Rodolphe Jazzar

List of Publications by Year
in descending order

65 papers	6,588 citations	76196 40 h-index	88477 70 g-index
87 all docs	87 docs citations	87 times ranked	4772 citing authors

#	Article	IF	Citations
1	Cyclic (Alkyl)(amino)carbenes: Synthesis of Iminium Precursors and Structural Properties. Journal of Organic Chemistry, 2022, 87, 3511-3518.	1.7	22
2	(CAAC)Copper Catalysis Enables Regioselective Three-Component Carboboration of Terminal Alkynes. ACS Catalysis, 2022, 12, 7243-7247.	5.5	21
3	Cyclic (Alkyl)(amino)carbene Ligands Enable Cuâ€Catalyzed Markovnikov Protoboration and Protosilylation of Terminal Alkynes: A Versatile Portal to Functionalized Alkenes**. Angewandte Chemie - International Edition, 2021, 60, 19871-19878.	7.2	35
4	Cyclic (Alkyl)(amino)carbene Ligands Enable Cuâ€Catalyzed Markovnikov Protoboration and Protosilylation of Terminal Alkynes: A Versatile Portal to Functionalized Alkenes**. Angewandte Chemie, 2021, 133, 20024-20031.	1.6	1
5	Cyclic (Alkyl)(amino)carbenes (CAACs) in Ruthenium Olefin Metathesis. ACS Catalysis, 2021, 11, 1714-1748.	5.5	67
6	Stable Singlet Carbenes as Organic Superbases. Angewandte Chemie - International Edition, 2021, 60, 27253-27257.	7.2	15
7	Realizing Metal-Free Carbene-Catalyzed Carbonylation Reactions with CO. Journal of the American Chemical Society, 2020, 142, 18336-18340.	6.6	29
8	Optically Pure C₁-Symmetric Cyclic(alkyl)(amino)carbene Ruthenium Complexes for Asymmetric Olefin Metathesis. Journal of the American Chemical Society, 2020, 142, 19895-19901.	6.6	34
9	Absolute Templating of M(111) Cluster Surrogates by Galvanic Exchange. Journal of the American Chemical Society, 2020, 142, 16479-16485.	6.6	24
10	The Influence of C(sp 3)Hâ€“Selenium Interactions on the 77 Seâ€…NMR Quantification of the Ï€â€Accepting Properties of Carbenes. Angewandte Chemie, 2020, 132, 22212-22217.	1.6	23
11	The Influence of C(sp³)Hâ€“Selenium Interactions on the ⁷⁷Seâ€…NMR Quantification of the Ï€â€Accepting Properties of Carbenes. Angewandte Chemie - International Edition, 2020, 59, 22028-22033.	7.2	51
12	Cyclic (Alkyl)- and (Aryl)-(amino)carbene Coinage Metal Complexes and Their Applications. Chemical Reviews, 2020, 120, 4141-4168.	23.0	196
13	Influence of Carbene and Phosphine Ligands on the Catalytic Activity of Gold Complexes in the Hydroamination and Hydrohydrazination of Alkynes. ACS Catalysis, 2020, 10, 5190-5201.	5.5	43
14	Tuning electronic structure through halide modulation of mesoionic carbene cobalt complexes. Dalton Transactions, 2020, 49, 2426-2430.	1.6	9
15	The debut of chiral cyclic (alkyl)(amino)carbenes (CAACs) in enantioselective catalysis. Chemical Science, 2019, 10, 7807-7811.	3.7	41
16	Understanding the Activity and Enantioselectivity of Acetyl-Protected Aminoethyl Quinoline Ligands in Palladium-Catalyzed Î²-C(sp³)â€“H Bond Arylation Reactions. Journal of the American Chemical Society, 2019, 141, 16726-16733.	6.6	27
17	Reductive Elimination at Carbon under Steric Control. Journal of the American Chemical Society, 2019, 141, 9823-9826.	6.6	41
18	â€œQuick-Silverâ€•from a Systematic Study of Highly Luminescent, Two-Coordinate, d¹⁰ Coinage Metal Complexes. Journal of the American Chemical Society, 2019, 141, 8616-8626.	6.6	187

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19	Eliminating nonradiative decay in Cu(I) emitters: >99% quantum efficiency and microsecond lifetime. Science, 2019, 363, 601-606.	6.0	450
20	What Are the Radical Intermediates in Oxidative N-Heterocyclic Carbene Organocatalysis?. Journal of the American Chemical Society, 2019, 141, 1109-1117.	6.6	88
21	Readily Available Primary Aminoboranes as Powerful Reagents for Aldimine Synthesis. Angewandte Chemie - International Edition, 2019, 58, 2875-2878.	7.2	27
22	Readily Available Primary Aminoboranes as Powerful Reagents for Aldimine Synthesis. Angewandte Chemie, 2019, 131, 2901-2904.	1.6	6
23	Tandem copper hydrideâ€“Lewis pair catalysed reduction of carbon dioxide into formate with dihydrogen. Nature Catalysis, 2018, 1, 743-747.	16.1	88
24	A crystalline monosubstituted carbene. Nature Chemistry, 2018, 10, 1196-1200.	6.6	24
25	The serendipitous discovery of a readily available redox-bistable molecule derived from cyclic(alkyl)(amino)carbenes. Organic Chemistry Frontiers, 2018, 5, 2073-2078.	2.3	10
26	Highly Ambiphilic Room Temperature Stable Six-Membered Cyclic (Alkyl)(amino)carbenes. Journal of the American Chemical Society, 2018, 140, 9255-9260.	6.6	107
27	The Advantages of Cyclic Over Acyclic Carbenes To Access Isolable Captoâ€Dative Câ€Centered Radicals. Chemistry - A European Journal, 2017, 23, 6206-6212.	1.7	34
28	(Phosphanyl)phosphaketenes as building blocks for novel phosphorus heterocycles. Chemical Science, 2017, 8, 3720-3725.	3.7	50
29	Spectroscopic Evidence for a Monomeric Copper(I) Hydride and Crystallographic Characterization of a Monomeric Silver(I) Hydride. Angewandte Chemie - International Edition, 2017, 56, 4024-4027.	7.2	56
30	Spectroscopic Evidence for a Monomeric Copper(I) Hydride and Crystallographic Characterization of a Monomeric Silver(I) Hydride. Angewandte Chemie, 2017, 129, 4082-4085.	1.6	20
31	Cyclische Alkylaminocarbene (CAACs): Neues von guten Bekannten. Angewandte Chemie, 2017, 129, 10180-10203.	1.6	219
32	Bicyclic (Alkyl)(amino)carbenes (BICAACs): Stable Carbenes More Ambiphilic than CAACs. Journal of the American Chemical Society, 2017, 139, 7753-7756.	6.6	92
33	Cyclic (Alkyl)(amino)carbenes (CAACs): Recent Developments. Angewandte Chemie - International Edition, 2017, 56, 10046-10068.	7.2	610
34	Phosphorescent 2-, 3- and 4-coordinate cyclic (alkyl)(amino)carbene (CAAC) Cu(<scp>i</scp>) complexes. Chemical Communications, 2017, 53, 9008-9011.	2.2	72
35	Copper-catalyzed dehydrogenative borylation of terminal alkynes with pinacolborane. Chemical Science, 2017, 8, 165-168.	3.7	73
36	Comparative Structural Analysis of Biarylphosphine Ligands in Arylpalladium Bromide and Malonate Complexes. Organometallics, 2017, 36, 129-135.	1.1	4

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37	(CAAC)CuX-catalyzed hydroboration of terminal alkynes with pinacolborane directed by the X-ligand. Journal of Organometallic Chemistry, 2017, 829, 11-13.	0.8	40
38	Catalyst-free dehydrocoupling of amines, alcohols, and thiols with pinacol borane and 9-borabicyclononane (9-BBN). Chemical Communications, 2016, 52, 10563-10565.	2.2	112
39	Synthesis of Hemilabile Cyclic (Alkyl)(amino)carbenes (CAACs) and Applications in Organometallic Chemistry. Journal of the American Chemical Society, 2016, 138, 7884-7887.	6.6	116
40	Singlet (Phosphino)phosphinidenes are Electrophilic. Journal of the American Chemical Society, 2016, 138, 8356-8359.	6.6	148
41	Ancillary ligand-free copper catalysed hydrohydrazination of terminal alkynes with NH₂NH₂. Chemical Communications, 2016, 52, 2733-2735.	2.2	20
42	Synthesis of 1â€Indanols and 1â€Indanamines by Intramolecular Palladium(0)â€Catalyzed C(sp³)ï£¿H Arylation: Impact of Conformational Effects. Chemistry - A European Journal, 2014, 20, 11084-11090.	1.7	32
43	Efficient Pdâ€Catalyzed Allene Synthesis from Alkynes and Aryl Bromides through an Intramolecular Baseâ€Assisted Deprotonation (iBAD) Mechanism. Chemistry - A European Journal, 2014, 20, 13272-13278.	1.7	26
44	Palladium-Catalyzed Î²-Arylation of Silyl Ketene Acetals and Application to the Synthesis of Benzo-Fused Î´-Lactones. Organic Letters, 2013, 15, 5056-5059.	2.4	34
45	Synthesis of Aromatic Î±â€Aminoesters: Palladiumâ€Catalyzed Longâ€Range Arylation of Primary Cï£¿H Bonds. Angewandte Chemie - International Edition, 2012, 51, 10808-10811.	7.2	153
46	Synthesis of Hexahydroindoles by Intramolecular Cï£¿H Alkenylation: Application to the Synthesis of the Core of Aeruginosins. Angewandte Chemie - International Edition, 2012, 51, 10399-10402.	7.2	59
47	Diastereoâ€and Enantioselective Intramolecular C(sp³)ï£¿H Arylation for the Synthesis of Fused Cyclopentanes. Chemistry - A European Journal, 2012, 18, 4480-4484.	1.7	139
48	On the Mechanism of the Palladiumâ€Catalyzed Î²â€Arylation of Ester Enolates. Chemistry - A European Journal, 2012, 18, 1932-1944.	1.7	72
49	Functionalization of Organic Molecules by Transitionâ€Metalâ€Catalyzed C(sp³)ï£¿H Activation. Chemistry - A European Journal, 2010, 16, 2654-2672.	1.7	1,032
50	Palladiumâ€Catalyzed Î²â€…Arylation of Carboxylic Esters. Angewandte Chemie - International Edition, 2010, 49, 7261-7265.	7.2	190
51	Stoichiometric and catalytic reactivity of the N-heterocyclic carbene ruthenium hydride complexes [Ru(NHC)(L)(CO)HCl] and [Ru(NHC)(L)(CO)H(Î·2-BH4)] (L = NHC, PPh3). Dalton Transactions, 2008, , 2603.	1.6	45
52	Intramolecular â€œHydroiminiumation and -amidiniumationâ€•of Alkenes:Â A Convenient, Flexible, and Scalable Route to Cyclic Iminium and Imidazolinium Salts. Journal of Organic Chemistry, 2007, 72, 3492-3499.	1.7	151
53	Intramolecular â€œHydroiminiumationâ€•of Alkenes: Application to the Synthesis of Conjugate Acids of Cyclic Alkyl Amino Carbenes (CAACs). Angewandte Chemie - International Edition, 2007, 46, 2899-2902.	7.2	247
54	Chiral ruthenium Lewis acid-catalyzed nitrile oxide cycloadditions. Tetrahedron, 2007, 63, 8413-8419.	1.0	57

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55	Hâ^'X Bond Activation via Hydrogen Transfer to Hydride in Ruthenium N-Heterocyclic Carbene Complexes:Â Density Functional and Synthetic Studies. Organometallics, 2006, 25, 99-110.	1.1	44
56	Synthesis and isomerisation of two metallated N,O-complexes of ruthenium: Models for the Murai reaction. Inorganica Chimica Acta, 2006, 359, 815-820.	1.2	17
57	A new synthetic method for the preparation of protonated-NHCs and related compounds. Journal of Organometallic Chemistry, 2006, 691, 3201-3205.	0.8	74
58	Borrowing hydrogen: a catalytic route to Câ€"C bond formation from alcohols. Chemical Communications, 2004, , 90-91.	2.2	177
59	Toward an Understanding of the Anion Effect in CpRu-Based Dielsâ^'Alder Catalysts via PGSE-NMR Measurements. Organometallics, 2004, 23, 5410-5418.	1.1	61
60	Reversible Cï£¿H Bond Activation Reactions of theN-Heterocyclic Carbene Ligands in Ru(Ph2PCH2CH2CH2PPh2)(IMes)(CO)H2 and Ru(Ph2AsCH2CH2PPh2)(IMes)(CO)H2 (IMes=1,3-Dimesityl-1,3-dihydro-2H-imidazol-2-ylidene). Advanced Synthesis and Catalysis, 2003, 345, 1111-1114.	2.1	44
61	Structure, Reactivity, and Computational Studies of a Novel Ruthenium Hydrogen Sulfide Dihydride Complex. Inorganic Chemistry, 2003, 42, 7695-7697.	1.9	34
62	N-Heterocyclic Carbene Stabilizedtrans-Dihydrido Aqua and Ethanol Complexes of Ruthenium:Â Precursors to Complexes with Ruâ^'Heteroatom Bonds. Organometallics, 2003, 22, 670-683.	1.1	59
63	Câ^'C and Câ^'H Bond Activation Reactions in N-Heterocyclic Carbene Complexes of Ruthenium. Journal of the American Chemical Society, 2002, 124, 4944-4945.	6.6	193
64	Synthesis and X-ray Structural Characterization of Ru(PPh3)3(CO)(C2H4) and RuH(o-C6H4C(O)CH3)(PPh3)2L (L = PPh3, CO, DMSO):Â Ruthenium Complexes with Relevance to the Murai Reactionâ€. Organometallics, 2001, 20, 3745-3751.	1.1	45
65	Stable Singlet Carbenes as Organic Superbases. Angewandte Chemie, 0, , .	1.6	3