

Silvia E Braslavsky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3734740/publications.pdf>

Version: 2024-02-01

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 physical organic chemistry (IUPAC Recommendations 2021). <i>Pure and Applied Chemistry</i> , 2022, 94, 353-534.	1.9	17
2	Enrique San Román (1945–2019). <i>Photochemistry and Photobiology</i> , 2021, 97, 5-7.	2.5	0
3	Editorial. <i>Photochemistry and Photobiology</i> , 2018, 94, 1085-1085.	2.5	0
4	Photophysics of Xanthene Dyes at High Concentrations in Solid Environments: Charge Transfer Assisted Triplet Formation. <i>Photochemistry and Photobiology</i> , 2018, 94, 865-874.	2.5	8
5	Introduction, Festschrift in honor of Wolfgang Gärtner. <i>Photochemistry and Photobiology</i> , 2017, 93, 640-641.	2.5	0
6	16 th International Congress on Photobiology (Photobiology-16): Conference Editor's Notes. <i>Pure and Applied Chemistry</i> , 2015, 87, 1071-1073.	1.9	0
7	The history of the IUPAC Symposia on photochemistry – a success story. <i>Pure and Applied Chemistry</i> , 2015, 87, 663-705.	1.9	1
8	Special Issue Dedicated to the Memory of Elsa Beatriz Abuin Saccomano (1942–2012). <i>Photochemistry and Photobiology</i> , 2013, 89, 1270-1272.	2.5	1
9	Photophysics of novel zinc porphyrinoids. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 499-507.	0.8	3
10	Introduction to the themed issue dedicated to Kurt Schaffner. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 871.	2.9	0
11	Role of Carotenoids in Photosystem II (PSII) Reaction Centers. <i>International Journal of Thermophysics</i> , 2012, 33, 2021-2025.	2.1	11
12	Structural volume changes upon triplet formation of water-soluble porphyrins depend on the resonant effect of the substituents. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 972-978.	2.9	17
13	Triplet quantum yields in light-scattering powder samples measured by laser-induced optoacoustic spectroscopy (LIOAS). <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1010-1017.	2.9	10
14	The history of ozone Part VIII. Photochemical formation of ozone. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1515-1520.	2.9	28
15	Glossary of terms used in photocatalysis and radiation catalysis (IUPAC Recommendations 2011). <i>Pure and Applied Chemistry</i> , 2011, 83, 931-1014.	1.9	333
16	Quantum yield: the term and the symbol. A historical search. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 670-674.	2.9	24
17	Flavodoxin Relaxes in Microseconds Upon Excitation of the Flavin Chromophore: Detection of a UV-Visible Silent Intermediate by Laser Photocalorimetry. <i>Photochemistry and Photobiology</i> , 2009, 85, 107-110.	2.5	0
18	Validation of Fluorescence Quantum Yields for Light-Scattering Powdered Samples by Laser-Induced Optoacoustic Spectroscopy. <i>Langmuir</i> , 2009, 25, 5861-5868.	3.5	29

#	ARTICLE	IF	CITATIONS
19	Photophysical Properties of Structurally and Electronically Modified Flavin Derivatives Determined by Spectroscopy and Theoretical Calculations. <i>Journal of Physical Chemistry A</i> , 2009, 113, 9365-9375.	2.5	60
20	Entropic Changes Control the Charge Separation Process in Triads Mimicking Photosynthetic Charge Separation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4215-4223.	2.5	52
21	Pitfalls and limitations in the practical use of Förster's theory of resonance energy transfer. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 1444-1448.	2.9	141
22	A photoprotection mechanism involving the D2 branch in photosystem II cores with closed reaction centers. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 1337-1343.	2.9	16
23	Triplet Photoprotection by Carotenoid in Intact Photosystem II Cores. , 2008, , 137-140.		0
24	Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006). <i>Pure and Applied Chemistry</i> , 2007, 79, 293-465.	1.9	950
25	Photophysics and Photochemistry of Phytochrome. <i>Advances in Photochemistry</i> , 2007, , 229-277.	0.4	43
26	Symposium-in-Print in Honor of Eduardo A. Lissi Introduction. <i>Photochemistry and Photobiology</i> , 2007, 83, 471-474.	2.5	1
27	Photodecarboxylation of Ketoprofen in Aqueous Solution. A Time-resolved Laser-induced Optoacoustic Study. <i>Photochemistry and Photobiology</i> , 2007, 72, 163-171.	2.5	2
28	A Large Entropic Term Due to Water Rearrangement is Concomitant with the Photoproduction of Anionic Free-Base Porphyrin Triplet States in Aqueous Solutions. <i>Photochemistry and Photobiology</i> , 2007, 83, 503-510.	2.5	4
29	Effect of aggregation of a cationic phthalocyanine in micelles and in the presence of human serum albumin. <i>Journal of Porphyrins and Phthalocyanines</i> , 2006, 10, 33-42.	0.8	16
30	Two-Photon Photosensitized Production of Singlet Oxygen: 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
31	Acid-Base Equilibria in 5,10,15,20-Tetrakis(4-sulfonatophenyl)chlorin: Role of Conformational Flexibility. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3414-3425.	2.5	18
32	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
33	Photoinduced Electron Transfer from Tetrasulfonated Porphyrin to Benzoquinone Revisited. The Structural Volume-Normalized Entropy Change Correlates with Marcus Reorganization Energy. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10185-10190.	2.5	10
34	Synthesis and photophysics of porphyrin-fullerene donor-acceptor dyads with conformationally flexible linkers. <i>Tetrahedron</i> , 2006, 62, 1928-1936.	1.9	51
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Conformational and photophysical studies on porphyrin-containing donor-bridge-acceptor compounds. Charge separation in micellar nanoreactors. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 4114.	2.8	9
38	Hydrogen-bond network probed by time-resolved optoacoustic spectroscopy: photoactive yellow protein and the effect of E46Q and E46A mutations. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2229.	2.8	22
39	The photorelease of nitrogen monoxide (NO) from pentacyanonitrosyl coordination compounds of group 8 metals. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 75.	2.9	13
40	Encuentros Latinoamericanos de Fotoquímica y Fotobiología (ELAFOT): The Latin-American Photochemical and Photobiological Community. <i>Photochemistry and Photobiology</i> , 2005, 81, 768.	2.5	2
41	Quantities, terminology, and symbols in photothermal and related spectroscopies (IUPAC) Technical Report. <i>Journal of Chemical Education</i> , 2004, 81, 1079.	1.9	69
42	Biological photosensors. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, E3.	2.9	0
43	Chemical actinometry (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2004, 76, 2105-2146.	1.9	763
44	Design, Synthesis, and Photophysical Studies of a Porphyrin-Fullerene Dyad with Parachute Topology; Charge Recombination in the Marcus Inverted Region. <i>Journal of the American Chemical Society</i> , 2004, 126, 7257-7270.	13.7	187
45	Photoinduced Electron-Transfer Reaction between the Erythrosin Dianion and Mo(CN) ₈ ⁴⁻ in the Presence of Various Cations. The First Example of Enthalpy-Entropy Compensation in Electron Transfer between Anions. <i>Journal of Physical Chemistry A</i> , 2003, 107, 439-446.	2.5	7
46	Structural changes upon excitation of D1-D2-Cyt b559 photosystem II reaction centers depend on the β -carotene content. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 722-729.	2.9	14
47	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
48	Preparation and Photophysical Studies of a Fluorous Phase-Soluble Fullerene Derivative. <i>Journal of the American Chemical Society</i> , 2002, 124, 1977-1981.	13.7	22
49	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
50	Photophysical, photochemical and antibacterial photosensitizing properties of a novel octacationic Zn(II)-phthalocyanine. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 641-648.	2.9	128
51	Two independent, light-sensing two-component systems in a filamentous cyanobacterium. <i>FEBS Journal</i> , 2002, 269, 2662-2671.	0.2	54
52	Singlet dioxygen formation in ozone reactions in aqueous solution. <i>Perkin Transactions II RSC</i> , 2001, 1, 1109-1116.	1.1	66
53	Structural Volume Changes upon Photoisomerization: A Laser-Induced Optoacoustic Study with a Water-Soluble Nitrostilbene. <i>Journal of Physical Chemistry A</i> , 2001, 105, 4814-4821.	2.5	5
54	Enthalpy-Entropy Compensation in a Photocycle: The K-to-L Transition in Sensory Rhodopsin II from <i>Natronobacterium pharaonis</i> . <i>Journal of the American Chemical Society</i> , 2001, 123, 1766-1767.	13.7	30

#	ARTICLE	IF	CITATIONS
55	Chapter 2 Triggering of photomovement - molecular basis. Comprehensive Series in Photosciences, 2001, , 15-50.	0.3	4
56	Thermodynamics of the Early Steps in the Photocycle of Natronobacterium pharaonis Halorhodopsin. Influence of Medium and of Anion Substitution. Photochemistry and Photobiology, 2001, 74, 495-503.	2.5	1
57	Time-resolved Thermodynamic Analysis of the Oat Phytochrome A Phototransformation. A Photothermal Beam Deflection Study. Photochemistry and Photobiology, 2001, 74, 624-635.	2.5	1
58	Thermodynamics of the Early Steps in the Photocycle of Natronobacterium pharaonis Halorhodopsin. Influence of Medium and of Anion Substitution. Photochemistry and Photobiology, 2001, 74, 495.	2.5	19
59	Time-resolved Thermodynamic Analysis of the Oat Phytochrome A Phototransformation. A Photothermal Beam Deflection Study. Photochemistry and Photobiology, 2001, 74, 624.	2.5	12
60	Photophysics of supercomplexes. A laser-induced optoacoustic study of the adducts between Ru(bpy)(CN) ₄ ²⁻ and polyaza macrocycles. Chemical Physics Letters, 2000, 317, 53-58.	2.6	18
61	Time-resolved Thermodynamic Changes Photoinduced in 5,12-trans-locked Bacteriorhodopsin. Evidence that Retinal Isomerization is Required for Protein Activation. Photochemistry and Photobiology, 2000, 72, 590.	2.5	22
62	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
63	[4] Time-resolved singlet oxygen detection. Methods in Enzymology, 2000, 319, 37-49.	1.0	97
64	Time-resolved Thermodynamic Changes Photoinduced in 5,12-trans-locked Bacteriorhodopsin. Evidence that Retinal Isomerization is Required for Protein Activation. Photochemistry and Photobiology, 2000, 72, 590-597.	2.5	0
65	Photodecarboxylation of Ketoprofen in Aqueous Solution. A Time-resolved Laser-induced Optoacoustic Study. Photochemistry and Photobiology, 2000, 72, 163.	2.5	62
66	Laser Induced Optoacoustic Spectroscopy. , 1999, , 1124-1132.		17
67	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
68	Structural Volume Changes upon Photoexcitation of Porphyrins: A Role of the Nitrogen-Water Interactions. Journal of the American Chemical Society, 1999, 121, 10573-10582.	13.7	66
69	Time-Resolved Absorption and Photothermal Measurements with Recombinant Sensory Rhodopsin II from Natronobacterium pharaonis. Biophysical Journal, 1999, 77, 3277-3286.	0.5	38
70	Time-Resolved Absorption and Photothermal Measurements with Sensory Rhodopsin I from Halobacterium salinarum. Biophysical Journal, 1999, 76, 2183-2191.	0.5	30
71	Photodynamics of a Constrained Parachute-Shaped Fullerene-Porphyrin Dyad. Journal of the American Chemical Society, 1999, 121, 11599-11600.	13.7	124
72	Photoisomerization of Azobenzenecarboxylic Acids and Their Potassium Salts: Evidence of Structural Volume Changes Associated with Hydrogen Bond Formation. Journal of Physical Chemistry A, 1999, 103, 6295-6300.	2.5	12

#	ARTICLE	IF	CITATIONS
73	Enthalpy, Volume, and Entropy Changes Associated with the Electron Transfer Reaction between the 3MLCT State of Ru(Bpy) ₃ ²⁺ and Methyl Viologen Cation in Aqueous Solutions. <i>Journal of Physical Chemistry A</i> , 1999, 103, 1719-1727.	2.5	57
74	Protonation State and Structural Changes of the Tetrapyrrole Chromophore during the Pr ⁺ Pfr Phototransformation of Phytochrome: A Resonance Raman Spectroscopic Study. <i>Biochemistry</i> , 1999, 38, 15185-15192.	2.5	141
75	Laser Induced Optoacoustic Spectroscopy*. , 1999, , 1288-1296.		4
76	Structural Volume Changes upon Photoisomerization of the Bilirubin-Albumin Complex: A Laser-Induced Optoacoustic Study. <i>Photochemistry and Photobiology</i> , 1998, 68, 433-437.	2.5	4
77	The Complexity of the P _r to P _{fr} Phototransformation Kinetics Is an Intrinsic Property of Native Phytochrome*. <i>Photochemistry and Photobiology</i> , 1998, 68, 754-761.	2.5	13
78	Recombinant Phytochrome of the Moss <i>Ceratodon purpureus</i> : Heterologous Expression and Kinetic Analysis of Pr ⁺ Pfr Conversion. <i>Photochemistry and Photobiology</i> , 1998, 68, 857-863.	2.5	20
79	NMR Verification of Helical Conformations of Phycocyanobilin in Organic Solvents. <i>Helvetica Chimica Acta</i> , 1998, 81, 881-888.	1.6	29
80	A Novel Chromophore Selectively Modifies the Spectral Properties of One of the Two Stable States of the Plant Photoreceptor Phytochrome. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1843-1846.	13.8	31
81	Corrigendum to "Photophysical properties of porphycene derivatives (18 β porphyrinoids)" [Journal of photochemistry and photobiology B: Biology 40 (1997) 191-198]. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 42, 79.	3.8	2
82	The partial molar volume of the proton in water determined by laser-induced optoacoustic studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 43, 222-228.	3.8	23
83	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
84	Photoequilibrium in the Primary Steps of the Photoreceptors Phytochrome A and Photoactive Yellow Protein. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5398-5405.	2.5	30
85	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
86	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
87	Volume and Enthalpy Changes upon Photoexcitation of Bovine Rhodopsin Derived from Optoacoustic Studies by Using an Equilibrium between Bathorhodopsin and Blue-Shifted Intermediate. <i>Israel Journal of Chemistry</i> , 1998, 38, 231-236.	2.3	20
88	The Complexity of the Pr to Pfr Phototransformation Kinetics Is an Intrinsic Property of Native Phytochrome. <i>Photochemistry and Photobiology</i> , 1998, 68, 754.	2.5	53
89	Recombinant Phytochrome of the Moss <i>Ceratodon purpureus</i> : Heterologous Expression and Kinetic Analysis of Pr ⁺ Pfr Conversion. <i>Photochemistry and Photobiology</i> , 1998, 68, 857.	2.5	3
90	Structural Volume Changes upon Photoisomerization of the Bilirubin-Albumin Complex: A Laser-Induced Optoacoustic Study. <i>Photochemistry and Photobiology</i> , 1998, 68, 433.	2.5	0

#	ARTICLE	IF	CITATIONS
91	Recombinant Type A and B Phytochromes from Potato. Transient Absorption Spectroscopy. <i>Biochemistry</i> , 1997, 36, 103-111.	2.5	57
92	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. <i>Journal of Physical Chemistry A</i> , 1997, 101, 7718-7724.	2.5	22
93	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
94	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
95	Role of the Triplet State in Retinal Photoisomerization As Studied by Laser-Induced Optoacoustic Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1997, 101, 7620-7627.	2.6	15
96	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
97	Quenching of singlet molecular oxygen by natural furan diterpenes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 38, 169-173.	3.8	14
98	Photophysical properties of porphycene derivatives (18 β porphyrinoids). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 40, 191-198.	3.8	75
99	Polymer bound pyrrole compounds, IX. Photophysical and singlet molecular oxygen photosensitizing properties of mesoporphyrin IX covalently bound to a low molecular weight polyethylene glycol. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 41, 53-59.	3.8	12
100	Raman spectroscopic analysis of isomers of biliverdin dimethyl ester. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997, 15, 1319-1324.	2.8	16
101	Phytochrome photoconversion. <i>Plant, Cell and Environment</i> , 1997, 20, 700-706.	5.7	80
102	Octaethylhemiporphycene: Synthesis, Molecular Structure and Photophysics. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1651-1654.	4.4	87
103	Regioselective Deuteration and Resonance Raman Spectroscopic Characterization of Biliverdin and Phycocyanobilin. <i>Chemistry - A European Journal</i> , 1997, 3, 363-367.	3.3	14
104	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
105	Primary Quantum Yield and Volume Change of Phytochrome-A Phototransformation Determined by Laser-Induced Optoacoustic Spectroscopy. <i>Photochemistry and Photobiology</i> , 1996, 63, 719-725.	2.5	32
106	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
107	Volume changes on triplet production and quenching: time-resolved optoacoustic studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996, 102, 47-49.	3.9	4
108	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

#	ARTICLE	IF	CITATIONS
109	Volume changes associated with intramolecular electron transfer during MLCT state formation. Time-resolved optoacoustic studies of ruthenium cyano complexes. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1995, 114, 542-548.	0.0	56
110	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
111	Fourier-Transform Resonance Raman Spectroscopy of Intermediates of the Phytochrome Photocycle. <i>Biochemistry</i> , 1995, 34, 10497-10507.	2.5	109
112	Photoinduced volume change and energy storage associated with the early transformations of the photoactive yellow protein from <i>Ectothiorhodospira halophila</i> . <i>Biophysical Journal</i> , 1995, 68, 1101-1109.	0.5	101
113	Time-resolved volume changes during the bacteriorhodopsin photocycle: A photothermal beam deflection study.. <i>The Journal of Physical Chemistry</i> , 1995, 99, 9617-9624.	2.9	64
114	Effect of Solvent on the Radiative Decay of Singlet Molecular Oxygen (a1.DELTA.g). <i>The Journal of Physical Chemistry</i> , 1995, 99, 3521-3526.	2.9	138
115	Photothermal Studies with Biological Photoreceptors. The Bacteriorhodopsin Photocycle. <i>Journal of the Brazilian Chemical Society</i> , 1995, 6, 167-171.	0.6	0
116	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
117	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
118	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
119	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
120	Photoinduced volume changes associated with the early transformations of bacteriorhodopsin: a laser-induced optoacoustic spectroscopy study. <i>Biophysical Journal</i> , 1994, 66, 838-843.	0.5	51
121	A possible protein motion during the bacteriorhodopsin photocycle detected by combined photothermal beam deflection and optical detection. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1185, 92-96.	1.0	10
122	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
123	A PHYTOCHROME STUDY USING TWO-LASER/TWO-COLOR FLASH PHOTOLYSIS: I700IS A MANDATORY INTERMEDIATE IN THE PrPfrPHOTOTRANSFORMATION. <i>Photochemistry and Photobiology</i> , 1993, 57, 690-695.	2.5	24
124	A PHYTOCHROME PHOTOTRANSFORMATION STUDY USING TWO-LASER/TWO-COLOR FLASH PHOTOLYSIS: ANALYSIS OF THE DECAY MECHANISM OF I₇₀₀*. <i>Photochemistry and Photobiology</i> , 1993, 58, 106-115.	2.5	36
125	EFFECTS OF BOUND MONOCLONAL ANTIBODIES ON THE DECAY OF THE PHOTOTRANSFORMATION INTERMEDIATES I1,21700FROM NATIVE <i>Avena</i> PHYTOCHROME. <i>Photochemistry and Photobiology</i> , 1993, 58, 417-424.	2.5	11
126	Singlet molecular oxygen [] production and quenching by hydroxybiphenyls. <i>Chemosphere</i> , 1993, 26, 1691-1701.	8.2	30

#	ARTICLE	IF	CITATIONS
127	Time-resolved photothermal and photoacoustic methods applied to photoinduced processes in solution. <i>Chemical Reviews</i> , 1992, 92, 1381-1410.	47.7	567
128	Fourier transform resonance Raman spectroscopy of phytochrome. <i>Biochemistry</i> , 1992, 31, 7957-7962.	2.5	43
129	Photophysics and photochemistry of 22.pi. and 26.pi. acetylene-cumulene porphyrinoids. <i>Journal of the American Chemical Society</i> , 1992, 114, 9969-9978.	13.7	63
130	The phototransformation process in phytochrome. I. Ultrafast fluorescence component and kinetic models for the initial Pr $\hat{\alpha}$ †, Pfr transformation steps in native phytochrome. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1992, 1140, 59-68.	1.0	50
131	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
132	The effects of Ca ²⁺ and Ca ²⁺ + $\hat{\alpha}$ calmodulin on the decay of the intermediates I1, 2700 from native Avena phytochrome. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1992, 14, 293-310.	3.8	4
133	Influence of the ionic strength on O ₂ ($\hat{\alpha}$ g) quenching by azide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 66, 153-157.	3.9	35
134	Photosynthetic energy storage in cyanobacterial cells adapted to light-states 1 and 2. A laser-induced optoacoustic study. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1991, 1060, 315-318.	1.0	18
135	Phytochrome models. 11. Photophysics and photochemistry of phycocyanobilin dimethyl ester. <i>Journal of the American Chemical Society</i> , 1991, 113, 7322-7334.	13.7	32
136	Comment on "œphotomorphogenesis" a term designating photoregulation or photocontrol by plants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1991, 11, 380-381.	3.8	0
137	Triplet states of molecules undergoing internal double-proton transfer in the S ₁ state: 2,2- $\hat{\alpha}$ -bipyridyl-diol and its 5,5- $\hat{\alpha}$ -dimethylated derivative. <i>Chemical Physics Letters</i> , 1991, 185, 206-211.	2.6	30
138	CARBOXYLATED ZINC- $\hat{\alpha}$ PHthalocyanines- $\hat{\alpha}$ "II* DIMERIZATION AND SINGLET MOLECULAR OXYGEN SENSITIZATION IN HEXADECYLTRIMETHYLAMMONIUM BROMIDE MICELLES. <i>Photochemistry and Photobiology</i> , 1991, 54, 367-373.	2.5	63
139	CARBOXYLATED ZINC- $\hat{\alpha}$ 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
140	POLYMER BOUND PYRROLE COMPOUNDS- $\hat{\alpha}$ VI. PHOTOPHYSICAL PROPERTIES OF MONOMERIC MODELS FOR POLYSTYRENE-BOUND PORPHYRINS. <i>Photochemistry and Photobiology</i> , 1991, 53, 185-193.	2.5	8
141	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
142	Optoacoustic Raman Gain Spectroscopy of Binary Mixtures. , 1991, , 599-603.		0
143	FLUORESCENCE QUANTUM YIELDS OF 124 $\hat{\alpha}$ Da PHYTOCHROME FROM OAT UPON EXCITATION WITHIN DIFFERENT ABSORPTION BANDS. <i>Photochemistry and Photobiology</i> , 1990, 52, 19-22.	2.5	24
144	QUANTUM YIELD OF PRODUCTION OF SINGLET MOLECULAR OXYGEN ($\hat{\alpha}$ g) IN AQUEOUS DISPERSIONS OF SMALL UNILAMELLAR LIPID VESICLES. A TIME-RESOLVED NEAR-IR PHOSPHORESCENCE STUDY*, $\hat{\alpha}$. <i>Photochemistry and Photobiology</i> , 1990, 51, 551-556.	2.5	24

#	ARTICLE	IF	CITATIONS
145	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
146	Laser-Induced Optoacoustic Spectroscopy (LIOAS) of Proteins: Spectrum of Bovine Serum Albumin in the 532-670 nm Region. <i>Applied Spectroscopy</i> , 1990, 44, 1706-1710.	2.2	3
147	The photophysical properties of porphycene incorporated in small unilamellar lipid vesicles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1989, 3, 193-207.	3.8	27
148	Quantum yield of singlet molecular oxygen sensitization by copper(II) tetracarboxyphthalocyanine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1989, 3, 615-624.	3.8	55
149	Laser-induced optoacoustic calorimetry of primary processes in cells of <i>Rhodospirillum rubrum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1989, 975, 88-95.	1.0	11
150	Photophysical processes of polymethine dyes. An absorption, emission, and optoacoustic study on 3,3'-diethylthiadicyanone iodide. <i>The Journal of Physical Chemistry</i> , 1989, 93, 6696-6699.	2.9	43
151	Chemical actinometry. <i>Pure and Applied Chemistry</i> , 1989, 61, 187-210.	1.9	185
152	Detection of a Phytochrome-like Protein in Macroalgae. <i>Botanica Acta</i> , 1989, 102, 178-180.	1.6	43
153	Time resolved photoacoustics in biology. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1989, 93, 356-358.	0.9	3
154	124-kDa PHYTOCHROME IN MODEL MEMBRANE SYSTEMS: STUDIES OF THE 700 INTERMEDIATES WITH THE PROTEIN COVALENTLY BOUND TO PREFORMED LIPOSOMES. <i>Photochemistry and Photobiology</i> , 1988, 47, 305-310.	2.5	19
155	124-kDa PHYTOCHROME IN MODEL MEMBRANE SYSTEMS: ASSOCIATION STUDIES AND COVALENT BINDING TO PREFORMED LIPOSOMES. <i>Photochemistry and Photobiology</i> , 1988, 47, 311-316.	2.5	10
156	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
157	Time-resolved thermal lensing and phosphorescence studies on photosensitized singlet molecular oxygen formation. Influence of the electronic configuration of the sensitizer on sensitization efficiency. <i>Chemical Physics Letters</i> , 1988, 148, 523-529.	2.6	133
158	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
159	Glossary of terms used in photochemistry (Recommendations 1988). <i>Pure and Applied Chemistry</i> , 1988, 60, 1055-1106.	1.9	42
160	Spectrum, energy content and relaxation mechanism of the photoisomer of the laser dye 3,3'-diethylthiadicyanone iodide. Laser-induced optoacoustic studies. <i>The Journal of Physical Chemistry</i> , 1988, 92, 5958-5962.	2.9	36
161	THE PRODUCTION OF SINGLET MOLECULAR OXYGEN BY ZINC(II) PHTHALOCYANINE IN ETHANOL AND IN UNILAMELLAR VESICLES. CHEMICAL QUENCHING AND PHOSPHORESCENCE STUDIES. <i>Photochemistry and Photobiology</i> , 1988, 48, 1-5.	2.5	111
162	Study of 124-kilodalton oat phytochrome photoconversions in vitro with laser-induced optoacoustic spectroscopy. <i>Biochemistry</i> , 1987, 26, 1422-1427.	2.5	47

#	ARTICLE	IF	CITATIONS
163	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
164	Fluorescence lifetimes and relative quantum yields of 124-kilodalton oat phytochrome in water and deuterium oxide solutions. <i>Biochemistry</i> , 1987, 26, 1412-1417.	2.5	62
165	Selected terms and symbols in photochemistry. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1987, 1, 261-270.	3.8	6
166	Laser-induced optoacoustic studies of the photoisomerization of the laser dye 3,3'-diethyloxadicarbocyanine iodide (DODCUI). <i>Chemical Physics Letters</i> , 1987, 134, 335-340.	2.6	28
167	THERMAL LENSING AND PHOSPHORESCENCE STUDIES OF THE QUANTUM YIELD AND LIFETIME OF SINGLET MOLECULAR OXYGEN ($^1\text{O}_2$) SENSITIZED BY HEMATOPORPHYRIN AND RELATED PORPHYRINS IN DEUTERATED AND NON-DEUTERATED ETHANOLS. <i>Photochemistry and Photobiology</i> , 1987, 45, 209-213.	2.5	57
168	Triplet lifetime determination by laser-induced optoacoustic spectroscopy. benzophenone/iodide revisited. <i>Chemical Physics Letters</i> , 1986, 131, 183-188.	2.6	45
169	PHYTOCHROME MODELS: PART 10. CONCENTRATION, SONICATION AND TEMPERATURE AFFECTING THE POPULATION OF THE GROUND-STATE CONFORMERS OF BILIVERDIN DIMETHYL ESTER IN SOLUTION. <i>Photochemistry and Photobiology</i> , 1986, 44, 433-440.	2.5	4
170	THE PHOTOPHYSICAL PROPERTIES OF PORPHYCENES: POTENTIAL PHOTODYNAMIC THERAPY AGENTS*. <i>Photochemistry and Photobiology</i> , 1986, 44, 555-559.	2.5	110
171	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
172	PHOTOPHYSICAL PARAMETERS OF CHLOROPHYLLS <i>a</i> AND <i>b</i> - FLUORESCENCE AND LASER-INDUCED OPTOACOUSTIC MEASUREMENTS. <i>Photochemistry and Photobiology</i> , 1986, 43, 127-131.	2.5	22
173	Thermal-lensing measurements of singlet molecular oxygen ($^1\text{O}_2$): Quantum yields of formation and lifetimes. <i>Journal of Photochemistry and Photobiology</i> , 1985, 31, 37-48.	0.6	123
174	Photoacoustic measurements and mindo/3 calculations of energy storage by short-lived species: the spiro[1,8-a]dihydroindolizine-betaine system. <i>Journal of Photochemistry and Photobiology</i> , 1985, 31, 297-305.	0.6	13
175	PHYTOCHROME MODELS, PART 9. CONFORMATION SELECTIVITY OF THE PHOTOCYCLIZATION OF THE BILIVERDIN IX β and IX γ DIMETHYL ESTERS. <i>Photochemistry and Photobiology</i> , 1985, 41, 237-246.	2.5	10
176	THE KINETICS OF THE EARLY STAGES OF THE PHYTOCHROME PHOTOTRANSFORMATION $P_{r\rightarrow\hat{r}}$ P _{fr} . A COMPARATIVE STUDY OF SMALL (60 kDalton) and NATIVE (124 kDalton) PHYTOCHROMES FROM OAT. <i>Photochemistry and Photobiology</i> , 1985, 41, 681-688.	2.5	63
177	Time-Resolved Photoacoustic and Photothermal Methods Application to Substances of Biological Interest. , 1985, , 147-170.		5
178	Picosecond time-resolved and stationary fluorescence of oat phytochrome highly enriched in the native 124 kDa protein. <i>BBA - Proteins and Proteomics</i> , 1984, 791, 265-273.	2.1	51
179	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
180	STUDIES ON PHYTOCHROME PHOTOCONVERSIONS <i>IN VITRO</i> WITH LASER-INDUCED OPTOACOUSTIC SPECTROSCOPY*. <i>Photochemistry and Photobiology</i> , 1984, 40, 361-367.	2.5	27

#	ARTICLE	IF	CITATIONS
181	SPECTRAL STUDY OF THE PHOTOCHEMISTRY OF DIPYRROLE MODELS FOR BILIRUBIN BOUND TO HUMAN SERUM ALBUMIN. <i>Photochemistry and Photobiology</i> , 1983, 37, 263-270.	2.5	31
182	Photoprocesses in biliverdin dimethyl ester in ethanol studied by laser-induced optoacoustic spectroscopy (lioas). <i>Tetrahedron</i> , 1983, 39, 1909-1913.	1.9	45
183	Solution Conformations, Photophysics, and Photochemistry of Bile Pigments; Bilirubin and Biliverdin, Dimethyl Esters and Related Linear Tetrapyrroles. <i>Angewandte Chemie International Edition in English</i> , 1983, 22, 656-674.	4.4	99
184	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
185	THE BLUE ANOMALOUS EMISSION OF LARGE AND SMALL PHYTOCHROME. <i>Photochemistry and Photobiology</i> , 1982, 36, 581-584.	2.5	16
186	Phytochrome models. 6. Conformation control by membrane of biliverdin dimethyl ester incorporated into lipid vesicles. <i>Journal of the American Chemical Society</i> , 1981, 103, 7152-7158.	13.7	24
187	Photochemical and thermal rearrangements of a benzoylnaphthobarrelene-like system. <i>Tetrahedron</i> , 1981, 37, 3245-3261.	1.9	14
188	Phytochrome models. <i>Journal of Chromatography A</i> , 1981, 205, 85-94.	3.7	12
189	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
190	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
191	THE PHOTOPHYSICS OF BONELLIN: A CHLORIN FOUND IN MARINE ANIMALS. <i>Photochemistry and Photobiology</i> , 1980, 32, 733-738.	2.5	22
192	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
193	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
194	<i>Chemie</i> , 1978, 1978, 2002-2017.	0.5	71
195	Modeling study of seasonal effect on air pollution at 60.degree.N latitude. <i>Environmental Science & Technology</i> , 1977, 11, 801-808.	10.0	22
196	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
197	Quenching of the norrish type II reaction of butyrophenone by thiophenic compounds. <i>Journal of Photochemistry and Photobiology</i> , 1975, 4, 375-380.	0.6	0
198	The Photolysis of Tetra(trifluoromethyl)thiophene Vapor. <i>Canadian Journal of Chemistry</i> , 1972, 50, 2721-2724.	1.1	45

#	ARTICLE	IF	CITATIONS
199	Photolysis of Thiolane Vapor. Canadian Journal of Chemistry, 1971, 49, 1316-1320.	1.1	6
200	The phytochromes: spectroscopy and function. Comprehensive Series in Photochemical and Photobiological Sciences, 0, , 136-180.	0.3	7