

Rossella Cc Mello

List of Publications by Year in descending order

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60
papers

2,437
citations

218381

26
h-index

205818

48
g-index

73
all docs

73
docs citations

73
times ranked

1660
citing authors

#	ARTICLE	IF	CITATIONS
1	Photolysis of Tertiary Amines in the Presence of CO ₂ : The Paths to Formic Acid, α -Amino Acids, and 1,2-Diamines. <i>Journal of Organic Chemistry</i> , 2018, 83, 96-103.	1.7	7
2	Photoiodocarboxylation of Activated C=C Double Bonds with CO ₂ and Lithium Iodide. <i>Journal of Organic Chemistry</i> , 2018, 83, 13381-13394.	1.7	12
3	Reactivity of Lithium α -Ketocarboxylates: The Role of Lithium Salts. <i>Journal of the American Chemical Society</i> , 2017, 139, 17414-17420.	6.6	6
4	S _N 1 reactions in supercritical carbon dioxide in the presence of alcohols: the role of preferential solvation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6554-6560.	1.5	8
5	Iodide-Catalyzed Reduction of Carbon Dioxide to Formic Acid with Thiols and Hydrogen Sulfide. <i>ChemSusChem</i> , 2016, 9, 3397-3400.	3.6	7
6	On the ionizing properties of supercritical carbon dioxide: uncatalyzed electrophilic bromination of aromatics. <i>RSC Advances</i> , 2014, 4, 51016-51021.	1.7	12
7	Catalytic Functionalization of Methane and Light Alkanes in Supercritical Carbon Dioxide. <i>Chemistry - A European Journal</i> , 2014, 20, 11013-11018.	1.7	25
8	Inverse solvent effects in the heterogeneous and homogeneous epoxidation of cis-2-heptene with [2-percarboxyethyl]-functionalized silica and meta-chloroperbenzoic acid. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3246-3250.	1.5	2
9	Supercritical Carbon Dioxide: A Promoter of Carbon-Halogen Bond Heterolysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13298-13301.	7.2	11
10	Epoxidation of Olefins with a Silica-Supported Peracid in Supercritical Carbon Dioxide under Flow Conditions. <i>Journal of Organic Chemistry</i> , 2012, 77, 4706-4710.	1.7	20
11	Epoxidation of Olefins with a Silica-Supported Peracid. <i>Journal of Organic Chemistry</i> , 2012, 77, 6409-6413.	1.7	27
12	Reactions at Interfaces: Oxygenation of <i>n</i> -Butyl Ligands Anchored on Silica Surfaces with Methyl(trifluoromethyl)dioxirane. <i>Journal of Organic Chemistry</i> , 2011, 76, 10129-10139.	1.7	14
13	Silver-Catalyzed C-C Bond Formation Between Methane and Ethyl Diazoacetate in Supercritical CO ₂ . <i>Science</i> , 2011, 332, 835-838.	6.0	228
14	Oxidation of Sulfides with a Silica-Supported Peracid in Supercritical Carbon Dioxide under Flow Conditions: Tuning Chemoselectivity with Pressure. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6200-6206.	1.2	23
15	Silica-supported HgSO ₄ /H ₂ SO ₄ : a convenient reagent for the hydration of alkynes under mild conditions. <i>Tetrahedron Letters</i> , 2010, 51, 4281-4283.	0.7	21
16	Baeyer-Villiger oxidation of ketones with a silica-supported peracid in supercritical carbon dioxide under flow conditions. <i>Green Chemistry</i> , 2009, 11, 994.	4.6	25
17	On the Reactivity of C(sp ³)-H Bonds: Oxygenation with Methyl(trifluoromethyl)dioxirane. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 455-466.	1.2	7
18	Analysis of Hybrid Silica Materials with the Aid of Conventional NMR and GC/MS. <i>Analytical Chemistry</i> , 2008, 80, 9355-9359.	3.2	13

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19	A Simple Protocol for the Generation of Methyl(trifluoromethyl)dioxirane. <i>Synlett</i> , 2007, 2007, 0047-0050.	1.0	7
20	Oppenauer Oxidation of Secondary Alcohols with 1,1,1-Trifluoroacetone as Hydride Acceptor. <i>Journal of Organic Chemistry</i> , 2007, 72, 9376-9378.	1.7	30
21	Baeyer-Villiger Oxidation in Supercritical CO ₂ with Potassium Peroxomonosulfate Supported on Acidic Silica Gel. <i>Journal of Organic Chemistry</i> , 2006, 71, 6432-6436.	1.7	36
22	Oxidation of Alcohols to Carbonyl Compounds with CrO ₃ ·SiO ₂ in Supercritical Carbon Dioxide. <i>Journal of Organic Chemistry</i> , 2006, 71, 1039-1042.	1.7	55
23	Oxygenation of Alkane C-H Bonds with Methyl(trifluoromethyl)dioxirane: Effect of the Substituents and the Solvent on the Reaction Rate. <i>ChemInform</i> , 2005, 36, no.	0.1	0
24	Baeyer-Villiger Oxidation with Potassium Peroxomonosulfate Supported on Acidic Silica Gel. <i>Journal of Organic Chemistry</i> , 2005, 70, 10879-10882.	1.7	38
25	Conformational Mobility of Thianthrene-5-oxide. <i>Journal of Organic Chemistry</i> , 2005, 70, 3450-3457.	1.7	2
26	Oxygenation of Alkane C-H Bonds with Methyl(trifluoromethyl)dioxirane: Effect of the Substituents and the Solvent on the Reaction Rate. <i>Journal of Organic Chemistry</i> , 2005, 70, 7919-7924.	1.7	18
27	Mechanism of the Oxidation of Sulfides by Dioxiranes: Conformational Mobility and Transannular Interaction in the Oxidation of Thianthrene 5-Oxide. <i>Journal of Organic Chemistry</i> , 2004, 69, 9090-9099.	1.7	10
28	Mechanism of the Oxidation of Sulfides by Dioxiranes. 1. Intermediacy of a 10-S-4 Hypervalent Sulfur Adduct. <i>Journal of the American Chemical Society</i> , 2002, 124, 9154-9163.	6.6	43
29	Influence of Remote Substituents on the Equatorial/Axial Selectivity in the Monooxygenation of Methylene C-H Bonds of Substituted Cyclohexanes. <i>Journal of the American Chemical Society</i> , 2001, 123, 7487-7491.	6.6	29
30	Synthesis of N-diisopropyl phosphoryl benzyl-tetrahydroisoquinoline, a new class of mitochondrial complexes I and III inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 1491-1494.	1.0	4
31	Hyperconjugative Control by Remote Substituents of Diastereoselectivity in the Oxygenation of Hydrocarbons. <i>Organic Letters</i> , 2000, 2, 831-834.	2.4	15
32	C ₅ H ₇ O ₂ ⁺ Ions: The Correlation between Their Thermochemistry in Acidic Solution and Their Chemistry in the Gas Phase. <i>Journal of Organic Chemistry</i> , 2000, 65, 964-968.	1.7	7
33	Iodomethane Oxidation by Dimethyldioxirane: A New Route to Hypoiodous Acid and Iodohydrines. <i>Organic Letters</i> , 1999, 1, 2125-2128.	2.4	33
34	H-Bonding Interactions in the Epoxidation of Alkenylammonium Salts with Dimethyldioxirane and m-Chloroperbenzoic Acid: A Kinetic Study. <i>Journal of Organic Chemistry</i> , 1999, 64, 4705-4711.	1.7	23
35	The oxidation of alkanes with dimethyldioxirane; a new mechanistic insight. <i>Tetrahedron Letters</i> , 1997, 38, 2373-2376.	0.7	25
36	Oxyfunctionalization of Aliphatic Esters by Methyl(trifluoromethyl)dioxirane. <i>Journal of Organic Chemistry</i> , 1996, 61, 5564-5566.	1.7	34

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37	Eine allgemeine und effiziente Methode zur Monohydroxylierung von Alkanen. <i>Angewandte Chemie</i> , 1996, 108, 196-198.	1.6	9
38	A General and Efficient Method for the Monohydroxylation of Alkanes. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 217-218.	4.4	29
39	Evidence for the involvement of a sulfurane intermediate in the oxidation of simple sulfides by methyl(trifluoromethyl)dioxirane. <i>Tetrahedron Letters</i> , 1996, 37, 2299-2302.	0.7	18
40	Epoxidation of Primary and Secondary Alkenylammonium Salts with Dimethyldioxirane, Methyl(trifluoromethyl)dioxirane, and m-Chloroperbenzoic Acid. A General Synthetic Route to Epoxyalkylamines. <i>Journal of Organic Chemistry</i> , 1995, 60, 3692-3699.	1.7	55
41	Regioselective oxyfunctionalization of unactivated tertiary and secondary carbon-hydrogen bonds of alkylamines by methyl(trifluoromethyl)dioxirane in acid medium. <i>Journal of the American Chemical Society</i> , 1993, 115, 7250-7253.	6.6	99
42	Oxygen atom insertion into the benzylic carbon-hydrogen bond of (R)-(-)-2-phenylbutane by methyl(trifluoromethyl)dioxirane: an efficient and mild regio- and stereoselective synthesis of (S)-(-)-2-phenyl-2-butanol. <i>Journal of Organic Chemistry</i> , 1992, 57, 953-955.	1.7	48
43	One-electron reduction of methyl(trifluoromethyl)dioxirane by iodide ion. Evidence for an electron-transfer chain reaction mediated by the superoxide ion. <i>Journal of the American Chemical Society</i> , 1992, 114, 8345-8349.	6.6	41
44	Oxidation of acetals, an orthoester, and ethers by dioxiranes through α -CH insertion. <i>Tetrahedron Letters</i> , 1992, 33, 4225-4228.	0.7	62
45	Oxidation of alkynes by dioxiranes. <i>Tetrahedron Letters</i> , 1992, 33, 7929-7932.	0.7	48
46	One electron transfer chain decomposition of trifluoroacetone diperoxide: The first 1,2,4,5-tetroxane with O-transfer capability. <i>Tetrahedron Letters</i> , 1992, 33, 5833-5836.	0.7	21
47	Photolysis of dioxiranes in the presence of a nitroxide radical scavenger: the intermediacy of radical anion and diyl species in the production and trapping of methyl and trifluoromethyl radicals. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 771.	2.0	20
48	Oxidations by methyl(trifluoromethyl)dioxirane. 5. Conversion of alcohols into carbonyl compounds. <i>Journal of the American Chemical Society</i> , 1991, 113, 2205-2208.	6.6	79
49	Thermally and photochemically initiated radical chain decomposition of ketone-free methyl(trifluoromethyl)dioxirane. <i>Journal of the American Chemical Society</i> , 1991, 113, 7654-7658.	6.6	88
50	Oxidation of catechol and of 2,6-di-tert-butylphenol by dioxiranes. <i>Tetrahedron Letters</i> , 1991, 32, 5445-5448.	0.7	39
51	Oxidations by methyl(trifluoromethyl)dioxirane. 3. Selective polyoxyfunctionalization of adamantane. <i>Tetrahedron Letters</i> , 1990, 31, 3067-3070.	0.7	72
52	Oxidations by methyl(trifluoromethyl)dioxirane. 4.1 oxyfunctionalization of aromatic hydrocarbons. <i>Tetrahedron Letters</i> , 1990, 31, 6097-6100.	0.7	57
53	O-Atom Insertion into Si-H Bonds by Dioxiranes: A Stereospecific and Direct Conversion of Silanes into Silanols. <i>Angewandte Chemie International Edition in English</i> , 1990, 29, 890-891.	4.4	103
54	O-Atom Insertion in Si-CH ₃ Bindungen mit Hilfe von Dioxiranen: Eine stereospezifische und direkte Umwandlung von Silanen in Silanole. <i>Angewandte Chemie</i> , 1990, 102, 916-917.	1.6	39

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55	Oxidations by methyl trifluoromethyl dioxirane. Epoxidation of enol ethers. Tetrahedron Letters, 1989, 30, 257-260.	0.7	51
56	Oxidations by methyl(trifluoromethyl)dioxirane. 2. Oxyfunctionalization of saturated hydrocarbons. Journal of the American Chemical Society, 1989, 111, 6749-6757.	6.6	293
57	Oxidation of tertiary amines by chromium(VI) oxide diperoxide. Journal of the Chemical Society Perkin Transactions II, 1989, , 417.	0.9	16
58	On the isolation and characterization of methyl (trifluoromethyl) dioxirane. Journal of Organic Chemistry, 1988, 53, 3890-3891.	1.7	173
59	Oxygen-17 and carbon-13 identification of the dimethyldioxirane intermediate arising in the reaction of potassium caroate with acetone. Journal of Organic Chemistry, 1987, 52, 699-700.	1.7	81
60	On the reactivity of silylperoxides. Tetrahedron, 1986, 42, 877-883.	1.0	15