

Michela Salamone

List of Publications by Year in descending order

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33
papers

1,140
citations

331670

21
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

907
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	38.1	57
2	Resolving Oxygenation Pathways in Manganese-Catalyzed C(sp ³)â€“H Functionalization via Radical and Cationic Intermediates. <i>Journal of the American Chemical Society</i> , 2022, 144, 7391-7401.	13.7	16
3	Practical and Selective sp ³ Câˆ“H Bond Chlorination via Aminium Radicals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7132-7139.	13.8	34
4	Deciphering Reactivity and Selectivity Patterns in Aliphatic Câ€“H Bond Oxygenation of Cyclopentane and Cyclohexane Derivatives. <i>Journal of Organic Chemistry</i> , 2021, 86, 9925-9937.	3.2	6
5	Bimodal Evansâ€“Polanyi Relationships in Hydrogen Atom Transfer from C(sp ³)â€“H Bonds to the Cumyloxyl Radical. A Combined Time-Resolved Kinetic and Computational Study. <i>Journal of the American Chemical Society</i> , 2021, 143, 11759-11776.	13.7	39
6	Evaluation of Polar Effects in Hydrogen Atom Transfer Reactions from Activated Phenols. <i>Journal of Organic Chemistry</i> , 2019, 84, 1778-1786.	3.2	16
7	Hydrogen atom transfer from 1,2- and 1,3-diols to the cumyloxyl radical. The role of structural effects on metal-ion induced Câ€“H bond deactivation. <i>Chemical Communications</i> , 2019, 55, 5227-5230.	4.1	3
8	Hydrogen Atom Transfer from Alkanols and Alkanediols to the Cumyloxyl Radical: Kinetic Evaluation of the Contribution of Î±-Câ€“H Activation and Î²-Câ€“H Deactivation. <i>Journal of Organic Chemistry</i> , 2018, 83, 5539-5545.	3.2	13
9	The Quest for Selectivity in Hydrogen Atom Transfer Based Aliphatic Câ€“H Bond Oxygenation. <i>Accounts of Chemical Research</i> , 2018, 51, 1984-1995.	15.6	122
10	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.	11.2	50
11	Electronic and Torsional Effects on Hydrogen Atom Transfer from Aliphatic Câ€“H Bonds: A Kinetic Evaluation via Reaction with the Cumyloxyl Radical. <i>Journal of Organic Chemistry</i> , 2017, 82, 13542-13549.	3.2	12
12	Fine Control over Site and Substrate Selectivity in Hydrogen Atom Transfer-Based Functionalization of Aliphatic Câ€“H Bonds. <i>Journal of Organic Chemistry</i> , 2016, 81, 9269-9278.	3.2	25
13	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.	3.2	19
14	Enhanced Reactivity in Hydrogen Atom Transfer from Tertiary Sites of Cyclohexanes and Decalins via Strain Release: Equatorial Câ€“H Activation vs Axial Câ€“H Deactivation. <i>Journal of Organic Chemistry</i> , 2015, 80, 4710-4715.	3.2	28
15	Reactivity and Selectivity Patterns in Hydrogen Atom Transfer from Amino Acid Câ€“H Bonds to the Cumyloxyl Radical: Polar Effects as a Rationale for the Preferential Reaction at Proline Residues. <i>Journal of Organic Chemistry</i> , 2015, 80, 3643-3650.	3.2	24
16	Binding to Redox-Inactive Alkali and Alkaline Earth Metal Ions Strongly Deactivates the Câ€“H Bonds of Tertiary Amides toward Hydrogen Atom Transfer to Reactive Oxygen Centered Radicals. <i>Journal of Organic Chemistry</i> , 2015, 80, 9214-9223.	3.2	17
17	Tuning Reactivity and Selectivity in Hydrogen Atom Transfer from Aliphatic Câ€“H Bonds to Alkoxy Radicals: Role of Structural and Medium Effects. <i>Accounts of Chemical Research</i> , 2015, 48, 2895-2903.	15.6	192
18	Reaction Pathways of Alkoxy Radicals. The Role of Solvent Effects on Câ€“C Bond Fragmentation and Hydrogen Atom Transfer Reactions. <i>Synlett</i> , 2014, 25, 1803-1816.	1.8	69

#	ARTICLE	IF	CITATIONS
19	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.	4.6	12
20	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.	3.2	29
21	Importance of π -Stacking Interactions in the Hydrogen Atom Transfer Reactions from Activated Phenols to Short-Lived <i>N</i> -Oxyl Radicals. <i>Journal of Organic Chemistry</i> , 2014, 79, 5209-5218.	3.2	28
22	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.	13.7	31
23	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.	3.2	25
24	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.	3.2	27
25	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.	3.2	27
26	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.	3.2	27
27	One-electron oxidation of ferrocenes by short-lived <i>N</i> -oxyl radicals. The role of structural effects on the intrinsic electron transfer reactivities. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4085.	2.8	16
28	Hydrogen Atom Abstraction Selectivity in the Reactions of Alkylamines with the Benzyloxyl and Cumyloxyl Radicals. The Importance of Structure and of Substrate Radical Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2011, 133, 16625-16634.	13.7	49
29	Understanding Kinetic Solvent Effects on Hydrogen Abstraction Reactions from Carbon by the Cumyloxyl Radical. <i>Organic Letters</i> , 2011, 13, 6110-6113.	4.6	30
30	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.	3.2	17
31	Kinetic Solvent Effects on Hydrogen Abstraction Reactions from Carbon by the Cumyloxyl Radical. The Role of Hydrogen Bonding. <i>Organic Letters</i> , 2010, 12, 3654-3657.	4.6	46
32	Photolysis of 1-Alkylcycloalkanols in the Presence of (Diacetoxyiodo)benzene and I ₂ . Intramolecular Selectivity in the I ² -Scission Reactions of the Intermediate 1-Alkylcycloalkoxy Radicals. <i>Journal of Organic Chemistry</i> , 2004, 69, 5281-5289.	3.2	28
33	Factors Governing Reactivity and Selectivity in Hydrogen Atom Transfer from C(sp ³)-H Bonds of Nitrogen-Containing Heterocycles to the Cumyloxyl Radical. <i>Journal of Organic Chemistry</i> , 0, , .	3.2	6