

Manuel R Fructos

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Gold Catalyst for Carbene-Transfer Reactions from Ethyl Diazoacetate. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5284-5288.	13.8	422
2	Facile Amine Formation by Intermolecular Catalytic Amidation of Carbon-Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 2006, 128, 11784-11791.	13.7	267
3	Alkane Carbon-Hydrogen Bond Functionalization with (NHC)MCl Precatalysts (M = Cu, Au; NHC =) <i>Tj ETQq1 1 0.784314 rgBT /Over 2.3 164</i>	2.3	164
4	A Valuable, Inexpensive CuI/N-Heterocyclic Carbene Catalyst for the Selective Diboration of Styrene. <i>Chemistry - A European Journal</i> , 2007, 13, 2614-2621.	3.3	156
5	Gold and diazo reagents: a fruitful tool for developing molecular complexity. <i>Chemical Communications</i> , 2016, 52, 7326-7335.	4.1	126
6	Complete Control of the Chemoselectivity in Catalytic Carbene Transfer Reactions from Ethyl Diazoacetate: An N-Heterocyclic Carbene-Cu System That Suppresses Diazo Coupling. <i>Journal of the American Chemical Society</i> , 2004, 126, 10846-10847.	13.7	115
7	Exclusive Aromatic vs Aliphatic C-H Bond Functionalization by Carbene Insertion with Gold-Based Catalysts. <i>Organometallics</i> , 2011, 30, 2855-2860.	2.3	115
8	Synthesis, isolation and characterization of cationic gold(i) N-heterocyclic carbene (NHC) complexes. <i>Chemical Communications</i> , 2006, , 2045-2047.	4.1	109
9	Gold-catalyzed olefin cyclopropanation. <i>Tetrahedron</i> , 2009, 65, 1790-1793.	1.9	108
10	Catalytic functionalization of low reactive C(sp ³)-H and C(sp ²)-H bonds of alkanes and arenes by carbene transfer from diazo compounds. <i>Dalton Transactions</i> , 2015, 44, 20295-20307.	3.3	104
11	Synthesis, Structural Characterization, and Catalytic Activity of IPrNi(styrene) ₂ in the Amination of Aryl Tosylates. <i>Organometallics</i> , 2012, 31, 6312-6316.	2.3	74
12	Selective Synthesis of N-Substituted 1,2-Dihydropyridines from Furans by Copper-Induced Concurrent Tandem Catalysis. <i>Journal of the American Chemical Society</i> , 2010, 132, 4600-4607.	13.7	66
13	Elucidating the Mechanism of Aryl Aminations Mediated by NHC-Supported Nickel Complexes: Evidence for a Nonradical Ni(0)/Ni(II) Pathway. <i>ACS Catalysis</i> , 2018, 8, 3733-3742.	11.2	53
14	Mechanistic Studies on Gold-Catalyzed Direct Arene C-H Bond Functionalization by Carbene Insertion: The Coinage-Metal Effect. <i>Organometallics</i> , 2017, 36, 172-179.	2.3	52
15	Synthesis and catalytic applications of 1,2,3-triazolyldene gold(II) complexes in silver-free oxazoline syntheses and C-H bond activation. <i>Dalton Transactions</i> , 2016, 45, 14591-14602.	3.3	48
16	[2+2] Cycloaddition reactions promoted by group 11 metal-based catalysts. <i>Tetrahedron</i> , 2016, 72, 355-369.	1.9	45
17	A computational view on the reactions of hydrocarbons with coinage metal complexes. <i>Journal of Organometallic Chemistry</i> , 2015, 784, 2-12.	1.8	39
18	C-N Coupling of Indoles and Carbazoles with Aromatic Chlorides Catalyzed by a Single-Component NHC-Nickel(0) Precursor. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 907-911.	4.3	37

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19	Highly active gold-based catalyst for the reaction of benzaldehyde with ethyl diazoacetate. <i>Chemical Communications</i> , 2009, , 5153.	4.1	31
20	Fully Borylated Methane and Ethane by Ruthenium-Mediated Cleavage and Coupling of CO. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4707-4710.	13.8	25
21	Phosphine-functionalized NHC Ni(II) and Ni(0) complexes: synthesis, characterization and catalytic properties. <i>Dalton Transactions</i> , 2017, 46, 7603-7611.	3.3	21
22	Copper-Catalyzed Nitrene Transfer as a Tool for the Synthesis of N-Substituted 1,2-Dihydro- and 1,2,3,4-Tetrahydropyridines. <i>Organometallics</i> , 2012, 31, 7839-7843.	2.3	20
23	Catalytic Copper-Mediated Ring Opening and Functionalization of Benzoxazoles. <i>ACS Catalysis</i> , 2014, 4, 4215-4222.	11.2	16
24	Copper-induced ammonia N-H functionalization. <i>Dalton Transactions</i> , 2016, 45, 14628-14633.	3.3	12
25	The Elusive Palladium-Diazo Adduct Captured: Synthesis, Isolation and Structural Characterization of [(ArNHC(Ph) ₂)Pd(η^5 -C ₅ H ₅) ₂ CO ₂ Et]. <i>Chemistry - A European Journal</i> , 2017, 23, 7667-7671.	3.3	9
26	Aerobic intramolecular carbon-hydrogen bond oxidation promoted by Cu(I) complexes. <i>Dalton Transactions</i> , 2020, 49, 14647-14655.	3.3	9
27	Gold-Catalyzed Mannich Addition Reactions of 1,3-Dicarbonyl Compounds with N-Protected Imines. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 31-34.	2.4	7
28	Fully Borylated Methane and Ethane by Ruthenium-Mediated Cleavage and Coupling of CO. <i>Angewandte Chemie</i> , 2016, 128, 4785-4788.	2.0	7
29	Alkoxydiaminophosphine Ligands as Surrogates of NHCs in Copper Catalysis. <i>Chemistry - A European Journal</i> , 2020, 26, 10330-10335.	3.3	7
30	Selective Functionalization of Arene C(sp ²)-H Bonds by Gold Catalysis: The Role of Carbene Substituents. <i>ACS Catalysis</i> , 2022, 12, 6851-6856.	11.2	7
31	Gold Complexes with ADAP Ligands: Effect of Bulkiness in Catalytic Carbene Transfer Reactions (ADAP) Tj ETQq1 1 0,784314,rgBT /O	2.3	6
32	Evidencing an inner-sphere mechanism for NHC-Au(I)-catalyzed carbene-transfer reactions from ethyl diazoacetate. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2254-2260.	2.2	5
33	Copper(I)-Arene Complexes with a Sterically Hindered Tris(pyrazolyl)borate Ligand. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2026-2030.	2.0	2