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List of Publications by Year
in descending order

46 papers	1,404 citations	304743 22 h-index	345221 36 g-index
53 all docs	53 docs citations	53 times ranked	1343 citing authors

#	Article	IF	Citations
1	Photolysis of Tertiary Amines in the Presence of CO₂: The Paths to Formic Acid, Î±-Amino Acids, and 1,2-Diamines. Journal of Organic Chemistry, 2018, 83, 96-103.	3.2	7
2	Photoiodocarboxylation of Activated Câ•C Double Bonds with CO₂ and Lithium Iodide. Journal of Organic Chemistry, 2018, 83, 13381-13394.	3.2	12
3	Reactivity of Lithium Î²-Ketocarboxylates: The Role of Lithium Salts. Journal of the American Chemical Society, 2017, 139, 17414-17420.	13.7	6
4	S_N1 reactions in supercritical carbon dioxide in the presence of alcohols: the role of preferential solvation. Organic and Biomolecular Chemistry, 2016, 14, 6554-6560.	2.8	8
5	Iodideâ€Photocatalyzed Reduction of Carbon Dioxide to Formic Acid with Thiols and Hydrogen Sulfide. ChemSusChem, 2016, 9, 3397-3400.	6.8	7
6	On the ionizing properties of supercritical carbon dioxide: uncatalyzed electrophilic bromination of aromatics. RSC Advances, 2014, 4, 51016-51021.	3.6	12
7	Catalytic Functionalization of Methane and Light Alkanes in Supercritical Carbon Dioxide. Chemistry - A European Journal, 2014, 20, 11013-11018.	3.3	25
8	Inverse solvent effects in the heterogeneous and homogeneous epoxidation of cis-2-heptene with [2-percarboxyethyl]-functionalized silica and meta-chloroperbenzoic acid. Organic and Biomolecular Chemistry, 2014, 12, 3246-3250.	2.8	2
9	Supercritical Carbon Dioxide: A Promoter of Carbonâ€“Halogen Bond Heterolysis. Angewandte Chemie - International Edition, 2013, 52, 13298-13301.	13.8	11
10	Epoxidation of Olefins with a Silica-Supported Peracid in Supercritical Carbon Dioxide under Flow Conditions. Journal of Organic Chemistry, 2012, 77, 4706-4710.	3.2	20
11	Epoxidation of Olefins with a Silica-Supported Peracid. Journal of Organic Chemistry, 2012, 77, 6409-6413.	3.2	27
12	Reactions at Interfaces: Oxygenation of<i>n</i>-Butyl Ligands Anchored on Silica Surfaces with Methyl(trifluoromethyl)dioxirane. Journal of Organic Chemistry, 2011, 76, 10129-10139.	3.2	14
13	Silver-Catalyzed C-C Bond Formation Between Methane and Ethyl Diazoacetate in Supercritical CO ₂. Science, 2011, 332, 835-838.	12.6	228
14	Oxidation of Sulfides with a Silicaâ€Supported Peracid in Supercritical Carbon Dioxide under Flow Conditions: Tuning Chemoselectivity with Pressure. European Journal of Organic Chemistry, 2010, 2010, 6200-6206.	2.4	23
15	Silica-supported HgSO4/H2SO4: a convenient reagent for the hydration of alkynes under mild conditions. Tetrahedron Letters, 2010, 51, 4281-4283.	1.4	21
16	Baeyerâ€“Villiger oxidation of ketones with a silica-supported peracid in supercritical carbon dioxide under flow conditions. Green Chemistry, 2009, 11, 994.	9.0	25
17	On the Reactivity of C(sp³)â€“H Ïƒâ€Bonds: Oxygenation with Methyl(trifluoromethyl)Âdioxirane. European Journal of Organic Chemistry, 2008, 2008, 455-466.	2.4	7
18	Analysis of Hybrid Silica Materials with the Aid of Conventional NMR and GC/MS. Analytical Chemistry, 2008, 80, 9355-9359.	6.5	13

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19	A Simple Protocol for the Generation of Methyl(trifluoromethyl)dioxirane. Synlett, 2007, 2007, 0047-0050.	1.8	7
20	Oppenauer Oxidation of Secondary Alcohols with 1,1,1-Trifluoroacetone as Hydride Acceptor. Journal of Organic Chemistry, 2007, 72, 9376-9378.	3.2	30
21	Baeyerâ^'Villiger Oxidation in Supercritical CO2with Potassium Peroxomonosulfate Supported on Acidic Silica Gel. Journal of Organic Chemistry, 2006, 71, 6432-6436.	3.2	36
22	Oxidation of Alcohols to Carbonyl Compounds with CrO3Â·SiO2in Supercritical Carbon Dioxide. Journal of Organic Chemistry, 2006, 71, 1039-1042.	3.2	55
23	Baeyerâ^'Villiger Oxidation with Potassium Peroxomonosulfate Supported on Acidic Silica Gel. Journal of Organic Chemistry, 2005, 70, 10879-10882.	3.2	38
24	Conformational Mobility of Thianthrene-5-oxide. Journal of Organic Chemistry, 2005, 70, 3450-3457.	3.2	2
25	Oxygenation of Alkane Câ^'H Bonds with Methyl(trifluoromethyl)dioxirane:Â Effect of the Substituents and the Solvent on the Reaction Rate. Journal of Organic Chemistry, 2005, 70, 7919-7924.	3.2	18
26	Mechanism of the Oxidation of Sulfides by Dioxiranes:Â Conformational Mobility and Transannular Interaction in the Oxidation of Thianthrene 5-Oxide. Journal of Organic Chemistry, 2004, 69, 9090-9099.	3.2	10
27	Mechanism of the Oxidation of Sulfides by Dioxiranes. 1. Intermediacy of a 10-S-4 Hypervalent Sulfur Adduct. Journal of the American Chemical Society, 2002, 124, 9154-9163.	13.7	43
28	Influence of Remote Substituents on the Equatorial/Axial Selectivity in the Monooxygenation of Methylene Câ^'H Bonds of Substituted Cyclohexanes. Journal of the American Chemical Society, 2001, 123, 7487-7491.	13.7	29
29	Hyperconjugative Control by Remote Substituents of Diastereoselectivity in the Oxygenation of Hydrocarbons. Organic Letters, 2000, 2, 831-834.	4.6	15
30	Iodomethane Oxidation by Dimethyldioxirane:Â A New Route to Hypoiodous Acid and Iodohydrines. Organic Letters, 1999, 1, 2125-2128.	4.6	33
31	Synthesis, Characterization, and Catalysis of Î²3-[(CoIIO4)W11O31(O2)4],10-the First Keggin-Based True Heteropoly Dioxygen (Peroxo) Anion. Spectroscopic (ESR, IR) Evidence for the Formation of Superoxo Polytungstates. Journal of the American Chemical Society, 1999, 121, 977-984.	13.7	53
32	H-Bonding Interactions in the Epoxidation of Alkenylammonium Salts with Dimethyldioxirane andm-Chloroperbenzoic Acid:Â A Kinetic Study. Journal of Organic Chemistry, 1999, 64, 4705-4711.	3.2	23
33	The oxidation of alkanes with dimethyldioxirane; a new mechanistic insight. Tetrahedron Letters, 1997, 38, 2373-2376.	1.4	25
34	Oxyfunctionalization of Aliphatic Esters by Methyl(trifluoromethyl)dioxirane. Journal of Organic Chemistry, 1996, 61, 5564-5566.	3.2	34
35	Eine allgemeine und effiziente Methode zur Monohydroxylierung von Alkanen. Angewandte Chemie, 1996, 108, 196-198.	2.0	9
36	A General and Efficient Method for the Monohydroxylation of Alkanes. Angewandte Chemie International Edition in English, 1996, 35, 217-218.	4.4	29

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37	Evidence for the involvement of a sulfurane intermediate in the oxidation of simple sulfides by methyl(trifluoromethyl)dioxirane. Tetrahedron Letters, 1996, 37, 2299-2302.	1.4	18
38	Epoxidation of Primary and Secondary Alkenylammonium Salts with Dimethyldioxirane, Methyl(trifluoromethyl)dioxirane, and m-Chloroperbenzoic Acid. A General Synthetic Route to Epoxyalkylamines. Journal of Organic Chemistry, 1995, 60, 3692-3699.	3.2	55
39	Regioselective oxyfunctionalization of unactivated tertiary and secondary carbon-hydrogen bonds of alkylamines by methyl(trifluoromethyl)dioxirane in acid medium. Journal of the American Chemical Society, 1993, 115, 7250-7253.	13.7	99
40	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. Journal of Organic Chemistry, 1992, 57, 953-955.	3.2	48
41	One-electron reduction of methyl(trifluoromethyl)dioxirane by iodide ion. Evidence for an electron-transfer chain reaction mediated by the superoxide ion. Journal of the American Chemical Society, 1992, 114, 8345-8349.	13.7	41
42	Oxidation of acetals, an orthoester, and ethers by dioxiranes through Î±-CH insertion. Tetrahedron Letters, 1992, 33, 4225-4228.	1.4	62
43	One electron transfer chain decomposition of trifluoroacetone diperoxide: The first 1,2,4,5-tetroxane with O-transfer capability. Tetrahedron Letters, 1992, 33, 5833-5836.	1.4	21
44	Thermally and photochemically initiated radical chain decomposition of ketone-free methyl(trifluoromethyl)dioxirane. Journal of the American Chemical Society, 1991, 113, 7654-7658.	13.7	88
45	Oxygen transfer by dissociative electron transfer. Reaction of tetranitromethane with diazo compounds and sulfides. Tetrahedron, 1991, 47, 3773-3778.	1.9	9
46	First evidence of a single electron transfer process from a two-heteroatom-centred anion. Easy generation of amidyl radicals. Journal of the Chemical Society Chemical Communications, 1987, , 263.	2.0	2