

Juan C Scaiano

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709
papers

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113
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880
ext. papers

26,103
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
709	Rate constants for the reactions of free radicals with oxygen in solution. <i>Journal of the American Chemical Society</i> , 1983 , 105, 5095-5099	16.4	391
708	Photochemistry and photophysics from upper triplet levels of 9,10-dibromoanthracene. <i>Journal of the American Chemical Society</i> , 1989 , 111, 335-340	16.4	386
707	Solvent effects in the photochemistry of xanthone. <i>Journal of the American Chemical Society</i> , 1980 , 102, 7747-7753	16.4	311
706	Light emitting diode irradiation can control the morphology and optical properties of silver nanoparticles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1825-7	16.4	303
705	Rate constants and Arrhenius parameters for the reactions of primary, secondary, and tertiary alkyl radicals with tri-n-butyltin hydride. <i>Journal of the American Chemical Society</i> , 1981 , 103, 7739-7742	16.4	289
704	Photophysical properties of fluorescent DNA-dyes bound to single- and double-stranded DNA in aqueous buffered solution. <i>Photochemistry and Photobiology</i> , 2001 , 73, 585-99	3.6	274
703	Optimal Size of Silver Nanoparticles for Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 1403-1409	3.8	272
702	Facile photochemical synthesis of unprotected aqueous gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15980-1	16.4	248
701	Hydrogen abstraction by tert-butoxy radicals. A laser photolysis and electron spin resonance study. <i>Journal of the American Chemical Society</i> , 1978 , 100, 4520-4527	16.4	240
700	Intermolecular photoreductions of ketones. <i>Journal of Photochemistry and Photobiology</i> , 1973 , 2, 81-118		236
699	Intrazeolite Photochemistry: Toward Supramolecular Control of Molecular Photochemistry. <i>Accounts of Chemical Research</i> , 1999 , 32, 783-793	24.3	203
698	Absolute rate constants for the reactions of tert-butoxyl, tert-butylperoxyl, and benzophenone triplet with amines: the importance of a stereoelectronic effect. <i>Journal of the American Chemical Society</i> , 1981 , 103, 619-623	16.4	193
697	Facile photochemical synthesis and characterization of highly fluorescent silver nanoparticles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13972-80	16.4	191
696	Mechanistic insights and kinetic analysis for the oxidative hydroxylation of arylboronic acids by visible light photoredox catalysis: a metal-free alternative. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13286-9	16.4	188
695	Metal-Free Photocatalytic Radical Trifluoromethylation Utilizing Methylene Blue and Visible Light Irradiation. <i>ACS Catalysis</i> , 2014 , 4, 2530-2535	13.1	181
694	Recombinant human collagen for tissue engineered corneal substitutes. <i>Biomaterials</i> , 2008 , 29, 1147-58	15.6	181
693	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. <i>Biomaterials</i> , 2012 , 33, 4947-56	15.6	172

692	Phenyl radical kinetics. <i>Journal of the American Chemical Society</i> , 1983 , 105, 3609-3614	16.4	165
691	Reaction of tert-butoxy radicals with phenols. Comparison with the reactions of carbonyl triplets. <i>Journal of the American Chemical Society</i> , 1981 , 103, 4162-4166	16.4	161
690	Exploratory study of the intermolecular reactivity of excited diphenylmethyl radicals. <i>Journal of the American Chemical Society</i> , 1985 , 107, 4396-4403	16.4	160
689	Exploratory study of the effect of polyelectrolyte surfactant aggregates on photochemical behavior. <i>Journal of the American Chemical Society</i> , 1984 , 106, 6274-6283	16.4	158
688	A Novel Photometric Method for the Determination of Photoacid Generation Efficiencies Using Benzothiazole and Xanthene Dyes as Acid Sensors. <i>Chemistry of Materials</i> , 1997 , 9, 3222-3230	9.6	156
687	Collagen-phosphorylcholine interpenetrating network hydrogels as corneal substitutes. <i>Biomaterials</i> , 2009 , 30, 1551-9	15.6	153
686	Effect of cyclodextrin complexation on the photochemistry of xanthone. Absolute measurement of the kinetics for triplet-state exit. <i>Journal of the American Chemical Society</i> , 1990 , 112, 8075-8079	16.4	151
685	Photochemistry of benzophenone in micelles. Formation and decay of radical pairs. <i>Journal of the American Chemical Society</i> , 1982 , 104, 5673-5679	16.4	142
684	Laser flash photolysis studies of the reactions of some 1,4-biradicals. <i>Accounts of Chemical Research</i> , 1982 , 15, 252-258	24.3	142
683	Photochemical strategies for the synthesis of gold nanoparticles from Au(III) and Au(I) using photoinduced free radical generation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16572-84	16.4	138
682	Understanding the Kinetics and Spectroscopy of Photoredox Catalysis and Transition-Metal-Free Alternatives. <i>Accounts of Chemical Research</i> , 2016 , 49, 1320-30	24.3	138
681	Laser flash photolysis study of the reactions of carbonyl triplets with phenols and photochemistry of p-hydroxypropiophenone. <i>Journal of the American Chemical Society</i> , 1981 , 103, 4154-4162	16.4	134
680	Photochemical Strategies for the Facile Synthesis of GoldSilver Alloy and CoreShell Bimetallic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11861-11867	3.8	128
679	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. <i>Journal of the American Chemical Society</i> , 1985 , 107, 4594-4596	16.4	127
678	Photoenolization of o-alkyl-substituted carbonyl compounds. Use of electron transfer processes to characterize transient intermediates. <i>Journal of the American Chemical Society</i> , 1979 , 101, 6965-6970	16.4	125
677	Aspartame-stabilized gold-silver bimetallic biocompatible nanostructures with plasmonic photothermal properties, antibacterial activity, and long-term stability. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17394-7	16.4	122
676	Transient Intermediates in the Laser Flash Photolysis of Ketoprofen in Aqueous Solutions: Unusual Photochemistry for the Benzophenone Chromophore. <i>Journal of the American Chemical Society</i> , 1997 , 119, 11066-11070	16.4	121
675	Photochemical generation of radical cations from .alpha.-terthienyl and related thiophenes: kinetic behavior and magnetic field effects on radical-ion pairs in micellar solution. <i>Journal of the American Chemical Society</i> , 1990 , 112, 2694-2701	16.4	120

674	High-temperature organic reactions at room temperature using plasmon excitation: decomposition of dicumyl peroxide. <i>Organic Letters</i> , 2011 , 13, 204-7	6.2	117
673	Time-resolved studies of biradical reactions in solution. <i>Chemical Reviews</i> , 1989 , 89, 521-547	68.1	116
672	Reaction of benzophenone triplets with allylic hydrogens. Laser flash photolysis study. <i>Journal of the American Chemical Society</i> , 1981 , 103, 6393-6397	16.4	116
671	Photochemical Norrish type I reaction as a tool for metal nanoparticle synthesis: importance of proton coupled electron transfer. <i>Chemical Communications</i> , 2012 , 48, 4798-808	5.8	113
670	Intrazeolite Photochemistry. 17. Zeolites as Electron Donors: Photolysis of Methylviologen Incorporated within Zeolites. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 3043-3051	3.4	108
669	Mapping photogenerated radicals in thin polymer films: fluorescence imaging using a prefluorescent radical probe. <i>Journal of the American Chemical Society</i> , 2003 , 125, 620-1	16.4	103
668	Absolute rate constants for the decarbonylation of the phenylacetyl radical. <i>The Journal of Physical Chemistry</i> , 1983 , 87, 529-530		102
667	Photochemistry of o-nitrobenzaldehyde and related studies. <i>The Journal of Physical Chemistry</i> , 1980 , 84, 492-495		102
666	Copper nanoparticle heterogeneous catalytic 'click' cycloaddition confirmed by single-molecule spectroscopy. <i>Nature Communications</i> , 2014 , 5, 4612	17.4	101
665	Bond dissociation energies for radical dimers derived from highly stabilized carbon-centered radicals. <i>Organic Letters</i> , 2004 , 6, 2579-82	6.2	101
664	Decomposition Kinetics, Arrhenius Parameters, and Bond Dissociation Energies for Alkoxyamines of Relevance in Living-Free Radical Polymerization. <i>Macromolecules</i> , 1998 , 31, 9103-9105	5.5	101
663	On the antioxidant activity of melatonin. <i>Free Radical Biology and Medicine</i> , 1999 , 26, 117-28	7.8	95
662	Efficiency of the photoprocesses leading to singlet oxygen ($^1\Delta_g$) generation by alpha-terthienyl: optical absorption, optoacoustic calorimetry and infrared luminescence studies. <i>Photochemistry and Photobiology</i> , 1990 , 52, 655-9	3.6	94
661	Exploratory laser flash photolysis study of free radical reactions and magnetic field effects in melatonin chemistry. <i>Journal of Pineal Research</i> , 1995 , 19, 189-95	10.4	92
660	Absolute rate constants for the reactions of tributylgermyl and tributylstannyl radicals with carbonyl compounds, other unsaturated molecules, and organic halides. <i>Journal of the American Chemical Society</i> , 1984 , 106, 343-348	16.4	91
659	Does intersystem crossing in triplet biradicals generate singlets with conformational memory?. <i>Tetrahedron</i> , 1982 , 38, 819-824	2.4	90
658	Substituent effects on hydrogen abstraction by phenyl ketone triplets. <i>Journal of the American Chemical Society</i> , 1985 , 107, 7093-7097	16.4	89
657	Absolute rate constants for the addition of triethylsilyl radicals to various unsaturated compounds. <i>Journal of the American Chemical Society</i> , 1983 , 105, 3292-3296	16.4	88

656	Photochemistry of organic reaction intermediates: novel reaction paths induced by two-photon laser excitation. <i>Accounts of Chemical Research</i> , 1988 , 21, 22-29	24.3	87
655	1-Naphthylcarbene: spectroscopy, kinetics, and mechanisms. <i>Journal of the American Chemical Society</i> , 1986 , 108, 3928-3937	16.4	85
654	Measurement of the dipole moments of excited states and photochemical transients by microwave dielectric absorption. <i>The Journal of Physical Chemistry</i> , 1982 , 86, 3803-3811		84
653	Absolute rate constants for the reactions of tert-butoxyl with ethers: importance of the stereoelectronic effect. <i>Journal of Organic Chemistry</i> , 1982 , 47, 1455-1459	4.2	84
652	Cucurbituril complexes cross the cell membrane. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 1743-7	4.2	83
651	Plasmon-Mediated Catalytic Oxidation of sec-Phenethyl and Benzyl Alcohols. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10784-10790	3.8	82
650	Formation, decay, and spectral characterization of some alkyl- and aryl-substituted carbon-, silicon-, germanium-, and tin-centered radicals. <i>Organometallics</i> , 1983 , 2, 1332-1335	3.8	82
649	Absolute rate constants for the reaction of triethylsilyl radicals with organic halides. <i>Journal of the American Chemical Society</i> , 1982 , 104, 5123-5127	16.4	82
648	Photocatalytic Hydrogen Generation Using Metal-Decorated TiO ₂ : Sacrificial Donors vs True Water Splitting. <i>ACS Energy Letters</i> , 2018 , 3, 542-545	20.1	81
647	Photochemical synthesis of a water oxidation catalyst based on cobalt nanostructures. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16742-5	16.4	81
646	Absolute rate constants for reactions of cumyloxy in solution. <i>Journal of the American Chemical Society</i> , 1983 , 105, 6120-6123	16.4	79
645	Potential analytical applications of differential fluorescence quenching: pyrene monomer and excimer emissions as sensors for electron deficient molecules. <i>Photochemical and Photobiological Sciences</i> , 2005 , 4, 817-21	4.2	78
644	Photochemical routes to silver and gold nanoparticles. <i>Pure and Applied Chemistry</i> , 2009 , 81, 635-647	2.1	77
643	Oxygen Quenching of Excited Aliphatic Ketones and Diketones. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 11360-11367		77
642	Model for the rationalization of magnetic field effects in vivo. Application of the radical-pair mechanism to biological systems. <i>Photochemistry and Photobiology</i> , 1994 , 59, 585-9	3.6	77
641	Non-linear effects in the quenching of fluorescent quantum dots by nitroxyl free radicals. <i>Chemical Communications</i> , 2006 , 257-9	5.8	76
640	Photochemical synthesis of TEMPO-capped initiators for living free radical polymerization. <i>Tetrahedron Letters</i> , 1996 , 37, 4919-4922	2	76
639	A carbon-centered radical unreactive toward oxygen: unusual radical stabilization by a lactone ring. <i>Organic Letters</i> , 2000 , 2, 899-901	6.2	75

- 638 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 3.6 75
- 637 Quantitative determination of singlet oxygen generated by excited state aromatic amino acids, proteins, and immunoglobulins. *Journal of the American Chemical Society*, **2008**, 130, 6912-3 16.4 74
- 636 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 16.4 74
- 635 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*, **1992**, 114, 4589-4593 16.4 73
- 634 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 73
- 633 Rapid one-pot propargylamine synthesis by plasmon mediated catalysis with gold nanoparticles on ZnO under ambient conditions. *Chemical Communications*, **2013**, 49, 1732-4 5.8 72
- 632 Photolysis of an alkoxyamine using intramolecular energy transfer from a quinoline antenna--towards photo-induced living radical polymerization. *Photochemical and Photobiological Sciences*, **2007**, 6, 833-5 4.2 70
- 631 Intrazeolite Photochemistry. 20. Characterization of Highly Luminescent Europium Complexes inside Zeolites. *Journal of Physical Chemistry B*, **1998**, 102, 8744-8750 3.4 70
- 630 Fragmentation of ketyl radicals derived from p-henoxyacetophenone: an important mode of decay for lignin-related radicals?. *Journal of Photochemistry and Photobiology A: Chemistry*, **1991**, 59, 265-268 4.7 70
- 629 Safety and efficacy of composite collagen-silver nanoparticle hydrogels as tissue engineering scaffolds. *Nanoscale*, **2015**, 7, 18789-98 7.7 69
- 628 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 16.4 69
- 627 Titanium dioxide visible light photocatalysis: surface association enables photocatalysis with visible light irradiation. *Chemical Communications*, **2017**, 53, 4335-4338 5.8 67
- 626 Lactone-derived carbon-centered radicals: formation and reactivity with oxygen. *Organic Letters*, **2001**, 3, 4059-62 6.2 67
- 625 Generation and transient spectroscopy of substituted diaryl carbonyl oxides. *Journal of Organic Chemistry*, **1989**, 54, 1612-1616 4.2 67
- 624 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, 1177-87 6.4 66
- 623 Visible-Light Actinometry and Intermittent Illumination as Convenient Tools to Study Ru(bpy)₃Cl₂ Mediated Photoredox Transformations. *Scientific Reports*, **2015**, 5, 16397 4.9 66
- 622 Methylene blue encapsulation in cucurbit[7]uril: laser flash photolysis and near-IR luminescence studies of the interaction with oxygen. *Langmuir*, **2009**, 25, 10490-4 4 66
- 621 Kinetics of Cap Separation in Nitroxide-Regulated Living Free Radical Polymerization: Application of a Novel Methodology Involving a Prefluorescent Nitroxide Switch. *Macromolecules*, **2001**, 34, 6184-6187 5.5 66

620	Intrazeolite Photochemistry. 13. Photophysical Properties of Bulky 2,4,6-Triphenylpyrylium and Tritylium Cations within Large- and Extra-Large-Pore Zeolites. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 18152-18157		66
619	Intrazeolite Photochemistry. 22. Acid-Base Properties of Coumarin 6. Characterization in Solution, the Solid State, and Incorporated into Supramolecular Systems. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 5852-5858	3.4	65
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617	Absolute measurement of the rates of radical exit and of radical-pair intersystem crossing in anionic micelles. <i>Chemical Physics Letters</i> , 1981 , 81, 209-213	2.5	65
616	Library of Cationic Organic Dyes for Visible-Light-Driven Photoredox Transformations. <i>ACS Omega</i> , 2016 , 1, 66-76	3.9	65
615	Heterogeneous Photocatalytic Click Chemistry. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13127-13130	3.7	65
614	Improving the Sunscreen Properties of TiO ₂ through an Understanding of Its Catalytic Properties. <i>ACS Omega</i> , 2016 , 1, 464-469	3.9	63
613	Surface plasmons control the dynamics of excited triplet states in the presence of gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6298-9	16.4	62
612	Free radical sensor based on CdSe quantum dots with added 4-amino-2,2,6,6-tetramethylpiperidine oxide functionality. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 16353-8	3.4	62
611	Flash photolytic generation and study of ketene and carboxylic acid enol intermediates formed by the photolysis of diazonaphthoquinones in aqueous solution. <i>Journal of the American Chemical Society</i> , 1993 , 115, 10605-10610	16.4	62
610	Exploratory study of the quenching of photosensitizers by initiators of free radical "living" polymerization. <i>Canadian Journal of Chemistry</i> , 1997 , 75, 92-97	0.9	61
609	Use of a photoreversible fulgide as an actinometer in one- and two-laser experiments. <i>Journal of the American Chemical Society</i> , 1988 , 110, 511-517	16.4	61
608	Hydrogen bonding in alcohols: its effect on the carbene insertion reaction. <i>Journal of the American Chemical Society</i> , 1982 , 104, 5549-5551	16.4	60
607	Gold nanoparticle catalysis of the cis-trans isomerization of azobenzene. <i>Chemical Communications</i> , 2013 , 49, 10073-5	5.8	59
606	Characterization of the Transient Intermediates Generated from the Photoexcitation of Nabumetone: A Comparison with Naproxen. <i>Photochemistry and Photobiology</i> , 1998 , 68, 646-651	3.6	59
605	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?. <i>Bioelectromagnetics</i> , 1994 , 15, 549-54	1.6	59
604	Reactions of the stable nitroxide radical TEMPO. Relevance to living free radical polymerizations and autopolymerization of styrene. <i>Tetrahedron Letters</i> , 1997 , 38, 1133-1136	2	58
603	Laser photolysis studies of photochromic processes in spirooxazines: solvent effects on photomerocyanine behavior. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992 , 66, 79-90	4.7	58

602	Laser flash photolysis study of the photochemistry of ring-substituted .beta.-phenylpropiophenones. <i>Journal of the American Chemical Society</i> , 1985 , 107, 2617-2622	16.4	58
601	Reaction of Paraquat Radical Cations with Oxygen: A Pulse Radiolysis and Laser Photolysis Study. <i>Radiation Research</i> , 1977 , 72, 218	3.1	58
600	Mechanistic Studies of Photoacid Generation from Substituted 4,6-Bis(trichloromethyl)-1,3,5-triazines. <i>Chemistry of Materials</i> , 1997 , 9, 1353-1361	9.6	57
599	RADICAL PROCESSES IN LIPIDS. A LASER PHOTOLYSIS STUDY OF t-BUTOXY RADICAL REACTIVITY TOWARD FATTY ACIDS. <i>Photochemistry and Photobiology</i> , 1979 , 29, 49-51	3.6	57
598	Absolute rate constants for the reactions of tert-butoxyl radicals and some ketone triplets with silanes. <i>Organometallics</i> , 1982 , 1, 466-469	3.8	56
597	Carbanion-mediated photocages: rapid and efficient photorelease with aqueous compatibility. <i>Journal of the American Chemical Society</i> , 2005 , 127, 7698-9	16.4	55
596	Reaction of diphenylcarbene with methanol. <i>Journal of the American Chemical Society</i> , 1984 , 106, 198-202	16.4	55
595	The photochemical alkylation and reduction of heteroarenes. <i>Chemical Science</i> , 2017 , 8, 7412-7418	9.4	54
594	Radically different antioxidants: thermally generated carbon-centered radicals as chain-breaking antioxidants. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16432-3	16.4	54
593	Human serum albumin as protecting agent of silver nanoparticles: role of the protein conformation and amine groups in the nanoparticle stabilization. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	53
592	Laser Flash Photolysis Study of Two Aromatic N-Oxyimidosulfonate Photoacid Generators. <i>Chemistry of Materials</i> , 2000 , 12, 414-420	9.6	53
591	Characterization of the triplet-triplet annihilation process of pyrene and several derivatives under laser excitation. <i>Journal of the American Chemical Society</i> , 1990 , 112, 4226-4231	16.4	53
590	Photochemistry of Chloro- and Bromoacetophenone. Determination of extinction coefficients for halogenbenzene complexes. <i>Canadian Journal of Chemistry</i> , 1988 , 66, 1474-1478	0.9	53
589	Temperature dependence of the photochemistry of aryl alkyl ketones. <i>Journal of the American Chemical Society</i> , 1983 , 105, 1856-1860	16.4	53
588	Supported Gold Nanoparticles as Efficient Catalysts in the Solventless Plasmon Mediated Oxidation of sec-Phenethyl and Benzyl Alcohol. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12279-12288	3.8	52
587	Photophysics and photochemistry of dyes bound to human serum albumin are determined by the dye localization. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 93-102	4.2	52
586	A new method to study antioxidant capability: hydrogen transfer from phenols to a prefluorescent nitroxide. <i>Organic Letters</i> , 2003 , 5, 4145-8	6.2	52
585	Fluorescence of 2,3-Diazabicyclo[2.2.2]oct-2-ene Revisited: Solvent-Induced Quenching of the n,π*-Excited State by an Aborted Hydrogen Atom Transfer. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 1579-1584	2.8	52

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583	A critical examination of transient assignments in the laser flash photolysis of 9-diazafluorene. <i>Journal of the American Chemical Society</i> , 1982 , 104, 6813-6814	16.4	52
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580	TiO ₂ -promoted mineralization of organic sunscreens in water suspension and sodium dodecyl sulfate micelles. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 487-92	4.2	51
579	Intrazeolite photochemistry. VI. Diffuse reflectance laser flash photolysis and product studies of diphenylmethyl radicals on solid supports. <i>Canadian Journal of Chemistry</i> , 1990 , 68, 812-819	0.9	51
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571	Photochemical and Thermal Behavior of Styrenes within Acidic and Nonacidic Zeolites. Radical Cation versus Carbocation Formation. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 6921-6928	3.4	49
570	Reactivity and Efficiency of Singlet- and Triplet-Excited States in Intermolecular Hydrogen Abstraction Reactions. <i>Journal of the American Chemical Society</i> , 1996 , 118, 2275-2282	16.4	49
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