin. Chemical Physics Letters, 1985, 117, 1-7.	1.2	145
21	Fluorescence spectra of trans- and cis-azobenzene π emission from the Franck-Condon state. Chemical Physics Letters, 2003, 372, 216-223.	1.2	144
22	Role of tyrosine M210 in the initial charge separation of reaction centers of Rhodospira rubra. Biochemistry, 1990, 29, 8517-8521.	1.2	134
23	Femtosecond carrier relaxation in semiconductor-doped glasses. Applied Physics Letters, 1986, 49, 1717-1719.	1.5	133
24	Time-gated transillumination of biological tissues and tissue-like phantoms. Applied Optics, 1994, 33, 6699.	2.1	122
25	A femtosecond stimulated Raman spectrograph for the near ultraviolet. Applied Physics B: Lasers and Optics, 2006, 85, 557-564.	1.1	116
26	Femtosecond spectroscopy of the photoisomerisation of the protonated Schiff base of all-trans retinal. Chemical Physics Letters, 1996, 263, 613-621.	1.2	114
27	Charge separation and charge delocalization identified in long-living states of photoexcited DNA. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4369-4374.	3.3	108
28	Temperature dependence of the primary electron transfer in photosynthetic reaction centers from Rhodospira rubra. Chemical Physics Letters, 1991, 183, 471-477.	1.2	106
29	Thymine Dimerization in DNA Model Systems: Cyclobutane Photolesion Is Predominantly Formed via the Singlet Channel. Journal of the American Chemical Society, 2009, 131, 5038-5039.	6.6	105
30	Subpicosecond emission studies of bacterial reaction centers. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1142, 99-105.	0.5	101
31	A Photocontrolled β -Hairpin Peptide. Chemistry - A European Journal, 2006, 12, 1114-1120.	1.7	100
32	Twisted Hemithioindigo Photoswitches: Solvent Polarity Determines the Type of Light-Induced Rotations. Journal of the American Chemical Society, 2016, 138, 12219-12227.	6.6	92
33	Noncollinear optical parametric amplifiers with output parameters improved by the application of a white light continuum generated in CaF ₂ . Optics Communications, 2001, 194, 443-448.	1.0	88
34	Light-triggered β -hairpin folding and unfolding. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15729-15734.	3.3	88
35	Vibrational relaxation following ultrafast internal conversion: comparing IR and Raman probing. Chemical Physics Letters, 2004, 392, 358-364.	1.2	85
36	A broadband Kerr shutter for femtosecond fluorescence spectroscopy. Applied Physics B: Lasers and Optics, 2003, 76, 809-814.	1.1	84

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37	The Photochemistry of Nitrobenzaldehyde as Seen by Femtosecond Vibrational Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7901-7904.	7.2	81
38	Spectroscopic characterization of reaction centers of the (M)Y210W mutant of the photosynthetic bacterium <i>Rhodospirillum rubrum</i> . <i>Photosynthesis Research</i> , 1994, 40, 55-66.	1.6	80
39	Ultrafast Conformational Dynamics in Cyclic Azobenzene Peptides of Increased Flexibility. <i>Biophysical Journal</i> , 2004, 86, 2350-2362.	0.2	79
40	Detailed studies of the subpicosecond kinetics in the primary electron transfer of reaction centers of <i>Rhodospirillum rubrum</i> . <i>Chemical Physics Letters</i> , 1991, 183, 270-276.	1.2	78
41	Wavepacket motion and ultrafast electron transfer in the system oxazine 1 in <i>N,N</i> -dimethylaniline. <i>Chemical Physics Letters</i> , 1997, 275, 363-369.	1.2	78
42	Making Fast Photoswitches Faster—Using Hammett Analysis to Understand the Limit of Donor–Acceptor Approaches for Faster Hemithioindigo Photoswitches. <i>Chemistry - A European Journal</i> , 2014, 20, 13984-13992.	1.7	78
43	Generation of tunable subpicosecond light pulses in the midinfrared between 45 and 115 μm . <i>Optics Letters</i> , 1993, 18, 1943.	1.7	74
44	Femtosecond Fluorescence and Absorption Dynamics of an Azobenzene with a Strong Push–Pull Substitution. <i>Journal of Physical Chemistry A</i> , 2004, 108, 4399-4404.	1.1	74
45	Time resolved observation of resonant and non-resonant contributions to the nonlinear susceptibility $\chi^{(3)}$. <i>Optics Communications</i> , 1978, 26, 457-462.	1.0	72
46	Correlation of structural and spectroscopic properties of a photosynthetic reaction center. <i>Chemical Physics Letters</i> , 1985, 119, 1-4.	1.2	72
47	The Hammett Relationship and Reactions in the Excited Electronic State: Hemithioindigo $Z \rightarrow E$ -Photoisomerization. <i>Journal of Physical Chemistry A</i> , 2008, 112, 581-588.	1.1	72
48	Vibrational Coherence in Photosynthetic Reaction Centers Observed in the Bacteriochlorophyll Anion Band. <i>Journal of Physical Chemistry B</i> , 1998, 102, 7492-7496.	1.2	70
49	Loop formation in unfolded polypeptide chains on the picoseconds to microseconds time scale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2163-2168.	3.3	70
50	Hemithioindigo-based photoswitches as ultrafast light trigger in chromopeptides. <i>Chemical Physics Letters</i> , 2006, 428, 167-173.	1.2	69
51	Fast dephasing processes studied with a femtosecond coherent Raman system. <i>IEEE Journal of Quantum Electronics</i> , 1988, 24, 455-459.	1.0	68
52	UV-Induced Charge Transfer States in DNA Promote Sequence Selective Self-Repair. <i>Journal of the American Chemical Society</i> , 2016, 138, 186-190.	6.6	68
53	Mechanism of UV-Induced Formation of Dewar Lesions in DNA. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 408-411.	7.2	67
54	Primary electron-transfer dynamics in modified bacterial reaction centers containing pheophytin-a instead of bacteriopheophytin-a. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995, 51, 1565-1578.	2.0	66

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55	Vibrational coherence in ultrafast electron-transfer dynamics of oxazine 1 in N,N-dimethylaniline: simulation of a femtosecond pump-probe experiment. <i>Chemical Physics</i> , 1998, 233, 323-334.	0.9	66
56	New results on ultrafast coherent excitation of molecular vibrations in liquids. <i>Applied Physics Berlin</i> , 1981, 26, 77-88.	1.4	65
57	Femtosecond infrared spectroscopy of reaction centers from <i>Rhodobacter sphaeroides</i> between 1000 and 1800 cm ⁻¹ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 1826-1830.	3.3	65
58	Comparing a Photoinduced Pericyclic Ring Opening and Closure: Differences in the Excited State Pathways. <i>Journal of the American Chemical Society</i> , 2007, 129, 8577-8584.	6.6	65
59	Primary reactions of sensory rhodopsins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 962-967.	3.3	64
60	Fast and exceptionally slow vibrational energy transfer in acetylene and phenylacetylene in solution. <i>Journal of Chemical Physics</i> , 1983, 78, 3916-3921.	1.2	63
61	Nonexponentialities in the Ultrafast Electron-Transfer Dynamics in the System Oxazine 1 in N,N-Dimethylaniline. <i>Journal of Physical Chemistry A</i> , 1999, 103, 3013-3019.	1.1	61
62	Visualization of transient absorption dynamics towards a qualitative view of complex reaction kinetics. <i>Chemical Physics</i> , 2003, 295, 287-295.	0.9	59
63	Watson's Crick Base Pairing Controls Excited State Decay in Natural DNA. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11366-11369.	7.2	59
64	Transferring the entatic-state principle to copper photochemistry. <i>Nature Chemistry</i> , 2018, 10, 355-362.	6.6	59
65	The initial reaction dynamics of the light-driven chloride pump halorhodopsin. <i>Chemical Physics Letters</i> , 1995, 241, 559-565.	1.2	58
66	Molecular Driving Forces for Z/E Isomerization Mediated by Heteroatoms: The Example Hemithioindigo. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13016-13030.	1.1	58
67	Ultrafast photoisomerization of azobenzene compounds. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 105, 283-288.	2.0	57
68	Light-Switchable Hemithioindigo-Hemistilbene-Containing Peptides: Ultrafast Spectroscopy of the Z to E Isomerization of the Chromophore and the Structural Dynamics of the Peptide Moiety. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4181-4191.	1.2	57
69	Anle138b and related compounds are aggregation specific fluorescence markers and reveal high affinity binding to I \pm -synuclein aggregates. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1884-1890.	1.1	52
70	Terahertz beats of vibrational modes studied by femtosecond coherent Raman spectroscopy. <i>Revue De Physique Appliquée</i> , 1987, 22, 1735-1741.	0.4	52
71	Efficient photochemical activity and strong dichroism of single crystals of reaction centers from <i>Rhodospseudomonas viridis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1983, 723, 128-131.	0.5	51
72	Ultrafast Quenching of the Xanthone Triplet by Energy Transfer: A New Insight into the Intersystem Crossing Kinetics. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10072-10079.	1.1	51

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73	A multichannel detection system for application in ultra-fast spectroscopy. <i>Measurement Science and Technology</i> , 1997, 8, 449-452.	1.4	50
74	Primary photosynthesis in reaction centers containing four different types of electron acceptors at site HA. <i>Chemical Physics</i> , 1995, 197, 297-305.	0.9	49
75	Electron Transfer Dynamics of <i>Rhodospseudomonas viridis</i> Reaction Centers with a Modified Binding Site for the Accessory Bacteriochlorophyll. <i>Biochemistry</i> , 1996, 35, 9235-9244.	1.2	49
76	Title is missing!. <i>Photosynthesis Research</i> , 1998, 55, 153-162.	1.6	48
77	Chemical control of Hemithioindigo-photoisomerization – Substituent-effects on different molecular parts. <i>Chemical Physics Letters</i> , 2008, 455, 197-201.	1.2	48
78	Second harmonic beam analysis, a sensitive technique to determine the duration of single ultrashort laser pulses. <i>Optics Communications</i> , 1979, 30, 453-457.	1.0	47
79	Picosecond events in the photochemical cycle of the light-driven chloride-pump halorhodopsin. <i>Biophysical Journal</i> , 1985, 47, 55-59.	0.2	47
80	On the unusual fluorescence properties of xanthone in water. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3432.	1.3	46
81	Highly sensitive multichannel spectrometer for subpicosecond spectroscopy in the midinfrared. <i>Optics Letters</i> , 1994, 19, 1642.	1.7	45
82	Ultrafast initial reaction in bacterial photosynthesis revealed by femtosecond infrared spectroscopy. <i>The Journal of Physical Chemistry</i> , 1995, 99, 13537-13544.	2.9	45
83	Kinetics, Energetics, and Electronic Coupling of the Primary Electron Transfer Reactions in Mutated Reaction Centers of <i>Blastochloris viridis</i> . <i>Biophysical Journal</i> , 2002, 82, 3186-3197.	0.2	45
84	Chirp Dependence of Wave Packet Motion in Oxazine 1. <i>Journal of Physical Chemistry A</i> , 2005, 109, 10488-10492.	1.1	45
85	Generation of chirp-free picosecond pulses. <i>Optics Communications</i> , 1977, 22, 161-164.	1.0	44
86	Ingredients to TICT Formation in Donor Substituted Hemithioindigo. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1585-1592.	2.1	44
87	Primary electron transfer in modified bacterial reaction centers: optimization of the first events in photosynthesis. <i>Chemical Physics Letters</i> , 2000, 322, 454-464.	1.2	42
88	Ultrafast ring opening reaction of a photochromic indolyl-fulgimide. <i>Chemical Physics Letters</i> , 2006, 417, 266-271.	1.2	42
89	Ultrafast Hemithioindigo-based peptide-switches. <i>Chemical Physics</i> , 2009, 358, 103-110.	0.9	42
90	Accelerated and Efficient Photochemistry from Higher Excited Electronic States in Fulgide Molecules. <i>Journal of Physical Chemistry A</i> , 2008, 112, 13364-13371.	1.1	41

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91	Generation of femtosecond light pulses in the near infrared around $\lambda = 850$ nm. Optics Communications, 1986, 57, 407-409.	1.0	40
92	Ultrafast Structural Dynamics of Photochromic Indolylfulgimides Studied by Vibrational Spectroscopy and DFT Calculations. Journal of Physical Chemistry A, 2006, 110, 12769-12776.	1.1	38
93	Ring-opening reaction of a trifluorinated indolylfulgide: mode-specific photochemistry after pre-excitation. Physical Chemistry Chemical Physics, 2009, 11, 5019.	1.3	38
94	Photostability of 4,4'-dihydroxythioindigo, a Mimetic of Indigo. Angewandte Chemie - International Edition, 2014, 53, 591-594.	7.2	38
95	Mechanism of the Decay of Thymine Triplets in DNA Single Strands. Journal of Physical Chemistry Letters, 2014, 5, 1616-1622.	2.1	38
96	Stable operation of a synchronously pumped colliding-pulse mode-locked ring dye laser. Optics Letters, 1985, 10, 16.	1.7	37
97	Energy transfer from retinal to amino acids – a time-resolved study of the ultraviolet emission of bacteriorhodopsin. Biochimica Et Biophysica Acta - Bioenergetics, 1986, 851, 407-415.	0.5	36
98	The detailed balance limit of photochemical energy conversion. Physical Chemistry Chemical Physics, 2010, 12, 422-432.	1.3	36
99	Ultrafast Phenomena XI. Springer Series in Chemical Physics, 1998, , .	0.2	36
100	Photochemical <i>Z</i> \rightarrow <i>E</i> Isomerization of a Hemithioindigo/Hemistilbene – Amino Acid. ChemPhysChem, 2007, 8, 1713-1721.	1.0	35
101	Optical picosecond studies of bacteriorhodopsin containing a sterically fixed retinal. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 767, 635-639.	0.5	33
102	Influence of M subunit Thr222 and Trp252 on quinone binding and electron transfer in Rhodobacter sphaeroides reaction centres. FEBS Journal, 1994, 223, 233-242.	0.2	33
103	All-Optical Operation Cycle on Molecular Bits with 250 GHz Clock Rate Based on Photochromic Fulgides. Advanced Functional Materials, 2007, 17, 3657-3662.	7.8	33
104	Subpicosecond infrared spectroscopy on the photoisomerisation of the protonated Schiff base of all-trans retinal. Chemical Physics Letters, 1997, 268, 180-186.	1.2	32
105	Time-Resolved Spectroscopy of the Primary Electron Transfer in Reaction Centers of Rhodobacter sphaeroides and Rhodopseudomonas viridis. , 1993, , 71-88.		32
106	Changes of vibrational lifetimes with minor structural modification of small polyatomic molecules. Chemical Physics Letters, 1982, 91, 323-328.	1.2	31
107	Identification of charge separated states in thymine single strands. Chemical Communications, 2014, 50, 15623-15626.	2.2	30
108	A new Raman technique of superior spectral resolution. Chemical Physics Letters, 1982, 88, 257-261.	1.2	29

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109	Redistribution and Relaxation of Vibrational Excitation of CH-Stretching Modes in 1,1-Dichloroethylene and 1,1,1-Trichloroethane. <i>Journal of Physical Chemistry A</i> , 2000, 104, 4218-4222.	1.1	29
110	Picosecond dynamics in water-soluble azobenzene-peptides. <i>Chemical Physics Letters</i> , 2004, 396, 191-197.	1.2	29
111	Transient coherent Raman scattering in the time and frequency domain. <i>Optics Communications</i> , 1980, 34, 479-482.	1.0	28
112	Primary electron transfer kinetics in bacterial reaction centers with modified bacteriochlorophylls at the monomeric sites BA,B.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 9514-9518.	3.3	28
113	Structure and multiple conformations of the Kunitz-type domain from human type VI collagen $\hat{1}\pm 3(VI)$ chain in solution. <i>Structure</i> , 1996, 4, 195-209.	1.6	28
114	Ultrafast spectroscopy of the electron transfer in photosynthetic reaction centres: towards a better understanding of electron transfer in biological systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1998, 356, 465-476.	1.6	28
115	Ultrafast Changes of Molecular Crystal Structure Induced by Dipole Solvation. <i>Physical Review Letters</i> , 2007, 98, 248301.	2.9	28
116	Quantum Yield of Cyclobutane Pyrimidine Dimer Formation Via the Triplet Channel Determined by Photosensitization. <i>Journal of Physical Chemistry B</i> , 2016, 120, 292-298.	1.2	28
117	Time-resolved spectroscopy of the primary photosynthetic processes of membrane-bound reaction centers from an antenna-deficient mutant of <i>Rhodobacter capsulatus</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993, 1144, 385-390.	0.5	27
118	Photoswitchable Elements within a Peptide Backbone Ultrafast Spectroscopy of Thioxylated Amides. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4770-4775.	1.2	27
119	Light-Triggered Aggregation and Disassembly of Amyloid-Like Structures. <i>ChemPhysChem</i> , 2011, 12, 559-562.	1.0	27
120	Ultrafast intramolecular electron transfer from a ferrocene donor moiety to a Nile blue acceptor. <i>Chemical Physics Letters</i> , 2002, 352, 176-184.	1.2	26
121	Ultrafast dynamics and temperature effects on the quantum efficiency of the ring-opening reaction of a photochromic indolylfulgide. <i>Journal of Molecular Liquids</i> , 2008, 141, 137-139.	2.3	26
122	Theoretical and experimental investigations of a passively mode-locked Nd: Glass laser. <i>Applied Physics A: Materials Science and Processing</i> , 1981, 24, 341-348.	1.1	25
123	ONIOM approach for non-adiabatic on-the-fly molecular dynamics demonstrated for the backbone controlled Dewar valence isomerization. <i>Journal of Chemical Physics</i> , 2012, 136, 204307.	1.2	25
124	Primary reactions of sensory rhodopsins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 962-7.	3.3	25
125	Frequency shifts in stimulated Raman scattering. <i>Optics Communications</i> , 1980, 32, 507-511.	1.0	24
126	A Conformational Two-State Peptide Model System Containing an Ultrafast but Soft Light Switch. <i>Biophysical Journal</i> , 2006, 90, 2099-2108.	0.2	24

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127	Folding and Unfolding of Light-Triggered β^2 -Hairpin Model Peptides. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5219-5226.	1.2	24
128	Dynamics of ultraviolet-induced DNA lesions: Dewar formation guided by pre-tension induced by the backbone. <i>New Journal of Physics</i> , 2012, 14, 065006.	1.2	24
129	Primary charge separation. The primary processes of bacterial photosynthesis – ultrafast reactions for the optimum use of light energy. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1996, 100, 1962-1966.	0.9	23
130	Electron Transfer in Reaction Centers of <i>Blastochloris viridis</i> : Photosynthetic Reactions Approximating the Adiabatic Regime. <i>Journal of Physical Chemistry A</i> , 2003, 107, 8302-8309.	1.1	23
131	Isomerization and Temperature Jump Induced Dynamics of a Photoswitchable β^2 -Hairpin. <i>Chemistry - A European Journal</i> , 2014, 20, 694-703.	1.7	23
132	Decay Pathways of Thymine Revisited. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4819-4828.	1.1	23
133	Ultrafast reaction dynamics of the complete photo cycle of an indolylfulgimide studied by absorption, fluorescence and vibrational spectroscopy. <i>Journal of Molecular Liquids</i> , 2008, 141, 130-136.	2.3	22
134	Photochemistry with thermal versus optical excess energy: Ultrafast cycloreversion of indolylfulgides and indolylfulgimides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 207, 209-216.	2.0	22
135	The Photoaddition of a Psoralen to DNA Proceeds via the Triplet State. <i>Journal of the American Chemical Society</i> , 2019, 141, 13643-13653.	6.6	21
136	Narrowing of spectral lines beyond the natural or dephasing line width. <i>Optics Communications</i> , 1983, 44, 262-266.	1.0	20
137	Line-narrowing transient Raman technique which resolves closely spaced hydrogen-bonded aggregates. <i>Physical Review A</i> , 1984, 30, 1139-1141.	1.0	19
138	Ultrafast redistribution of vibrational excitation of CH-stretching modes probed via anti-Stokes Raman scattering. <i>Applied Physics B: Lasers and Optics</i> , 2000, 71, 397-403.	1.1	19
139	Synthesis of novel photochromic pyrans via palladium-mediated reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2009, 5, 25.	1.3	19
140	Molecular Model of the Ring-Opening and Ring-Closure Reaction of a Fluorinated Indolylfulgide. <i>Journal of Physical Chemistry A</i> , 2012, 116, 10518-10528.	1.1	19
141	Following the energy transfer in and out of a polyproline-peptide. <i>Biopolymers</i> , 2013, 100, 38-50.	1.2	19
142	Primary reactions in photosynthetic reaction centers of <i>Rhodobacter sphaeroides</i> – Time constants of the initial electron transfer. <i>Chemical Physics Letters</i> , 2014, 601, 103-109.	1.2	19
143	The Excited State Decay of $1\text{-Methyl-2(1H-imidazol-2-yl)pyrimidinone}$ is an Activated Process. <i>ChemPhysChem</i> , 2011, 12, 1880-1888.	1.0	18
144	Increasing the efficiency of the ring-opening reaction of photochromic indolylfulgides by optical pre-excitation. <i>Chemical Physics Letters</i> , 2010, 489, 175-180.	1.2	17

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145	Stability and reaction dynamics of trifluorinated indolyfulgides. <i>Chemical Physics Letters</i> , 2009, 477, 298-303.	1.2	16
146	Photocontrolled chignolin-derived β^2 -hairpin peptidomimetics. <i>Chemical Communications</i> , 2015, 51, 4001-4004.	2.2	16
147	Photochromic Bis(thiophen-3-yl)maleimides Studied with Time-Resolved Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1033-1039.	1.1	15
148	Relaxation time prediction for a light switchable peptide by molecular dynamics. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6204.	1.3	15
149	<title>Measurements of the optical properties of breast tissue using time-resolved transillumination</title>. , 1995, , .		14
150	A difference detection system for high precision measurements of ultrafast transmission changes. <i>Journal of Physics E: Scientific Instruments</i> , 1985, 18, 399-400.	0.7	13
151	Photoisomerization of hemithioindigo compounds: Combining solvent- and substituent- effects into an advanced reaction model. <i>Chemical Physics</i> , 2018, 515, 614-621.	0.9	13
152	Femtosecond Studies of the Reaction Center of <i>Rhodospseudomonas viridis</i> : The Very First Dynamics of the Electron-Transfer Processes. <i>Springer Series in Chemical Physics</i> , 1985, , 286-291.	0.2	13
153	A novel spectrometer system for the investigation of vibrational energy relaxation with sub-picosecond time resolution. <i>Optics Communications</i> , 1999, 160, 184-190.	1.0	12
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