

Xavier Creary

List of Publications by Year in descending order

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66
papers

1,986
citations

279798

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265206

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docs citations

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times ranked

1458
citing authors

#	ARTICLE	IF	CITATIONS
1	The Nature of Azo-Substituted Carbocations: N ⁺ -N ⁻ -Electron Stabilization versus Nitrogen Nonbonding Electron Stabilization. Journal of Organic Chemistry, 2022, 87, 2241-2254.	3.2	2
2	3- <i>t</i> -Butyl-1-methylcyclobutyl Cation. Experimental vs Computational Insights into Tertiary Bicyclobutonium Cations. Journal of Organic Chemistry, 2020, 85, 7086-7096.	3.2	7
3	The cyclopropylcarbinyl route to β^3 -silyl carbocations. Beilstein Journal of Organic Chemistry, 2019, 15, 1769-1780.	2.2	9
4	Cobalt- and Silver-Promoted Methylenecyclopropane Rearrangements. Journal of Organic Chemistry, 2018, 83, 136-144.	3.2	4
5	Electronic Properties of Triazoles. Experimental and Computational Determination of Carbocation and Radical-Stabilizing Properties. Journal of Organic Chemistry, 2017, 82, 5720-5730.	3.2	13
6	3-Trimethylsilylcycloalkylidenes. β^3 -Silyl vs β^3 -Hydrogen Migration to Carbene Centers. Journal of Organic Chemistry, 2015, 80, 11378-11387.	3.2	2
7	β^3 -Trimethylsilylcyclobutyl Carbocation Stabilization. Journal of Organic Chemistry, 2015, 80, 1781-1788.	3.2	8
8	β^3 -Silyl-Substituted Norbornyl Carbocations and Carbenes. Journal of Organic Chemistry, 2014, 79, 2547-2555.	3.2	8
9	3-Trimethylsilylcyclobutylidene. The β^3 -Effect of Silicon on Carbenes. Journal of the American Chemical Society, 2013, 135, 6570-6578.	13.7	10
10	Method for Assigning Structure of 1,2,3-Triazoles. Journal of Organic Chemistry, 2012, 77, 8756-8761.	3.2	122
11	Photochemical Behavior of Cyclopropyl-Substituted Benzophenones and Valerophenones. Journal of Organic Chemistry, 2011, 76, 2062-2071.	3.2	9
12	β^3 -Silyl Cyclobutyl Carbocations. Journal of Organic Chemistry, 2009, 74, 9044-9053.	3.2	15
13	Systematic Repression of β^2 -Silyl Carbocation Stabilization. Journal of Organic Chemistry, 2009, 74, 2134-2144.	3.2	21
14	Hydroxy- β^2 -Thiolactams to Oxazole-2-thiones. A Novel DMSO-Promoted Oxidation. Organic Letters, 2008, 10, 4975-4978.	4.6	12
15	Triplet Energy Dissipation in Methylenecyclopropane Rearrangement. Journal of Organic Chemistry, 2007, 72, 7930-7938.	3.2	12
16	Homoallyl β^3 -Cyclopropylcarbinyl Cation Manifold. Trimethylsilyl versus Aryl Stabilization. Journal of Organic Chemistry, 2007, 72, 3360-3368.	3.2	16
17	Super Radical Stabilizers. Accounts of Chemical Research, 2006, 39, 761-771.	15.6	75
18	Carbocation-Forming Reactions in Ionic Liquids. Journal of the American Chemical Society, 2005, 127, 18114-18120.	13.7	61

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19	Remarkably Facile Solvolyses of Triflates via Carbocationic Processes in Dimethyl Sulfoxide. Journal of Organic Chemistry, 2004, 69, 1227-1234.	3.2	12
20	Carbocation-Forming Reactions in Dimethyl Sulfoxide.. ChemInform, 2003, 34, no.	0.0	0
21	Stabilized and Destabilized Carbocations in the 1,6-Methano[10]annulene Series. Journal of Organic Chemistry, 2003, 68, 8683-8692.	3.2	12
22	Carbocation-Forming Reactions in Dimethyl Sulfoxide. Journal of Organic Chemistry, 2003, 68, 1117-1127.	3.2	28
23	1,6-Methano[10]annulene-Stabilized Radicals. Organic Letters, 2002, 4, 3493-3496.	4.6	11
24	$\hat{\text{I}}^2$ -Silylcarbenes from Isolable Diazosilanes. Journal of Organic Chemistry, 2002, 67, 112-118.	3.2	23
25	The Bicyclo[2.2.2]octyl Carbene System as a Probe for Migratory Aptitudes of Hydrogen to Carbenic Centers. Journal of the American Chemical Society, 2001, 123, 1569-1578.	13.7	16
26	$\hat{\text{I}}^2$ -Trimethylsilyl Cyclopropylcarbenes. Journal of Organic Chemistry, 2001, 66, 1115-1121.	3.2	22
27	Electronic properties of the nitron substituent. Stabilization of benzylic carbocations. Journal of Physical Organic Chemistry, 2001, 14, 97-102.	1.9	3
28	Effect of oxime substituents on 9-fluorenyl carbocations. Journal of Physical Organic Chemistry, 2000, 13, 337-343.	1.9	8
29	Radical Stabilizing Ability of the Ferrocenyl and Cyclobutadieneiron Tricarbonyl Groups. Organic Letters, 2000, 2, 2069-2072.	4.6	18
30	A New Twist on the Iodine Clock Reaction: Determining the Order of a Reaction. Journal of Chemical Education, 1999, 76, 530.	2.3	8
31	Facile Autoxidation of 2-(4-Hydroxy-phenyl)-3,3-dimethylmethylenecyclopropane. The Radical Stabilizing Ability of the Phenoxide Group. Organic Letters, 1999, 1, 1615-1618.	4.6	9
32	Methylenecyclopropane Rearrangement as a Probe for Free Radical Substituent Effects. $\hat{\text{I}}^f$ Values for Potent Radical-Stabilizing Nitrogen-Containing Substituents. Journal of Organic Chemistry, 1999, 64, 5634-5643.	3.2	29
33	Foiled Conjugation in $\hat{\text{I}}^\pm$ -Oximino Carbocations. Journal of Organic Chemistry, 1996, 61, 3482-3489.	3.2	11
34	Carbocations in the $\hat{\text{I}}^2$ -Lactam and $\hat{\text{I}}^2$ -Thiolactam Series. Journal of the American Chemical Society, 1996, 118, 12331-12338.	13.7	16
35	Silyl-substituted cyclopropyl carbenoids. Tetrahedron Letters, 1996, 37, 579-582.	1.4	21
36	α -Imino and α -Oximino Carbocations. A Comparison with α -Carbonyl and α -Thiocarbonyl Carbocations. Journal of the American Chemical Society, 1995, 117, 3044-3053.	13.7	24

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37	Formation and Cyclization of Acyl Thioamides. A Novel .beta.-Lactam Forming Process. Journal of the American Chemical Society, 1995, 117, 5859-5860.	13.7	29
38	Silyl-substituted carbenes. Journal of Organic Chemistry, 1994, 59, 1604-1605.	3.2	15
39	A Simple Method for Determination of Solvolysis Rates by ¹ H NMR. Journal of Organic Chemistry, 1994, 59, 5106-5108.	3.2	24
40	Solvolytic elimination reactions. Stepwise or concerted?. Journal of the American Chemical Society, 1993, 115, 1734-1738.	13.7	9
41	Solvolytic elimination reactions of tertiary .alpha.-CSNMe ₂ -substituted systems. Journal of Organic Chemistry, 1992, 57, 1887-1897.	3.2	20
42	Solvolytic kinetic studies by fluorine-19 NMR. Journal of Organic Chemistry, 1992, 57, 4761-4765.	3.2	15
43	Variable electronic properties of the CSNMe ₂ thioamide group. Journal of Organic Chemistry, 1991, 56, 4280-4285.	3.2	17
44	Electronegatively substituted carbocations. Chemical Reviews, 1991, 91, 1625-1678.	47.7	159
45	¹² -Silyl carbenes. Tetrahedron Letters, 1989, 30, 2493-2496.	1.4	31
46	A comparison of the radical-stabilizing ability of aromatic groups. .gamma..bul. values for aromatic groups. Journal of Organic Chemistry, 1989, 54, 2904-2910.	3.2	34
47	Reaction of organometallic reagents with ethyl trifluoroacetate and diethyl oxalate. Formation of trifluoromethyl ketones and .alpha.-keto esters via stable tetrahedral adducts. Journal of Organic Chemistry, 1987, 52, 5026-5030.	3.2	167
48	Methylenecyclopropane rearrangement as a probe for free radical substituent effects. .sigma..bul. Values for commonly encountered conjugating and organometallic groups. Journal of Organic Chemistry, 1987, 52, 3254-3263.	3.2	145
49	Nature of cationic intermediates derived from .alpha.-thiophosphoryl and .alpha.-thiocarbonyl mesylates. Neighboring thiophosphoryl and thiocarbonyl participation. Journal of Organic Chemistry, 1986, 51, 7-15.	3.2	22
50	Oxygen-17 and oxygen-18 labeling studies by NMR. Mechanism of rearrangement of an .alpha.-thiophosphoryl trifluoroacetate to an .alpha.-phosphoryl thiotrifluoroacetate. Journal of the American Chemical Society, 1986, 108, 5979-5983.	13.7	13
51	Stabilization demands of diethyl phosphonate substituted carbocations as revealed by substituent effects. Journal of Organic Chemistry, 1985, 50, 2165-2170.	3.2	37
52	Nucleofugality of the sulfinate group in carbocation-forming processes. Journal of Organic Chemistry, 1985, 50, 5080-5084.	3.2	30
53	Response of triflates to solvent ionizing power. A YOTf scale based on 7-norbornyl triflate. Journal of Organic Chemistry, 1985, 50, 474-479.	3.2	16
54	Carbocationic and related processes in reactions of .alpha.-keto mesylates and triflates. Accounts of Chemical Research, 1985, 18, 3-8.	15.6	70

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55	Competing k_c , borderline, k_s , and carbonyl addition processes in solvolyses of α -keto mesylates and triflates. α -Keto cations. 5. Journal of the American Chemical Society, 1984, 106, 5568-5577.	13.7	39
56	Mesylate derivatives of α -hydroxy phosphonates. Formation of carbocations adjacent to the diethyl phosphonate group. Journal of the American Chemical Society, 1983, 105, 2851-2858.	13.7	55
57	Properties of α -keto cations. Facile generation under solvolytic conditions. Journal of the American Chemical Society, 1982, 104, 4151-4162.	13.7	80
58	Regioselectivity in the addition of singlet and triplet carbenes to 1,1-dimethylallene. A probe for carbene multiplicity. Journal of the American Chemical Society, 1980, 102, 1611-1618.	13.7	42
59	Rearrangement of 2-aryl-3,3-dimethylmethylenecyclopropanes. Substituent effects on a nonpolar radical-like transition state. Journal of Organic Chemistry, 1980, 45, 280-284.	3.2	69
60	Reactions of pivaloin derivatives with lithium tetramethylpiperidide. Journal of Organic Chemistry, 1980, 45, 2419-2425.	3.2	30
61	Generation of α -keto cations. Quantitative aspects. Journal of Organic Chemistry, 1979, 44, 3938-3945.	3.2	40
62	Addition of carbenes to 1,1-dimethylallene. Formation and rearrangement of substituted methylenecyclopropanes. Journal of Organic Chemistry, 1978, 43, 1777-1783.	3.2	21
63	Rearrangements of α -hydroxy ketals and derivatives of α -hydroxy ketals. Journal of Organic Chemistry, 1977, 42, 4231-4238.	3.2	24
64	Sigma assisted versus unassisted pathways in the ionization of tertiary cyclopropyl triflates. Journal of Organic Chemistry, 1976, 41, 3734-3739.	3.2	16
65	Secondary deuterium isotope effects in the solvolysis of cyclopropyl triflates. Journal of Organic Chemistry, 1976, 41, 3740-3743.	3.2	16
66	Cyclopropyl triflates. Neighboring-group and solvent effects. Journal of the American Chemical Society, 1976, 98, 6608-6613.	13.7	23