Juan C Scaiano

List of Publications by Year
in descending order

693 papers	28,504 citations	6592 79 h-index	17055 122 g-index
880 all docs	880 docs citations	880 times ranked	18992 citing authors

#	Article	IF	Citations
1	Rate constants for the reactions of free radicals with oxygen in solution. Journal of the American Chemical Society, 1983, 105, 5095-5099.	6.6	453
2	Photochemistry and photophysics from upper triplet levels of 9,10-dibromoanthracene. Journal of the American Chemical Society, 1989, 111, 335-340.	6.6	390
3	Light Emitting Diode Irradiation Can Control the Morphology and Optical Properties of Silver Nanoparticles. Journal of the American Chemical Society, 2010, 132, 1825-1827.	6.6	365
4	Rate constants and Arrhenius parameters for the reactions of primary, secondary, and tertiary alkyl radicals with tri-n-butyltin hydride. Journal of the American Chemical Society, 1981, 103, 7739-7742.	6.6	348
5	Solvent effects in the photochemistry of xanthone. Journal of the American Chemical Society, 1980, 102, 7747-7753.	6.6	344
6	Optimal Size of Silver Nanoparticles for Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 1403-1409.	1.5	332
7	Photophysical Properties of Fluorescent DNA-dyes Bound to Single- and Double-stranded DNA in Aqueous Buffered SolutionÂ¶. Photochemistry and Photobiology, 2001, 73, 585.	1.3	310
8	Facile Photochemical Synthesis of Unprotected Aqueous Gold Nanoparticles. Journal of the American Chemical Society, 2006, 128, 15980-15981.	6.6	280
9	Hydrogen abstraction by tert-butoxy radicals. A laser photolysis and electron spin resonance study. Journal of the American Chemical Society, 1978, 100, 4520-4527.	6.6	277
10	Intermolecular photoreductions of ketones. Journal of Photochemistry and Photobiology, 1973, 2, 81-118.	0.6	250
11	Mechanistic Insights and Kinetic Analysis for the Oxidative Hydroxylation of Arylboronic Acids by Visible Light Photoredox Catalysis: A Metal-Free Alternative. Journal of the American Chemical Society, 2013, 135, 13286-13289.	6.6	241
12	Intrazeolite Photochemistry:â€‰ Toward Supramolecular Control of Molecular Photochemistry. Accounts of Chemical Research, 1999, 32, 783-793.	7.6	228
13	Absolute rate constants for the reactions of tert-butoxyl, tert-butylperoxyl, and benzophenone triplet with amines: the importance of a stereoelectronic effect. Journal of the American Chemical Society, 1981, 103, 619-623.	6.6	215
14	Metal-Free Photocatalytic Radical Trifluoromethylation Utilizing Methylene Blue and Visible Light Irradiation. ACS Catalysis, 2014, 4, 2530-2535.	5.5	207
15	Facile Photochemical Synthesis and Characterization of Highly Fluorescent Silver Nanoparticles. Journal of the American Chemical Society, 2009, 131, 13972-13980.	6.6	204
16	Recombinant human collagen for tissue engineered corneal substitutes. Biomaterials, 2008, 29, 1147-1158.	5.7	202
17	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. Biomaterials, 2012, 33, 4947-4956.	5.7	200
18	Phenyl radical kinetics. Journal of the American Chemical Society, 1983, 105, 3609-3614.	6.6	190

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19	Reaction of tert-butoxy radicals with phenols. Comparison with the reactions of carbonyl triplets. Journal of the American Chemical Society, 1981, 103, 4162-4166.	6.6	186
20	A Novel Photometric Method for the Determination of Photoacid Generation Efficiencies Using Benzothiazole and Xanthene Dyes as Acid Sensors. Chemistry of Materials, 1997, 9, 3222-3230.	3.2	179
21	Exploratory study of the intermolecular reactivity of excited diphenylmethyl radicals. Journal of the American Chemical Society, 1985, 107, 4396-4403.	6.6	178
22	Laser flash photolysis studies of the reactions of some 1,4-biradicals. Accounts of Chemical Research, 1982, 15, 252-258.	7.6	175
23	Effect of cyclodextrin complexation on the photochemistry of xanthone. Absolute measurement of the kinetics for triplet-state exit. Journal of the American Chemical Society, 1990, 112, 8075-8079.	6.6	173
24	Exploratory study of the effect of polyelectrolyte surfactant aggregates on photochemical behavior. Journal of the American Chemical Society, 1984, 106, 6274-6283.	6.6	172
25	Understanding the Kinetics and Spectroscopy of Photoredox Catalysis and Transition-Metal-Free Alternatives. Accounts of Chemical Research, 2016, 49, 1320-1330.	7.6	172
26	Collagenâ€“phosphorylcholine interpenetrating network hydrogels as corneal substitutes. Biomaterials, 2009, 30, 1551-1559.	5.7	171
27	Photochemical Strategies for the Synthesis of Gold Nanoparticles from Au(III) and Au(I) Using Photoinduced Free Radical Generation. Journal of the American Chemical Society, 2008, 130, 16572-16584.	6.6	162
28	Photochemistry of benzophenone in micelles. Formation and decay of radical pairs. Journal of the American Chemical Society, 1982, 104, 5673-5679.	6.6	160
29	Absolute rate constants for reaction of phenyl, 2,2-dimethylvinyl, cyclopropyl, and neopentyl radicals with tri-n-butylstannane. Comparison of the radical trapping abilities of tri-n-butylstannane and -germane. Journal of the American Chemical Society, 1985, 107, 4594-4596.	6.6	153
30	Laser flash photolysis study of the reactions of carbonyl triplets with phenols and photochemistry of p-hydroxypropiophenone. Journal of the American Chemical Society, 1981, 103, 4154-4162.	6.6	152
31	Photochemical Strategies for the Facile Synthesis of Goldâ^'Silver Alloy and Coreâ^'Shell Bimetallic Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 11861-11867.	1.5	143
32	Transient Intermediates in the Laser Flash Photolysis of Ketoprofen in Aqueous Solutions:â€‰ Unusual Photochemistry for the Benzophenone Chromophore. Journal of the American Chemical Society, 1997, 119, 11066-11070.	6.6	141
33	Aspartame-Stabilized Goldâ€“Silver Bimetallic Biocompatible Nanostructures with Plasmonic Photothermal Properties, Antibacterial Activity, and Long-Term Stability. Journal of the American Chemical Society, 2014, 136, 17394-17397.	6.6	140
34	Photochemical Norrish type I reaction as a tool for metal nanoparticle synthesis: importance of proton coupled electron transfer. Chemical Communications, 2012, 48, 4798.	2.2	138
35	Photoenolization of o-alkyl-substituted carbonyl compounds. Use of electron transfer processes to characterize transient intermediates. Journal of the American Chemical Society, 1979, 101, 6965-6970.	6.6	137
36	High-Temperature Organic Reactions at Room Temperature Using Plasmon Excitation: Decomposition of Dicumyl Peroxide. Organic Letters, 2011, 13, 204-207.	2.4	135

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37	Time-resolved studies of biradical reactions in solution. Chemical Reviews, 1989, 89, 521-547.	23.0	134
38	Reaction of benzophenone triplets with allylic hydrogens. Laser flash photolysis study. Journal of the American Chemical Society, 1981, 103, 6393-6397.	6.6	133
39	Photochemical generation of radical cations from .alpha.-terthienyl and related thiophenes: kinetic behavior and magnetic field effects on radical-ion pairs in micellar solution. Journal of the American Chemical Society, 1990, 112, 2694-2701.	6.6	125
40	Copper nanoparticle heterogeneous catalytic â€˜clickâ€™ cycloaddition confirmed by single-molecule spectroscopy. Nature Communications, 2014, 5, 4612.	5.8	121
41	Intrazeolite Photochemistry. 17. Zeolites as Electron Donors:â€‰ Photolysis of Methylviologen Incorporated within Zeolites. Journal of Physical Chemistry B, 1997, 101, 3043-3051.	1.2	120
42	Bond Dissociation Energies for Radical Dimers Derived from Highly Stabilized Carbon-Centered Radicals. Organic Letters, 2004, 6, 2579-2582.	2.4	119
43	Decomposition Kinetics, Arrhenius Parameters, and Bond Dissociation Energies for Alkoxyamines of Relevance in â€œLivingâ€•Free Radical Polymerization. Macromolecules, 1998, 31, 9103-9105.	2.2	115
44	Photocatalytic Hydrogen Generation Using Metal-Decorated TiO₂: Sacrificial Donors vs True Water Splitting. ACS Energy Letters, 2018, 3, 542-545.	8.8	113
45	Photochemistry of o-nitrobenzaldehyde and related studies. The Journal of Physical Chemistry, 1980, 84, 492-495.	2.9	112
46	Absolute rate constants for the decarbonylation of the phenylacetyl radical. The Journal of Physical Chemistry, 1983, 87, 529-530.	2.9	111
47	On the antioxidant activity of melatonin. Free Radical Biology and Medicine, 1999, 26, 117-128.	1.3	110
48	Photochemistry of organic reaction intermediates: novel reaction paths induced by two-photon laser excitation. Accounts of Chemical Research, 1988, 21, 22-29.	7.6	107
49	Mapping Photogenerated Radicals in Thin Polymer Films:â€‰ Fluorescence Imaging Using a Prefluorescent Radical Probe. Journal of the American Chemical Society, 2003, 125, 620-621.	6.6	107
50	Absolute rate constants for the reactions of tributylgermyl and tributylstannyl radicals with carbonyl compounds, other unsaturated molecules, and organic halides. Journal of the American Chemical Society, 1984, 106, 343-348.	6.6	106
51	Absolute rate constants for the reactions of tert-butoxyl with ethers: importance of the stereoelectronic effect. Journal of Organic Chemistry, 1982, 47, 1455-1459.	1.7	105
52	Absolute rate constants for the addition of triethylsilyl radicals to various unsaturated compounds. Journal of the American Chemical Society, 1983, 105, 3292-3296.	6.6	103
53	Cucurbituril complexes cross the cell membrane. Photochemical and Photobiological Sciences, 2009, 8, 1743-1747.	1.6	101
54	Does intersystem crossing in triplet biradicals generate singlets with conformational memory?. Tetrahedron, 1982, 38, 819-824.	1.0	100

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55	EFFICIENCY OF THE PHOTOPROCESSES LEADING TO SINGLET OXYGEN (1Î´_g) GENERATION BY Î±â€²TERTHIENYL: OPTICAL ABSORPTION, OPTOACOUSTIC CALORIMETRY AND INFRARED LUMINESCENCE STUDIES*. Photochemistry and Photobiology, 1990, 52, 655-659.	1.3	100
56	Formation, decay, and spectral characterization of some alkyl- and aryl-substituted carbon-, silicon-, germanium-, and tin-centered radicals. Organometallics, 1983, 2, 1332-1335.	1.1	98
57	Substituent effects on hydrogen abstraction by phenyl ketone triplets. Journal of the American Chemical Society, 1985, 107, 7093-7097.	6.6	98
58	1-Naphthylcarbene: spectroscopy, kinetics, and mechanisms. Journal of the American Chemical Society, 1986, 108, 3928-3937.	6.6	98
59	Exploratory laser flash photolysis study of free radical reactions and magnetic field effects in melatonin chemistry. Journal of Pineal Research, 1995, 19, 189-195.	3.4	98
60	Improving the Sunscreen Properties of TiO₂ through an Understanding of Its Catalytic Properties. ACS Omega, 2016, 1, 464-469.	1.6	94
61	Photochemical routes to silver and gold nanoparticles. Pure and Applied Chemistry, 2009, 81, 635-647.	0.9	90
62	Quantitative Determination of Singlet Oxygen Generated by Excited State Aromatic Amino Acids, Proteins, and Immunoglobulins. Journal of the American Chemical Society, 2008, 130, 6912-6913.	6.6	89
63	Absolute rate constants for the reaction of triethylsilyl radicals with organic halides. Journal of the American Chemical Society, 1982, 104, 5123-5127.	6.6	88
64	Absolute rate constants for reactions of cumyloxy in solution. Journal of the American Chemical Society, 1983, 105, 6120-6123.	6.6	88
65	MODEL FOR THE RATIONALIZATION OF MAGNETIC FIELD EFFECTS IN VIVO. APPLICATION OF THE RADICALâ€PAIR MECHANISM TO BIOLOGICAL SYSTEMS. Photochemistry and Photobiology, 1994, 59, 585-589.	1.3	88
66	Influence of solvent polarity and base concentration on the photochemistry of ketoprofen: independent singlet and triplet pathways. Physical Chemistry Chemical Physics, 1999, 1, 3533-3537.	1.3	88
67	Plasmon-Mediated Catalytic Oxidation of sec-Phenethyl and Benzyl Alcohols. Journal of Physical Chemistry C, 2011, 115, 10784-10790.	1.5	88
68	Titanium dioxide visible light photocatalysis: surface association enables photocatalysis with visible light irradiation. Chemical Communications, 2017, 53, 4335-4338.	2.2	88
69	Photochemical Synthesis of a Water Oxidation Catalyst Based on Cobalt Nanostructures. Journal of the American Chemical Society, 2011, 133, 16742-16745.	6.6	87
70	Measurement of the dipole moments of excited states and photochemical transients by microwave dielectric absorption. The Journal of Physical Chemistry, 1982, 86, 3803-3811.	2.9	86
71	Kinetic study of the photochlorination of 2,3-dimethylbutane and other alkanes in solution in the presence of benzene. First measurements of the absolute rate constants for hydrogen abstraction by the "free" chlorine atom and the chlorine atom-benzene .pi.-complex. Identification of these two species as the only hydrogen abstractors in these systems. Journal of the American Chemical Society, 1985, 107, 5464-5472.	6.6	86
72	Photochemical synthesis of TEMPO-capped initiators for â€œlivingâ€•free radical polymerization. Tetrahedron Letters, 1996, 37, 4919-4922.	0.7	86

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73	Oxygen Quenching of Excited Aliphatic Ketones and Diketones. The Journal of Physical Chemistry, 1996, 100, 11360-11367.	2.9	86
74	Visible-Light Actinometry and Intermittent Illumination as Convenient Tools to Study Ru(bpy)3Cl2 Mediated Photoredox Transformations. Scientific Reports, 2015, 5, 16397.	1.6	86
75	Library of Cationic Organic Dyes for Visible-Light-Driven Photoredox Transformations. ACS Omega, 2016, 1, 66-76.	1.6	86
76	Generation and transient spectroscopy of substituted diaryl carbonyl oxides. Journal of Organic Chemistry, 1989, 54, 1612-1616.	1.7	84
77	Non-linear effects in the quenching of fluorescent quantum dots by nitroxyl free radicals. Chemical Communications, 2006, , 257-259.	2.2	84
78	Safety and efficacy of composite collagenâ€“silver nanoparticle hydrogels as tissue engineering scaffolds. Nanoscale, 2015, 7, 18789-18798.	2.8	83
79	Potential analytical applications of differential fluorescence quenching: pyrene monomer and excimer emissions as sensors for electron deficient molecules. Photochemical and Photobiological Sciences, 2005, 4, 817.	1.6	82
80	Heterogeneous Photocatalytic Click Chemistry. Journal of the American Chemical Society, 2016, 138, 13127-13130.	6.6	82
81	Photochemical and free-radical processes in benzil-amine systems. Electron-donor properties of .alpha.-aminoalkyl radicals. The Journal of Physical Chemistry, 1981, 85, 2851-2855.	2.9	81
82	Reaction of diphenylcarbene with oxygen: a laser flash photolysis study. Canadian Journal of Chemistry, 1984, 62, 2391-2392.	0.6	81
83	A Carbon-Centered Radical Unreactive Toward Oxygen:â€‰ Unusual Radical Stabilization by a Lactone Ring. Organic Letters, 2000, 2, 899-901.	2.4	80
84	Kinetic applications of electron paramagnetic resonance spectroscopy. 25. Radicals formed by spin trapping with di-tert-butyl thioketone. Journal of the American Chemical Society, 1976, 98, 4727-4732.	6.6	79
85	Absolute kinetics of hydrogen abstraction from .alpha.-tocopherol by several reactive species including an alkyl radical. Journal of the American Chemical Society, 1992, 114, 4589-4593.	6.6	79
86	Rapid one-pot propargylamine synthesis by plasmon mediated catalysis with gold nanoparticles on ZnO under ambient conditions. Chemical Communications, 2013, 49, 1732.	2.2	79
87	The photochemical alkylation and reduction of heteroarenes. Chemical Science, 2017, 8, 7412-7418.	3.7	77
88	Intrazeolite Photochemistry. 20. Characterization of Highly Luminescent Europium Complexes inside Zeolites. Journal of Physical Chemistry B, 1998, 102, 8744-8750.	1.2	75
89	Intrazeolite Photochemistry. 22. Acidâ^'Base Properties of Coumarin 6. Characterization in Solution, the Solid State, and Incorporated into Supramolecular Systems. Journal of Physical Chemistry B, 1998, 102, 5852-5858.	1.2	75
90	Can Surface Plasmon Fields Provide a New Way to Photosensitize Organic Photoreactions? From Designer Nanoparticles to Custom Applications. Journal of Physical Chemistry Letters, 2013, 4, 1177-1187.	2.1	75

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91	Free Radical Sensor Based on CdSe Quantum Dots with Added 4-Amino-2,2,6,6-Tetramethylpiperidine Oxide Functionality. Journal of Physical Chemistry B, 2006, 110, 16353-16358.	1.2	74
92	Photolysis of an alkoxyamine using intramolecular energy transfer from a quinoline antennaâ€"towards photo-induced living radical polymerization. Photochemical and Photobiological Sciences, 2007, 6, 833.	1.6	74
93	Methylene Blue Encapsulation in Cucurbit[7]uril: Laser Flash Photolysis and Near-IR Luminescence Studies of the Interaction with Oxygen. Langmuir, 2009, 25, 10490-10494.	1.6	74
94	Fragmentation of ketyl radicals derived from Î±-phenoxyacetophenone: an important mode of decay for lignin-related radicals?. Journal of Photochemistry and Photobiology A: Chemistry, 1991, 59, 265-268.	2.0	73
95	Application of the radical pair mechanism to free radicals in organized systems: Can the effects of 60 Hz be predicted from studies under static fields?. Bioelectromagnetics, 1994, 15, 549-554.	0.9	73
96	Lactone-Derived Carbon-Centered Radicals:â€‰ Formation and Reactivity with Oxygen. Organic Letters, 2001, 3, 4059-4062.	2.4	73
97	Gold nanoparticle catalysis of the cisâ€“trans isomerization of azobenzene. Chemical Communications, 2013, 49, 10073.	2.2	73
98	Characterization of the triplet-triplet annihilation process of pyrene and several derivatives under laser excitation. Journal of the American Chemical Society, 1990, 112, 4226-4231.	6.6	72
99	Intrazeolite Photochemistry. 13. Photophysical Properties of Bulky 2,4,6-Triphenylpyrylium and Tritylium Cations within Large- and Extra-Large-Pore Zeolites. The Journal of Physical Chemistry, 1996, 100, 18152-18157.	2.9	70
100	Photochemistry of Î±-chloro- and Î±-bromoacetophenone. Determination of extinction coefficients for halogenâ€“benzene complexes. Canadian Journal of Chemistry, 1988, 66, 1474-1478.	0.6	69
101	Laser photolysis studies of photochromic processes in spirooxazines: solvent effects on photomerocyanine behavior. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 66, 79-90.	2.0	69
102	Photosensitized dissociation of di-tert-butyl peroxide. Energy transfer to a repulsive excited state. Journal of the American Chemical Society, 1981, 103, 640-645.	6.6	68
103	Absolute measurement of the rates of radical exit and of radical-pair intersystem crossing in anionic micelles. Chemical Physics Letters, 1981, 81, 209-213.	1.2	68
104	Kinetics of Cap Separation in Nitroxide-Regulated â€œLivingâ€•Free Radical Polymerization:â€‰ Application of a Novel Methodology Involving a Prefluorescent Nitroxide Switch. Macromolecules, 2001, 34, 6184-6187.	2.2	68
105	Surface Plasmons Control the Dynamics of Excited Triplet States in the Presence of Gold Nanoparticles. Journal of the American Chemical Society, 2010, 132, 6298-6299.	6.6	68
106	Study of carbonyl oxide formation in the reaction of singlet oxygen with diphenyldiazomethane. Journal of the American Chemical Society, 1984, 106, 7623-7624.	6.6	67
107	Flash photolytic generation and study of ketene and carboxylic acid enol intermediates formed by the photolysis of diazonaphthoquinones in aqueous solution. Journal of the American Chemical Society, 1993, 115, 10605-10610.	6.6	67
108	Carbanion-Mediated Photocages:Â Rapid and Efficient Photorelease with Aqueous Compatibility. Journal of the American Chemical Society, 2005, 127, 7698-7699.	6.6	67

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109	Hydrogen bonding in alcohols: its effect on the carbene insertion reaction. Journal of the American Chemical Society, 1982, 104, 5549-5551.	6.6	66
110	Use of a photoreversible fulgide as an actinometer in one- and two-laser experiments. Journal of the American Chemical Society, 1988, 110, 511-517.	6.6	66
111	Exploratory study of the quenching of photosensitizers by initiators of free radical "living" polymerization. Canadian Journal of Chemistry, 1997, 75, 92-97.	0.6	65
112	Characterization of the Transient Intermediates Generated from the Photoexcitation of Nabumetone: A Comparison with Naproxen. Photochemistry and Photobiology, 1998, 68, 646-651.	1.3	65
113	RADICAL PROCESSES IN LIPIDS. A LASER PHOTOLYSIS STUDY OF tâ€BUTOXY RADICAL REACTIVITY TOWARD FATTY ACIDS. Photochemistry and Photobiology, 1979, 29, 49-51.	1.3	64
114	Temperature dependence of the photochemistry of aryl alkyl ketones. Journal of the American Chemical Society, 1983, 105, 1856-1860.	6.6	64
115	Reaction of Paraquat Radical Cations with Oxygen: A Pulse Radiolysis and Laser Photolysis Study. Radiation Research, 1977, 72, 218.	0.7	63
116	Reaction of diphenylcarbene with methanol. Journal of the American Chemical Society, 1984, 106, 198-202.	6.6	63
117	Kinetics of cyclopropyl radical reactions. 1. Absolute rate constants for some addition and abstraction reactions. Journal of the American Chemical Society, 1984, 106, 4877-4881.	6.6	63
118	A critical examination of transient assignments in the laser flash photolysis of 9-diazofluorene. Journal of the American Chemical Society, 1982, 104, 6813-6814.	6.6	62
119	Photochemical and Thermal Behavior of Styrenes within Acidic and Nonacidic Zeolites. Radical CationversusCarbocation Formation. Journal of Physical Chemistry B, 1997, 101, 6921-6928.	1.2	62
120	Mechanistic Studies of Photoacid Generation from Substituted 4,6-Bis(trichloromethyl)-1,3,5-triazines. Chemistry of Materials, 1997, 9, 1353-1361.	3.2	62
121	Radically Different Antioxidants:Â Thermally Generated Carbon-Centered Radicals as Chain-Breaking Antioxidants. Journal of the American Chemical Society, 2006, 128, 16432-16433.	6.6	62
122	Absolute rate constants for the reactions of tert-butoxyl radicals and some ketone triplets with silanes. Organometallics, 1982, 1, 466-469.	1.1	61
123	Laser flash photolysis study of the photochemistry of ring-substituted .beta.-phenylpropiophenones. Journal of the American Chemical Society, 1985, 107, 2617-2622.	6.6	61
124	Reactions of the â€œstableâ€•nitroxide radical TEMPO. Relevance to â€œlivingâ€•free radical polymerizations and autopolymerization of styrene. Tetrahedron Letters, 1997, 38, 1133-1136.	0.7	61
125	Laser Flash Photolysis Study of Two AromaticN-Oxyimidosulfonate Photoacid Generators. Chemistry of Materials, 2000, 12, 414-420.	3.2	61
126	Photophysics and photochemistry of dyes bound to human serum albumin are determined by the dye localization. Photochemical and Photobiological Sciences, 2010, 9, 93-102.	1.6	61

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127	Ultra-high density optical data storage in common transparent plastics. Scientific Reports, 2016, 6, 26163.	1.6	61
128	Photophysical behaviour and photodynamic activity of zinc phthalocyanines associated to liposomes. Photochemical and Photobiological Sciences, 2011, 10, 507-514.	1.6	60
129	LL37 peptide@silver nanoparticles: combining the best of the two worlds for skin infection control. Nanoscale, 2014, 6, 5725-5728.	2.8	60
130	Chemistry of the biradicals produced in the Norrish Type II reaction. Reviews of Chemical Intermediates, 1978, 2, 139-196.	1.1	58
131	A two-photon study of the "reluctant" Norrish type I reaction of benzil. Journal of the American Chemical Society, 1987, 109, 2179-2181.	6.6	58
132	Silver as an Example of the Applications of Photochemistry to the Synthesis and Uses of Nanomaterials^{â€,â€¡}. Photochemistry and Photobiology, 2012, 88, 762-768.	1.3	58
133	Human serum albumin as protecting agent of silver nanoparticles: role of the protein conformation and amine groups in the nanoparticle stabilization. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	58
134	Laser Flash Photolysis of Pyridine N-Oxide: Kinetic Studies of Atomic Oxygen [O(3P)] in Solution. The Journal of Physical Chemistry, 1994, 98, 12471-12473.	2.9	57
135	A New Method to Study Antioxidant Capability:â€‰ Hydrogen Transfer from Phenols to a Prefluorescent Nitroxide. Organic Letters, 2003, 5, 4145-4148.	2.4	57
136	Study of hydrogen atom abstraction reactions of triplet diphenylcarbene in solution. Journal of the American Chemical Society, 1984, 106, 283-287.	6.6	56
137	Fluorescence from Samarium(II) Iodide and Its Electron Transfer Quenching:Â Dynamics of the Reaction of Benzyl Radicals with Sm(II). Journal of Organic Chemistry, 1996, 61, 7918-7921.	1.7	56
138	How Drug Photodegradation Studies Led to the Promise of New Therapies and Some Fundamental Carbanion Reaction Dynamics along the Way. Accounts of Chemical Research, 2009, 42, 599-607.	7.6	56
139	Supported Gold Nanoparticles as Efficient Catalysts in the Solventless Plasmon Mediated Oxidation of sec-Phenethyl and Benzyl Alcohol. Journal of Physical Chemistry C, 2013, 117, 12279-12288.	1.5	56
140	Generation, spectroscopy, and reactivity of excited 1-naphthylmethyl radicals. Journal of the American Chemical Society, 1985, 107, 6368-6372.	6.6	55
141	Laser flash photolysis determination of absolute rate constants for reactions of bromine atoms in solution. Journal of the American Chemical Society, 1993, 115, 8340-8344.	6.6	55
142	Selective Photoinduced Antibacterial Activity of Amoxicillin-Coated Gold Nanoparticles: From One-Step Synthesis to in Vivo Cytocompatibility. ACS Omega, 2018, 3, 1220-1230.	1.6	55
143	Reaction of type II biradicals with paraquat ions. Measurement of biradical lifetimes. The Journal of Physical Chemistry, 1977, 81, 828-832.	2.9	54
144	Fluorenone oxide: transient spectroscopy and kinetics of its formation and reactions. Journal of the American Chemical Society, 1985, 107, 4616-4620.	6.6	54

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145	Reactivity and Efficiency of Singlet- and Triplet-Excited States in Intermolecular Hydrogen Abstraction Reactions. Journal of the American Chemical Society, 1996, 118, 2275-2282.	6.6	54
146	Influence of Acids on Reaction Rates of Free Radical Scavenging by TEMPO. Relevance to â€œLivingâ€•Free Radical Polymerizations. Macromolecules, 1996, 29, 5497-5499.	2.2	54
147	Greatly attenuated reactivity of nitrile-derived carbon-centered radicals toward oxygen. Chemical Communications, 2002, , 1576-1577.	2.2	54
148	Catalyst Decomposition during Olefin Metathesis Yields Isomerizationâ€Active Ruthenium Nanoparticles. ChemCatChem, 2016, 8, 2446-2449.	1.8	54
149	SINGLET OXYGEN GENERATING EFFICIENCY OF Î±â€TERTHIENYL and SOME OF ITS SYNTHETIC ANALOGUES*. Photochemistry and Photobiology, 1987, 46, 193-199.	1.3	53
150	Intrazeolite Photochemistry. 21. 2,4,6-Triphenylpyrylium Encapsulated inside Zeolite Y Supercages as Heterogeneous Photocatalyst for the Generation of Hydroxyl Radical. Journal of the American Chemical Society, 1998, 120, 7351-7352.	6.6	53
151	Fluorescence of 2,3-Diazabicyclo[2.2.2]oct-2-ene Revisited:Â Solvent-Induced Quenching of the n,Ï€*-Excited State by an Aborted Hydrogen Atom Transfer. Journal of Physical Chemistry A, 1999, 103, 1579-1584.	1.1	53
152	Kinetics of the Formation of Silver Dimers: Early Stages in the Formation of Silver Nanoparticles. Journal of the American Chemical Society, 2011, 133, 3913-3920.	6.6	53
153	Photochemical Strategies for the Seed-Mediated Growth of Gold and Goldâ€“Silver Nanoparticles. Langmuir, 2012, 28, 16148-16155.	1.6	53
154	Oxidation of copper nanoparticles in water: mechanistic insights revealed by oxygen uptake and spectroscopic methods. Dalton Transactions, 2013, 42, 5832.	1.6	53
155	Photochemistry of phenyl alkyl ketones. The lifetime of the intermediate biradicals. The Journal of Physical Chemistry, 1977, 81, 2126-2131.	2.9	52
156	Studies on the spiro[2.5]octadienyl radical and the 2-phenylethyl rearrangement. Journal of the American Chemical Society, 1980, 102, 6063-6068.	6.6	52
157	A kinetic study of the reactions of carbonyl ylides formed by the addition of fluorenylidene to ketones. Journal of the American Chemical Society, 1982, 104, 6631-6635.	6.6	52
158	Fluorenylidene: kinetics and mechanisms. Journal of the American Chemical Society, 1984, 106, 2227-2235.	6.6	52
159	Evidence for hydrogen transfer in the photochemistry of 2,2,6,6-tetramethylpiperidine N-oxyl. Journal of Organic Chemistry, 1986, 51, 2806-2808.	1.7	52
160	Magnetic Field Control of Photoinduced Silver Nanoparticle Formation. Journal of Physical Chemistry B, 2006, 110, 12856-12859.	1.2	52
161	PHOTOCHEMISTRY OF THE BOTANICAL PHOTOTOXIN, Î±â€TERTHIENYL AND SOME RELATED COMPOUNDS*. Photochemistry and Photobiology, 1986, 44, 441-451.	1.3	51
162	Laser flash photolysis studies on 4-oxocyclohexa-2,5-dienylidenes. Journal of Organic Chemistry, 1992, 57, 6469-6474.	1.7	51

#	Article	IF	Citations
163	Rate Constants for the Trapping of Various Carbon-Centered Radicals by Nitroxides:Â Unimolecular Initiators for Living Free Radical Polymerization. Macromolecules, 2000, 33, 5065-5072.	2.2	51
164	TiO2-promoted mineralization of organic sunscreens in water suspension and sodium dodecyl sulfate micelles. Photochemical and Photobiological Sciences, 2003, 2, 487-492.	1.6	51
165	Polynuclear gold(<scp>i</scp>) complexes in photoredox catalysis: understanding their reactivity through characterization and kinetic analysis. Catalysis Science and Technology, 2016, 6, 201-207.	2.1	51
166	Intrazeolite photochemistry. I. Phosphorescence enhancement of aromatic ketones included in silicalite.. Canadian Journal of Chemistry, 1984, 62, 628-629.	0.6	50
167	Simple method for quantifying the distribution of organic substrates between the micellar and aqueous phases of sodium dodecyl sulfate solution. Journal of the American Chemical Society, 1984, 106, 1983-1985.	6.6	50
168	Photochemistry of diphenylketyl radicals: spectroscopy, kinetics, and mechanisms. Journal of the American Chemical Society, 1988, 110, 518-524.	6.6	50
169	Non-linear effects in the quenching of fluorescent semiconductor nanoparticles by paramagnetic species. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1337-1343.	0.8	50
170	Photocatalytic Indole Dielsâ€“Alder Cycloadditions Mediated by Heterogeneous Platinum-Modified Titanium Dioxide. ACS Catalysis, 2017, 7, 6440-6444.	5.5	50
171	Light-Induced Sonogashira Câ€“C Coupling under Mild Conditions Using Supported Palladium Nanoparticles. ACS Sustainable Chemistry and Engineering, 2018, 6, 1717-1722.	3.2	50
172	Direct detection of the biradicals generated in the Norrish type II reaction. Chemical Physics Letters, 1977, 50, 431-434.	1.2	49
173	A kinetic study of the reactions of tert-butoxyl with alkenes: hydrogen abstraction vs. addition. Journal of the American Chemical Society, 1982, 104, 5106-5108.	6.6	49
174	PHOTOTOXIC AND PHOTOCHEMICAL PROPERTIES OF SANGUINARINE. Photochemistry and Photobiology, 1992, 55, 35-38.	1.3	49
175	The Persistent Radical Effect: From Mechanistic Curiosity to Synthetic Tool. Helvetica Chimica Acta, 2006, 89, 2473-2482.	1.0	49
176	Direct observation and chemistry of biradicals from photochemical decarbonylation of .alpha.-perphenylated cycloalkanones. Journal of the American Chemical Society, 1985, 107, 3607-3611.	6.6	48
177	Effect of ring substitution on the photochemistry of .alpha.-(aryloxy)acetophenones. Journal of Organic Chemistry, 1990, 55, 89-92.	1.7	48
178	Differentiation of excited-state and biradical processes. Photochemistry of phenyl alkyl ketones in the presence of oxygen. Journal of the American Chemical Society, 1978, 100, 4512-4519.	6.6	47
179	Synthesis of copper nanoparticles mediated by photogenerated free radicals: catalytic role of chloride anions. Photochemical and Photobiological Sciences, 2010, 9, 766.	1.6	47
180	Photocatalytic Dehalogenation of Vicinal Dibromo Compounds Utilizing Sexithiophene and Visible-Light Irradiation. ACS Catalysis, 2014, 4, 4034-4039.	5.5	47

#	Article	IF	Citations
181	Laser photolysis study of the reactions of alkoxyl radicals generated in the photosensitized decomposition of organic hyponitrites. Journal of the American Chemical Society, 1982, 104, 5109-5114.	6.6	46
182	Absolute rate constants for the addition of triethylsilyl radicals to the carbonyl group. Journal of the American Chemical Society, 1982, 104, 5119-5123.	6.6	46
183	Sensitized photoreduction of bis(acetylacetonato)nickel(II) by triplet-state aromatic ketones. Journal of the American Chemical Society, 1986, 108, 7620-7627.	6.6	46
184	Photodegradation of the lignin model Î±-guaiacoxyacetoveratrone, unusual effects of solvent, oxygen, and singlet state participation. Canadian Journal of Chemistry, 1991, 69, 104-107.	0.6	46
185	A comparative study of magnetic field effects on the dynamics of geminate and random radical pair processes in micelles. Journal of the American Chemical Society, 1993, 115, 5204-5211.	6.6	46
186	Reaction Pathways Involved in the Quenching of the Photoactivated Aromatic Ketones Xanthone and 1-Azaxanthone by Polyalkylbenzenes. Journal of the American Chemical Society, 2000, 122, 3635-3641.	6.6	46
187	Photodecarboxylation of Xanthone Acetic Acids:â€‰ Câ^'C Bond Heterolysis from the Singlet Excited State. Organic Letters, 2006, 8, 1057-1060.	2.4	46
188	Biocompatibility and photo-induced antibacterial activity of lignin-stabilized noble metal nanoparticles. RSC Advances, 2018, 8, 40454-40463.	1.7	46
189	Flash photolysis studies of carbenes and their impact on the skell-woodworth rules. Tetrahedron, 1985, 41, 1525-1530.	1.0	45
190	Photocyclization of o-tert-butylbenzophenone. Journal of the American Chemical Society, 1985, 107, 5483-5490.	6.6	45
191	On the photodecomposition mechanism of o-diazonaphthoquinones. Journal of the American Chemical Society, 1992, 114, 2630-2634.	6.6	45
192	Model Studies on the Photochemistry of Phenolic Sulfonate Photoacid Generators. Chemistry of Materials, 1998, 10, 1694-1699.	3.2	45
193	Intrazeolite Photochemistry. 26. Photophysical Properties of Nanosized TiO2Clusters Included in Zeolites Y, Î², and Mordenite. Chemistry of Materials, 2001, 13, 715-722.	3.2	45
194	Generation and Reactivity toward Oxygen of Carbon-Centered Radicals Containing Indane, Indene, and Fluorenyl Moieties. Journal of Organic Chemistry, 2003, 68, 3199-3204.	1.7	45
195	Hydrogen-Transfer Reactions from Phenols to TEMPO Prefluorescent Probes in Micellar Systems. Organic Letters, 2008, 10, 2147-2150.	2.4	45
196	A study of transient phenomena in the reactions of alkoxy radicals with triphenylphosphine and triphenylborane. Journal of the American Chemical Society, 1979, 101, 3780-3785.	6.6	44
197	Intrazeolite photochemistry. IV. Studies of carbonyl photochemistry on the hydrophobic zeolite Silicalite using time-resolved diffuse reflectance techniques. Canadian Journal of Chemistry, 1986, 64, 539-544.	0.6	44
198	One- vs Two-Photon Processes in the Photochemistry of 1,n-Dihaloalkanes. Accounts of Chemical Research, 2001, 34, 717-726.	7.6	44

#	Article	IF	Citations
199	INFLUENCE OF COMBINED ACâ€ÐC MAGNETIC FIELDS ON FREE RADICALS IN ORGANIZED and BIOLOGICAL SYSTEMS. DEVELOPMENT OF A MODEL and APPLICATION OF THE RADICAL PAIR MECHANISM TO RADICALS IN MICELLES. Photochemistry and Photobiology, 1995, 62, 818-829.	1.3	44
200	Electron transfer processes in the photochemistry of .beta.-(dimethylamino)propiophenone. Journal of the American Chemical Society, 1979, 101, 2146-2152.	6.6	43
201	Detection of trialkylstannyl radicals using laser flash photolysis. Journal of the American Chemical Society, 1980, 102, 5399-5400.	6.6	43
202	Determination of the lifetime of the second excited triplet state of anthracenes. The Journal of Physical Chemistry, 1991, 95, 10300-10306.	2.9	43
203	Selective binding and local photophysics of the fluorescent cyanine dye PicoGreen in double-stranded and single-stranded DNA. Physical Chemistry Chemical Physics, 2003, 5, 4911.	1.3	43
204	Photobehavior of merocyanine 540 bound to human serum albumin. Photochemical and Photobiological Sciences, 2010, 9, 861-869.	1.6	43
205	Plasmon-Mediated Photopolymerization Maps Plasmon Fields for Silver Nanoparticles. Journal of the American Chemical Society, 2011, 133, 9160-9163.	6.6	43
206	Real-time fluorescence imaging of a heterogeneously catalysed Suzukiâ€“Miyaura reaction. Nature Catalysis, 2020, 3, 427-437.	16.1	43
207	Absolute rates of hydrogen abstraction by tert-butoxy radicals. Journal of the American Chemical Society, 1978, 100, 296-298.	6.6	42
208	Flash photolysis studies of carbenes and their reaction kinetics. Accounts of Chemical Research, 1984, 17, 283-289.	7.6	42
209	Photosubstitution of 1-methoxy-4-nitronaphthalene with amine nucleophiles: dual pathways. Journal of Organic Chemistry, 1987, 52, 4214-4223.	1.7	42
210	Zeolite Encapsulation Decreases TiO2-photosensitized ROS Generation in Cultured Human Skin Fibroblastsâ€. Photochemistry and Photobiology, 2006, 82, 5.	1.3	42
211	Photooxidation of 9-Anthraldehyde Catalyzed by Gold Nanoparticles: Solution and Single Nanoparticle Studies Using Fluorescence Lifetime Imaging. Journal of Physical Chemistry C, 2012, 116, 24373-24379.	1.5	42
212	Mild synthesis of mesoporous silica supported ruthenium nanoparticles as heterogeneous catalysts in oxidative Wittig coupling reactions. Catalysis Science and Technology, 2014, 4, 435-440.	2.1	42
213	Synthesis, acid properties and catalysis by niobium oxide nanostructured materials. Catalysis Science and Technology, 2014, 4, 3044-3052.	2.1	42
214	Temperature dependence of the photochemistry of o-methylacetophenone. A laser flash photolysis study. Chemical Physics Letters, 1980, 73, 319-322.	1.2	41
215	Dynamic aspects of the behavior of aromatic ketone triplets in anionic micelles. A laser flash photolysis study. Canadian Journal of Chemistry, 1981, 59, 2368-2372.	0.6	41
216	Diazonium salts in photochemistry III: Attempts to characterize aryl cations. Journal of Photochemistry and Photobiology, 1983, 23, 269-276.	0.6	41

#	Article	IF	Citations
217	Thiophenes as mosquito larvicides: Structure-toxicity relationship analysis. Pesticide Biochemistry and Physiology, 1991, 41, 89-100.	1.6	41
218	Intrazeolite photochemistry VII: Laser photolysis of stilbene and some aromatic hydrocarbons in the cavities of NaX zeolite studied by time-resolved diffuse reflectance. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 67, 91-100.	2.0	41
219	The laser-drop method: a new approach to induce multiple photon chemistry with pulsed lasers. Examples involving reactions of diphenylmethyl and cumyloxyl radicals. Journal of the American Chemical Society, 1993, 115, 6409-6413.	6.6	41
220	Laser flash photolysis of dinapthyl ketones. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 107, 153-158.	2.0	41
221	Laser Flash Photolysis Study of Jacobsen Catalyst and Related Manganese(III) Salen Complexes. Relevance to Catalysis. Journal of the American Chemical Society, 2001, 123, 7074-7080.	6.6	41
222	Naturally Occurring and Synthetic Thiophenes as Photoactivated Insecticides. ACS Symposium Series, 1989, , 164-172.	0.5	40
223	Magnetic Field Effects on the Behavior of Radicals in Protein and DNA Environments. Photochemistry and Photobiology, 1998, 67, 111-118.	1.3	40
224	Tuning the photocatalytic activity of titanium dioxide by encapsulation inside zeolites exemplified by the cases of thianthrene photooxygenation and horseradish peroxidase photodeactivation. New Journal of Chemistry, 2002, 26, 1448-1455.	1.4	40
225	Reactivity toward Oxygen of Isobenzofuranyl Radicals:â€‰ Effect of Nitro Group Substitution. Organic Letters, 2003, 5, 1515-1518.	2.4	40
226	NIR excitation of upconversion nanohybrids containing a surface grafted Bodipy induces oxygen-mediated cancer cell death. Journal of Materials Chemistry B, 2014, 2, 4554-4563.	2.9	40
227	Triplet quenching by tert-butyl hydroperoxide. Journal of the American Chemical Society, 1983, 105, 3605-3609.	6.6	39
228	Photocyclizations of o-(benzyloxy)acetophenone and -benzophenone: effects of variable rotational freedom on biradical behavior. Journal of the American Chemical Society, 1984, 106, 7988-7989.	6.6	39
229	Degradation of propoxur in water using 2,4,6-triphenylpyryliumâ€“Zeolite Y as photocatalyst. Applied Catalysis B: Environmental, 2000, 25, 257-265.	10.8	39
230	The absolute kinetics of several reactions of substituted diphenylcarbenes. The Journal of Physical Chemistry, 1986, 90, 2488-2491.	2.9	38
231	Photochemistry of diphenylketyl radicals in polar solvents. Journal of the American Chemical Society, 1990, 112, 398-402.	6.6	38
232	Intrazeolite Photochemistry. 15. Influence of Aging, Inert Gases, and Water on the Mobility of Pyrene Molecules on the Faujasite NaY. The Journal of Physical Chemistry, 1996, 100, 18165-18172.	2.9	38
233	Photocatalytic Activity of a Multicomponent System Assembled within Zeolites:Â Case of 2,4,6-Triphenylpyrylium or Ruthenium Tris(bipyridyl) Photosensitizers and Titanium Dioxide Relays within Zeolite Y. Journal of Physical Chemistry B, 2002, 106, 2460-2467.	1.2	38
234	Solvent Effects on Hydrogen Abstraction Reactions from Lactones with Antioxidant Properties. Organic Letters, 2005, 7, 3665-3668.	2.4	38

#	Article	IF	Citations
235	Transient Enol Isomers of Dibenzoylmethane and Avobenzone as Efficient Hydrogen Donors toward a Nitroxide Pre-fluorescent Probeâ€. Photochemistry and Photobiology, 2007, 83, 481-485.	1.3	38
236	Tuning plasmon transitions and their applications in organic photochemistry. Pure and Applied Chemistry, 2011, 83, 913-930.	0.9	38
237	Active participation of amine-derived radicals in photoredox catalysis as exemplified by a reductive cyclization. Catalysis Science and Technology, 2013, 3, 935.	2.1	38
238	A Mechanistic Study of Halogen Addition and Photoelimination from Ï€-Conjugated Tellurophenes. Journal of the American Chemical Society, 2016, 138, 2678-2689.	6.6	38
239	Tunable Photocatalytic Activity of Palladium-Decorated TiO₂: Non-Hydrogen-Mediated Hydrogenation or Isomerization of Benzyl-Substituted Alkenes. ACS Catalysis, 2017, 7, 250-255.	5.5	38
240	Kinetic and spectroscopic study of a ketyl-phenoxy biradical produced by a remote hydrogen abstraction. Journal of Organic Chemistry, 1987, 52, 4540-4544.	1.7	37
241	Characterization of the Î±-terthienyl radical cation: evidence against electron transfer to oxygen in vitro. Journal of Photochemistry and Photobiology B: Biology, 1989, 3, 411-418.	1.7	37
242	Electron-transfer quenching of excited diphenylmethyl radicals. Journal of the American Chemical Society, 1992, 114, 9978-9982.	6.6	37
243	Laser Flash, Laser-Drop, and Preparative Photochemistry of 1,5-Diiodo-1,5-diphenylpentane. Detection of a Hypervalent Iodine Radical Intermediate. Journal of the American Chemical Society, 1995, 117, 5049-5054.	6.6	37
244	Singlet oxygen photosensitizing properties of bithiophene and terthiophene derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 1996, 93, 39-47.	2.0	37
245	Enzyme inactivation by TiO2 photosensitization. Journal of Photochemistry and Photobiology B: Biology, 2000, 57, 193-196.	1.7	37
246	Free Radical Reactions in Poly(methyl methacrylate) Films Monitored Using a Prefluorescent Quinolineâ^'TEMPO Sensor. Macromolecules, 2003, 36, 3550-3556.	2.2	37
247	Reduction of resazurin to resorufin catalyzed by gold nanoparticles: dramatic reaction acceleration by laser or LED plasmon excitation. Catalysis Science and Technology, 2011, 1, 1506.	2.1	37
248	Role of biradical intermediates in the photochemistry of o-methylacetophenone. Journal of the American Chemical Society, 1977, 99, 7713-7714.	6.6	36
249	Solvent effects on the lifetimes of photogenerated biradicals. Chemical Physics Letters, 1978, 59, 246-248.	1.2	36
250	A laser spectroscopy investigation of excited-state processes in Î±-sulphonyl ketones. Chemical Physics Letters, 1989, 160, 335-341.	1.2	36
251	The Neophyl-like Rearrangement of Alkoxyl Radicals Revisited: Laser Flash and Laser Drop Photolysis Studies of 1,1-Diphenylethoxyl Radicals. The Journal of Physical Chemistry, 1995, 99, 3527-3531.	2.9	36
252	Laser Flash Photolysis of Carbamates Derived from 9-Fluorenone Oxime. Journal of the American Chemical Society, 1995, 117, 3848-3855.	6.6	36

#	Article	IF	Citations
253	Laser Techniques in the Study of Drug PhotochemistryÂ¶. Photochemistry and Photobiology, 2004, 80, 159.	1.3	36
254	Photolabile Protecting Groups Based on the Singlet State Photodecarboxylation of Xanthone Acetic Acid. Journal of the American Chemical Society, 2009, 131, 4127-4135.	6.6	36
255	Opportunistic use of tetrachloroaurate photolysis in the generation of reductive species for the production of gold nanostructures. Physical Chemistry Chemical Physics, 2011, 13, 11914.	1.3	36
256	Hydrogen abstraction by biradicals. Reactions with tri-n-butylstannane and octanethiol. Journal of the American Chemical Society, 1980, 102, 1357-1360.	6.6	35
257	Role of Î²-phenyl rings in the deactivation of aromatic ketone triplets. Journal of Photochemistry and Photobiology, 1983, 21, 137-147.	0.6	35
258	Intrazeolite photochemistry. II. Evidence for site inhomogeneity from studies of aromatic ketone phosphorescence. Canadian Journal of Chemistry, 1985, 63, 1308-1314.	0.6	35
259	Intrazeolite photochemistry. 5. Use of zeolites in the control of photostationary ratios in sensitized cis-trans isomerizations. Journal of Organic Chemistry, 1989, 54, 259-261.	1.7	35
260	Transient phenomena in the laser flash photolysis of Rose Bengal C-2' ethyl ester C-6 sodium salt. Journal of Organic Chemistry, 1989, 54, 5242-5246.	1.7	35
261	First measurements of absolute rate constants for oxacarbene intermediates produced in the photochemistry of benzocyclobutenedione. Journal of the American Chemical Society, 1990, 112, 8858-8863.	6.6	35
262	Photophysical and photochemical studies of phenothiazine and some derivatives: exploratory studies of novel photosensitizers for photoresist technology. Chemistry of Materials, 1991, 3, 610-616.	3.2	35
263	Multistage Exit of Excited Xanthone from Micelles. Journal of Physical Chemistry B, 1998, 102, 7557-7562.	1.2	35
264	Nucleophilicity toward Ketenes:Â Rate Constants for Addition of Amines to Aryl Ketenes in Acetonitrile Solution. Journal of Organic Chemistry, 2001, 66, 5016-5021.	1.7	35
265	Heterogeneous Lightâ€Mediated Reductive Dehalogenations and Cyclizations Utilizing Platinum Nanoparticles on Titania (PtNP@TiO₂). Advanced Synthesis and Catalysis, 2014, 356, 2819-2824.	2.1	35
266	Electrostatic and magnetic field effects on the behavior of radical pairs derived from ionic benzophenones. The Journal of Physical Chemistry, 1984, 88, 3379-3382.	2.9	34
267	Photochemistry of ketones in solution. Part 79. Mechanistic alternatives in photocycloaddition of cyclohexenones to alkenes. Journal of the American Chemical Society, 1987, 109, 2533-2534.	6.6	34
268	Kinetic study of dimesitylsilylene by laser flash photolysis. Organometallics, 1990, 9, 1332-1334.	1.1	34
269	Tuning the Singletâ^'Triplet Energy Gap in a Non-KekulÃ© Series by Designed Structural Variation. The Singlet States of N-Substituted-3,4-dimethylenepyrrole Biradicals. Journal of the American Chemical Society, 1997, 119, 1406-1415.	6.6	34
270	Ionic vs Free Radical Pathways in the Direct and Sensitized Photochemistry of 2-(4â€˜-Methoxynaphthyl)-4,6-bis(trichloromethyl)-1,3,5-triazine:Â Relevance for Photoacid Generation. Journal of the American Chemical Society, 1999, 121, 6167-6175.	6.6	34

#	Article	IF	Citations
271	Inversion of 4-methoxybenzophenone triplet in aqueous solutions. Photochemical and Photobiological Sciences, 2002, 1, 704-708.	1.6	34
272	Dye synthesis in the Pechmann reaction: catalytic behaviour of samarium oxide nanoparticles studied using single molecule fluorescence microscopy. Chemical Science, 2016, 7, 1314-1321.	3.7	34
273	Heterogeneous Titania-Photoredox/Nickel Dual Catalysis: Decarboxylative Cross-Coupling of Carboxylic Acids with Aryl Iodides. ACS Catalysis, 2017, 7, 2171-2175.	5.5	34
274	2,3,5,6-Tetrakis(methylene)-1,4-cyclohexanediyl (1,2,4,5-tetramethylenebenzene), a disjoint non-Kekule singlet hydrocarbon biradical. Journal of the American Chemical Society, 1993, 115, 8073-8090.	6.6	33
275	Redox reactions of 3,5-di-tert-butyl-1,2-benzoquinone. Implications for reversal of paper yellowing. Canadian Journal of Chemistry, 1995, 73, 1803-1810.	0.6	33
276	Aromatic Monoazines as Fluorescent Sensors for Photoacid Generation in Thin Polymer Films. Chemistry of Materials, 1996, 8, 2654-2658.	3.2	33
277	The Contrasting Kinetics of Peroxidation of Vitamin E-Containing Phospholipid Unilamellar Vesicles and Human Low-Density Lipoprotein1. Journal of the American Chemical Society, 2002, 124, 6957-6965.	6.6	33
278	Expanding the Color Space in the Two-Color Heterogeneous Photocatalysis of Ullmann Câ€“C Coupling Reactions. ACS Catalysis, 2018, 8, 7593-7597.	5.5	33
279	Photoexcitation of benzophenone triplets: a two-photon pathway for ground state repopulation. Chemical Physics Letters, 1987, 138, 13-17.	1.2	32
280	Excited-state properties of arylmethyl radicals containing naphthyl, phenanthryl, and biphenyl moieties. The Journal of Physical Chemistry, 1988, 92, 1742-1746.	2.9	32
281	Laser flash photolysis studies of carbocations generated from (naphthylmethyl)phosphonium chlorides. Journal of the American Chemical Society, 1990, 112, 1270-1271.	6.6	32
282	Photochemistry of aliphatic ketones in polar solvents. The Journal of Physical Chemistry, 1980, 84, 948-951.	2.9	31
283	New functionalized water-soluble benzophenones: a laser flash photolysis study. Canadian Journal of Chemistry, 1985, 63, 3001-3006.	0.6	31
284	One- and two-photon processes in the photochemistry of 1.3-bis(1-naphthyl)-2-propanone: an example of a "reluctant" Norrish type I reaction. Journal of the American Chemical Society, 1987, 109, 5487-5491.	6.6	31
285	STUDY OF XANTHONE-CYCLODEXTRIN INCLUSION COMPLEXES IN THE SOLID STATE USING TIME-RESOLVED DIFFUSE REFLECTANCE-LASER FLASH PHOTOLYSIS. Photochemistry and Photobiology, 1991, 54, 1-5.	1.3	31
286	Carbocation formation via carbene protonation studied by the technique of stopped-flow laser-flash photolysis. Journal of the American Chemical Society, 1993, 115, 2200-2205.	6.6	31
287	Determination of the distance for triplet energy transfer in the faujasite NaY. Chemical Physics Letters, 1995, 233, 5-8.	1.2	31
288	Intrazeolite Photochemistry. 16. Fluorescence of Methylviologen Adsorbed within Medium- and Large-Pore Zeolites. The Journal of Physical Chemistry, 1996, 100, 18173-18176.	2.9	31

#	Article	IF	Citations
289	An Improved Mimetic Compound for Styrene â€œLivingâ€•Free Radical Polymerization. An Initiator Containing the â€œPenultimateâ€•Unit. Macromolecules, 2000, 33, 3536-3542.	2.2	31
290	DNA Damage Detection Technique Applying Time-Resolved Fluorescence Measurements. Analytical Chemistry, 2002, 74, 6163-6169.	3.2	31
291	Photochemistry of Î±-phenoxyacetophenone: an interesting case of intramolecular triplet deactivation. Journal of Photochemistry and Photobiology, 1986, 32, 253-259.	0.6	30
292	Magnetic field effects on the decay of ketyl-aryloxy radical pairs in micellar solution. The Journal of Physical Chemistry, 1988, 92, 1257-1262.	2.9	30
293	Observation and modeling of the recombination kinetics of diphenylmethyl radicals in the cavities of Na-X zeolite. The Journal of Physical Chemistry, 1991, 95, 10018-10024.	2.9	30
294	Mapping Acid-Catalyzed Deprotection in Thin Polymer Films: Fluorescence Imaging Using Prefluorescent 7-Hydroxycoumarin Probes. Macromolecular Rapid Communications, 2004, 25, 1628-1631.	2.0	30
295	Heterogeneous photocatalytic Câ€“C coupling: mechanism of plasmon-mediated reductive dimerization of benzyl bromides by supported gold nanoparticles. Catalysis Science and Technology, 2015, 5, 4336-4340.	2.1	30
296	Glass wool: a novel support for heterogeneous catalysis. Chemical Science, 2018, 9, 6844-6852.	3.7	30
297	Kinetic applications of electron paramagnetic resonance spectroscopy. 29. Free radical chemistry of aliphatic selenium compounds. Journal of the American Chemical Society, 1977, 99, 2079-2084.	6.6	29
298	Absolute rate constants for some reactions involving triethylsilyl radicals in solution. Journal of the American Chemical Society, 1981, 103, 3231-3232.	6.6	29
299	Laser flash photolysis studied of 1-naphthyldiazomethane. Formation of nitrile ylides. Chemical Physics Letters, 1983, 97, 446-449.	1.2	29
300	Photochemistry of acetone in surfactant solutions. Journal of the American Chemical Society, 1983, 105, 5652-5657.	6.6	29
301	Importance of entropy terms in triplet energy transfer equilibria. Journal of the American Chemical Society, 1985, 107, 7206-7207.	6.6	29
302	Transient spectroscopy and kinetics of poly(1-(4-substituted-phenyl)-2-propen-1-ones). Macromolecules, 1986, 19, 1637-1643.	2.2	29
303	The mechanism of photocure of inherently photosensitive polyimides containing a benzophenone group. Polymer Engineering and Science, 1989, 29, 942-944.	1.5	29
304	Exploratory studies of the photochemistry of N-hydroxypyridine-2-thione esters. Generation of excited radicals by laser flash photolysis and in a conventional fluorescence spectrometer. Journal of Organic Chemistry, 1990, 55, 5414-5418.	1.7	29
305	Photochemistry of phenothiazine sensitizers in poly(methyl methacrylate) films. Macromolecules, 1991, 24, 4972-4977.	2.2	29
306	Intrazeolite photochemistry. 8. Influence of the zeolite physicochemical parameters on the laser flash photolysis of 1,1-diphenyl-2-propanone included in acid faujasites. Journal of the American Chemical Society, 1993, 115, 11134-11140.	6.6	29

#	Article	IF	Citations
307	Intrazeolite Photochemistry. 14. Photochemistry of Î±,Ï‰-Diphenyl Allyl Cations within Zeolites. The Journal of Physical Chemistry, 1996, 100, 18158-18164.	2.9	29
308	Intrazeolite Photochemistry. 12. Ship-in-a-Bottle Synthesis and Control of the Photophysical Properties of 9-(4-Methoxyphenyl)xanthenium Ion Imprisoned into Large-Pore Zeolites. The Journal of Physical Chemistry, 1996, 100, 18145-18151.	2.9	29
309	The Excited States of Melatonin. Photochemistry and Photobiology, 1997, 65, 538-542.	1.3	29
310	Fluorescence quenching of CdSequantum dots by tertiary amines and their surface binding effect. Photochemical and Photobiological Sciences, 2009, 8, 70-74.	1.6	29
311	Lumiestrone is Photochemically Derived from Estrone and may be Released to the Environment without Detection. Frontiers in Endocrinology, 2011, 2, 83.	1.5	29
312	Photochemistry of o-phthalaldehyde. Journal of the Chemical Society Perkin Transactions II, 1980, , 724.	0.9	28
313	Chemical, Kinetic, and Spectroscopic Evidence for the Reaction of 1-Naphthylcarbene with Acetonitrile to form a Nitrile Ylid.. Tetrahedron Letters, 1983, 24, 3955-3958.	0.7	28
314	Photochemistry of alkyl esters of benzoylformic acid. Canadian Journal of Chemistry, 1984, 62, 386-391.	0.6	28
315	The reaction of diphenylcarbene with nitroxides. Journal of Organic Chemistry, 1984, 49, 5214-5217.	1.7	28
316	Photochemistry of the carbonyl ylide produced by reaction of fluorenylidene with acetone. A comparison of carbonyl and nitrile ylides. Journal of the American Chemical Society, 1985, 107, 7204-7206.	6.6	28
317	Quenching of pyrene fluorescence by cupric ions in micellar solution: Effect of quenching on the polarity reported by the probe. Chemical Physics Letters, 1988, 148, 517-522.	1.2	28
318	Time resolved studies on the photogeneration and photochemistry of tetramethyl-o-xylylene. Journal of the American Chemical Society, 1990, 112, 2363-2367.	6.6	28
319	Intrazeolite Photochemistry. 9. Laser Flash Photolysis of Xanthenium Ion Generated by Adsorption of 9-Xanthenol within Acid Zeolites. Langmuir, 1994, 10, 2246-2249.	1.6	28
320	Intrazeolite Photochemistry. 11. Modification of the Properties of the Energy-Transfer Photosensitizer 4-Aminobenzophenone by Immobilization within Different Zeolite Microenvironments. Chemistry of Materials, 1996, 8, 152-160.	3.2	28
321	Intrazeolite Photochemistry. 19. Effect of the â€œSpectatorâ€•Pyridine on the Behavior of Carbonyl Triplet States in the Zeolite NaY. Journal of Physical Chemistry B, 1997, 101, 8564-8568.	1.2	28
322	Reactivity of fluorenylideneketene towards amines. A laser photolysis study with ultraviolet and infrared detection. Tetrahedron Letters, 1997, 38, 5147-5150.	0.7	28
323	Intrazeolite photochemistry. 18. Detection of radical cations of amine dimers upon amine photosensitization with acetophenone in the zeolite NaY. Tetrahedron Letters, 1997, 38, 5929-5932.	0.7	28
324	Direct determination of single-to-double stranded DNA ratio in solution applying time-resolved fluorescence measurements of dyeâ€“DNA complexes. Chemical Communications, 2000, , 689-690.	2.2	28

#	Article	IF	Citations
325	A Protocol for the Verification of Acid Generation in 157 nm Lithography. Macromolecules, 2003, 36, 6692-6694.	2.2	28
326	Reducing Adverse Effects from UV Sunscreens by Zeolite Encapsulation: Comparison of Oxybenzone in Solution and in Zeolites. Photochemistry and Photobiology, 2010, 86, 153-161.	1.3	28
327	Insights into the Mechanism of Cumene Peroxidation Using Supported Gold and Silver Nanoparticles. ACS Catalysis, 2013, 3, 2062-2071.	5.5	28
328	The kinetics of photochemical reactions. Part I. Application of a modified bond-energyâ€“bond-order method to the atom abstraction reactions of excited carbonyl compounds. Journal of the Chemical Society Perkin Transactions II, 1972, , 1667-1672.	0.9	27
329	Laser photolysis study of the exciplex between triplet benzil and triethylamine. Journal of the American Chemical Society, 1979, 101, 7740-7741.	6.6	27
330	Photochemistry of Polymers and Copolymers of Phenyl Vinyl Ketone and o-Tolyl Vinyl Ketone. Macromolecules, 1980, 13, 815-820.	2.2	27
331	Sterically hindered triplet energy transfer. Journal of the American Chemical Society, 1985, 107, 5806-5807.	6.6	27
332	Photochemistry of reaction intermediates. Pure and Applied Chemistry, 1986, 58, 1273-1278.	0.9	27
333	Photochemistry of 4,4-dimethyl-1-mesityl-2-pentyn-1-one. Journal of the American Chemical Society, 1987, 109, 3050-3057.	6.6	27
334	Absolute rates of dimerization and cycloaddition of 3,4-dimethylenefuran and 3,4-dimethylenethiophene by nanosecond time-resolved spectroscopy. Journal of the American Chemical Society, 1988, 110, 4050-4051.	6.6	27
335	A New Approach for the Detection of Carbon-centered Radicals in Enzymatic Processes Using Prefluorescent ProbesÂ¶. Photochemistry and Photobiology, 2003, 78, 416.	1.3	27
336	A Remarkably Long-Lived Benzyl Carbanion. Organic Letters, 2004, 6, 873-875.	2.4	27
337	Effect of beta-cyclodextrin complexation on the photochemical and photosensitizing properties of tolmetin: a steady-state and time-resolved study. Photochemistry and Photobiology, 1999, 70, 549-56.	1.3	27
338	Photoreactivities of o-alkoxy- and o-tert-butylphenyl ketones: a dramatic example of conformational inversion of selectivity. Journal of the American Chemical Society, 1985, 107, 1087-1088.	6.6	26
339	Polymerization photoinitiated by pyrene in the presence of triethylamine: interaction between monomers and pyrene-derived reaction intermediates. Macromolecules, 1991, 24, 2111-2112.	2.2	26
340	Clean Photochemical Synthesis Mediated by Radicalâˆ’Radical Reactions:â€‰ Radical Buffer or the Persistent Free Radical Effect?. Organic Letters, 2005, 7, 4979-4982.	2.4	26
341	Glass wool supported ruthenium complexes: versatile, recyclable heterogeneous photoredox catalysts. Catalysis Science and Technology, 2020, 10, 1273-1280.	2.1	26
342	The kinetics of photochemical reactions. Part II. Calculation of kinetic parameters for the intermolecular hydrogen abstraction reactions of the triplet state of carbonyl compounds. Journal of the Chemical Society Perkin Transactions II, 1972, , 1672.	0.9	25

#	Article	IF	Citations
343	Static and dynamic phenomena in the quenching of phenanthrene triplets by conjugated dienes in anionic micelles. Canadian Journal of Chemistry, 1981, 59, 663-668.	0.6	25
344	PHOTOCHEMISTRY OF THE PHOTOTOXIC POLYACETYLENE PHENYLHEPTATRIYNE*. Photochemistry and Photobiology, 1985, 42, 223-230.	1.3	25
345	Photochemistry of the biradicals derived from the photodecomposition of 2,2,6,6-tetraphenylcyclohexanone. Journal of the American Chemical Society, 1986, 108, 2349-2353.	6.6	25
346	Photochromic processes in spiro(1,3,3-trimethylindolo-2,2â€²-naphth[1,2-b]-1,4-oxazine) studied using two-laser two-colour techniques. Journal of the Chemical Society Chemical Communications, 1990, .	2.0	25
347	Reaction kinetics, quantum yields, and product studies for the dimerization of a stabilized silene. Organometallics, 1992, 11, 2317-2319.	1.1	25
348	Laser-Induced Photoionization of Aromatic Ketones in Anionic Micellar Solutions. The Journal of Physical Chemistry, 1994, 98, 7854-7857.	2.9	25
349	PHOTOINDUCED TRANSIENT PHENOMENA IN CYCLODEXTRIN SOLID COMPLEXES: PHOTOCHEMISTRY OF AROMATIC KETONES. Photochemistry and Photobiology, 1995, 62, 60-64.	1.3	25
350	Magnetic field effects on the dynamics of nitroxide-based singlet radical pairs in micelles. The Journal of Physical Chemistry, 1995, 99, 14123-14128.	2.9	25
351	Hydrogen vs. electron transfer mechanisms in the chain decomposition of phenacyl bromides. Use of isotopic labeling as a mechanistic probe. Canadian Journal of Chemistry, 1996, 74, 1724-1730.	0.6	25
352	Mechanism of Reaction and Photoacid Generation ofN-Oxysuccinimidoarylsulfonate PAGs:Â A Laser Flash Photolytic Study. Chemistry of Materials, 2001, 13, 2297-2304.	3.2	25
353	Mechanism of action of sensors for reactive oxygen species based on fluoresceinâ€“phenol coupling: the case of 2-[6-(4â€²-hydroxy)phenoxy-3H-xanthen-3-on-9-yl]benzoic acid. Organic and Biomolecular Chemistry, 2006, 4, 802.	1.5	25
354	Synthesis and characterization of a new fluorescent probe for reactive oxygen species. Organic and Biomolecular Chemistry, 2007, 5, 1454.	1.5	25
355	Direct Time-Resolved Detection of Singlet Oxygen in Zeolite-Based Photocatalysts. Langmuir, 2008, 24, 4478-4481.	1.6	25
356	Sensitivity versus Stability: Making Quantum Dots More Luminescent by Sulfur Photocuring without Compromising Sensor Response. Chemistry of Materials, 2008, 20, 6638-6642.	3.2	25
357	Hybrid Nanomaterials: Anchoring Magnetic Molecules on Naked Gold Nanocrystals. Inorganic Chemistry, 2013, 52, 14411-14418.	1.9	25
358	Interaction of oxygen with transient biradicals photogenerated from Î³-methyl valerophenone. Chemical Physics Letters, 1977, 48, 354-357.	1.2	24
359	Temperature dependence of the quenching of aromatic hydrocarbon triplets by tetramethylpiperidine-N-oxide. Chemical Physics Letters, 1981, 79, 441-443.	1.2	24
360	Photodecomposition of alkanones in urea inclusion compounds. Journal of the American Chemical Society, 1983, 105, 5155-5156.	6.6	24

#	Article	IF	Citations
361	A laser flash photolysis study of the mechanism of the photocyclization of .alpha.-chloro-ortho-methylacetophenones. Journal of the American Chemical Society, 1991, 113, 5800-5803.	6.6	24
362	Evidence for through-framework electron transfer in intrazeolite photochemistry. Case of Ru(bpy)32+ and methylviologen in novel delaminated ITQ-2 zeolite. Chemical Communications, 2002, , 334-335.	2.2	24
363	Dynamics of the Dissociation of a Disulfide Biradical on a CdSe Nanoparticle Surface. Journal of the American Chemical Society, 2007, 129, 14150-14151.	6.6	24
364	Nucleohomolytic Substitution at Boron: A Computational Approach. European Journal of Organic Chemistry, 2008, 2008, 4454-4459.	1.2	24
365	Band gap effect on the photocatalytic activity of supramolecular structures obtained by entrapping photosensitizers in different inorganic supports. Physical Chemistry Chemical Physics, 2009, 11, 5569.	1.3	24
366	Ultraclean Derivatized Monodisperse Gold Nanoparticles through Laser Drop Ablation Customization of Polymorph Gold Nanostructures. Langmuir, 2012, 28, 8183-8189.	1.6	24
367	Photochemical synthesis and characterization of novel samarium oxide nanoparticles: toward a heterogeneous BrÃ¸nsted acid catalyst. RSC Advances, 2015, 5, 3728-3732.	1.7	24
368	Triplet Energy Migration in Polymer Photochemistry. A Model for the Photodegradation of Poly(phenyl vinyl ketone) in Solution. Macromolecules, 1979, 12, 1167-1176.	2.2	23
369	Photochemical transformations and laser flash photolysis studies of dibenzobarrelenes containing 1,2-dibenzoylalkene moieties. Journal of Organic Chemistry, 1984, 49, 4923-4929.	1.7	23
370	Study of energy transfer from upper triplet states in solution using two-laser two-photon excitation. Journal of the American Chemical Society, 1988, 110, 2299-2301.	6.6	23
371	Photoenol biradicals as singlet oxygen sensitizers. The Journal of Physical Chemistry, 1989, 93, 5347-5349.	2.9	23
372	Laser flash photolysis studies of the formation and reactivities of phenyl(naphthyl)methyl carbocations generated from phosphonium salt precursors. Canadian Journal of Chemistry, 1992, 70, 1784-1794.	0.6	23
373	A 60-Hz magnetic field increases the incidence of squamous cell carcinomas in mice previously exposed to chemical carcinogens. Cancer Letters, 1995, 92, 121-125.	3.2	23
374	Time-Resolved Diffuse Reflectance Studies of Î²-Phenyl Ketones in the Solid State:Â Conformational and Chiral Control of Triplet Lifetimes. Journal of Organic Chemistry, 1996, 61, 1423-1428.	1.7	23
375	Photochemistry and Photophysics of 1-Azaxanthone in Organic Solvents. Journal of Physical Chemistry A, 1998, 102, 6898-6903.	1.1	23
376	Effect of pâ€€Cyclodextrin Complexation on the Photochemical and Photosensitizing Properties of Tolmetin: A Steadyâ€€State and Timeâ€€Resolved Study. Photochemistry and Photobiology, 1999, 70, 549-556.	1.3	23
377	Photophysical Properties of Fluorescent DNA-dyes Bound to Single- and Double-stranded DNA in Aqueous Buffered SolutionÂ¶. Photochemistry and Photobiology, 2001, 73, 585-599.	1.3	23
378	Long-lived (minutes) photoinduced charge separation in a structured periodic mesoporous titania containing 2,4,6-triphenylpyrylium as guest. Dalton Transactions, 2008, , 5465.	1.6	23

#	Article	IF	Citations
379	Dry photochemical synthesis of hydrotalcite, Î³-Al2O3 and TiO2 supported gold nanoparticle catalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 224, 8-15.	2.0	23
380	Heterogeneous Dual Photoredox-Lewis Acid Catalysis Using a Single Bifunctional Nanomaterial. ACS Catalysis, 2018, 8, 2914-2922.	5.5	23
381	Isotope and temperature effects on the lifetime of excited diphenyl ketyl radicals. Chemical Physics Letters, 1986, 129, 205-210.	1.2	22
382	Substituent effects on the lifetime and fluorescence of excited diphenylmethyl radicals in solution. Chemical Physics Letters, 1986, 128, 156-159.	1.2	22
383	Study of the excited states of nafion incorporated xanthone and benzophenone. Tetrahedron, 1987, 43, 1617-1623.	1.0	22
384	A laser flash photolysis study of the behaviour of polyfluorophenyl ketones in solution. Canadian Journal of Chemistry, 1989, 67, 927-932.	0.6	22
385	Parallel reactivity sequences in cycloadditions of singlet biradicals and Diels-Alder reactions. A common physical basis manifested as entropy control or enthalpy control. Journal of the American Chemical Society, 1989, 111, 8732-8733.	6.6	22
386	Substituent effects on the photochemistry of diphenylketyl radicals: elucidation of the rate constants and quantum yields of relaxation processes from the excited radicals. Journal of the American Chemical Society, 1992, 114, 9768-9773.	6.6	22
387	Laser ablation of doped polymers: transient phenomena as the ablation threshold is approached. Macromolecules, 1992, 25, 1582-1587.	2.2	22
388	Excited triplet states as probes in organized systems. An overview of recent results. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 65, 249-265.	2.0	22
389	Pulse Radiolysis and Laser Flash Photolysis Studies of the Lignin Model .alpha.-(p-Methoxyphenoxy)-p-methoxyacetophenone and Related Compounds. Chemistry of Materials, 1994, 6, 836-843.	3.2	22
390	Singlet Oxygen Production from Excited Azoalkanes. Journal of the American Chemical Society, 1996, 118, 2742-2743.	6.6	22
391	Dramatic Effect of Magnetite Particles on the Dynamics of Photogenerated Free Radicals. Photochemistry and Photobiology, 1997, 65, 759-762.	1.3	22
392	The Photochemistry of 1-Azaxanthone in Aqueous Solutions and in Micellar Environments. Journal of Physical Chemistry A, 1999, 103, 203-208.	1.1	22
393	Phototoxicity of Naphazoline. Evidence That Hydrated Electrons, Nitrogen-Centered Radicals, and OH Radicals Trigger DNA Damage:â€‰ A Combined Photocleavage and Laser Flash Photolysis Study. Chemical Research in Toxicology, 1999, 12, 971-978.	1.7	22
394	Effect of Hexafluorobenzene on the Photophysics of Pyrene. Journal of Physical Chemistry A, 2007, 111, 4884-4889.	1.1	22
395	Reactivity of adrenaline toward alkoxyl radicals and carbonyl triplet states. Organic and Biomolecular Chemistry, 2008, 6, 4609.	1.5	22
396	Evidence for Hydroxyl Radical Generation During Lipid (Linoleate) Peroxidation. Journal of the American Chemical Society, 2008, 130, 9634-9635.	6.6	22

#	Article	IF	Citations
397	Highly Electrophilic Titania Hole as a Versatile and Efficient Photochemical Free Radical Source. Journal of the American Chemical Society, 2019, 141, 4531-4535.	6.6	22
398	Photoenolization in Polymers. A Simple Way to Reduce Photodegradation. Macromolecules, 1979, 12, 348-350.	2.2	21
399	Radical-like reactions of singlet fluorenylidene. Hydrogen and halogen abstraction. Journal of the American Chemical Society, 1981, 103, 5934-5935.	6.6	21
400	Laser flash photolysis of chlorine dioxide: formation and ultraviolet absorption spectrum of chlorine oxide (Cl2O3). The Journal of Physical Chemistry, 1989, 93, 4783-4785.	2.9	21
401	Example of diffusion-limited behavior in the reaction of a geminate radical pair in micelles. Journal of the American Chemical Society, 1991, 113, 1444-1445.	6.6	21
402	Absolute Rate Constants for Atomic Fluorine in Solution: Characterization of Reaction Intermediates in the Laser Flash Photolysis of Xenon Difluoride. Journal of the American Chemical Society, 1994, 116, 10076-10079.	6.6	21
403	Photogeneration of Hydrated Electrons, Nitrogenâ€Centered Radicals and Singlet Oxygen from Naphazoline: A Laser Flash Photolysis Study. Photochemistry and Photobiology, 1999, 70, 590-595.	1.3	21
404	Experimental and theoretical study of the interaction of single-stranded DNA homopolymers and a monomethine cyanine dye: nature of specific binding. Photochemical and Photobiological Sciences, 2005, 4, 798.	1.6	21
405	Nanosecond Laser Flash Photolysis: A Tool for Physical Organic Chemistry. , 2005, , 847-871.		21
406	Covalent Functionalization of Short, Single-Wall Carbon Nanotubes: Photophysics of 2,4,6-Triphenylpyrylium Attached to the Nanotube Walls. Chemistry of Materials, 2009, 21, 884-890.	3.2	21
407	Stereoselective Interaction of Epimeric Naproxen-RGD Peptides with Human Serum Albumin. Biomacromolecules, 2010, 11, 2255-2260.	2.6	21
408	Effect of Î³-radiation on green onion DNA integrity: Role of ascorbic acid and polyphenols against nucleic acid damage. Food Chemistry, 2011, 128, 735-741.	4.2	21
409	Carbon-13 hyperfine splittings in the electron paramagnetic resonance spectra of .beta.-substituted ethyl radicals. The Journal of Physical Chemistry, 1976, 80, 275-278.	2.9	20
410	Biradical double trapping by nitric oxide. An electron spin resonance study. The Journal of Physical Chemistry, 1978, 82, 1588-1591.	2.9	20
411	Effect of pH on the behavior of duroquinone triplets. Journal of the American Chemical Society, 1980, 102, 1608-1611.	6.6	20
412	Solution photochemistry of o-hydroxybenzophenone at low temperatures. Chemical Physics Letters, 1982, 92, 97-99.	1.2	20
413	Photodegradation of poly(phenyl vinyl ketones) containing .beta.-phenylpropiophenone moieties. Macromolecules, 1985, 18, 2148-2154.	2.2	20
414	Interaction of triplet sensitizers with chlorophyll: formation of singlet chlorophyll. Journal of the American Chemical Society, 1989, 111, 2409-2417.	6.6	20

#	Article	IF	Citations
415	Addition of oxygen- and sulfur-centered radicals to [1.1.1]propellane. Journal of Organic Chemistry, 1989, 54, 6133-6135.	1.7	20
416	Photochemical generation and preparative capture of 1,2,4,5-tetramethylenebenzene in fluid solution. Nanosecond time-resolved spectroscopic determination of absolute rates of dimerization and oxygen trapping of a disjoint singlet hydrocarbon biradical. Journal of the American Chemical Society, 1992, 114, 5866-5867.	6.6	20
417	Charge-Transfer-Induced Photoreduction of Azoalkanes by Amines. Journal of the American Chemical Society, 1997, 119, 6749-6756.	6.6	20
418	Bipyridinium Macroring Encapsulated within Zeolite Y Supercages. Preparation and Intrazeolitic Photochemistry of a Common Electron Acceptor Component of Rotaxanes and Catenanes. Journal of Physical Chemistry B, 2002, 106, 6815-6820.	1.2	20
419	Diffuse Reflectance Laser Flash Photolysis Study of Titanium-Containing Zeolites. Chemistry of Materials, 2004, 16, 982-987.	3.2	20
420	Doping of photonic crystal fibers with fluorescent probes: possible functional materials for optrode sensors. Journal of Materials Chemistry, 2006, 16, 1697-1701.	6.7	20
421	Polymeric Surfaces for Heavy Oil Pipelines To Inhibit Wax Deposition:â€‰ PP, EVA28, and HDPE. Energy & Fuels, 2006, 20, 620-624.	2.5	20
422	â€˜From the mole to the moleculeâ€™: ruthenium catalyzed nitroarene reduction studied with â€˜benchâ€™, high-throughput and single molecule fluorescence techniques. Catalysis Science and Technology, 2014, 4, 1989-1996.	2.1	20
423	Photochemistry of 1,5-diaryl-1,5-diketones. Journal of the American Chemical Society, 1980, 102, 727-734.	6.6	19
424	Quenching of triplet macromolecules by small molecules. The role of energy migration. Journal of the American Chemical Society, 1984, 106, 1539-1542.	6.6	19
425	The dipole moment of carbonyl oxides. Chemical Physics Letters, 1985, 117, 103-107.	1.2	19
426	Absolute rate constants for the reaction of triethylsilyl radicals with ring-substituted benzyl chlorides. Journal of Organic Chemistry, 1987, 52, 938-940.	1.7	19
427	Influence of micellar size on the decay of triplet-derived radical pairs in micelles. Journal of the American Chemical Society, 1992, 114, 140-146.	6.6	19
428	First molecular switch encapsulated within the cavities of a zeolite. A dramatic lifetime increase of the charge-separated state. Chemical Communications, 2001, , 2106-2107.	2.2	19
429	Absolute Rate Constants for Water Protonation of 1-(3-Benzoylphenyl)alkyl Carbanions. Organic Letters, 2002, 4, 3083-3085.	2.4	19
430	Homolytic organometallic reactions. Part V. Homolytic bimolecular substitution at boron by the triplet state of ketones. Journal of the Chemical Society B, Physical Organic, 1971, , 2171.	0.2	18
431	Homolytic organometallic reactions. Part XI. The reactions of t-butoxyl radicals and of ketone triplets with organotin compounds. Journal of the Chemical Society Perkin Transactions II, 1973, , 1777.	0.9	18
432	Importance of Intermolecular Biradical Reactions in Polymer Photochemistry. Poly(phenyl vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.2	18

#	Article	IF	Citations
433	Phosphorescence of lyophilized complexes between cyclodextrins and?-arylpropiophenones. Journal of Inclusion Phenomena, 1985, 3, 395-401.	0.6	18
434	Absorption, fluorescence, lifetime and reactivity of excited di(p-methylphenyl)methylene in solution. Chemical Physics Letters, 1985, 116, 109-113.	1.2	18
435	Reaction of diphenylcarbene with diphenyldiazomethane. Journal of Organic Chemistry, 1988, 53, 1550-1553.	1.7	18
436	Effect of methyl substitution on the intramolecular triplet deactivation of p-methoxy-Î²-phenylpropiophenone. Canadian Journal of Chemistry, 1991, 69, 2053-2058.	0.6	18
437	PHOTOCHEMISTRY OF 1,2,3â€INDANETRIONE*. Photochemistry and Photobiology, 1991, 54, 17-21.	1.3	18
438	Absolute rates of heterocyclic singlet biradical reactions determined by nanosecond time-resolved absorption spectroscopy. Dimerizations and cycloadditions to alkenes and to dioxygen. The Journal of Physical Chemistry, 1993, 97, 13355-13357.	2.9	18
439	Two-Laser, Two-Color Photochemistry from Upper Triplet States of 2-Bromonaphthalene and 9-Bromophenanthrene in Benzene. The Journal of Physical Chemistry, 1994, 98, 5431-5434.	2.9	18
440	Study of Photoinduced Energy and Electron Transfer in Î±â€Terthienylâ€Bovine Serum Albumin Conjugates: A Laser Flash Photolysis Study*. Photochemistry and Photobiology, 1996, 64, 92-99.	1.3	18
441	Laser Flash Photolysis of Tolmetin: A Photoadiabatic Decarboxylation with a Triplet Carbanion as the Key Intermediate in the Photodecomposition. Photochemistry and Photobiology, 1999, 69, 167-172.	1.3	18
442	Direct determination of single-to-double stranded DNA ratio in solution using steady-state fluorescence measurements. Organic and Biomolecular Chemistry, 2003, 1, 450-451.	1.5	18
443	Protecting the Protectors: Reducing the Biological Toxicity of UV Sunscreens by Zeolite Encapsulation. Photochemistry and Photobiology, 2006, 82, 1606-1611.	1.3	18
444	Comparative study of the quenching of core and core-shell CdSe quantum dots by binding and non-binding nitroxides. Photochemical and Photobiological Sciences, 2007, 6, 580-584.	1.6	18
445	Solvent-Independent Antioxidant Activity from Thermally Generated Carbon-Centered Radical Antioxidants. Organic Letters, 2009, 11, 3634-3637.	2.4	18
446	Accurate Oâ^'H Bond Dissociation Energy Differences of Hydroxylamines Determined by EPR Spectroscopy: Computational Insight into Stereoelectronic Effects on BDEs and EPR Spectral Parameters. Journal of Organic Chemistry, 2011, 76, 631-636.	1.7	18
447	Dual-Stage Lithography from a Light-Driven, Plasmon-Assisted Process: A Hierarchical Approach to Subwavelength Features. Langmuir, 2012, 28, 10957-10961.	1.6	18
448	Unexpected solvent isotope effect on the triplet lifetime of methylene blue associated to cucurbit[7]uril. Photochemical and Photobiological Sciences, 2012, 11, 269-273.	1.6	18
449	Impact of Dyeâ€Protein Interaction and Silver Nanoparticles on Rose Bengal Photophysical Behavior and Protein Photocrosslinking. Photochemistry and Photobiology, 2013, 89, 1433-1441.	1.3	18
450	Catalytic farming: reaction rotation extends catalyst performance. Chemical Science, 2019, 10, 1419-1425.	3.7	18

#	Article	IF	Citations
451	Trapping by di-tert-butyl selenoketone of the biradicals produced in the photochemistry of phenyl alkyl ketones. A kinetic study. Journal of the American Chemical Society, 1977, 99, 1494-1498.	6.6	17
452	Photochemistry and photooxidation of tetraphenyl-p-dioxin. The Journal of Physical Chemistry, 1979, 83, 2452-2455.	2.9	17
453	Effect of ring substituents on the fluorescence spectra of substituted diarylcarbenes. Canadian Journal of Chemistry, 1988, 66, 491-494.	0.6	17
454	Photochemistry of 1,2-dibromoethane in solution. A model for the generation of hydrogen bromide. Journal of the Chemical Society Chemical Communications, 1992, , 1418.	2.0	17
455	Determination of metal-hydride and metal-ligand (L = CO, N2) bond energies using photoacoustic calorimetry. Journal of the American Chemical Society, 1993, 115, 1921-1925.	6.6	17
456	Laser Flash, Laser-Drop, and Lamp Photolysis of 1,3-Dichloro-1,3-diphenylpropane. One-versusTwo-Photon Reaction Pathways. Journal of Organic Chemistry, 1997, 62, 5713-5719.	1.7	17
457	Intrazeolite Photochemistry. 24. Enantioselective Discrimination in the Quenching of Chiral Mn(II)salen Complexes Encapsulated inside Y Zeolite by Chiral 2-Butanols. Journal of the American Chemical Society, 1998, 120, 8521-8522.	6.6	17
458	Intrazeolite Photochemistry. Photochemistry of 1-Azaxanthone in Zeolites in the Presence of Hydrogen Donors, Electron Donors, and Energy Acceptors. Journal of Physical Chemistry B, 1999, 103, 8097-8103.	1.2	17
459	Exploratory approaches to the study of acid diffusion and acid loss from polymer films using absorption and fluorescence spectroscopy. , 1999, , .		17
460	First Determination of Absolute Rate Constants for the Reaction of Aroyl-Substituted Benzyl Carbanions in Water and DMSO. Journal of the American Chemical Society, 2002, 124, 15308-15312.	6.6	17
461	Fluorescence sensor applications as detectors for DNA damage, free radical formation, and in microlithography. Pure and Applied Chemistry, 2005, 77, 1009-1018.	0.9	17
462	7-Mercapto-4-methylcoumarin as a reporter of thiol binding to the CdSe quantum dot surface. Chemical Communications, 2009, , 3202.	2.2	17
463	Steady state and transient kinetics in crystalline solids: the photochemistry of nanocrystalline 1,1,3-triphenyl-3-hydroxy-2-indanone. Chemical Science, 2011, 2, 1497.	3.7	17
464	Homolytic organometallic reactions. Part X. Kinetics of the homolytic photoreductions of aromatic ketones by trialkylboranes. Journal of the Chemical Society Perkin Transactions II, 1972, , 2234.	0.9	16
465	Trapping by methyl methacrylate of the biradicals derived from the photolysis of some alkyl aryl ketones: A novel initiation of polymerization. Journal of Photochemistry and Photobiology, 1975, 4, 229-232.	0.6	16
466	Electron paramagnetic resonance spectra of radical adducts to di-tert-butyl selenoketone. The Journal of Physical Chemistry, 1976, 80, 1901-1908.	2.9	16
467	Formation, trapping, and lifetime of the biradicals generated in the photochemistry of valeraldehyde. Journal of the American Chemical Society, 1978, 100, 7108-7109.	6.6	16
468	Radiationless deactivation of benzophenone triplets in aromatic solvents. Characterization of transient intermediates in the presence of diphenyl ether. The Journal of Physical Chemistry, 1978, 82, 2064-2066.	2.9	16

#	Article	IF	Citations
469	Electron transfer reactions of the biradicals produced in the Norrish type II process. The Journal of Physical Chemistry, 1978, 82, 2662-2664.	2.9	16
470	Photochemical transformations of cis-1,2-dibenzoylalkenes. Journal of Organic Chemistry, 1980, 45, 3782-3790.	1.7	16
471	A reinvestigation of the interaction between triplet states of cyclohexenones and amines. Canadian Journal of Chemistry, 1988, 66, 2595-2600.	0.6	16
472	Mechanistic studies of fluorescent sensors for the detection of reactive oxygen species. Organic and Biomolecular Chemistry, 2008, 6, 354-358.	1.5	16
473	Reaction Mechanism in Crystalline Solids: Kinetics and Conformational Dynamics of the Norrish Type II Biradicals from Î±-Adamantyl-p-Methoxyacetophenone. Journal of the American Chemical Society, 2012, 134, 1115-1123.	6.6	16
474	Self-Assembled Dipole Nanolasers. Journal of the American Chemical Society, 2014, 136, 2956-2959.	6.6	16
475	Photochemical synthesis of biocompatible and antibacterial silver nanoparticles embedded within polyurethane polymers. Photochemical and Photobiological Sciences, 2015, 14, 661-664.	1.6	16
476	Homolytic substitution at boron by the triplet state of ketones. Challenge, 1971, , 196.	0.4	15
477	Effect of oxygen on the photochemistry of 4-methyl-1-phenylpentan-1-one. Journal of the Chemical Society Chemical Communications, 1973, , 207a.	2.0	15
478	Bimolecular homolytic substitution of dialkyl selenides and tellurides with tri-n-butyltin radicals. Journal of Organometallic Chemistry, 1976, 121, C4-C6.	0.8	15
479	Absolute rate constants for the reactions of some arylchlorocarbenes with acetic acid. Journal of Organic Chemistry, 1983, 48, 1359-1360.	1.7	15
480	Effect of cyclodextrin complexation on the photochemistry of p-methoxy-Î²-phenylpropiophenone. Journal of Photochemistry and Photobiology A: Chemistry, 1988, 45, 109-116.	2.0	15
481	Photochemistry of a benzophenone-containing bisimide: a model for inherently photosensitive polyimides. Journal of Photochemistry and Photobiology A: Chemistry, 1988, 44, 99-110.	2.0	15
482	Lignin-like molecules: structure and photophysics of crystalline .alpha.-guaiacoxyacetoveratrone. Chemistry of Materials, 1993, 5, 700-704.	3.2	15
483	LampversusLaser Photolysis of a Bichromophoric Dichloroalkane:Â Chemical Evidence for the Two-Photon Generation of the 1,5-Diphenylpentanediyl Biradical. Journal of Organic Chemistry, 1996, 61, 3773-3777.	1.7	15
484	The excimer emission of aromatic hydrocarbons on clays. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 118, 205-209.	2.0	15
485	Product studies and laser flash photolysis of direct and 2,4,6-triphenylpyryliumâ€“zeolite Y photocatalyzed degradation of fenvalerate. Photochemical and Photobiological Sciences, 2002, 1, 955-959.	1.6	15
486	Increasing the life expectancy of carbanions by zeolite inclusion. Chemical Communications, 2002, , 2154-2155.	2.2	15

#	Article	IF	Citations
487	Ship-in-a-Bottle Synthesis of Fluorescence-labeled Nanoparticles: Applications in Cellular ImagingÂ¶. Photochemistry and Photobiology, 2004, 80, 434.	1.3	15
488	Evidence of homolytic and heterolytic pathways in the photodissociation of iminosulfonates and direct detection of the p-toluenesulfonyloxyl radical. Photochemical and Photobiological Sciences, 2004, 3, 864.	1.6	15
489	Twoâ€Photon Chemistry in Ruthenium 2,2â€²â€Bipyridylâ€Functionalized Singleâ€Wall Carbon Nanotubes. Chemistry - A European Journal, 2010, 16, 7282-7292.	1.7	15
490	Coumarin 314 Free Radical Cation: Formation, Properties, and Reactivity toward Phenolic Antioxidants. Journal of Physical Chemistry A, 2012, 116, 199-206.	1.1	15
491	Single component photoacid/photobase generators: potential applications in double patterning photolithography. Journal of Materials Chemistry C, 2013, 1, 2657.	2.7	15
492	Study of Single Catalytic Events at Copper-in-Charcoal: Localization of Click Activity Through Subdiffraction Observation of Single Catalytic Events. Journal of Physical Chemistry Letters, 2015, 6, 4049-4053.	2.1	15
493	Twoâ€Photon Excitation of a Plasmonic Nanoswitch Monitored by Singleâ€Molecule Fluorescence Microscopy. Chemistry - A European Journal, 2016, 22, 7281-7287.	1.7	15
494	Photophysics of 7-mercapto-4-methylcoumarin and derivatives: complementary fluorescence behaviour to 7-hydroxycoumarins. Photochemical and Photobiological Sciences, 2017, 16, 1284-1289.	1.6	15
495	A laser flash photolysis study of dibenzocycloheptadienylidene. Chemical Physics Letters, 1984, 105, 539-543.	1.2	14
496	Thermal and photochemical fragmentation of .alpha.,.alpha.-dialkoxybenzyl radicals: a comparison of the thermal reactions with laser induced fragmentations by using laser flash and laser-jet photolyses. Journal of the American Chemical Society, 1993, 115, 2473-2477.	6.6	14
497	Photochemistry ofo-Vinylbenzaldehyde:Â Formation of a Ketene Methide Intermediate and Its Trapping with Secondary Amines. Journal of the American Chemical Society, 1996, 118, 4361-4365.	6.6	14
498	Temperature Dependence of the Reactions of Phenyl Radicals with 1,1-Diphenylethylene, Carbon Tetrachloride, and Cyclohexeneâ€. Journal of Organic Chemistry, 1996, 61, 8544-8546.	1.7	14
499	Photoreduction of Azoalkanes by Direct Hydrogen Abstraction from 1,4-Cyclohexadiene, Alcohols, Stannanes, and Silanes. Journal of Organic Chemistry, 1997, 62, 8082-8090.	1.7	14
500	Solvent Effect on Product Distribution in Photochemical Pathways of Î± Câ”N versus Î² Câ”C Cleavage of n,Ï€* Triplet-Excited Azoalkanes. Journal of the American Chemical Society, 1997, 119, 5550-5555.	6.6	14
501	Anin situ method for measuring acid loss from polymer films. Journal of Applied Polymer Science, 2000, 78, 1897-1905.	1.3	14
502	pH Effect on the efficiency of the photodeactivation pathways of naphazoline: a combined steady state and time resolved study. New Journal of Chemistry, 2000, 24, 159-163.	1.4	14
503	Photophysical Properties of the Prefluorescent Nitroxide Probes QT and C₃₄₃T. Photochemistry and Photobiology, 2008, 84, 1535-1542.	1.3	14
504	Mechanistic insights into the Nb2O5 and niobium phosphate catalyzed in situ condensation of a fluorescent halochromic assembly. Catalysis Science and Technology, 2015, 5, 169-175.	2.1	14

#	Article	IF	Citations
505	Photochemical Dehalogenation of Aryl Halides: Importance of Halogen Bonding. Journal of Physical Chemistry A, 2019, 123, 10224-10229.	1.1	14
506	Mechanistic studies of the photogeneration and photochemistry of ortho-xylylenes. Pure and Applied Chemistry, 1990, 62, 1557-1564.	0.9	14
507	One electron reduction of paraquat dication by photogenerated biradicals. Journal of Photochemistry and Photobiology, 1976, 6, 453-456.	0.6	13
508	A laser flash photolysis study of t-butoxyphosphoranyl radicals. Optical spectra and kinetics of formation, fragmentation, and rearrangement. Journal of the Chemical Society Perkin Transactions II, 1981, , 905.	0.9	13
509	Kinetics and mechanism of the reaction of diphenylcarbene with [1.1.1]propellane. Journal of the American Chemical Society, 1989, 111, 3750-3751.	6.6	13
510	Exploratory study on the application of transmission and diffuse-reflectance laser techniques in the study of free radical processes in vesicles. Langmuir, 1992, 8, 2390-2395.	1.6	13
511	Laser Flash Photolysis of 2-Diazo-1,3-diphenyl-1,3-propanedione:â€‰ An Unusual Long-Lived Triplet as a Reaction Intermediate. Organic Letters, 2000, 2, 1357-1360.	2.4	13
512	The 4,4â€˜-(1,2-Ethanediyl)bisbenzyl Biradical:Â Its Generation, Detection, and (Photo)chemical Behavior in Solution. Journal of Organic Chemistry, 2001, 66, 2717-2721.	1.7	13
513	Monitoring photodecomposition of dibenzyl ketone within NaY zeolite with a pre-fluorescent nitroxide compound. Photochemical and Photobiological Sciences, 2003, 2, 1125-1129.	1.6	13
514	A simple and smart oxygen sensor based on the intrazeolite reactions of a substituted anthraquinone. Chemical Communications, 2006, , 4401-4403.	2.2	13
515	Effect of UVC-Induced Damage to DNA on the Intercalation of Thiazole Orange: A Convenient Reporter for DNA Damageâ€. Photochemistry and Photobiology, 2007, 83, 556-562.	1.3	13
516	Photophysical characterization of atorvastatin (LipitorÂ®) ortho-hydroxy metabolite: role of hydroxyl group on the drug photochemistry. Photochemical and Photobiological Sciences, 2010, 9, 1378.	1.6	13
517	Electron transfer from the benzophenone triplet excited state directs the photochemical synthesis of gold nanoparticles. Photochemical and Photobiological Sciences, 2014, 13, 149-153.	1.6	13
518	Is Single-Molecule Fluorescence Spectroscopy Ready To Join the Organic Chemistry Toolkit? A Test Case Involving Click Chemistry. Journal of Organic Chemistry, 2017, 82, 5011-5019.	1.7	13
519	From the molecule to the mole: improving heterogeneous copper catalyzed click chemistry using single molecule spectroscopy. Chemical Communications, 2017, 53, 328-331.	2.2	13
520	Thiol-Stabilized Gold Nanoparticles: New Ways To Displace Thiol Layers Using Yttrium or Lanthanide Chlorides. Langmuir, 2017, 33, 12149-12154.	1.6	13
521	The reaction between azo-compounds and trialkylboranes. Journal of the Chemical Society Perkin Transactions II, 1972, , 803.	0.9	12
522	Radical additions to di-t-butyl selenoketone. Journal of the Chemical Society Chemical Communications, 1976, , 205.	2.0	12

#	Article	IF	Citations
523	A kinetic study of the reaction of adamantanethione with 2-adamantanethiol. Canadian Journal of Chemistry, 1976, 54, 3407-3411.	0.6	12
524	TRIPLET ENERGY MIGRATION BETWEEN CARBONYL CHROMOPHORES IN MICELLAR SOLUTION*. Photochemistry and Photobiology, 1981, 34, 29-32.	1.3	12
525	Transient spectroscopy and kinetics of the reactions of mesocyclic diamines with tert-butoxyl and with ketone triplets. Effects of ring conformation. Canadian Journal of Chemistry, 1984, 62, 1339-1343.	0.6	12
526	Dynamics of the Photochemical Debromination of Silicon-Substituted Vicinal Dibromides. Journal of Organic Chemistry, 1995, 60, 3921-3923.	1.7	12
527	Chain Amplified Photoacid Generation from Vicinal Dibromides. A General Strategy for the Efficient Generation of Hydrogen Bromide across the Ultraviolet and Visible Spectrum. Chemistry of Materials, 1996, 8, 161-166.	3.2	12
528	Comparative Study of the Reactivities of Substituted 3-(Benzoyl)benzyl Carbanions in Water and in DMSO. Journal of Organic Chemistry, 2004, 69, 7066-7071.	1.7	12
529	Base-Catalyzed Ship-in-a-Bottle Synthesis of a Prefluorescent, Zeolite-Incorporated Sensor for Monitoring Radical Processes in Zeolites. Chemistry of Materials, 2004, 16, 2669-2674.	3.2	12
530	Photophysics and photochemistry of aflatoxins B1 and B2. Photochemical and Photobiological Sciences, 2011, 10, 1701-1708.	1.6	12
531	Visible Light Production of Hydrogen by Ablated Graphene: Water Splitting or Carbon Gasification?. Journal of the American Chemical Society, 2017, 139, 11024-11027.	6.6	12
532	Click Chemistry: Mechanistic Insights into the Role of Amines Using Single-Molecule Spectroscopy. ACS Catalysis, 2017, 7, 8487-8492.	5.5	12
533	Prompt and Delayed Nonsteroidal Anti-inflammatory Drugâ€“photoinduced DNA Damage in Peripheral Blood Mononuclear Cells Measured with the Comet AssayÂ¶. Photochemistry and Photobiology, 2003, 77, 390.	1.3	12
534	Interaction of carbonyl triplets with aliphatic amines. Journal of the Chemical Society Faraday Transactions I, 1975, 71, 1221.	1.0	11
535	Comparison of the quenching of excited states by 5-DOXYL and 12-DOXYL-stearates in micellar solution. Canadian Journal of Chemistry, 1984, 62, 2351-2354.	0.6	11
536	Flash photolysis of phenylacetatopentaminecobalt(III) in aqueous solution. Generation of benzyl radicals and their reversible trapping by cupric ions in homogeneous and micellar solutions. Canadian Journal of Chemistry, 1984, 62, 2355-2358.	0.6	11
537	Photoreduction of Azoalkane Triplet States by Hydrogen Atom and Charge Transfer. Journal of Organic Chemistry, 1996, 61, 8722-8723.	1.7	11
538	Transient Photochemistry of Diflunisal:â€‰ Photoejection and Trapping of Hydrated Electrons Leading to the Formation of Phenoxy Radicals, Photostimulated Defluorination, and Cross Combination Reaction. Journal of Physical Chemistry B, 1999, 103, 9279-9284.	1.2	11
539	Mechanism of Reaction and Photoacid Generation of 1,2-di(Arylsulfonyl)hydrazine PAGs:Â A Laser Flash Photolytic Study. Chemistry of Materials, 2001, 13, 2305-2312.	3.2	11
540	A Laser Flash Photolysis Study of Fenofibric Acid in Aqueous Buffered Media: Unexpected Triplet State Inversion in a Derivative of 4-Alkoxybenzophenone Â¶. Photochemistry and Photobiology, 2002, 75, 193.	1.3	11

#	Article	IF	Citations
541	Multicomponent Donorâ"Acceptor Relay System Assembled within the Cavities of Zeolite Y. Photoinduced Electron Transfer between Ru(bpy)32+and 2,4,6-Triphenylpyrylium in the Presence of Interposed TiO2. Journal of Physical Chemistry B, 2004, 108, 16621-16625.	1.2	11
542	Photoinduced Formation and Characterization of Electronâ€"Hole Pairs in Azaxanthyliumâ€Derivatized Short Singleâ€Walled Carbon Nanotubes. Chemistry - A European Journal, 2009, 15, 8751-8759.	1.7	11
543	Raising the Ceiling of Diastereoselectivity in Hydrogen Transfer on Acyclic Radicals. Journal of Organic Chemistry, 2009, 74, 2438-2446.	1.7	11
544	CO2 switchable nanoparticles: reversible water/organic-phase exchange of gold nanoparticles by gas bubbling. RSC Advances, 2013, 3, 4867.	1.7	11
545	Epoxidation of stilbene using supported gold nanoparticles: cumyl peroxyl radical activation at the gold nanoparticle surface. Chemical Communications, 2014, 50, 2289.	2.2	11
546	How Fast Can Thiols Bind to the Gold Nanoparticle Surface?. Photochemistry and Photobiology, 2018, 94, 1109-1115.	1.3	11
547	Solution Photochemistry of Carbenes and Biradicals. , 1990, , 353-368.		11
548	Reactions of methyl radicals with triethylborane in the gas phase. Journal of the Chemical Society B, Physical Organic, 1971, , 1187.	0.2	10
549	Arrhenius parameters for some Type II photofragmentations of aromatic ketones. Journal of the Chemical Society Chemical Communications, 1972, , 390.	2.0	10
550	Photochemistry of Î±-substituted cyclohexanones. Chemistry of the intermediate type II biradicals. Journal of the Chemical Society Perkin Transactions II, 1980, , 56-60.	0.9	10
551	Intrazeolite Photochemistry: Use of Î²-Phenylpropiophenone and Its Derivatives as Probes for Cavity Dimensions and Mobility. ACS Symposium Series, 1985, , 211-222.	0.5	10
552	A long-lived triplet exciplex of acetone and durene. Absorption spectrum, energy transfer and kinetics. Journal of the American Chemical Society, 1987, 109, 1291-1297.	6.6	10
553	Cooperative Effect of Surface Sites on the Laser Flash Photolysis of 1,1-Diphenylacetone and 1,1,3,3-Tetraphenylacetone Adsorbed on Layered Clays. Generation of Radicals and Carbocations. The Journal of Physical Chemistry, 1994, 98, 8494-8497.	2.9	10
554	Chain mechanisms for the dehydro-bromination of ring-substituted Î±-bromoacetophenones in alcohols. Research on Chemical Intermediates, 1995, 21, 457-465.	1.3	10
555	Absolute Rate Constants for the Reactions of Sulfur (3PJ) Atoms in Solution. Journal of the American Chemical Society, 1997, 119, 1961-1970.	6.6	10
556	Five-Membered-Ring 9-I-2 Radicals:â€‰ Direct Detection and Comparison with Other Hypervalent Iodine Radicals. Organic Letters, 1999, 1, 1587-1589.	2.4	10
557	Laser Flash Photolysis of Diphenylsulfonyldiazomethane:â€‰ Detection of the Sulfene and a Sulfeneâ"Pyridine Ylide. Organic Letters, 2000, 2, 3591-3594.	2.4	10
558	Thermoplasmonic ssDNA Dynamic Release from Gold Nanoparticles Examined with Advanced Fluorescence Microscopy. Journal of Physical Chemistry Letters, 2015, 6, 1499-1503.	2.1	10

#	Article	IF	Citations
559	Single molecule study of samarium oxide nanoparticles as a purely heterogeneous catalyst for one-pot aldehyde chemistry. Catalysis Science and Technology, 2016, 6, 7113-7121.	2.1	10
560	Cobalt-molybdenum co-catalyst for heterogeneous photocatalytic H-mediated transformations. Journal of Catalysis, 2019, 379, 33-38.	3.1	10
561	Heterogeneous photocatalysis of azides: extending nitrene photochemistry to longer wavelengths. Chemical Communications, 2020, 56, 10239-10242.	2.2	10
562	Nitro to amine reductions using aqueous flow catalysis under ambient conditions. IScience, 2021, 24, 103472.	1.9	10
563	Photochemistry and photophysics from the excited states of diaryl ketyl radicals. Research on Chemical Intermediates, 1989, 12, 187-201.	1.3	9
564	A novel combined pulsed laser flash photolysis-optoacoustic spectroscopy technique for the quantitative study of relaxation processes of excited species produced in two-laser, two-photon experiments. The Journal of Physical Chemistry, 1989, 93, 6397-6401.	2.9	9
565	Photochemistry and photophysics of ketyl radicals containing the anthrone moiety. Journal of the American Chemical Society, 1990, 112, 4472-4476.	6.6	9
566	Photochemistry of 2,3-di(1'-naphthyl)oxiranes. Spectral and kinetic behavior of carbonyl ylides in condensed media. Journal of Organic Chemistry, 1992, 57, 3706-3712.	1.7	9
567	Flash Photolysis of 1,3-Dichloro-1,3-diphenylpropane in Polar Solvents:â€‰ Generation of a Stabilized Î³-Chloropropyl Cation, Subsequent Formation of a Propenyl Cation, and Nucleophilic Trapping of Both Cations. Journal of Physical Chemistry A, 1998, 102, 5724-5727.	1.1	9
568	Two-Photon Generation of the 1,4-Diphenyl-1,4-butanediyl Biradical:Â Direct Detection and Product Studies. Journal of Organic Chemistry, 1999, 64, 7842-7845.	1.7	9
569	Laser Flash Photolysis of [3,n]Paracyclophan-2-ones. Direct Observation and Chemical Behavior of 4,4â€˜-(1,n-Alkanediyl)bisbenzyl Biradicals. Journal of Organic Chemistry, 2002, 67, 6131-6135.	1.7	9
570	Plasmon Excitation of Supported Gold Nanoparticles Can Control Molecular Release from Supramolecular Systems. Langmuir, 2013, 29, 10521-10528.	1.6	9
571	Nitroxide amide-BODIPY probe behavior in fibroblasts analyzed by advanced fluorescence microscopy. Organic and Biomolecular Chemistry, 2016, 14, 4023-4026.	1.5	9
572	Kinetic Studies of Alkoxyl Radicals. , 1988, 49, 59-66.		9
573	Laser Techniques in the Study of the Photochemistry of Carbonyl Compounds Containing Ligninlike Moieties. ACS Symposium Series, 1993, , 111-121.	0.5	8
574	Development and Applications of Pyrene-containing Fluorescent Probes for Monitoring the Photodegradation of Lignin-Rich Products. Chemistry of Materials, 1994, 6, 2369-2375.	3.2	8
575	Intrazeolite Photochemistry. 23. Transparent PDMS Films of Zeolites Incorporating Organic Guests:Â Quantitative Determination of Photophysical Parameters by Transmission Techniques. Journal of Physical Chemistry B, 1998, 102, 7530-7534.	1.2	8
576	Trapping of photogenerated group IV radicals by TEMPO: Potential new organometallic initiators for ?living? free radical polymerization. International Journal of Chemical Kinetics, 2000, 32, 238-244.	1.0	8

#	Article	IF	Citations
577	Photochemistry of Diketones:Â Observation of a Triplet Stateâ^'Oxygen Adduct. Journal of the American Chemical Society, 2004, 126, 8636-8637.	6.6	8
578	Evaluation of different Niâ€“semiconductor composites as electrodes for enhanced hydrogen evolution reaction. Sustainable Energy and Fuels, 2020, 4, 3963-3970.	2.5	8
579	Solar Driven Photocatalytic Activity of Porphyrin Sensitized TiO2: Experimental and Computational Studies. Molecules, 2021, 26, 3131.	1.7	8
580	Nonlinear Effects and a Cascade of Radical Events Leading to Laser-Specific Generation of Active Oxygen Species. Photochemistry and Photobiology, 1998, 67, 174.	1.3	8
581	Energy transfer and migration processes in the photochemistry of polymers and copolymers of p-methoxyacrylophenone. Macromolecules, 1981, 14, 1723-1728.	2.2	7
582	Transient spectroscopy and kinetics of monomeric molybdenocene Mo(Î·-C5H5)2in solution. Journal of the Chemical Society Chemical Communications, 1984, , 457-458.	2.0	7
583	Arrhenius parameters for hydrogen and chlorine atom abstraction reactions of triplet diphenylcarbene and dibenzocycloheptadienylidene. The Journal of Physical Chemistry, 1987, 91, 695-699.	2.9	7
584	Fluorescence properties of the ketyl radical from 10,10-dimethylanthrone: an unusually long lived excited ketyl radical. Journal of the Chemical Society Chemical Communications, 1989, , 435.	2.0	7
585	Use of fluorescent probes to determine catalytic chain length in chemically amplified resists. Canadian Journal of Chemistry, 2005, 83, 869-874.	0.6	7
586	Lithography Based on Memory Effects Resulting from Photoinduced Self-Assembly of Pyrene Dimers in Thin Polymer Films. Chemistry of Materials, 2009, 21, 3933-3940.	3.2	7
587	Silica nanoreactors from silylated riboflavin for efficient singlet oxygen delivery. Journal of Materials Chemistry B, 2014, 2, 4221.	2.9	7
588	Visible and Near-Infrared Plasmon-Mediated Molecular Release from Cucurbit[6]uril Mesoporous Gated Systems. Langmuir, 2016, 32, 13764-13770.	1.6	7
589	Reaction Kinetics of Phenolic Antioxidants toward Photoinduced Pyranine Free Radicals in Biological Models. Journal of Physical Chemistry B, 2017, 121, 6331-6340.	1.2	7
590	Photoinduced Hydrogen Fuel Production and Water Decontamination Technologies. Orthogonal Strategies with a Parallel Future?. ACS Energy Letters, 2017, 2, 1909-1910.	8.8	7
591	A database on the stability of silver and gold nanostructures for applications in biology and biomolecular sciences. Biomaterials Science, 2017, 5, 89-97.	2.6	7
592	Spectroscopic and Time-Dependent DFT Study of the Photophysical Properties of Substituted 1,4-Distyrylbenzenes. Journal of Physical Chemistry A, 2019, 123, 6496-6505.	1.1	7
593	Decorated titania fibers as photocatalysts for hydrogen generation and organic matter degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 388, 112185.	2.0	7
594	Mechanistic Insights on the Semihydrogenation of Alkynes over Different Nanostructured Photocatalysts. ACS Catalysis, 2021, 11, 4230-4238.	5.5	7

#	Article	IF	Citations
595	Mechanism of the autoxidation of triethylborane. Part I. Reaction in the gas phase. Journal of the Chemical Society B, Physical Organic, 1969, , 475.	0.2	6
596	Photochemistry of phenyl alkyl ketones in the presence of organophosphorus(V) compounds. Journal of Organic Chemistry, 1978, 43, 568-570.	1.7	6
597	Electron transfer from ?-aminoalkyl radicals to methyl viologen. International Journal of Chemical Kinetics, 1984, 16, 371-377.	1.0	6
598	Photochemistry of dibenzylketone in Nafion membranes. Canadian Journal of Chemistry, 1987, 65, 2131-2134.	0.6	6
599	ON THE ORIGIN OF LASER-SPECIFIC LUMINESCENCE UPON PULSED-LASER EXCITATION OF BENZOPHENONES IN FREONS. Photochemistry and Photobiology, 1989, 50, 535-540.	1.3	6
600	Triplet-triplet annihilation of pyrene derivatives as mobility probes in sodium 1,4-bis(2-ethylhexyl)sulfosuccinate/water/isooctane reversed micelles. Langmuir, 1992, 8, 469-474.	1.6	6
601	Spontaneous carbocation generation on clays. Langmuir, 1993, 9, 874-876.	1.6	6
602	Mechanistic studies on the photogeneration of o- and p-xylylenes from Î±,Î±â€²-dichloroxylenes. Chemical Communications, 1998, , 1541-1542.	2.2	6
603	Photoacid generation in chemically amplified resists: elucidation of structural effects of photoacid generators using new acid-sensitive dyes for monitoring acid generation. , 1998, 3333, 680.		6
604	Transient photochemistry of naphazoline in a protein environment. New Journal of Chemistry, 1999, 23, 1159-1162.	1.4	6
605	Flash Photolysis of (E)-1,2-Bis(1-chloro-1-phenylmethyl)cyclopropane. Generation of 1,5-Diphenylpentadienyl Radical and 1,5-Diphenylpentadienylium Cation. Journal of Organic Chemistry, 2002, 67, 1162-1166.	1.7	6
606	Mechanism of photoacid generation for an arylcycloalkylsulfonium salt by ring opening and aryl cleavage. Photochemical and Photobiological Sciences, 2004, 3, 1052.	1.6	6
607	Functional Macromolecules from Singleâ€Walled Carbon Nanotubes: Synthesis and Photophysical Properties of Short Singleâ€Walled Carbon Nanotubes Functionalised with 9,10â€Diphenylanthracene. Chemistry - A European Journal, 2008, 14, 5030-5038.	1.7	6
608	On-off QD switch that memorizes past recovery from quenching by diazonium salts. Physical Chemistry Chemical Physics, 2010, 12, 9757.	1.3	6
609	Size-controlled photochemical synthesis of niobium nanoparticles. Dalton Transactions, 2013, 42, 14049.	1.6	6
610	Photochemical benzylic radical arylation promoted by supported Pd nanostructures. Organic and Biomolecular Chemistry, 2020, 18, 6047-6052.	1.5	6
611	The kinetics of photochemical reactions. Part IV. Photoreduction of carbonyl triplets by bonds other than Câ€“H. Semiempirical calculations. Journal of the Chemical Society Perkin Transactions II, 1975, , 934-938.	0.9	5
612	Laser flash photolysis study of polymers containing benzoyl and naphthalene groups. Macromolecules, 1981, 14, 693-698.	2.2	5

#	Article	IF	Citations
613	APPLICATION OF TIME-RESOLVED DIFFUSE REFLECTANCE TECHNIQUES IN STUDIES OF REACTION INTERMEDIATES IN SUSPENSIONS OF BACILLUS SUBTILIS. Photochemistry and Photobiology, 1992, 56, 423-426.	1.3	5
614	Photoreaction of Vicinal Dibromides with Alcohols: Chain-Amplified Generation of Hydrogen Bromide. Chemistry of Materials, 1995, 7, 936-940.	3.2	5
615	Laser flash photolysis study of the photochemistry of o-methylbenzils. Photochemical and Photobiological Sciences, 2002, 1, 184-189.	1.6	5
616	Laser flash photolysis with nanoliter samples: photonic crystal fibers as ultrasmall smart test tubes. Journal of Materials Chemistry, 2008, 18, 4769.	6.7	5
617	Nearâ€Infrared Emission Quantum Yield of Soluble Short Singleâ€Walled Carbon Nanotubes. ChemPhysChem, 2009, 10, 1305-1310.	1.0	5
618	Design of xanthone propionate photolabile protecting group releasing acyclovir for the treatment of ocular herpes simplex virus. Photochemical and Photobiological Sciences, 2012, 11, 539-547.	1.6	5
619	Plasmon induced self-assembly of gold nanorods in polymer films. Chemical Communications, 2015, 51, 1911-1913.	2.2	5
620	Ship-in-a-Bottle Synthesis of Fluorescence-labeled Nanoparticles: Applications in Cellular ImagingÂ¶. Photochemistry and Photobiology, 2004, 80, 434.	1.3	5
621	Decoration of glass wool with zinc (II) phthalocyanine for the photocatalytic transformation of methyl orange. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 432, 114127.	2.0	5
622	A kinetic model for the intermolecular photoreduction of carbonyl compounds; a novel application of the bond-energyâ€“bond-order method. Challenge, 1971, .	0.4	4
623	Photochemistry of 2-phenylbenzophenone. An unusual bichromophoric molecule. Canadian Journal of Chemistry, 1984, 62, 2346-2350.	0.6	4
624	Preparation and photochemical properties of poly[2-(4-benzoylphenyl)-2-(4-propenoylphenyl)-propane] and its copolymer with styrene. Journal of Polymer Science Part A, 1990, 28, 595-608.	2.5	4
625	Photodegradation of Î±-Guaiacoxyacetoveratrone. ACS Symposium Series, 1993, , 122-128.	0.5	4
626	Reactivity of the 3-Nitroanisole Triplet:Â Methanol Inhibition of Photohydroxylation. Journal of Organic Chemistry, 1997, 62, 8777-8783.	1.7	4
627	Mineralization of organic sunscreens: interesting, but relevant? : Comment and response. Photochemical and Photobiological Sciences, 2003, 2, 1050-1051.	1.6	4
628	Effects of bio-compatible metal ions on rufloxacin photochemistry, photophysics and photosensitization: Copper(II). Journal of Photochemistry and Photobiology B: Biology, 2010, 101, 295-303.	1.7	4
629	Sensitized excited free-radical processes as readâ€“write tools: impact on non-linear lithographic processes. Physical Chemistry Chemical Physics, 2013, 15, 14873.	1.3	4
630	Tetrahydropyranyl protection and deprotection of alcohols using a niobium-based BrÃ¸nsted acid catalyst. Canadian Journal of Chemistry, 2016, 94, 712-714.	0.6	4

#	Article	IF	Citations
631	A green road map for heterogeneous photocatalysis. Pure and Applied Chemistry, 2020, 92, 63-73.	0.9	4
632	Unveiling the Mechanism for the Photochemistry and Photodegradation of Vanillin. Photochemistry and Photobiology, 2021, , .	1.3	4
633	Light Photochemistry. ACS in Focus, 2022, , .	0.4	4
634	Quantitative Structure-Activity Relationship Analysis of Natural Products: Phototoxic Thiophenes. , 1991, , 371-396.		4
635	Photosensitized selective semi-oxidation of tetrahydroisoquinoline: a singlet oxygen path. Photochemical and Photobiological Sciences, 2022, , .	1.6	4
636	Carbonyl triplet quenching by Group V organometallics. Journal of Photochemistry and Photobiology, 1974, 2, 471-474.	0.6	3
637	Fluorescence spectroscopy of organic reaction intermediates in solution using a commercial spectrofluorimeter. Review of Scientific Instruments, 1985, 56, 23-25.	0.6	3
638	Flash Photolysis Study of Melamine Crosslinking Agents: Dual Role as Crosslinker and Photosensitizer. Chemistry of Materials, 1994, 6, 724-726.	3.2	3
639	Enantioselective photocyclization of p-toluidides of Î±,Î²-unsaturated carboxylic acids in solution. A mechanistic and preparative study. Perkin Transactions II RSC, 2002, , 164-167.	1.1	3
640	On the Question of Acid Generation upon 157-nm Laser Exposure of Fluorinated Polymers. Chemistry of Materials, 2006, 18, 2635-2641.	3.2	3
641	Catalyst Decomposition during Olefin Metathesis Yields Isomerization-Active Ruthenium Nanoparticles. ChemCatChem, 2016, 8, 2424-2424.	1.8	3
642	Plasmon heating mediated Friedel-Crafts alkylation of anisole using supported AuNP@Nb2O5 catalysts. Tetrahedron Letters, 2017, 58, 427-431.	0.7	3
643	Scale-up of a photochemical flow reactor for the production of lignin-coated titanium dioxide as a sunscreen ingredient. Journal of Photochemistry and Photobiology, 2021, 7, 100040.	1.1	3
644	Magnetic Field Effects on the Behavior of Radicals in Protein and DNA Environments. , 1998, 67, 111.		3
645	Characterization of the Transient Intermediates Generated from the Photoexcitation of Nabumetone: A Comparison with Naproxen. , 1998, 68, 646.		3
646	Protecting the Protectors: Reducing the Biological Toxicity of UV Sunscreens by Zeolite Encapsulation. Photochemistry and Photobiology, 2006, 82, 1606.	1.3	3
647	Photoprotection and Photostability of a New Lignin-Gelatin-Baccharis antioquensis-Based Hybrid Biomaterial. Antioxidants, 2021, 10, 1904.	2.2	3
648	On the competition between six and seven centre abstractions in the photochemical type II process. Journal of Photochemistry and Photobiology, 1974, 2, 321-323.	0.6	2

#	Article	IF	Citations
649	photo-reaction sensitized by conjugated dienes. Journal of the Chemical Society Chemical Communications, 1975, , 878-879.	2.0	2
650	Effect of phenyl substitution on the photochemistry of conformationally restricted cycloalkanones. Journal of the American Chemical Society, 1986, 108, 8255-8259.	6.6	2
651	A Four-Member Ring Hypervalent Iodine Radical. Journal of Physical Chemistry A, 1998, 102, 9975-9977.	1.1	2
652	Copper(II), in the parts per million range, modulates photochemical and photosensitizing properties of tolmetin via electron transfer with a triplet carbanion. Chemical Communications, 1999, , 2003-2004.	2.2	2
653	Photochemistry of 1,N-Diiodoalkanes. Progress in Reaction Kinetics and Mechanism, 2001, 26, 139-158.	1.1	2
654	Nonlinear Effects and a Cascade of Radical Events Leading to Laserâ€Specific Generation of Active Oxygen Species. Photochemistry and Photobiology, 1998, 67, 174-178.	1.3	2
655	Ionic carbamate photoacid/photobase generators for the advancement of dual-tone photolithography. Proceedings of SPIE, 2012, , .	0.8	2
656	MODEL FOR THE RATIONALIZATION OF MAGNETIC FIELD EFFECTS IN VIVO. APPLICATION OF THE RADICAL - PAIR MECHANISM TO BIOLOGICAL SYSTEMS. Photochemistry and Photobiology, 1994, 59, 585-589.	1.3	1
657	Photophysical Properties of Methyl Triazone Included in MCM-41Â¶. Photochemistry and Photobiology, 2005, 81, 949.	1.3	1
658	A Laser Flash Photolysis Study of Fenofibric Acid in Aqueous Buffered Media: Unexpected Triplet State Inversion in a Derivative of 4-AlkoxybenzophenoneÂ¶. Photochemistry and Photobiology, 2002, 75, 193-200.	1.3	1
659	Prompt and Delayed Nonsteroidal Anti-inflammatory Drug-photoinduced DNA Damage in Peripheral Blood Mononuclear Cells Measured with the Comet Assay Â¶. Photochemistry and Photobiology, 2003, 77, 390-396.	1.3	1
660	A New Approach for the Detection of Carbon-centered Radicals in Enzymatic Processes Using Prefluorescent ProbesÂ¶. Photochemistry and Photobiology, 2003, 78, 416-419.	1.3	1
661	Plasmon mediated polymerization on the surface of silver nanoparticles for advancements in photolithographic patterning. , 2012, , .		1
662	Laser Flash Photolysis of Tolmetin: A Photoadiabatic Decarboxylation with a Triplet Carbanion as the Key Intermediate in the Photodecomposition. , 1999, 69, 167.		1
663	Photoenolization as a convenient driver for the synthesis of plasmonic nanostructures. Photochemical and Photobiological Sciences, 2021, 20, 1611-1619.	1.6	1
664	Comment on â€œstudies of the role of peroxy and hydroperoxy groups in polymer photodegradationâ€• Journal of Polymer Science, Polymer Letters Edition, 1985, 23, 487-488.	0.4	0
665	11.4 Competitive kinetic measurements (processes involving at least one bimolecular reaction). , 0, , 333-348.		0
666	Reactive Intermediates in Organized and Biological Systems: A Tribute to Giuseppe Cilento. Introduction. Photochemistry and Photobiology, 1996, 63, 695-695.	1.3	0

#	Article	IF	Citations
667	Mechanistic similarities in the photochemistry of two classes of photoacid generators: a laser flash photolytic study. , 2000, 3999, 609.		0
668	Increasing the Life Expectancy of Carbanions by Zeolite Inclusion.. ChemInform, 2003, 34, no-no.	0.1	0
669	Generation and Reactivity Toward Oxygen of Carbon-Centered Radicals Containing Indane, Indene, and Fluorenyl Moieties.. ChemInform, 2003, 34, no.	0.1	0
670	Shipâ€inâ€aâ€Bottle Synthesis of Fluorescenceâ€labeled Nanoparticles: Applications in Cellular Imaging^{Â¶}. Photochemistry and Photobiology, 2004, 80, 434-437.	1.3	0
671	Photophysical Properties of Methyl Triazone Included in MCMâ€41^{Â¶}. Photochemistry and Photobiology, 2005, 81, 949-952.	1.3	0
672	Editorial. Photochemistry and Photobiology, 2018, 94, 1085-1085.	1.3	0
673	Dressing up for the occasion: the many faces of decorated titanium dioxide in photocatalysis. , 2019, , 73-108.		0
674	Micellar Aggregation and the Decay of Triplet Radical Pairs. , 1988, , 51-52.		0
675	Part 4. , 0, , 68-78.		0
676	8.1.4.3 - 8.1.4.9 Other alkoxyl radicals with four to ten carbon atoms. , 0, , 116-123.		0
677	8.1.5 Miscellaneous. , 0, , 123-127.		0
678	References for 8.1 and 8.2. , 0, , 138-141.		0
679	8.1.1 Radical-radical reactions. , 0, , 6-8.		0
680	8.1.2 Unimolecular reactions. , 0, , 8-11.		0
681	8.1.3.1 Absolute rate constants. , 0, , 12-26.		0
682	8.1.3.2.1 Methoxyl radicals. , 0, , 26-30.		0
683	8.5.3.14 Reactions of alkylperoxyl radicals with alkyl halides. , 0, , 373-375.		0
684	8.5.3.15 Reactions of alkylperoxyl radicals with aliphatic amines. , 0, , 375-377.		0

#	Article	IF	Citations
685	References for 8.3 - 8.5. , 0, , 423-430.		0
686	11.1.1 Reactions of 1,3-biradicals to yield molecular products. , 0, , 297-298.		0
687	11.1.2 Reactions of 1,4-biradicals to yield molecular products. , 0, , 298-312.		0
688	11.1.3 Reactions of other biradicals to yield molecular products. , 0, , 312-315.		0
689	11.1.4 Biradical rearrangements, spin, acid-base and conformational equilibria. , 0, , 315-316.		0
690	11.3.1 1,3-Biradicals, additions to unsaturated substrates. , 0, , 318-319.		0
691	11.3.2 1,4-Biradicals. , 0, , 319-330.		0
692	11.3.3 Other biradicals. , 0, , 330-333.		0
693	References for 11. , 0, , 360-363.		0