

Massimo Bietti

List of Publications by Year in descending order

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126708

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118
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118
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#	ARTICLE	IF	CITATIONS
1	The Trap Depth (in DNA) of 8-Oxo-7,8-dihydro-2- β -deoxyguanosine as Derived from Electron-Transfer Equilibria in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2000, 122, 2373-2374.	6.6	258
2	Tuning Reactivity and Selectivity in Hydrogen Atom Transfer from Aliphatic C-H Bonds to Alkoxy Radicals: Role of Structural and Medium Effects. <i>Accounts of Chemical Research</i> , 2015, 48, 2895-2903.	7.6	192
3	Mechanistic Aspects of β -Bond-Cleavage Reactions of Aromatic Radical Cations. <i>Accounts of Chemical Research</i> , 2000, 33, 243-251.	7.6	172
4	Photo- and radiation chemical induced degradation of lignin model compounds. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 56, 85-108.	1.7	155
5	Highly Enantioselective Oxidation of Nonactivated Aliphatic C-H Bonds with Hydrogen Peroxide Catalyzed by Manganese Complexes. <i>ACS Central Science</i> , 2017, 3, 196-204.	5.3	148
6	The Quest for Selectivity in Hydrogen Atom Transfer Based Aliphatic C-H Bond Oxygenation. <i>Accounts of Chemical Research</i> , 2018, 51, 1984-1995.	7.6	122
7	Chemoselective Aliphatic C-H Bond Oxidation Enabled by Polarity Reversal. <i>ACS Central Science</i> , 2017, 3, 1350-1358.	5.3	121
8	A reassessment of the association between azulene and [60]fullerene. Possible pitfalls in the determination of binding constants through fluorescence spectroscopy. <i>Chemical Communications</i> , 2008, , 4744.	2.2	107
9	Spectral Properties and Absolute Rate Constants for β -Scission of Ring-Substituted Cumyloxy Radicals. A Laser Flash Photolysis Study. <i>Journal of Organic Chemistry</i> , 2002, 67, 2266-2270.	1.7	81
10	Activation and Deactivation Strategies Promoted by Medium Effects for Selective Aliphatic C-H Bond Functionalization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16618-16637.	7.2	77
11	Lifetime, Reduction Potential and Base-Induced Fragmentation of the Veratryl Alcohol Radical Cation in Aqueous Solution. Pulse Radiolysis Studies on a Ligninase α -Mediator. <i>Journal of Physical Chemistry A</i> , 1998, 102, 7337-7342.	1.1	74
12	Electron-Transfer Mechanism in the N-Demethylation of N,N-Dimethylanilines by the Phthalimide-N-oxyl Radical. <i>Journal of Organic Chemistry</i> , 2005, 70, 5144-5149.	1.7	71
13	Weighting non-covalent forces in the molecular recognition of C60. Relevance of concave-convex complementarity. <i>Chemical Communications</i> , 2008, , 4567.	2.2	71
14	Reaction Pathways of Alkoxy Radicals. The Role of Solvent Effects on C-C Bond Fragmentation and Hydrogen Atom Transfer Reactions. <i>Synlett</i> , 2014, 25, 1803-1816.	1.0	69
15	Enantioselective aliphatic C-H bond oxidation catalyzed by bioinspired complexes. <i>Chemical Communications</i> , 2018, 54, 9559-9570.	2.2	69
16	The Effect of Ring Substitution on the O-Neophyl Rearrangement of 1,1-Diaryloxy Radicals. A Product and Time-Resolved Kinetic Study. <i>Journal of Organic Chemistry</i> , 2005, 70, 3884-3891.	1.7	66
17	Enantioselective C-H Lactonization of Unactivated Methylene Directed by Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2020, 142, 1584-1593.	6.6	63
18	Side-Chain Fragmentation of Arylalkanol Radical Cations. Carbon-Carbon and Carbon-Hydrogen Bond Cleavage and the Role of α - and β -OH Groups. <i>Journal of the American Chemical Society</i> , 1996, 118, 5952-5960.	6.6	60

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19	Electronic control over site-selectivity in hydrogen atom transfer (HAT) based C(sp ³)â€“H functionalization promoted by electrophilic reagents. <i>Chemical Society Reviews</i> , 2022, 51, 2171-2223.	18.7	57
20	Competitive Hydrogen Atom Transfer to Oxyl- and Peroxyl Radicals in the Cu-Catalyzed Oxidative Coupling of <i>N</i> -Aryl Tetrahydroisoquinolines Using <i>tert</i> -Butyl Hydroperoxide. <i>ACS Catalysis</i> , 2016, 6, 3253-3261.	5.5	50
21	Tuning Selectivity in Aliphatic Câ€“H Bond Oxidation of <i>N</i> -Alkylamides and Phthalimides Catalyzed by Manganese Complexes. <i>ACS Catalysis</i> , 2017, 7, 5903-5911.	5.5	50
22	Hydrogen Atom Abstraction Selectivity in the Reactions of Alkylamines with the Benzyloxy and Cumyloxy Radicals. The Importance of Structure and of Substrate Radical Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2011, 133, 16625-16634.	6.6	49
23	Kinetic Solvent Effects on Hydrogen Abstraction Reactions from Carbon by the Cumyloxy Radical. The Role of Hydrogen Bonding. <i>Organic Letters</i> , 2010, 12, 3654-3657.	2.4	46
24	Fragmentation reactions of radical cations. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 467-478.	0.9	42
25	Modeling Noncovalent Radicalâ€“Molecule Interactions Using Conventional Density-Functional Theory: Beware Erroneous Charge Transfer. <i>Journal of Physical Chemistry A</i> , 2013, 117, 947-952.	1.1	41
26	Site-Selective and Product Chemoselective Aliphatic Câ€“H Bond Hydroxylation of Polyhydroxylated Substrates. <i>ACS Catalysis</i> , 2020, 10, 4702-4709.	5.5	40
27	Bimodal Evansâ€“Polanyi Relationships in Hydrogen Atom Transfer from C(sp ³)â€“H Bonds to the Cumyloxy Radical. A Combined Time-Resolved Kinetic and Computational Study. <i>Journal of the American Chemical Society</i> , 2021, 143, 11759-11776.	6.6	39
28	Side-chain oxidation of .alpha.-substituted 4-methoxytoluenes by potassium 12-tungstocobalt(III)ate. The effect of .alpha.-substituents on the formation and deprotonation of the intermediate cation radicals. <i>Journal of Organic Chemistry</i> , 1993, 58, 7106-7110.	1.7	38
29	Early stages in the TiO ₂ -photocatalyzed degradation of simple phenolic and non-phenolic lignin model compounds. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 453-462.	2.0	38
30	Kinetic and Product Studies on the Side-Chain Fragmentation of 1-Arylalkanol Radical Cations in Aqueous Solution: Oxygen versus Carbon Acidity. <i>Chemistry - A European Journal</i> , 1999, 5, 1785-1793.	1.7	36
31	Reactions of the Cumyloxy and Benzyloxy Radicals with Tertiary Amides. Hydrogen Abstraction Selectivity and the Role of Specific Substrate-Radical Hydrogen Bonding. <i>Journal of Organic Chemistry</i> , 2013, 78, 5909-5917.	1.7	36
32	Base-Catalyzed Câ€“H Deprotonation of 4-Methoxybenzyl Alcohol Radical Cations in Water: Evidence for a Carbon-to-Oxygen 1,2-H-Shift Mechanism. <i>Journal of the American Chemical Society</i> , 1997, 119, 4078-4079.	6.6	34
33	A Kinetic Study of the Electron-Transfer Reaction of the Phthalimide-N-oxyl Radical (PINO) with Ferrocenes. <i>Journal of Organic Chemistry</i> , 2007, 72, 8748-8754.	1.7	34
34	Practical and Selective sp ³ Câ€“H Bond Chlorination via Aminium Radicals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7132-7139.	7.2	34
35	Oxygen Acidity of 1-Arylalkanol Radical Cations. 4-Methoxycumyloxy Radical as a C(Me) ₂ O-to-Nucleus Electron-Transfer Intermediate in the Reaction of 4-Methoxycumyl Alcohol Radical Cation with OH ⁻ . <i>Journal of the American Chemical Society</i> , 1998, 120, 11516-11517.	6.6	33
36	Generation and Reactivity of Ketyl Radicals with Lignin Related Structures. On the Importance of the Ketyl Pathway in the Photoyellowing of Lignin Containing Pulps and Papers. <i>Journal of Organic Chemistry</i> , 2005, 70, 2720-2728.	1.7	33

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37	N-Demethylation of N,N-Dimethylanilines by the Benzotriazole N-Oxyl Radical: Evidence for a Two-Step Electron Transfer-Proton Transfer Mechanism. <i>Journal of Organic Chemistry</i> , 2010, 75, 1378-1385.	1.7	33
38	Kinetic Solvent Effects on Hydrogen Abstraction Reactions from Carbon by the Cumyloxyl Radical. The Importance of Solvent Hydrogen-Bond Interactions with the Substrate and the Abstracting Radical. <i>Journal of Organic Chemistry</i> , 2011, 76, 4645-4651.	1.7	31
39	Effect of Metal Ions on the Reactions of the Cumyloxyl Radical with Hydrogen Atom Donors. Fine Control on Hydrogen Abstraction Reactivity Determined by Lewis Acid-Base Interactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 415-423.	6.6	31
40	General Access to Modified α -Amino Acids by Bioinspired Stereoselective β -C-H Bond Lactonization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4740-4746.	7.2	31
41	Oxygen Versus Carbon Acidity in the Side-Chain Fragmentation of 2-, 3-, and 4-Arylcyclohexanol Radical Cations in Aqueous Solution: The Influence of the Distance between the OH Group and the Aromatic Ring. <i>Journal of the American Chemical Society</i> , 1999, 121, 6624-6629.	6.6	30
42	Understanding Kinetic Solvent Effects on Hydrogen Abstraction Reactions from Carbon by the Cumyloxyl Radical. <i>Organic Letters</i> , 2011, 13, 6110-6113.	2.4	30
43	Absolute Rate Constants for Hydrogen Atom Transfer from Tertiary Amides to the Cumyloxyl Radical: Evaluating the Role of Stereoelectronic Effects. <i>Journal of Organic Chemistry</i> , 2014, 79, 7179-7184.	1.7	29
44	Aliphatic C-H Bond Oxidation with Hydrogen Peroxide Catalyzed by Manganese Complexes: Directing Selectivity through Torsional Effects. <i>Organic Letters</i> , 2018, 20, 2720-2723.	2.4	29
45	Photolysis of 1-Alkylcycloalkanol in the Presence of (Diacetoxyiodo)benzene and I ₂ . Intramolecular Selectivity in the β -Scission Reactions of the Intermediate 1-Alkylcycloalkoxyl Radicals. <i>Journal of Organic Chemistry</i> , 2004, 69, 5281-5289.	1.7	28
46	Importance of π -Stacking Interactions in the Hydrogen Atom Transfer Reactions from Activated Phenols to Short-Lived α -Oxyl Radicals. <i>Journal of Organic Chemistry</i> , 2014, 79, 5209-5218.	1.7	28
47	Enhanced Reactivity in Hydrogen Atom Transfer from Tertiary Sites of Cyclohexanes and Decalins via Strain Release: Equatorial C-H Activation vs Axial C-H Deactivation. <i>Journal of Organic Chemistry</i> , 2015, 80, 4710-4715.	1.7	28
48	Characterization and Fate of Hydrogen-Bonded Free-Radical Intermediates and Their Coupling Products from the Hydrogen Atom Transfer Agent 1,8-Naphthalenediol. <i>ACS Omega</i> , 2018, 3, 3918-3927.	1.6	28
49	Structural Effects on the β -Scission Reaction of Alkoxyl Radicals. Direct Measurement of the Absolute Rate Constants for Ring Opening of Benzocycloalken-1-oxyl Radicals. <i>Journal of Organic Chemistry</i> , 2005, 70, 1417-1422.	1.7	27
50	Hydrogen Atom Abstraction Reactions from Tertiary Amines by Benzyloxyl and Cumyloxyl Radicals: Influence of Structure on the Rate-Determining Formation of a Hydrogen-Bonded Prereaction Complex. <i>Journal of Organic Chemistry</i> , 2011, 76, 6264-6270.	1.7	27
51	Reactions of the Cumyloxyl and Benzyloxyl Radicals with Strong Hydrogen Bond Acceptors. Large Enhancements in Hydrogen Abstraction Reactivity Determined by Substrate/Radical Hydrogen Bonding. <i>Journal of Organic Chemistry</i> , 2012, 77, 10479-10487.	1.7	27
52	Hydrogen Abstraction from Cyclic Amines by the Cumyloxyl and Benzyloxyl Radicals. The Role of Stereoelectronic Effects and of Substrate/Radical Hydrogen Bonding. <i>Journal of Organic Chemistry</i> , 2012, 77, 8556-8561.	1.7	27
53	Oxidation of α -alkylbenzyl alcohols catalysed by 5,10,15,20-tetrakis(pentafluorophenyl)porphyrin iron(III) chloride. Competition between C-H and C-C bond cleavage. <i>Tetrahedron Letters</i> , 1998, 39, 4711-4714.	0.7	26
54	The Role of Aromatic Radical Cations and Benzylic Cations in the 2,4,6-Triphenylpyrylium Tetrafluoroborate Photosensitized Oxidation of Ring-Methoxylated Benzyl Alcohols in CH ₂ Cl ₂ Solution. <i>Journal of Organic Chemistry</i> , 2004, 69, 8874-8885.	1.7	25

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55	Phenyl Bridging in Ring-Substituted Cumyloxy Radicals. A Product and Time-Resolved Kinetic Study. <i>Organic Letters</i> , 2009, 11, 2453-2456.	2.4	25
56	Reactions of the Phthalimide <i>N</i> -Oxyl Radical (PINO) with Activated Phenols: The Contribution of π -Stacking Interactions to Hydrogen Atom Transfer Rates. <i>Journal of Organic Chemistry</i> , 2013, 78, 1026-1037.	1.7	25
57	Tuning hydrogen atom abstraction from the aliphatic C-H bonds of basic substrates by protonation. Control over selectivity by C-H deactivation. <i>Chemical Science</i> , 2013, 4, 3255.	3.7	25
58	Fine Control over Site and Substrate Selectivity in Hydrogen Atom Transfer-Based Functionalization of Aliphatic C-H Bonds. <i>Journal of Organic Chemistry</i> , 2016, 81, 9269-9278.	1.7	25
59	Solvent Effects on the O-Neophyl Rearrangement of 1,1-Diaryloxy Radicals. A Laser Flash Photolysis Study. <i>Journal of Organic Chemistry</i> , 2005, 70, 10603-10606.	1.7	24
60	Electron-Transfer Properties of Short-Lived N-Oxyl Radicals. Kinetic Study of the Reactions of Benzotriazole-N-oxyl Radicals with Ferrocenes. Comparison with the Phthalimide-N-oxyl Radical. <i>Journal of Organic Chemistry</i> , 2009, 74, 5576-5583.	1.7	24
61	Reactivity and Selectivity Patterns in Hydrogen Atom Transfer from Amino Acid C-H Bonds to the Cumyloxy Radical: Polar Effects as a Rationale for the Preferential Reaction at Proline Residues. <i>Journal of Organic Chemistry</i> , 2015, 80, 3643-3650.	1.7	24
62	The mediation of veratryl alcohol in oxidations promoted by lignin peroxidase: the lifetime of veratryl alcohol radical cation. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 832-835.	1.0	23
63	One Electron Oxidation of β -Alkylbenzyl Alcohols Induced by Potassium 12-Tungstocobalt(III)ate ⁴⁻ . Comparison with the Oxidation Promoted by Microsomal Cytochrome P450. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 299-302.	1.2	22
64	Structural Effects on the β -Scission Reaction of Tertiary Arylcarbinoyloxy Radicals. The Role of β -Cyclopropyl and β -Cyclobutyl Groups. <i>Journal of Organic Chemistry</i> , 2005, 70, 6820-6826.	1.7	21
65	DFT Evidence for a Stepwise Mechanism in the O-Neophyl Rearrangement of 1,1-Diaryloxy Radicals. <i>Journal of Organic Chemistry</i> , 2007, 72, 4515-4519.	1.7	21
66	The Role of Structural Effects on the Reactions of Alkoxy Radicals with Trialkyl and Triaryl Phosphites. A Time-Resolved Kinetic Study. <i>Journal of Organic Chemistry</i> , 2010, 75, 4514-4520.	1.7	21
67	Diffusion Controlled Hydrogen Atom Abstraction from Tertiary Amines by the Benzoyloxy Radical. The Importance of π -H/N Hydrogen Bonding. <i>Organic Letters</i> , 2011, 13, 260-263.	2.4	21
68	Kinetic Solvent Effects on the Reactions of the Cumyloxy Radical with Tertiary Amides. Control over the Hydrogen Atom Transfer Reactivity and Selectivity through Solvent Polarity and Hydrogen Bonding. <i>Journal of Organic Chemistry</i> , 2015, 80, 1149-1154.	1.7	21
69	Hydrogen Abstraction by Alkoxy Radicals: Computational Studies of Thermodynamic and Polarity Effects on Reactivities and Selectivities. <i>Journal of the American Chemical Society</i> , 2022, 144, 6802-6812.	6.6	21
70	Kinetic Study of the Reaction of the Phthalimide-N-oxyl Radical with Amides: Structural and Medium Effects on the Hydrogen Atom Transfer Reactivity and Selectivity. <i>Journal of Organic Chemistry</i> , 2016, 81, 11924-11931.	1.7	19
71	Anwendung von Medieneffekten in Aktivierungs- und Deaktivierungsstrategien zur selektiven Funktionalisierung aliphatischer C-H-Bindungen. <i>Angewandte Chemie</i> , 2018, 130, 16858-16878.	1.6	19
72	Photo-oxidative Fragmentation of Some α -Alkyl Substituted 4-Methoxybenzyl Alcohols and Methyl Ethers Sensitized by TiO ₂ . <i>Acta Chemica Scandinavica</i> , 1998, 52, 160-164.	0.7	19

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73	Electron Transfer Properties of Alkoxy Radicals. A Time-Resolved Kinetic Study of the Reactions of the <i>tert</i> -Butoxyl, Cumyloxyl, and Benzyloxyl Radicals with Alkyl Ferrocenes. <i>Journal of Organic Chemistry</i> , 2010, 75, 5875-5881.	1.7	17
74	Binding to Redox-Inactive Alkali and Alkaline Earth Metal Ions Strongly Deactivates the C-H Bonds of Tertiary Amides toward Hydrogen Atom Transfer to Reactive Oxygen Centered Radicals. <i>Journal of Organic Chemistry</i> , 2015, 80, 9214-9223.	1.7	17
75	Aerobic Oxidation of 4-Alkyl-N,N-dimethylbenzylamines Catalyzed by N-Hydroxyphthalimide: Protonation-Driven Control over Regioselectivity. <i>Journal of Organic Chemistry</i> , 2017, 82, 5761-5768.	1.7	17
76	Structural Effects on the OH [•] -Promoted Fragmentation of Methoxy-Substituted 1-Arylalkanol Radical Cations in Aqueous Solution: The Role of Oxygen Acidity. <i>Chemistry - A European Journal</i> , 2001, 7, 1408-1416.	1.7	16
77	One-electron oxidation of ferrocenes by short-lived N-oxyl radicals. The role of structural effects on the intrinsic electron transfer reactivities. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4085.	1.5	16
78	Evaluation of Polar Effects in Hydrogen Atom Transfer Reactions from Activated Phenols. <i>Journal of Organic Chemistry</i> , 2019, 84, 1778-1786.	1.7	16
79	Resolving Oxygenation Pathways in Manganese-Catalyzed C(sp ³)-H Functionalization via Radical and Cationic Intermediates. <i>Journal of the American Chemical Society</i> , 2022, 144, 7391-7401.	6.6	16
80	Kinetic Solvent Effects on Hydrogen Abstraction from Phenol by the Cumyloxyl Radical. Toward an Understanding of the Role of Protic Solvents. <i>Journal of Organic Chemistry</i> , 2012, 77, 1267-1272.	1.7	15
81	Structural and Medium Effects on the Reactions of the Cumyloxyl Radical with Intramolecular Hydrogen Bonded Phenols. The Interplay Between Hydrogen-Bonding and Acid-Base Interactions on the Hydrogen Atom Transfer Reactivity and Selectivity. <i>Journal of Organic Chemistry</i> , 2014, 79, 6196-6205.	1.7	15
82	Oxidation of non-phenolic β -O-aryl-lignin model dimers catalysed by lignin peroxidase. Comparison with the oxidation induced by potassium 12-tungstocobalt(III)ate. <i>Perkin Transactions II RSC</i> , 2001, , 1506-1511.	1.1	14
83	The Deprotonation of Benzyl Alcohol Radical Cations: A Mechanistic Dichotomy in the Gas Phase as in Solution. <i>Chemistry - A European Journal</i> , 2002, 8, 532-537.	1.7	13
84	Hydrogen Atom Transfer from 1, <i>n</i> -Alkanediamines to the Cumyloxyl Radical. Modulating C-H Deactivation Through Acid-Base Interactions and Solvent Effects. <i>Journal of Organic Chemistry</i> , 2014, 79, 5710-5716.	1.7	13
85	Hydrogen Atom Transfer from Alkanols and Alkanediols to the Cumyloxyl Radical: Kinetic Evaluation of the Contribution of β -C-H Activation and β -C-H Deactivation. <i>Journal of Organic Chemistry</i> , 2018, 83, 5539-5545.	1.7	13
86	Spectral Properties and Reactivity of Diarylmethanol Radical Cations in Aqueous Solution. Evidence for Intramolecular Charge Resonance. <i>Journal of Organic Chemistry</i> , 2002, 67, 2632-2638.	1.7	12
87	β -OH-Induced shift from carbon to oxygen acidity in the side-chain deprotonation of 2-, 3- and 4-methoxybenzyl alcohol radical cations in aqueous solution: results from pulse radiolysis and DFT calculations. <i>Tetrahedron</i> , 2003, 59, 613-618.	1.0	12
88	Reactions of the Cumyloxyl Radical with Secondary Amides. The Influence of Steric and Stereoelectronic Effects on the Hydrogen Atom Transfer Reactivity and Selectivity. <i>Organic Letters</i> , 2014, 16, 6444-6447.	2.4	12
89	Electronic and Torsional Effects on Hydrogen Atom Transfer from Aliphatic C-H Bonds: A Kinetic Evaluation via Reaction with the Cumyloxyl Radical. <i>Journal of Organic Chemistry</i> , 2017, 82, 13542-13549.	1.7	12
90	Spectroscopic Detection, Reactivity, and Acid-Base Behavior of Ring-Dimethoxylated Phenylethanoic Acid Radical Cations and Radical Zwitterions in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2004, 69, 482-486.	1.7	11

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91	The O-neophyl rearrangement of 1,1-diaryloxy radicals. Experimental evidence for the formation of an intermediate 1-oxaspiro[2,5]octadienyl radical. <i>Tetrahedron Letters</i> , 2010, 51, 4129-4131.	0.7	11
92	Uncovering the Complexity of the Simplest Atom Transfer Reaction. <i>Accounts of Chemical Research</i> , 2018, 51, 2601-2602.	7.6	11
93	Stereoelectronic Inhibition of Deprotonation in the Radical Cation of N-Benzylpiperidine: a Contribution to the Debate on the Mechanism of N-Dealkylation of Tertiary Amines. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2425-2429.	1.2	9
94	Reactivity and Acid-Base Behavior of Ring-Methoxylated Arylalkanoic Acid Radical Cations and Radical Zwitterions in Aqueous Solution. Influence of Structural Effects and pH on the Benzylic C-H Deprotonation Pathway. <i>Journal of Organic Chemistry</i> , 2006, 71, 5260-5267.	1.7	9
95	Enhancing Reactivity and Site-Selectivity in Hydrogen Atom Transfer from Amino Acid C-H Bonds via Deprotonation. <i>Organic Letters</i> , 2018, 20, 808-811.	2.4	9
96	General Access to Modified β -Amino Acids by Bioinspired Stereoselective β -C-H Bond Lactonization. <i>Angewandte Chemie</i> , 2021, 133, 4790-4796.	1.6	8
97	Rate-determining electron-transfer reactions in highly aqueous alcohol-water mixtures. A quantitative analysis of solvent effects on the oxidation of 4-methoxyphenylacetate by potassium 12-tungstocobaltate(III). <i>Chemical Communications</i> , 1996, , 1307-1308.	2.2	7
98	The role of stereoelectronic effects on the side-chain fragmentation of alkylaromatic radical cations. The reactivity of 5-methoxy-2,2-dimethylindan-1-yl radical cation. <i>Tetrahedron</i> , 2002, 58, 5039-5044.	1.0	7
99	Time-Resolved Kinetic Study of the Electron-Transfer Reactions between Ring-Substituted Cumyloxy Radicals and Alkylferrocenes. Evidence for an Inner-Sphere Mechanism. <i>Journal of Organic Chemistry</i> , 2011, 76, 1789-1794.	1.7	7
100	One-Electron Oxidation of 2-(4-Methoxyphenyl)-2-Methylpropanoic and 1-(4-Methoxyphenyl)cyclopropanecarboxylic Acids in Aqueous Solution. The Involvement of Radical Cations and the Influence of Structural Effects and pH on the Side-Chain Fragmentation Reactivity. <i>Journal of Organic Chemistry</i> , 2008, 73, 618-629.	1.7	6
101	Hydrogen atom transfer from tertiary alkanamides to the cumyloxy radical. The role of substrate structure on alkali and alkaline earth metal ion induced C-H bond deactivation. <i>Tetrahedron</i> , 2016, 72, 7757-7763.	1.0	6
102	Deciphering Reactivity and Selectivity Patterns in Aliphatic C-H Bond Oxygenation of Cyclopentane and Cyclohexane Derivatives. <i>Journal of Organic Chemistry</i> , 2021, 86, 9925-9937.	1.7	6
103	Factors Governing Reactivity and Selectivity in Hydrogen Atom Transfer from C(sp ³)-H Bonds of Nitrogen-Containing Heterocycles to the Cumyloxy Radical. <i>Journal of Organic Chemistry</i> , 2016, 81, 1077-1087.	1.7	6
104	Oxygen Acidity of Ring Methoxylated 1,1-Diaryloxy Radical Cations Bearing β -Cyclopropyl Groups. The Competition between O-Neophyl Shift and β -Cyclopropyl β -Scission in the Intermediate 1,1-Diaryloxy Radicals. <i>Journal of Organic Chemistry</i> , 2006, 71, 3167-3175.	1.7	5
105	A computational and experimental re-examination of the reaction of the benzyloxy radical with DMSO. <i>Computational and Theoretical Chemistry</i> , 2016, 1077, 74-79.	1.1	5
106	Oxidative decarboxylation of 4-methoxyphenylacetic acid induced by potassium 12-tungstocobalt(III)ate. The role of intramolecular electron transfer. <i>Perkin Transactions II RSC</i> , 2002, , 720-722.	1.1	4
107	Threefold exTTF-based Buckycatcher. <i>Journal of Coordination Chemistry</i> , 2010, 63, 2939-2948.	0.8	4
108	Involvement of alkoxy radical intermediates in the photolysis of 1-alkylcycloalkanol in the presence of bis(pyridine)iodonium tetrafluoroborate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 182, 33-37.	2.0	3

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109	Hydrogen atom transfer from 1,2- and 1,3-diols to the cumyloxyl radical. The role of structural effects on metal-ion induced C-H bond deactivation. <i>Chemical Communications</i> , 2019, 55, 5227-5230.	2.2	3
110	Aliphatic C-H bond methylation enabled by hydrogen atom transfer. <i>Chem</i> , 2021, 7, 1427-1430.	5.8	3
111	METALLATION OF ALKYNES. ACETOXYMERCURATION OF ARYL(HYDROXYMETHYL)ETHYNES AND ARYL(METHOXYMETHYL)ETHYNES. <i>Main Group Metal Chemistry</i> , 2000, 23, .	0.6	2
112	The role of oxygen acidity on the side-chain fragmentation of ring methoxylated benzocycloalkenol radical cations. <i>Tetrahedron Letters</i> , 2003, 44, 6401-6404.	0.7	1
113	Practical and Selective sp^3 C-H Bond Chlorination via Aminium Radicals. <i>Angewandte Chemie</i> , 2021, 133, 7208-7215.	1.6	1
114	Photolysis of 1-Alkylcycloalkanols in the Presence of (Diacetoxyiodo)benzene and I ₂ . Intramolecular Selectivity in the β^2 -Scission Reactions of the Intermediate 1-Alkylcycloalkoxyl Radicals.. <i>ChemInform</i> , 2004, 35, no.	0.1	0