

# Mohand Melaimi

## List of Publications by Year in descending order

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59  
papers

6,390  
citations

71102

41  
h-index

110387

64  
g-index

75  
all docs

75  
docs citations

75  
times ranked

3893  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable Cyclic Carbenes and Related Species beyond Diaminocarbenes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8810-8849.	13.8	980
2	Cyclic (Alkyl)(amino)carbenes (CAACs): Recent Developments. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10046-10068.	13.8	610
3	A Brief Survey of Our Contribution to Stable Carbene Chemistry. <i>Organometallics</i> , 2011, 30, 5304-5313.	2.3	400
4	A Heteronuclear Bidentate Lewis Acid as a Phosphorescent Fluoride Sensor. <i>Journal of the American Chemical Society</i> , 2005, 127, 9680-9681.	13.7	245
5	Cyclische Alkylaminocarbene (CAACs): Neues von guten Bekannten. <i>Angewandte Chemie</i> , 2017, 129, 10180-10203.	2.0	219
6	Isolation of bis(copper) key intermediates in Cu-catalyzed azide-alkyne $\text{\AA}$ click reaction $\text{\AA}$ . <i>Science Advances</i> , 2015, 1, e1500304.	10.3	188
7	A Crystalline Phosphinyl Radical Cation. <i>Journal of the American Chemical Society</i> , 2010, 132, 10262-10263.	13.7	185
8	Cyclic Alkyl Amino Carbene (CAAC) Ruthenium Complexes as Remarkably Active Catalysts for Ethenolysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1919-1923.	13.8	175
9	Gold-Catalyzed Hydroarylation of Alkenes with Dialkylanilines. <i>Journal of the American Chemical Society</i> , 2014, 136, 13594-13597.	13.7	139
10	An efficient synthetic route to stable bis(carbene)borylenes [(L1)(L2)BH]. <i>Chemical Communications</i> , 2014, 50, 7837-7839.	4.1	132
11	Deprotonation of a Borohydride: Synthesis of a Carbene $\text{\AA}$ stabilized Boryl Anion. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7590-7592.	13.8	129
12	Cyclic (Amino)(aryl)carbenes (CAACs) as Strong $\text{\AA}$ Donating and $\text{\AA}$ Accepting Ligands for Transition Metals. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14915-14919.	13.8	126
13	Synthesis and Ligand Properties of a Persistent, All $\text{\AA}$ Carbon Four $\text{\AA}$ Membered $\text{\AA}$ Ring Allene. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4792-4795.	13.8	122
14	Isolation of Neutral Mono $\text{\AA}$ and Dinuclear Gold Complexes of Cyclic (Alkyl)(amino)carbenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8964-8967.	13.8	119
15	Synthesis of Hemilabile Cyclic (Alkyl)(amino)carbenes (CAACs) and Applications in Organometallic Chemistry. <i>Journal of the American Chemical Society</i> , 2016, 138, 7884-7887.	13.7	116
16	Highly Ambiphilic Room Temperature Stable Six-Membered Cyclic (Alkyl)(amino)carbenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 9255-9260.	13.7	107
17	Air $\text{\AA}$ Stable (CAAC)CuCl and (CAAC)CuBH <sub>4</sub> Complexes as Catalysts for the Hydrolytic Dehydrogenation of BH <sub>3</sub> NH <sub>3</sub> . <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6008-6011.	13.8	95
18	Hybrid Lewis Acid/Hydrogen-Bond Donor Receptor for Fluoride. <i>Organic Letters</i> , 2006, 8, 2747-2749.	4.6	94

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19	Bicyclic (Alkyl)(amino)carbenes (BICAACs): Stable Carbenes More Ambiphilic than CAACs. <i>Journal of the American Chemical Society</i> , 2017, 139, 7753-7756.	13.7	92
20	Trinuclear Gold Clusters Supported by Cyclic (alkyl)(amino)carbene Ligands: Mimics for Gold Heterogeneous Catalysts. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9059-9063.	13.8	89
21	Singlet carbenes as mimics for transition metals: synthesis of an air stable organic mixed valence compound $[M^{2+}(C^{2+})^{+}]^{\ominus}$ ; M = cyclic(alkyl)(amino)carbene]. <i>Organic Chemistry Frontiers</i> , 2014, 1, 351-354.	4.5	82
22	Modular Approach to Kekulé Diradicaloids Derived from Cyclic (Alkyl)(amino)carbenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 2546-2554.	13.7	77
23	Isolation of Neutral Mononuclear Copper Complexes Stabilized by Two Cyclic (Alkyl)(amino)carbenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 6235-6238.	13.7	73
24	The Janus Face of the X Ligand in the Copper-Catalyzed Azide-Alkyne Cycloaddition. <i>Journal of the American Chemical Society</i> , 2015, 137, 15696-15698.	13.7	70
25	Mesoionic Carbene (MIC)-Catalyzed H/D Exchange at Formyl Groups. <i>CheM</i> , 2019, 5, 2484-2494.	11.7	69
26	Copper(I) Complexes Bearing Carbenes Beyond Classical N-Heterocyclic Carbenes: Synthesis and Catalytic Activity in <i>Click Chemistry</i> . <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3155-3161.	4.3	68
27	NHC-CAAC Heterodimers with Three Stable Oxidation States. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12886-12890.	13.8	68
28	Crystalline Cyclic (Alkyl)(amino)carbene-tetrafluoropyridyl Radical. <i>Chemistry - A European Journal</i> , 2015, 21, 8441-8446.	3.3	64
29	Organic Mixed Valence Compounds Derived from Cyclic (Alkyl)(amino)carbenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 2206-2213.	13.7	64
30	Crystalline Monomeric Allenyl/Propargyl Radical. <i>Journal of the American Chemical Society</i> , 2017, 139, 15620-15623.	13.7	62
31	Mesoionic carbene-Breslow intermediates as super electron donors: Application to the metal-free arylacylation of alkenes. <i>Chem Catalysis</i> , 2021, 1, 196-206.	6.1	61
32	Bis(diphosphaferrocene) palladium(II) dimer complexes as efficient catalysts in the synthesis of arylboronic esters. <i>Journal of Organometallic Chemistry</i> , 2001, 640, 197-199.	1.8	56
33	Generalization of the Copper to Late-Transition-Metal Transmetalation to Carbenes beyond N-Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2016, 22, 9404-9409.	3.3	46
34	Bidentate Group 13 Lewis Acids with ortho-Phenylene and peri-Naphthalenediyl Backbones. <i>Advances in Organometallic Chemistry</i> , 2005, , 61-99.	1.0	45
35	Mesoionic Carbene-Gold(I) Catalyzed Bis-Hydrohydrazination of Alkynes with Parent Hydrazine. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2139-2142.	3.3	41
36	Syntheses of a 2,6-bis-(methylphospholyl)pyridine ligand and its cationic Pd(II) and Ni(II) complexes and application in the palladium-catalyzed synthesis of arylboronic esters. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 2988-2994.	1.8	38

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37	Isolation of cationic and neutral (allenylidene)(carbene) and bis(allenylidene)gold complexes. <i>Chemical Science</i> , 2016, 7, 150-154.	7.4	34
38	Carbodicarbenes, Carbon(0) Derivatives, Can Dimerize. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2940-2942.	3.3	31
39	Cationic diphosphaferrocene gallium dichloride complexes. <i>New Journal of Chemistry</i> , 2002, 26, 1378-1383.	2.8	28
40	NHC-CAAC Heterodimers with Three Stable Oxidation States. <i>Angewandte Chemie</i> , 2016, 128, 13078-13082.	2.0	23
41	Enantioselective synthesis of $\beta$ , $\gamma$ -substituted $\beta$ -amino acids. <i>Tetrahedron</i> , 2001, 57, 195-200.	1.9	22
42	Ancillary ligand-free copper catalysed hydrohydrazination of terminal alkynes with $NH_2$ . <i>Chemical Communications</i> , 2016, 52, 2733-2735.	4.1	20
43	Reactivity of a 1,3,2-diazaphosphinine toward propargyl-phosphine derivatives and activated alkenes. <i>Heteroatom Chemistry</i> , 2003, 14, 326-333.	0.7	18
44	Cyclic (Alkyl)(Amino)Carbene (CAAC) Gold(I) Complexes as Chemotherapeutic Agents. <i>Chemistry - A European Journal</i> , 2021, 27, 3772-3778.	3.3	18
45	(2,5-diphenylphospholyl)-2-methylpyridine and 2-methyl-5R-phenyloxazoline PdCl <sub>2</sub> complexes: Syntheses, X-ray crystal structures and use in the Miyaura and Heck coupling reactions. <i>Comptes Rendus Chimie</i> , 2004, 7, 823-832.	0.5	17
46	A mixed palladium(0) palladium(II) bis-diphosphaferrocene complex. <i>Journal of Organometallic Chemistry</i> , 2003, 684, 189-193.	1.8	13
47	Synthesis and Electrochemical Behavior of Mixed Organoboron/Organomercury Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1667-1671.	1.2	11
48	Silylated Ge <sub>9</sub> Clusters as New Ligands for Cyclic (Alkyl)amino and Mesoionic Carbene Copper Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 3256-3264.	4.0	11
49	An Efficient Synthesis of a New Series of Acyclonucleosides Starting from $\beta$ -Amino Alcohols. <i>Journal of Organic Chemistry</i> , 2000, 65, 6666-6669.	3.2	10
50	An Efficient Synthesis of Pyrimidines from $\beta$ -Amino Alcohols. <i>Organic Letters</i> , 2000, 2, 633-634.	4.6	10
51	Geometric and Electronic Structure Analysis of the Three-Membered Electron-Transfer Series [(1/4-CNR) <sub>2</sub> [CpCo] <sub>2</sub> ] <sup>n+</sup> (n = 0, 1, 2) and Its Relevance to the Classical Bridging-Carbonyl System. <i>Organometallics</i> , 2017, 36, 2126-2140.	2.3	10
52	Chemoselective reduction of pyrimidines. An access to enantiopure tetrahydropyrimidinones. <i>Tetrahedron Letters</i> , 2001, 42, 8629-8631.	1.4	8
53	Phosphinines and Diphosphaferrocenes: Recent Advances. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1529-1532.	1.6	8
54	Controlled Expansion of a Strong-Field Iron Nitride Cluster: Multi-Site Ligand Substitution as a Strategy for Activating Interstitial Nitride Nucleophilicity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13057-13061.	13.8	6

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55	Cyclic (amino)(barrelene)carbenes: an original family of CAACs through a novel synthetic pathway. Chemical Communications, 2022, 58, 7519-7521.	4.1	6
56	Controlled Expansion of a Strong-Field Iron Nitride Cluster: Multi-Site Ligand Substitution as a Strategy for Activating Interstitial Nitride Nucleophilicity. Angewandte Chemie, 2018, 130, 13241-13245.	2.0	2
57	Phosphinines and Diphosphaferrocenes: Recent Advances. ChemInform, 2003, 34, no.	0.0	0
58	Reactivity of a 1,3,2-Diazaphosphine Toward Propargyl-Phosphine Derivatives and Activated Alkenes.. ChemInform, 2003, 34, no.	0.0	0
59	Titelbild: Controlled Expansion of a Strong-Field Iron Nitride Cluster: Multi-Site Ligand Substitution as a Strategy for Activating Interstitial Nitride Nucleophilicity (Angew. Chem. 40/2018). Angewandte Chemie, 2018, 130, 13161-13161.	2.0	0