Rafael Cano

List of Publications by Year
in descending order

33 papers	1,481 citations	331259 21 h-index	395343 33 g-index
49 all docs	49 docs citations	49 times ranked	2005 citing authors

#	Article	IF	Citations
1	Asymmetric trifluoromethylthiolation of azlactones under chiral phase transfer catalysis. Organic and Biomolecular Chemistry, 2020, 18, 2914-2920.	1.5	10
2	A structure-function analysis of interspecies antagonism by the 2-heptyl-4-alkyl-quinolone signal molecule from Pseudomonas aeruginosa. Microbiology (United Kingdom), 2020, 166, 169-179.	0.7	9
3	Switching acidic and basic catalysis through supramolecular functionalization in a porous 3D covalent imine-based material. Catalysis Science and Technology, 2019, 9, 6007-6014.	2.1	10
4	Chromoselective access to Z- or E- allylated amines and heterocycles by a photocatalytic allylation reaction. Nature Communications, 2019, 10, 2634.	5.8	38
5	Recent advances in manganese-catalysed Câ€“H activation: scope and mechanism. Catalysis Science and Technology, 2018, 8, 1251-1266.	2.1	72
6	Quinolones Modulate Ghrelin Receptor Signaling: Potential for a Novel Small Molecule Scaffold in the Treatment of Cachexia. International Journal of Molecular Sciences, 2018, 19, 1605.	1.8	10
7	Direkte asymmetrische Alkylierung von Ketonen: noch immer ein unerreichtes Ziel. Angewandte Chemie, 2017, 129, 9406-9418.	1.6	25
8	Direct Asymmetric Alkylation of Ketones: Still Unconquered. Angewandte Chemie - International Edition, 2017, 56, 9278-9290.	7.2	81
9	The requirements at the C-3 position of alkylquinolones for signalling in Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2017, 15, 306-310.	1.5	19
10	The Bacteroidales produce an N-acylated derivative of glycine with both cholesterol-solubilising and hemolytic activity. Scientific Reports, 2017, 7, 13270.	1.6	25
11	Harnessing Bacterial Signals for Suppression of Biofilm Formation in the Nosocomial Fungal Pathogen Aspergillus fumigatus. Frontiers in Microbiology, 2016, 7, 2074.	1.5	23
12	Palladium(<scp>ii</scp>) oxide impregnated on magnetite as a catalyst for the synthesis of 4-arylcoumarins via a Heck-arylation/cyclization process. RSC Advances, 2016, 6, 36932-36941.	1.7	12
13	Exploiting Interkingdom Interactions for Development of Small-Molecule Inhibitors of Candida albicans Biofilm Formation. Antimicrobial Agents and Chemotherapy, 2016, 60, 5894-5905.	1.4	23
14	The search for an easily-prepared sparteine surrogate. Tetrahedron: Asymmetry, 2016, 27, 1160-1167.	1.8	6
15	Impregnated palladium on magnetite as catalyst for direct arylation of heterocycles. Tetrahedron, 2016, 72, 1043-1050.	1.0	33
16	Direct arylation and heterogeneous catalysis; ever the twain shall meet. Chemical Science, 2015, 6, 5338-5346.	3.7	75
17	A structure activity-relationship study of the bacterial signal molecule HHQ reveals swarming motility inhibition in Bacillus atrophaeus. Organic and Biomolecular Chemistry, 2015, 13, 5537-5541.	1.5	22
18	Osmium impregnated on magnetite as a heterogeneous catalyst for the syn-dihydroxylation of alkenes. Applied Catalysis A: General, 2014, 470, 177-182.	2.2	15

#	Article	IF	Citations
19	Multicomponent azideâ€“alkyne cycloaddition catalyzed by impregnated bimetallic nickel and copper on magnetite. RSC Advances, 2014, 4, 23943-23951.	1.7	26
20	Catalyzed addition of acid chlorides to alkynes by unmodified nano-powder magnetite: synthesis of chlorovinyl ketones, furans, and related cyclopentenone derivatives. Tetrahedron, 2013, 69, 7056-7065.	1.0	27
21	Environmentally friendly and regioselective C3-alkylation of indoles with alcohols through a hydrogen autotransfer strategy. Tetrahedron Letters, 2013, 54, 3394-3397.	0.7	48
22	Copper-Impregnated Magnetite as a Heterogeneous Catalyst for the Homocoupling of Terminal Alkynes. Synthesis, 2013, 45, 1373-1379.	1.2	24
23	Copper-Impregnated Magnetite as a Heterogeneous Catalyst for the Homocoupling of Terminal Alkynes. Synthesis, 2013, 45, 2768-2768.	1.2	3
24	First practical cross-alkylation of primary alcohols with a new and recyclable impregnated iridium on magnetite catalyst. Chemical Communications, 2012, 48, 7628.	2.2	62
25	Impregnated Platinum on Magnetite as an Efficient, Fast, and Recyclable Catalyst for the Hydrosilylation of Alkynes. ACS Catalysis, 2012, 2, 1070-1078.	5.5	79
26	Straightforward Synthesis of Aromatic Imines from Alcohols and Amines or Nitroarenes Using an Impregnated Copper Catalyst. European Journal of Organic Chemistry, 2012, 2012, 4548-4554.	1.2	56
27	Impregnated copper or palladiumâ€“copper on magnetite as catalysts for the domino and stepwise Sonogashira-cyclization processes: a straightforward synthesis of benzo[b]furans and indoles. Tetrahedron, 2012, 68, 1393-1400.	1.0	95
28	Impregnated Ruthenium on Magnetite as a Recyclable Catalyst for the N-Alkylation of Amines, Sulfonamides, Sulfinamides, and Nitroarenes Using Alcohols as Electrophiles by a Hydrogen Autotransfer Process. Journal of Organic Chemistry, 2011, 76, 5547-5557.	1.7	214
29	Transition-Metal-FreeO-,S-, andN-Arylation of Alcohols, Thiols, Amides, Amines, and Related Heterocycles. Journal of Organic Chemistry, 2011, 76, 654-660.	1.7	159
30	Impregnated palladium on magnetite as catalyst for multicomponent reductive amination reactions and other related reducing processes. Tetrahedron, 2011, 67, 8079-8085.	1.0	51
31	Impregnated palladium on magnetite, a new catalyst for the ligand-free cross-coupling Suzukiâ€“Miyaura reaction. Tetrahedron, 2011, 67, 5432-5436.	1.0	70
32	Unmodified Nano-Powder Magnetite or Iron(III) Oxide Catalyze the Easy and Fast Synthesis of 4-Substituted-4H-Pyrans. Synlett, 2011, 2011, 2017-2020.	1.0	4
33	Impregnated Copper on Magnetite as Recyclable Catalyst for the Addition of Alkoxy Diboron Reagents to Cî—¦C Double Bonds. Journal of Organic Chemistry, 2010, 75, 3458-3460.	1.7	55