

Silvia E Braslavsky

List of Publications by Year in descending order

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200
papers

9,850
citations

38742

50
h-index

43889

91
g-index

210
all docs

210
docs citations

210
times ranked

6763
citing authors

#	ARTICLE	IF	CITATIONS
1	Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006). Pure and Applied Chemistry, 2007, 79, 293-465.	1.9	950
2	Chemical actinometry (IUPAC Technical Report). Pure and Applied Chemistry, 2004, 76, 2105-2146.	1.9	763
3	Time-resolved photothermal and photoacoustic methods applied to photoinduced processes in solution. Chemical Reviews, 1992, 92, 1381-1410.	47.7	567
4	Glossary of terms used in photocatalysis and radiation catalysis (IUPAC Recommendations 2011). Pure and Applied Chemistry, 2011, 83, 931-1014.	1.9	333
5	Design, Synthesis, and Photophysical Studies of a Porphyrin-Fullerene Dyad with Parachute Topology; Charge Recombination in the Marcus Inverted Region. Journal of the American Chemical Society, 2004, 126, 7257-7270.	13.7	187
6	Chemical actinometry. Pure and Applied Chemistry, 1989, 61, 187-210.	1.9	185
7	Protonation State and Structural Changes of the Tetrapyrrole Chromophore during the Prâ†' Pfr Phototransformation of Phytochrome: A Resonance Raman Spectroscopic Study. Biochemistry, 1999, 38, 15185-15192.	2.5	141
8	Pitfalls and limitations in the practical use of Förster's theory of resonance energy transfer. Photochemical and Photobiological Sciences, 2008, 7, 1444-1448.	2.9	141
9	Effect of Solvent on the Radiative Decay of Singlet Molecular Oxygen (a1.DELTA.g). The Journal of Physical Chemistry, 1995, 99, 3521-3526.	2.9	138
10	Time-resolved thermal lensing and phosphorescence studies on photosensitized singlet molecular oxygen formation. Influence of the electronic configuration of the sensitizer on sensitization efficiency. Chemical Physics Letters, 1988, 148, 523-529.	2.6	133
11	Photophysical, photochemical and antibacterial photosensitizing properties of a novel octacationic Zn(ii)-phthalocyanine. Photochemical and Photobiological Sciences, 2002, 1, 641-648.	2.9	128
12	Photodynamics of a Constrained Parachute-Shaped Fullerene-Porphyrin Dyad. Journal of the American Chemical Society, 1999, 121, 11599-11600.	13.7	124
13	Thermal-lensing measurements of singlet molecular oxygen (1 ¹ g): Quantum yields of formation and lifetimes. Journal of Photochemistry and Photobiology, 1985, 31, 37-48.	0.6	123
14	THE PRODUCTION OF SINGLET MOLECULAR OXYGEN BY ZINC(II) PHTHALOCYANINE IN ETHANOL AND IN UNILAMELLAR VESICLES. CHEMICAL QUENCHING AND PHOSPHORESCENCE STUDIES. Photochemistry and Photobiology, 1988, 48, 1-5.	2.5	111
15	THE PHOTOPHYSICAL PROPERTIES OF PORPHYCENES: POTENTIAL PHOTODYNAMIC THERAPY AGENTS*. Photochemistry and Photobiology, 1986, 44, 555-559.	2.5	110
16	Fourier-Transform Resonance Raman Spectroscopy of Intermediates of the Phytochrome Photocycle. Biochemistry, 1995, 34, 10497-10507.	2.5	109
17	Photoinduced volume change and energy storage associated with the early transformations of the photoactive yellow protein from Ectothiorhodospira halophila. Biophysical Journal, 1995, 68, 1101-1109.	0.5	101
18	Solution Conformations, Photophysics, and Photochemistry of Bile Pigments; Bilirubin and Biliverdin, Dimethyl Esters and Related Linear Tetrapyrroles. Angewandte Chemie International Edition in English, 1983, 22, 656-674.	4.4	99

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19	[4] Time-resolved singlet oxygen detection. <i>Methods in Enzymology</i> , 2000, 319, 37-49.	1.0	97
20	Two-Photon Photosensitized Production of Singlet Oxygen: A Optical and Optoacoustic Characterization of Absolute Two-Photon Absorption Cross Sections for Standard Sensitizers in Different Solvents. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7375-7385.	2.5	95
21	Octaethylhemiporphycene: Synthesis, Molecular Structure and Photophysics. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1651-1654.	4.4	87
22	Volume Changes Related to Triplet Formation of Water-Soluble Porphyrins. A Laser-Induced Optoacoustic Spectroscopy (LIOAS) Study. <i>Journal of Physical Chemistry B</i> , 1997, 101, 101-108.	2.6	86
23	Combination of Laser-Induced Optoacoustic Spectroscopy (LIOAS) and Semiempirical Calculations for the Determination of Molecular Volume Changes: The Photoisomerization of Carbocyanines. <i>The Journal of Physical Chemistry</i> , 1994, 98, 1776-1782.	2.9	84
24	Raman Spectroscopic and Light-Induced Kinetic Characterization of a Recombinant Phytochrome of the Cyanobacterium <i>Synechocystis</i> . <i>Biochemistry</i> , 1997, 36, 13389-13395.	2.5	81
25	Phytochrome photoconversion. <i>Plant, Cell and Environment</i> , 1997, 20, 700-706.	5.7	80
26	THE PHOTOPHYSICS OF MEROCYANINE 540. A COMPARATIVE STUDY IN ETHANOL AND IN LIPOSOMES. <i>Photochemistry and Photobiology</i> , 1988, 48, 187-194.	2.5	75
27	Photophysical properties of porphycene derivatives (18 β porphyrinoids). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 40, 191-198.	3.8	75
28	The gas-phase thermal and photochemical decomposition of heterocyclic compounds containing nitrogen, oxygen, or sulfur. <i>Chemical Reviews</i> , 1977, 77, 473-511.	47.7	73
29	<i>Chemie</i> , 1978, 1978, 2002-2017.	0.5	71
30	Quantities, terminology, and symbols in photothermal and related spectroscopies (IUPAC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	1.9	69
31	Hydroxyanthraquinones as sensitizers of singlet oxygen reactions: quantum yields of triplet formation and singlet oxygen generation in acetonitrile. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 69, 155-165.	3.9	67
32	Volume Changes Correlate with Enthalpy Changes during the Photoinduced Formation of the 3MLCT State of Ruthenium(II) Bipyridine Cyano Complexes in the Presence of Salts. A Case of the Entropy-Enthalpy Compensation Effect. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6231-6238.	2.6	67
33	Photochemical energy storage and volume changes in the microsecond time range in bacterial photosynthesis - a laser induced optoacoustic study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1994, 23, 79-85.	3.8	66
34	Structural Volume Changes upon Photoexcitation of Porphyrins: A Role of the Nitrogen-Water Interactions. <i>Journal of the American Chemical Society</i> , 1999, 121, 10573-10582.	13.7	66
35	Singlet dioxygen formation in ozone reactions in aqueous solution. <i>Perkin Transactions II RSC</i> , 2001, , 1109-1116.	1.1	66
36	PHOTO ACOUSTIC AND PHOTOTHERMAL METHODS APPLIED TO THE STUDY OF RADIATIONLESS DEACTIVATION PROCESSES IN BIOLOGICAL SYSTEMS AND IN SUBSTANCES OF BIOLOGICAL INTEREST. <i>Photochemistry and Photobiology</i> , 1986, 43, 667-675.	2.5	64

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37	Time-resolved volume changes during the bacteriorhodopsin photocycle: A photothermal beam deflection study.. The Journal of Physical Chemistry, 1995, 99, 9617-9624.	2.9	64
38	THE KINETICS OF THE EARLY STAGES OF THE PHYTOCHROME PHOTOTRANSFORMATION P _r P _{fr} . A COMPARATIVE STUDY OF SMALL (60 kDalton) and NATIVE (124 kDalton) PHYTOCHROMES FROM OAT. Photochemistry and Photobiology, 1985, 41, 681-688.	2.5	63
39	CARBOXYLATED ZINC-PHTHALOCYANINES-II* DIMERIZATION AND SINGLET MOLECULAR OXYGEN SENSITIZATION IN HEXADECYLTRIMETHYLAMMONIUM BROMIDE MICELLES. Photochemistry and Photobiology, 1991, 54, 367-373.	2.5	63
40	Photophysics and photochemistry of 22.pi. and 26.pi. acetylene-cumulene porphyrinoids. Journal of the American Chemical Society, 1992, 114, 9969-9978.	13.7	63
41	Fluorescence lifetimes and relative quantum yields of 124-kilodalton oat phytochrome in water and deuterium oxide solutions. Biochemistry, 1987, 26, 1412-1417.	2.5	62
42	Photodecarboxylation of Ketoprofen in Aqueous Solution. A Time-resolved Laser-induced Optoacoustic Study. Photochemistry and Photobiology, 2000, 72, 163.	2.5	62
43	Photophysical Properties of Structurally and Electronically Modified Flavin Derivatives Determined by Spectroscopy and Theoretical Calculations. Journal of Physical Chemistry A, 2009, 113, 9365-9375.	2.5	60
44	THERMAL-LENING AND PHOSPHORESCENCE STUDIES OF THE QUANTUM YIELD AND LIFETIME OF SINGLET MOLECULAR OXYGEN (¹ O ₂) SENSITIZED BY HEMATOPORPHYRIN AND RELATED PORPHYRINS IN DEUTERATED AND NON-DEUTERATED ETHANOLS. Photochemistry and Photobiology, 1987, 45, 209-213.	2.5	57
45	Recombinant Type A and B Phytochromes from Potato. Transient Absorption Spectroscopy. Biochemistry, 1997, 36, 103-111.	2.5	57
46	Enthalpy, Volume, and Entropy Changes Associated with the Electron Transfer Reaction between the ³ MLCT State of Ru(Bpy) ₃ ²⁺ and Methyl Viologen Cation in Aqueous Solutions. Journal of Physical Chemistry A, 1999, 103, 1719-1727.	2.5	57
47	Volume changes associated with intramolecular electron transfer during MLCT state formation. Time-resolved optoacoustic studies of ruthenium cyano complexes. Recueil Des Travaux Chimiques Des Pays-Bas, 1995, 114, 542-548.	0.0	56
48	Quantum yield of singlet molecular oxygen sensitization by copper(II) tetracarboxyphthalocyanine. Journal of Photochemistry and Photobiology B: Biology, 1989, 3, 615-624.	3.8	55
49	Two independent, light-sensing two-component systems in a filamentous cyanobacterium. FEBS Journal, 2002, 269, 2662-2671.	0.2	54
50	The Complexity of the Pr to Pfr Phototransformation Kinetics Is an Intrinsic Property of Native Phytochrome. Photochemistry and Photobiology, 1998, 68, 754.	2.5	53
51	Entropic Changes Control the Charge Separation Process in Triads Mimicking Photosynthetic Charge Separation. Journal of Physical Chemistry A, 2008, 112, 4215-4223.	2.5	52
52	Picosecond time-resolved and stationary fluorescence of oat phytochrome highly enriched in the native 124 kDa protein. BBA - Proteins and Proteomics, 1984, 791, 265-273.	2.1	51
53	Photoinduced volume changes associated with the early transformations of bacteriorhodopsin: a laser-induced optoacoustic spectroscopy study. Biophysical Journal, 1994, 66, 838-843.	0.5	51
54	Synthesis and photophysics of porphyrin-fullerene donor-acceptor dyads with conformationally flexible linkers. Tetrahedron, 2006, 62, 1928-1936.	1.9	51

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55	CHARACTERIZATION OF A MICROSECOND INTERMEDIATE IN THE LASER FLASH PHOTOLYSIS OF SMALL PHYTOCHROME FROM OAT. <i>Photochemistry and Photobiology</i> , 1980, 31, 417-420.	2.5	50
56	Laser-induced optoacoustics combined with near-infrared emission: an alternative approach for the determination of intersystem crossing quantum yields applied to porphycenes. <i>The Journal of Physical Chemistry</i> , 1990, 94, 5879-5883.	2.9	50
57	The phototransformation process in phytochrome. I. Ultrafast fluorescence component and kinetic models for the initial Pr ⁺ Pfr transformation steps in native phytochrome. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1992, 1140, 59-68.	1.0	50
58	Sensitized photo-oxidation of dihydroxybenzenes and chlorinated derivatives. A kinetic study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1991, 61, 113-124.	3.9	49
59	Nature of the Water Structure inside the Pools of Reverse Micelles Sensed by Laser-Induced Optoacoustic Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1997, 101, 6036-6042.	2.6	49
60	CARBOXYLATED ZINC-PHTHALOCYANINE, INFLUENCE OF DIMERIZATION ON THE SPECTROSCOPIC PROPERTIES. AN ABSORPTION, EMISSION, AND THERMAL LENSING STUDY. <i>Photochemistry and Photobiology</i> , 1991, 53, 317-322.	2.5	48
61	Study of 124-kilodalton oat phytochrome photoconversions in vitro with laser-induced optoacoustic spectroscopy. <i>Biochemistry</i> , 1987, 26, 1422-1427.	2.5	47
62	The Photolysis of Tetra(trifluoromethyl)thiophene Vapor. <i>Canadian Journal of Chemistry</i> , 1972, 50, 2721-2724.	1.1	45
63	Photoprocesses in biliverdin dimethyl ester in ethanol studied by laser-induced optoacoustic spectroscopy (lios). <i>Tetrahedron</i> , 1983, 39, 1909-1913.	1.9	45
64	Triplet lifetime determination by laser-induced optoacoustic spectroscopy. benzophenone/iodide revisited. <i>Chemical Physics Letters</i> , 1986, 131, 183-188.	2.6	45
65	Laser-induced optoacoustic calorimetry of primary processes in isolated Photosystem I and Photosystem II particles. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988, 934, 201-212.	1.0	44
66	Volume Changes Associated with Intramolecular Exciplex Formation in a Semiflexible Donor-Bridge-Acceptor Compound. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8890-8894.	2.9	44
67	Laser flash photolysis of 124-kilodalton oat phytochrome in water and deuterium oxide solutions: formation and decay of the I700 intermediates. <i>Biochemistry</i> , 1987, 26, 1418-1422.	2.5	43
68	Photophysical processes of polymethine dyes. An absorption, emission, and optoacoustic study on 3,3'-diethylthiadicarbocyanine iodide. <i>The Journal of Physical Chemistry</i> , 1989, 93, 6696-6699.	2.9	43
69	Detection of a Phytochrome-like Protein in Macroalgae. <i>Botanica Acta</i> , 1989, 102, 178-180.	1.6	43
70	Fourier transform resonance Raman spectroscopy of phytochrome. <i>Biochemistry</i> , 1992, 31, 7957-7962.	2.5	43
71	Photophysics and Photochemistry of Phytochrome. <i>Advances in Photochemistry</i> , 2007, , 229-277.	0.4	43
72	Glossary of terms used in photochemistry (Recommendations 1988). <i>Pure and Applied Chemistry</i> , 1988, 60, 1055-1106.	1.9	42

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73	Optoacoustic and Singlet Oxygen Near-IR Emission Study of the Isolated D1-D2-cyt b-559 Reaction Center Complex of Photosystem II. Protein Movement Associated with Charge Separation. <i>The Journal of Physical Chemistry</i> , 1994, 98, 12789-12795.	2.9	39
74	Influence of Expression System on Chromophore Binding and Preservation of Spectral Properties in Recombinant Phytochrome A. <i>FEBS Journal</i> , 1996, 236, 978-983.	0.2	38
75	Time-Resolved Absorption and Photothermal Measurements with Recombinant Sensory Rhodopsin II from <i>Natronobacterium pharaonis</i> . <i>Biophysical Journal</i> , 1999, 77, 3277-3286.	0.5	38
76	Chromophore-protein interaction controls the complexity of the phytochrome photocycle. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1996, 34, 73-77.	3.8	37
77	The time-resolved thermodynamics of the chromophore-protein interactions in biological photosensors as derived from photothermal measurements. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2739-2750.	2.8	37
78	Wavelength-resolved fluorescence decay and fluorescence quantum yield of large phytochrome from oat shoots. <i>BBA - Proteins and Proteomics</i> , 1984, 786, 213-221.	2.1	36
79	Spectrum, energy content and relaxation mechanism of the photoisomer of the laser dye 3,3'-diethyloxadicarbocyanine iodide. Laser-induced optoacoustic studies. <i>The Journal of Physical Chemistry</i> , 1988, 92, 5958-5962.	2.9	36
80	A PHYTOCHROME PHOTOTRANSFORMATION STUDY USING TWO-LASER/TWO-COLOR FLASH PHOTOLYSIS: ANALYSIS OF THE DECAY MECHANISM OF I ₇₀₀ *. <i>Photochemistry and Photobiology</i> , 1993, 58, 106-115.	2.5	36
81	Volume Changes Associated with Electron Transfer Quenching of Excited Ru(bpy) ₃ ²⁺ and Xanthene Dyes. Time-Resolved Optoacoustic Studies. <i>The Journal of Physical Chemistry</i> , 1995, 99, 10246-10250.	2.9	36
82	Chromophore Incorporation, Pr to Pfr Kinetics, and Pfr Thermal Reversion of Recombinant N-Terminal Fragments of Phytochrome A and B Chromoproteins. <i>Biochemistry</i> , 1998, 37, 9983-9990.	2.5	36
83	Phytochrome Models. I. Isolation, Characterization, and Solution Conformation of Biliverdin Dimethyl Ester and Its XIII± Isomer. <i>Justus Liebigs Annalen Der Chemie</i> , 1978, 1978, 1990-2001.	0.5	35
84	Influence of the ionic strength on O ₂ (¹ g) quenching by azide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 66, 153-157.	3.9	35
85	A kinetic study of the photodynamic properties of the xanthene dye merbromin (mercurochrome) and its aggregates with amino acids in aqueous solutions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1993, 17, 247-255.	3.8	35
86	Expression of phytochrome apoprotein from <i>Avena sativa</i> in <i>Escherichia coli</i> and formation of photoactive chromoproteins by assembly with phycocyanobilin. <i>FEBS Journal</i> , 1994, 223, 69-77.	0.2	35
87	Phytochrome Models. IV. Conformational Heterogeneity and Photochemical Changes of Biliverdin Dimethyl Esters in Solution. <i>Israel Journal of Chemistry</i> , 1980, 20, 196-202.	2.3	33
88	Volume Change Associated with Large Photoinduced Dipole Formation in a Rigid Donor-Acceptor Compound: A New Approach to Optoacoustic Volume Determination. <i>Journal of Physical Chemistry A</i> , 1998, 102, 8812-8818.	2.5	33
89	Konformationsanalyse, Photophysik und Photochemie der Gallenpigmente; Bilirubin- und Biliverdin-dimethylester und verwandte lineare Tetrapyrrole. <i>Angewandte Chemie</i> , 1983, 95, 670-689.	2.0	33
90	Functional and Biochemical Analysis of the N-terminal Domain of Phytochrome A. <i>Journal of Biological Chemistry</i> , 2006, 281, 34421-34429.	3.4	33

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91	Phytochrome models. 11. Photophysics and photochemistry of phycocyanobilin dimethyl ester. Journal of the American Chemical Society, 1991, 113, 7322-7334.	13.7	32
92	Primary Quantum Yield and Volume Change of Phytochrome-A Phototransformation Determined by Laser-Induced Optoacoustic Spectroscopy. Photochemistry and Photobiology, 1996, 63, 719-725.	2.5	32
93	SPECTRAL STUDY OF THE PHOTOCHEMISTRY OF DIPYRROLE MODELS FOR BILIRUBIN BOUND TO HUMAN SERUM ALBUMIN. Photochemistry and Photobiology, 1983, 37, 263-270.	2.5	31
94	A Novel Chromophore Selectively Modifies the Spectral Properties of One of the Two Stable States of the Plant Photoreceptor Phytochrome. Angewandte Chemie - International Edition, 1998, 37, 1843-1846.	13.8	31
95	Triplet states of molecules undergoing internal double-proton transfer in the S1 state: 2,2'-bipyridyl-diol and its 5,5'-dimethylated derivative. Chemical Physics Letters, 1991, 185, 206-211.	2.6	30
96	Singlet molecular oxygen (1O_2) production and quenching by hydroxybiphenyls. Chemosphere, 1993, 26, 1691-1701.	8.2	30
97	Photoequilibrium in the Primary Steps of the Photoreceptors Phytochrome A and Photoactive Yellow Protein. Journal of Physical Chemistry A, 1998, 102, 5398-5405.	2.5	30
98	Time-Resolved Absorption and Photothermal Measurements with Sensory Rhodopsin I from Halobacterium salinarum. Biophysical Journal, 1999, 76, 2183-2191.	0.5	30
99	Aspartate 75 Mutation in Sensory Rhodopsin II from Natronobacterium pharaonis Does Not Influence the Production of the K-Like Intermediate, but Strongly Affects Its Relaxation Pathway. Biophysical Journal, 2000, 78, 2581-2589.	0.5	30
100	Enthalpy-Entropy Compensation in a Photocycle: The K-to-L Transition in Sensory Rhodopsin II from Natronobacterium pharaonis. Journal of the American Chemical Society, 2001, 123, 1766-1767.	13.7	30
101	NMR Verification of Helical Conformations of Phycocyanobilin in Organic Solvents. Helvetica Chimica Acta, 1998, 81, 881-888.	1.6	29
102	Validation of Fluorescence Quantum Yields for Light-Scattering Powdered Samples by Laser-Induced Optoacoustic Spectroscopy. Langmuir, 2009, 25, 5861-5868.	3.5	29
103	Laser-induced optoacoustic studies of the photoisomerization of the laser dye 3,3'-diethyloxadicarbocyanine iodide (DODCUI). Chemical Physics Letters, 1987, 134, 335-340.	2.6	28
104	The history of ozone Part VIII. Photochemical formation of ozone. Photochemical and Photobiological Sciences, 2011, 10, 1515-1520.	2.9	28
105	STUDIES ON PHYTOCHROME PHOTOCONVERSIONS <i>IN VITRO</i> WITH LASER-INDUCED OPTOACOUSTIC SPECTROSCOPY*. Photochemistry and Photobiology, 1984, 40, 361-367.	2.5	27
106	The photophysical properties of porphycene incorporated in small unilamellar lipid vesicles. Journal of Photochemistry and Photobiology B: Biology, 1989, 3, 193-207.	3.8	27
107	Phytochrome models. 6. Conformation control by membrane of biliverdin dimethyl ester incorporated into lipid vesicles. Journal of the American Chemical Society, 1981, 103, 7152-7158.	13.7	24
108	FLUORESCENCE QUANTUM YIELDS OF 124 kDa PHYTOCHROME FROM OAT UPON EXCITATION WITHIN DIFFERENT ABSORPTION BANDS. Photochemistry and Photobiology, 1990, 52, 19-22.	2.5	24

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109	QUANTUM YIELD OF PRODUCTION OF SINGLET MOLECULAR OXYGEN (χ^1_g) IN AQUEOUS DISPERSIONS OF SMALL UNILAMELLAR LIPID VESICLES. A TIME-RESOLVED NEAR-IR PHOSPHORESCENCE STUDY*,â€.	2.5	24
110	A PHYTOCHROME STUDY USING TWO-LASER/TWO-COLOR FLASH PHOTOLYSIS: I700IS A MANDATORY INTERMEDIATE IN THE PrPfrPHOTOTRANSFORMATION. Photochemistry and Photobiology, 1993, 57, 690-695.	2.5	24
111	Quantum yield: the term and the symbol. A historical search. Photochemical and Photobiological Sciences, 2010, 9, 670-674.	2.9	24
112	The partial molar volume of the proton in water determined by laser-induced optoacoustic studies. Journal of Photochemistry and Photobiology B: Biology, 1998, 43, 222-228.	3.8	23
113	Differential effects of mutations in the chromophore pocket of recombinant phytochrome on chromoprotein assembly and Pr-to-Pfr photoconversion. FEBS Journal, 1999, 266, 201-208.	0.2	23
114	Modeling study of seasonal effect on air pollution at 60.degree.N latitude. Environmental Science & Technology, 1977, 11, 801-808.	10.0	22
115	THE PHOTOPHYSICS OF BONELLIN: A CHLORIN FOUND IN MARINE ANIMALS. Photochemistry and Photobiology, 1980, 32, 733-738.	2.5	22
116	PHOTOPHYSICAL PARAMETERS OF CHLOROPHYLLS <i>a</i> AND <i>b</i> â€FLUORESCENCE AND LASERâ€INDUCED OPTOACOUSTIC MEASUREMENTS. Photochemistry and Photobiology, 1986, 43, 127-131.	2.5	22
117	Structural Volume Changes in Photoinduced Electron Transfer Reactions. Laser-Induced Optoacoustic Studies of Speciation during the Quenching Reaction of Excited Ru(bpy) ₃ ²⁺ +by Fe(III) in Aqueous Solutions. Journal of Physical Chemistry A, 1997, 101, 7718-7724.	2.5	22
118	Time-resolved Thermodynamic Changes Photoinduced in 5,12-trans-locked Bacteriorhodopsin. Evidence that Retinal Isomerization is Required for Protein Activationâ€¶. Photochemistry and Photobiology, 2000, 72, 590.	2.5	22
119	Preparation and Photophysical Studies of a Fluorous Phase-Soluble Fullerene Derivative. Journal of the American Chemical Society, 2002, 124, 1977-1981.	13.7	22
120	Hydrogen-bond network probed by time-resolved optoacoustic spectroscopy: photoactive yellow protein and the effect of E46Q and E46A mutations. Physical Chemistry Chemical Physics, 2005, 7, 2229.	2.8	22
121	Recombinant Phytochrome of the Moss Ceratodon purpureus: Heterologous Expression and Kinetic Analysis of Prâ€PfrConversion. Photochemistry and Photobiology, 1998, 68, 857-863.	2.5	20
122	Volume and Enthalpy Changes upon Photoexcitation of Bovine Rhodopsin Derived from Optoacoustic Studies by Using an Equilibrium between Bathorhodopsin and Blueâ€Shifted Intermediate. Israel Journal of Chemistry, 1998, 38, 231-236.	2.3	20
123	124-kDa PHYTOCHROME IN MODEL MEMBRANE SYSTEMS: STUDIES OF THE I700INTERMEDIATES WITH THE PROTEIN COVALENTLY BOUND TO PREFORMED LIPOSOMES. Photochemistry and Photobiology, 1988, 47, 305-310.	2.5	19
124	Thermodynamics of the Early Steps in the Photocycle of Natronobacterium pharaonis Halorhodopsin. Influence of Medium and of Anion Substitutionâ€¶. Photochemistry and Photobiology, 2001, 74, 495.	2.5	19
125	Photosynthetic energy storage in cyanobacterial cells adapted to light-states 1 and 2. A laser-induced optoacoustic study. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1060, 315-318.	1.0	18
126	Photophysics of supercomplexes. A laser-induced optoacoustic study of the adducts between Ru(bpy) ₃ (CN) ₄ ²⁻ and polyaza macrocycles. Chemical Physics Letters, 2000, 317, 53-58.	2.6	18

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127	Quenching of zinc tetraphenylporphine by oxygen and by 1,4-benzoquinone in nitrile solvents: An optoacoustic spectroscopy study Dedicated to Professor Frank Wilkinson on the occasion of his retirement.. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 239-247.	2.8	18
128	Acid-Base Equilibria in 5,10,15,20-Tetrakis(4-sulfonatophenyl)chlorin: A Role of Conformational Flexibility. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3414-3425.	2.5	18
129	Photoinduced Electron Transfer to Triplet Flavins. Correlation between the Volume Change-Normalized Entropic Term and the Marcus Reorganization Energy. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7307-7315.	2.5	18
130	Entropy Changes Drive the Electron Transfer Reaction of Triplet Flavin Mononucleotide from Aromatic Amino Acids in Cation-organized Aqueous Media. A Laser-induced Optoacoustic Study. <i>Photochemistry and Photobiology</i> , 2006, 82, 281.	2.5	18
131	Enantiomerism and Diastereoisomerism of Bishelical Bilatriene Dimers in the Crystal Lattice. <i>Angewandte Chemie International Edition in English</i> , 1978, 17, 948-949.	4.4	17
132	Laser Induced Optoacoustic Spectroscopy. , 1999, , 1124-1132.		17
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134	Glossary of terms used in physical organic chemistry (IUPAC Recommendations 2021). <i>Pure and Applied Chemistry</i> , 2022, 94, 353-534.	1.9	17
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