

Anthony J Arduengo, Iii

List of Publications by Year in descending order

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59
papers

12,017
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109321

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118850

62
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65
all docs

65
docs citations

65
times ranked

5770
citing authors

#	ARTICLE	IF	CITATIONS
1	A stable crystalline carbene. <i>Journal of the American Chemical Society</i> , 1991, 113, 361-363.	13.7	3,771
2	Looking for Stable Carbenes: The Difficulty in Starting Anew. <i>Accounts of Chemical Research</i> , 1999, 32, 913-921.	15.6	1,132
3	Electronic stabilization of nucleophilic carbenes. <i>Journal of the American Chemical Society</i> , 1992, 114, 5530-5534.	13.7	1,090
4	Imidazolylidenes, imidazolinyliidenes and imidazolidines. <i>Tetrahedron</i> , 1999, 55, 14523-14534.	1.9	904
5	A stable diaminocarbene. <i>Journal of the American Chemical Society</i> , 1995, 117, 11027-11028.	13.7	429
6	Homoleptic carbene-silver(I) and carbene-copper(I) complexes. <i>Organometallics</i> , 1993, 12, 3405-3409.	2.3	387
7	Photoelectron Spectroscopy of a Carbene/Silylene/Germylene Series. <i>Journal of the American Chemical Society</i> , 1994, 116, 6641-6649.	13.7	330
8	An Air Stable Carbene and Mixed Carbene "Dimers". <i>Journal of the American Chemical Society</i> , 1997, 119, 12742-12749.	13.7	304
9	Low-Coordinate Carbene Complexes of Nickel(0) and Platinum(0). <i>Journal of the American Chemical Society</i> , 1994, 116, 4391-4394.	13.7	271
10	Carbenes Introduction. <i>Chemical Reviews</i> , 2009, 109, 3209-3210.	47.7	233
11	Electronic structure of a stable nucleophilic carbene. <i>The Journal of Physical Chemistry</i> , 1991, 95, 4180-4182.	2.9	217
12	A Stable Thiazolene Ylidene and Its Dimer. <i>Liebigs Annalen</i> , 1997, 1997, 365-374.	0.8	215
13	Carbene-Pnictinidene Adducts. <i>Inorganic Chemistry</i> , 1997, 36, 2151-2158.	4.0	213
14	A stable carbene-alane adduct. <i>Journal of the American Chemical Society</i> , 1992, 114, 9724-9725.	13.7	205
15	Electron Distribution in a Stable Carbene. <i>Journal of the American Chemical Society</i> , 1994, 116, 6812-6822.	13.7	204
16	Carbene adducts of magnesium and zinc. <i>Journal of Organometallic Chemistry</i> , 1993, 462, 13-18.	1.8	150
17	Synthesis of a reverse ylide from a nucleophilic carbene. <i>Journal of the American Chemical Society</i> , 1991, 113, 9704-9705.	13.7	148
18	Adducts of Carbenes with Group II and XII Metallocenes. <i>Organometallics</i> , 1998, 17, 3375-3382.	2.3	145

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19	Chemical Shielding Tensor of a Carbene. <i>Journal of the American Chemical Society</i> , 1994, 116, 6361-6367.	13.7	134
20	A carbene germanium diiodide adduct: model of the non-least-motion pathway for dimerization of singlet carbenes. <i>Inorganic Chemistry</i> , 1993, 32, 1541-1542.	4.0	125
21	Carbene-Lanthanide Complexes. <i>Journal of the American Chemical Society</i> , 1994, 116, 7927-7928.	13.7	107
22	A Carbene-Phosphinidene Adduct: Phosphaalkene. <i>Chemistry Letters</i> , 1997, 26, 143-144.	1.3	107
23	Fused polycyclic nucleophilic carbenes synthesis, structure, and function. <i>Dalton Transactions</i> , 2009, , 6903.	3.3	99
24	A Bis(carbene) Adduct of Iodine(1+). <i>Journal of the American Chemical Society</i> , 1994, 116, 3625-3626.	13.7	80
25	A Stable Dirhodium Tetracarboxylate Carbenoid: Crystal Structure, Bonding Analysis, and Catalysis. <i>Journal of the American Chemical Society</i> , 2001, 123, 11318-11319.	13.7	74
26	A Bimetallic Complex Containing a Cyclopentadienyl-Annulated Imidazol-2-ylidene. <i>Journal of the American Chemical Society</i> , 2005, 127, 16400-16401.	13.7	65
27	Carbene-Lithium Interactions. <i>Chemistry Letters</i> , 1999, 28, 1021-1022.	1.3	60
28	On the proposed existence of a ketene derived from carbon monoxide and 1,3-di-1-adamantylimidazol-2-ylidene. <i>Tetrahedron Letters</i> , 1995, 36, 645-648.	1.4	52
29	Xylochemistry Making Natural Products Entirely from Wood. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14187-14189.	13.8	49
30	Accurate Heats of Formation of the Arduengo-Type Carbene and Various Adducts Including H ₂ from ab Initio Molecular Orbital Theory. <i>Journal of Physical Chemistry A</i> , 2006, 110, 1968-1974.	2.5	48
31	A Carbene-Phosphorus(V) Adduct. <i>Journal of the American Chemical Society</i> , 1997, 119, 3381-3382.	13.7	46
32	Diazotetrakis(trifluoromethyl)cyclopentadiene and ylides of electronegative elements. <i>Journal of the American Chemical Society</i> , 1983, 105, 3563-3567.	13.7	44
33	The Generation of a Metallocene-Fused Imidazol-2-ylidene and Its Mercury Complex. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7240-7244.	13.8	44
34	Synthesis of Backbone P-Functionalized Imidazol-2-ylidene Complexes: En Route to Novel Functional Ionic Liquids. <i>Inorganic Chemistry</i> , 2012, 51, 10408-10416.	4.0	44
35	Investigation of a mercury(II) carbene complex: bis(1,3-dimethylimidazol-2-ylidene) mercury chloride. , 1996, 7, 421-426.		39
36	A Tris(trifluoromethyl)antimony Adduct of a Nucleophilic Carbene: Geometric Distortions in Carbene Adducts. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1999, 625, 1813-1817.	1.2	32

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37	Role of Electronegative Substituents on the Bond Energies in the Grubbs Metathesis Catalysts for M = Fe, Ru, Os. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13563-13577.	3.1	30
38	Synthesis and Complexes of Fluoroalkoxy Carbenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5110-5114.	13.8	29
39	Reaction of tetramethylimidazol-2-ylidene with (TptBu,Me)YbE(thf) (E=I, CH ₂ SiMe ₃): simple adduct and a hydrocarbonyl tethered carbene ligand. <i>Journal of Alloys and Compounds</i> , 2006, 418, 184-188.	5.5	23
40	Asymmetric One-Pot Synthesis of (3 <i>R</i> ,3 <i>S</i> ,6 <i>R</i>)-Hexahydrofuro[2,3- <i>b</i>]furan-3-ol: A Key Component of Current HIV Protease Inhibitors. <i>Journal of Organic Chemistry</i> , 2017, 82, 1218-1223.	3.2	20
41	A zwitterionic cyclopentadienyl annulated imidazolium salt. <i>Tetrahedron Letters</i> , 2005, 46, 6847-6850.	1.4	19
42	Examples of xylochemistry: colorants and polymers. <i>Green Chemistry</i> , 2017, 19, 3780-3786.	9.0	17
43	An Efficient Synthesis of Tenofovir (PMPA): A Key Intermediate Leading to Tenofovir-Based HIV Medicines. <i>Organic Process Research and Development</i> , 2020, 24, 1420-1427.	2.7	15
44	Characterization of Carbenes via Hydrogenation Energies, Stability, and Reactivity: What's in a Name?. <i>Chemistry - A European Journal</i> , 2017, 23, 17556-17565.	3.3	11
45	Lewis Acidity and Basicity: Another Measure of Carbene Reactivity. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6096-6103.	2.5	11
46	Synthesis of Bis(imidazole-2-ylthio)phosphanes. <i>Heteroatom Chemistry</i> , 2012, 23, 513-519.	0.7	10
47	When Sterics Overcome Electronics: An Unusual Haptotropic P ⁺ N Pentacarbonyl tungsten Shift. <i>Organometallics</i> , 2011, 30, 84-91.	2.3	9
48	Carbene Adducts of Dimethylcadmium. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1999, 54, 1350-1356.	0.7	8
49	Fused Spirocyclic Imidazolone Ketals. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10871-10873.	13.8	8
50	Reactions of imidazol(in)-2-ylidenes with electron deficient fluoroolefins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 527-534.	1.6	8
51	N-Heterocyclic Carbenes. <i>Australian Journal of Chemistry</i> , 2011, 64, 1106.	0.9	5
52	Xylochemicals and where to find them. <i>Chemical Communications</i> , 2021, 57, 9979-9994.	4.1	5
53	Synthesis of 5-Fluorocytosine Using 2-Cyano-2-fluoroethenolate as a Key Intermediate. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5519-5526.	2.4	4
54	Bond Dissociation Energies of Carbene and Carbene Main Group Adducts. <i>Journal of Physical Chemistry A</i> , 2022, 126, 2658-2669.	2.5	4

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55	Studies on Stable 1,3-Diphosphacyclobutane-2,4-diyls. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 335-339.	1.6	3
56	NMR Studies of 1-tert-Butyl-3-methyl-2,4-bis(2,4,6-tri-tert-butylphenyl)-1,3-diphosphacyclobutane-2,4-diyl. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 845-846.	1.6	2
57	Backbone Phosphonamide-Functionalized Imidazol-2-ylidene Complexes. Australian Journal of Chemistry, 2016, 69, 1186.	0.9	2
58	Modeling the Direct Activation of Dihydrogen by a P2C2-Cyclic Biradical: Formation of a Cyclic Bis(P-H) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	1
59	Diverse Reactions of Sterically Protected 1,3-Diphosphacyclobutane-2,4-diyls with Hydride. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 756-757.	1.6	0