M Carmen Nicasio

List of Publications by Year
in descending order

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65 papers	3,612 citations	109137 35 h-index	128067 60 g-index
80 all docs	80 docs citations	80 times ranked	3192 citing authors

#	Article	IF	Citations
1	Copper-catalysed azideâ€“alkyne cycloadditions (CuAAC): an update. Organic and Biomolecular Chemistry, 2015, 13, 9528-9550.	1.5	436
2	Cyclohexane and Benzene Amination by Catalytic Nitrene Insertion into Câ^'H Bonds with the Copper-Homoscorpionate Catalyst TpBr3Cu(NCMe). Journal of the American Chemical Society, 2003, 125, 12078-12079.	6.6	160
3	Regioselective Formation of 2,5-Disubstituted Oxazoles Via Copper(I)-Catalyzed Cycloaddition of Acyl Azides and 1-Alkynes. Journal of the American Chemical Society, 2011, 133, 191-193.	6.6	146
4	Intermolecular Copper-Catalyzed Carbonâ^'Hydrogen Bond Activation via Carbene Insertion. Journal of the American Chemical Society, 2002, 124, 896-897.	6.6	139
5	Kumadaâ€“Tamaoâ€“Corriu Coupling of Heteroaromatic Chlorides and Aryl Ethers Catalyzed by (IPr)Ni(allyl)Cl. Organic Letters, 2012, 14, 4318-4321.	2.4	124
6	Highly Regioselective Functionalization of Aliphatic Carbonâ^'Hydrogen Bonds with a Perbromohomoscorpionate Copper(I) Catalyst. Journal of the American Chemical Society, 2003, 125, 1446-1447.	6.6	122
7	Niâ€Catalyzed Amination Reactions: An Overview. Chemical Record, 2016, 16, 1819-1832.	2.9	117
8	Complete Control of the Chemoselectivity in Catalytic Carbene Transfer Reactions from Ethyl Diazoacetate:Â AnN-Heterocyclic Carbeneâ^'Cu System That Suppresses Diazo Coupling. Journal of the American Chemical Society, 2004, 126, 10846-10847.	6.6	115
9	Câ^'H Bond Activation of Benzene and Cyclic Ethers by TpIrIII Species. Chemistry - A European Journal, 1998, 4, 2225-2236.	1.7	104
10	Formation of Hydridoâ€“Î·³â€Allyl Complexes of Ir^{III} by Sequential Olefinic Cï£¿H Bond Activation and Cï£¿C Coupling of Alkenyl and Olefin Ligands. Chemistry - A European Journal, 1997, 3, 860-873.	1.7	102
11	Functionalization of Primary Carbonâ^'Hydrogen Bonds of Alkanes by Carbene Insertion with a Silver-Based Catalyst. Organometallics, 2005, 24, 1528-1532.	1.1	102
12	Copper(I)â^'Homoscorpionate Catalysts for the Preferential, Kinetically Controlled Cis Cyclopropanation of Î±-Olefins with Ethyl Diazoacetate. Journal of the American Chemical Society, 2002, 124, 978-983.	6.6	98
13	Copper-Homoscorpionate Complexes as Very Active Catalysts for the Olefin Aziridination Reaction. Organometallics, 2004, 23, 253-256.	1.1	94
14	Catalytic insertion of diazo compounds into Nâ€“H bonds: the copper alternative. Chemical Communications, 2002, , 2998-2999.	2.2	86
15	Wellâ€Defined Allylnickel Chloride/Nâ€Heterocyclic Carbene [(NHC)Ni(allyl)Cl] Complexes as Highly Active Precatalysts for Cï£¿N and Cï£¿S Crossâ€Coupling Reactions. Advanced Synthesis and Catalysis, 2010, 352, 1949-1954.	2.1	85
16	Double carbon-hydrogen activation at the .alpha.-carbon of cyclic ethers by Tp*Ir(C2H4)2. Journal of the American Chemical Society, 1992, 114, 7288-7290.	6.6	77
17	Synthesis, Structural Characterization, and Catalytic Activity of IPrNi(styrene)2in the Amination of Aryl Tosylates. Organometallics, 2012, 31, 6312-6316.	1.1	74
18	Functionalization of Carbonâ^'Hydrogen Bonds of Hydrocarbons and Ethers via Carbene Insertion with Copper(I)â^'Homoscorpionate Catalysts. Organometallics, 2003, 22, 4145-4150.	1.1	69

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19	The carbene insertion methodology for the catalytic functionalization of unreactive hydrocarbons: No classical Câ€“H activation, but efficient Câ€“H functionalization. Dalton Transactions, 2006, , 5559-5566.	1.6	66
20	Kinetics of the BpCu-Catalyzed Carbene Transfer Reaction (Bp = Dihydridobis(1-pyrazolyl)borate). Is a 14-Electron Species the Real Catalyst for the General Copper-Mediated Olefin Cyclopropanation?. Organometallics, 1999, 18, 2601-2609.	1.1	65
21	A family of highly active copper(i)â€“homoscorpionate catalysts for the alkyne cyclopropenation reaction. Chemical Communications, 2001, , 1804-1805.	2.2	63
22	An iridium(III) compound that thermally activates two molecules of benzene and forms a stable dinitrogen complex. Journal of the American Chemical Society, 1994, 116, 791-792.	6.6	61
23	BpCu-Catalyzed Cyclopropanation of Olefins:Â A Simple System That Operates under Homogeneous and Heterogeneous Conditions (Bp = Dihydridobis(pyrazolyl)borate)â€. Organometallics, 1998, 17, 3051-3057.	1.1	60
24	Reaction of Ethyl Diazoacetate with Alkyl-Aromatic Substrates:â€‰ Influence of the TpxCu Catalyst in the Addition versus Insertion Chemoselectivity (Tpx = Homoscorpionate). Organometallics, 2004, 23, 293-295.	1.1	57
25	Copper(i) complexes as catalysts for the synthesis of N-sulfonyl-1,2,3-triazoles from N-sulfonylazides and alkynes. Organic and Biomolecular Chemistry, 2010, 8, 536-538.	1.5	54
26	Elucidating the Mechanism of Aryl Aminations Mediated by NHC-Supported Nickel Complexes: Evidence for a Nonradical Ni(0)/Ni(II) Pathway. ACS Catalysis, 2018, 8, 3733-3742.	5.5	53
27	Dinuclear Copper(I) Complexes as Precatalysts in Ullmann and Goldberg Coupling Reactions. Organometallics, 2009, 28, 3815-3821.	1.1	50
28	Laser Flash Photolysis and Matrix Isolation Studies of Ru[R2PCH2CH2PR2]2H2 (R = C2H5, C6H5, C2F5): Control of Oxidative Addition Rates by Phosphine Substituents. Journal of the American Chemical Society, 1995, 117, 10047-10054.	6.6	49
29	Vinylic Câˆ’H Bond Activation and Hydrogenation Reactions of Tpâ€˜Ir(C2H4)(L) Complexes. Inorganic Chemistry, 1998, 37, 4538-4546.	1.9	49
30	From Homogeneous to Heterogeneous Catalysis:â€‰ Novel Anchoring of Polypyrazolylborate Copper(I) Complexes on Silica Gel through Classical and Nonclassical Hydrogen Bonds. Use as Catalysts of the Olefin Cyclopropanation Reaction. Organometallics, 2000, 19, 285-289.	1.1	47
31	Substitution and Hydrogenation Reactions on Rhodium(I)âˆ’Ethylene Complexes of the Hydrotris(pyrazolyl)borate Ligands Tpâ€˜ (Tpâ€˜ = Tp, TpMe2)â€. Inorganic Chemistry, 2000, 39, 180-188.	1.9	46
32	Reaction of Alkynes and Azides: Not Triazoles Through Copperâ€“Acetylides but Oxazoles Through Copperâ€“Nitrene Intermediates. Chemistry - A European Journal, 2014, 20, 3463-3474.	1.7	45
33	Very Efficient, Reusable Copper Catalyst for Carbene Transfer Reactions under Biphasic Conditions Using Ionic Liquids. Organic Letters, 2006, 8, 557-560.	2.4	43
34	Copper-Catalyzed Carbene Insertion into Oâˆ’H Bonds:â€‰ High Selective Conversion of Alcohols into Ethers. Organometallics, 2003, 22, 2914-2918.	1.1	40
35	Cï£¿N Coupling of Indoles and Carbazoles with Aromatic Chlorides Catalyzed by a Singleâ€Component NHCâ€Nickel(0) Precursor. Advanced Synthesis and Catalysis, 2015, 357, 907-911.	2.1	37
36	Synthesis, Structure and Nickel Carbonyl Complexes of Dialkylterphenyl Phosphines. Chemistry - A European Journal, 2019, 25, 260-272.	1.7	33

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37	Synthesis, Structural Characterization, Reactivity, and Catalytic Properties of Copper(I) Complexes with a Series of Tetradentate Tripodal Tris(pyrazolylmethyl)amine Ligands. Inorganic Chemistry, 2014, 53, 4192-4201.	1.9	32
38	1,2,3-Triazoles from carbonyl azides and alkynes: filling the gap. Chemical Communications, 2014, 50, 8978.	2.2	30
39	Synthesis and reactivity of new palladium alkyl complexes containing PMe3 ligands: Insertion reactions and formation of bis(pyrazolyl)borate derivatives. Journal of Organometallic Chemistry, 1997, 549, 167-176.	0.8	28
40	Organometallic derivatives of Ni(II) with poly(pyrazolyl)borate ligands. Journal of Organometallic Chemistry, 1998, 551, 215-227.	0.8	28
41	Catalytic Carbonâ^'Hydrogen Bond Functionalization in an Ionic Liquid Medium. Organometallics, 2007, 26, 6661-6668.	1.1	26
42	Copper(I) Complexes with Trispyrazolylmethane Ligands: Synthesis, Characterization, and Catalytic Activity in Cross-Coupling Reactions. Inorganic Chemistry, 2012, 51, 8298-8306.	1.9	26
43	Silver-catalyzed siliconâ€“hydrogen bond functionalization by carbene insertion. Dalton Transactions, 2013, 42, 1191-1195.	1.6	25
44	Monohapto co-ordination of poly(tert-butylpyrazolyl)borate ligands in nickel and palladium complexes. Journal of the Chemical Society Dalton Transactions, 1992, , 2651-2652.	1.1	24
45	Ni(II) Precatalysts Enable Thioetherification of (Hetero)Aryl Halides and Tosylates and Tandem Câ^'S/Câ^'N Couplings. Chemistry - A European Journal, 2021, 27, 12320-12326.	1.7	24
46	Phosphine-functionalized NHC Ni(<scp>ii</scp>) and Ni(0) complexes: synthesis, characterization and catalytic properties. Dalton Transactions, 2017, 46, 7603-7611.	1.6	21
47	Evaluating stereoelectronic properties of bulky dialkylterphenyl phosphine ligands. Journal of Organometallic Chemistry, 2019, 896, 120-128.	0.8	21
48	Nitrene transfer reactions catalysed by copper(I) complexes in ionic liquid using chloramine-T. Dalton Transactions, 2009, , 730-734.	1.6	18
49	Alkane Dehydrogenation by Sequential, Double Câ^'H Bond Activation by TpBr3Ir(C2H4)2(TpBr3=) Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	15
50	Alkylidenes by .alpha.-hydrogen abstraction from metallacycles. Synthesis and characterization of alkylidene-bridged complexes of nickel. Organometallics, 1993, 12, 4431-4442.	1.1	14
51	Transient Photochemistry, Matrix Isolation, and Molecular Structure ofcis-Ru(dmpm)2H2(dmpm =) Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	14
52	Synthesis and characterisation of rhodium(I) complexes containing the dihydrobis(pyrazolyl)borate		

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55	Intramolecular dealkylation of chelating diamines with Ru(ii) complexes. Chemical Communications, 2002, , 1848-1849.	2.2	12
56	Dialkylterphenyl Phosphineâ€Based Palladium Precatalysts for Efficient Aryl Amination of Nâ€Nucleophiles. Chemistry - A European Journal, 2020, 26, 1064-1073.	1.7	10
57	Dialkyl complexes of nickel(II) containing chelating diphosphines. The crystal structure of [Ni(CH2SiMe2Ph)2(i Pr2PCH2CH2PiPr2)]. Journal of Organometallic Chemistry, 1993, 444, 245-250.	0.8	9
58	Hydrotrispyrazolylborate-copper complexes as catalysts for the styrene cyclopropanation reaction with ethyl diazoacetate under homogeneous and heterogeneous conditions. Inorganica Chimica Acta, 2009, 362, 4599-4602.	1.2	7
59	Zero-valent ML₂ complexes of group 10 metals supported by terphenyl phosphanes. Chemical Communications, 2021, 57, 3083-3086.	2.2	6
60	N-substituted aminobiphenyl palladacycles stabilized by dialkylterphenyl phosphanes: Preparation and applications in C N cross-coupling reactions. Inorganica Chimica Acta, 2021, 518, 120214.	1.2	6
61	Low-coordinate M(0) complexes of group 10 stabilized by phosphorus(III) ligands and N-heterocyclic carbenes. Advances in Organometallic Chemistry, 2020, , 241-323.	0.5	4
62	Palladium-mediated intramolecular dearomatization of ligated dialkylterphenyl phosphines. Dalton Transactions, 2019, 48, 14575-14579.	1.6	2
63	Catalytic Insertion of Diazo Compounds into Nâ€"H Bonds: The Copper Alternative.. ChemInform, 2003, 34, no.	0.1	0
64	Copper-Homoscorpionate Complexes as Very Active Catalysts for the Olefin Aziridination Reaction.. ChemInform, 2004, 35, no.	0.1	0
65	Breaking bonds over many timescales: in celebration of Robin Perutz's 70th birthday. Dalton Transactions, 2020, 49, 254-255.	1.6	0