

Manuel R Fructos

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Selective Functionalization of Arene C(sp ²)â€“H Bonds by Gold Catalysis: The Role of Carbene Substituents. ACS Catalysis, 2022, 12, 6851-6856.	11.2	7
2	Aerobic intramolecular carbonâ€“hydrogen bond oxidation promoted by Cu(ⁱ) complexes. Dalton Transactions, 2020, 49, 14647-14655.	3.3	9
3	Gold Complexes with ADAP Ligands: Effect of Bulkiness in Catalytic Carbene Transfer Reactions (ADAP) Tj ETQq1 1 0,784314,rgBT /O	2.3	6
4	Alkoxydiaminophosphine Ligands as Surrogates of NHCs in Copper Catalysis. Chemistry - A European Journal, 2020, 26, 10330-10335.	3.3	7
5	Elucidating the Mechanism of Aryl Aminations Mediated by NHC-Supported Nickel Complexes: Evidence for a Nonradical Ni(O)/Ni(II) Pathway. ACS Catalysis, 2018, 8, 3733-3742.	11.2	53
6	Copper(I)â€“Arene Complexes with a Sterically Hindered Tris(pyrazolyl)borate Ligand. European Journal of Inorganic Chemistry, 2018, 2018, 2026-2030.	2.0	2
7	The Elusive Palladiumâ€“Diazo Adduct Captured: Synthesis, Isolation and Structural Characterization of [(ArNHCâ€“PPh ₂)Pd(ⁱ)â€“N ₂ C(Ph)CO ₂ Et)]. Chemistry - A European Journal, 2017, 23, 7667-7671.	3.3	9
8	Phosphine-functionalized NHC Ni(ⁱⁱ) and Ni(O) complexes: synthesis, characterization and catalytic properties. Dalton Transactions, 2017, 46, 7603-7611.	3.3	21
9	Mechanistic Studies on Gold-Catalyzed Direct Arene Câ€“H Bond Functionalization by Carbene Insertion: The Coinage-Metal Effect. Organometallics, 2017, 36, 172-179.	2.3	52
10	Fully Borylated Methane and Ethane by Rutheniumâ€“Mediated Cleavage and Coupling of CO. Angewandte Chemie, 2016, 128, 4785-4788.	2.0	7
11	Gold and diazo reagents: a fruitful tool for developing molecular complexity. Chemical Communications, 2016, 52, 7326-7335.	4.1	126
12	Synthesis and catalytic applications of 1,2,3-triazolylidene gold(ⁱ) complexes in silver-free oxazoline syntheses and Câ€“H bond activation. Dalton Transactions, 2016, 45, 14591-14602.	3.3	48
13	Fully Borylated Methane and Ethane by Rutheniumâ€“Mediated Cleavage and Coupling of CO. Angewandte Chemie - International Edition, 2016, 55, 4707-4710.	13.8	25
14	Copper-induced ammonia Nâ€“H functionalization. Dalton Transactions, 2016, 45, 14628-14633.	3.3	12
15	[2+2] Cycloaddition reactions promoted by group 11 metal-based catalysts. Tetrahedron, 2016, 72, 355-369.	1.9	45
16	Evidencing an inner-sphere mechanism for NHC-Au(I)-catalyzed carbene-transfer reactions from ethyl diazoacetate. Beilstein Journal of Organic Chemistry, 2015, 11, 2254-2260.	2.2	5
17	Câ€“N Coupling of Indoles and Carbazoles with Aromatic Chlorides Catalyzed by a Singleâ€“Component NHCâ€“Nickel(O) Precursor. Advanced Synthesis and Catalysis, 2015, 357, 907-911.	4.3	37
18	Catalytic functionalization of low reactive C(sp ³)â€“H and C(sp ²)â€“H bonds of alkanes and arenes by carbene transfer from diazo compounds. Dalton Transactions, 2015, 44, 20295-20307.	3.3	104

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19	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
20	Catalytic Copper-Mediated Ring Opening and Functionalization of Benzoxazoles. <i>ACS Catalysis</i> , 2014, 4, 4215-4222.	11.2	16
21	Gold-Catalyzed Mannich Addition Reactions of 1,3-Dicarbonyl Compounds with <i>N</i> -Protected Imines. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 31-34.	2.4	7
22	Synthesis, Structural Characterization, and Catalytic Activity of $\text{IPrNi}(\text{styrene})_2$ in the Amination of Aryl Tosylates. <i>Organometallics</i> , 2012, 31, 6312-6316.	2.3	74
23	Copper-Catalyzed Nitrene Transfer as a Tool for the Synthesis of <i>N</i> -Substituted 1,2-Dihydro- and 1,2,3,4-Tetrahydropyridines. <i>Organometallics</i> , 2012, 31, 7839-7843.	2.3	20
24	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
25	Selective Synthesis of <i>N</i> -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
26	Gold-catalyzed olefin cyclopropanation. <i>Tetrahedron</i> , 2009, 65, 1790-1793.	1.9	108
27	Highly active gold-based catalyst for the reaction of benzaldehyde with ethyl diazoacetate. <i>Chemical Communications</i> , 2009, , 5153.	4.1	31
28	A Valuable, Inexpensive Cu/N -Heterocyclic Carbene Catalyst for the Selective Diboration of Styrene. <i>Chemistry - A European Journal</i> , 2007, 13, 2614-2621.	3.3	156
29	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
30	Alkane Carbon-Hydrogen Bond Functionalization with (NHC)MCl Precatalysts (M = Cu, Au; NHC =) <i>Tetrahedron Letters</i> , 2006, 37, 1641-1644.	2.3	164
31	Synthesis, isolation and characterization of cationic gold(I) N-heterocyclic carbene (NHC) complexes. <i>Chemical Communications</i> , 2006, , 2045-2047.	4.1	109
32	A Gold Catalyst for Carbene-Transfer Reactions from Ethyl Diazoacetate. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5284-5288.	13.8	422
33	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