

Rafael Cano

List of Publications by Year in descending order

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papers

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citations

331259

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#	ARTICLE	IF	CITATIONS
1	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. <i>Journal of Organic Chemistry</i> , 2011, 76, 5547-5557.	1.7	214
2	Transition-Metal-Free <i>O</i> -, <i>S</i> -, and <i>N</i> -Arylation of Alcohols, Thiols, Amides, Amines, and Related Heterocycles. <i>Journal of Organic Chemistry</i> , 2011, 76, 654-660.	1.7	159
3	Impregnated copper or palladium-copper on magnetite as catalysts for the domino and stepwise Sonogashira-cyclization processes: a straightforward synthesis of benzo[b]furans and indoles. <i>Tetrahedron</i> , 2012, 68, 1393-1400.	1.0	95
4	Direct Asymmetric Alkylation of Ketones: Still Unconquered. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9278-9290.	7.2	81
5	Impregnated Platinum on Magnetite as an Efficient, Fast, and Recyclable Catalyst for the Hydrosilylation of Alkynes. <i>ACS Catalysis</i> , 2012, 2, 1070-1078.	5.5	79
6	Direct arylation and heterogeneous catalysis; ever the twain shall meet. <i>Chemical Science</i> , 2015, 6, 5338-5346.	3.7	75
7	Recent advances in manganese-catalysed C-H activation: scope and mechanism. <i>Catalysis Science and Technology</i> , 2018, 8, 1251-1266.	2.1	72
8	Impregnated palladium on magnetite, a new catalyst for the ligand-free cross-coupling Suzuki-Miyaura reaction. <i>Tetrahedron</i> , 2011, 67, 5432-5436.	1.0	70
9	First practical cross-alkylation of primary alcohols with a new and recyclable impregnated iridium on magnetite catalyst. <i>Chemical Communications</i> , 2012, 48, 7628.	2.2	62
10	Straightforward Synthesis of Aromatic Imines from Alcohols and Amines or Nitroarenes Using an Impregnated Copper Catalyst. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4548-4554.	1.2	56
11	Impregnated Copper on Magnetite as Recyclable Catalyst for the Addition of Alkoxy Diboron Reagents to C=C Double Bonds. <i>Journal of Organic Chemistry</i> , 2010, 75, 3458-3460.	1.7	55
12	Impregnated palladium on magnetite as catalyst for multicomponent reductive amination reactions and other related reducing processes. <i>Tetrahedron</i> , 2011, 67, 8079-8085.	1.0	51
13	Environmentally friendly and regioselective C3-alkylation of indoles with alcohols through a hydrogen autotransfer strategy. <i>Tetrahedron Letters</i> , 2013, 54, 3394-3397.	0.7	48
14	Chromoselective access to Z- or E- allylated amines and heterocycles by a photocatalytic allylation reaction. <i>Nature Communications</i> , 2019, 10, 2634.	5.8	38
15	Impregnated palladium on magnetite as catalyst for direct arylation of heterocycles. <i>Tetrahedron</i> , 2016, 72, 1043-1050.	1.0	33
16	Catalyzed addition of acid chlorides to alkynes by unmodified nano-powder magnetite: synthesis of chlorovinyl ketones, furans, and related cyclopentenone derivatives. <i>Tetrahedron</i> , 2013, 69, 7056-7065.	1.0	27
17	Multicomponent azide-alkyne cycloaddition catalyzed by impregnated bimetallic nickel and copper on magnetite. <i>RSC Advances</i> , 2014, 4, 23943-23951.	1.7	26
18	Direkte asymmetrische Alkylierung von Ketonen: noch immer ein unerreichtes Ziel. <i>Angewandte Chemie</i> , 2017, 129, 9406-9418.	1.6	25

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19	The Bacteroidales produce an N-acylated derivative of glycine with both cholesterol-solubilising and hemolytic activity. <i>Scientific Reports</i> , 2017, 7, 13270.	1.6	25
20	Copper-Impregnated Magnetite as a Heterogeneous Catalyst for the Homocoupling of Terminal Alkynes. <i>Synthesis</i> , 2013, 45, 1373-1379.	1.2	24
21	Harnessing Bacterial Signals for Suppression of Biofilm Formation in the Nosocomial Fungal Pathogen <i>Aspergillus fumigatus</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 2074.	1.5	23
22	Exploiting Interkingdom Interactions for Development of Small-Molecule Inhibitors of <i>Candida albicans</i> Biofilm Formation. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5894-5905.	1.4	23
23	A structure activity-relationship study of the bacterial signal molecule HHQ reveals swarming motility inhibition in <i>Bacillus atrophaeus</i> . <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5537-5541.	1.5	22
24	The requirements at the C-3 position of alkylquinolones for signalling in <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 306-310.	1.5	19
25	Osmium impregnated on magnetite as a heterogeneous catalyst for the syn-dihydroxylation of alkenes. <i>Applied Catalysis A: General</i> , 2014, 470, 177-182.	2.2	15
26	Palladium(II) oxide impregnated on magnetite as a catalyst for the synthesis of 4-arylcoumarins via a Heck-arylation/cyclization process. <i>RSC Advances</i> , 2016, 6, 36932-36941.	1.7	12
27	Quinolones Modulate Ghrelin Receptor Signaling: Potential for a Novel Small Molecule Scaffold in the Treatment of Cachexia. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1605.	1.8	10
28	Switching acidic and basic catalysis through supramolecular functionalization in a porous 3D covalent imine-based material. <i>Catalysis Science and Technology</i> , 2019, 9, 6007-6014.	2.1	10
29	Asymmetric trifluoromethylthiolation of azlactones under chiral phase transfer catalysis. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2914-2920.	1.5	10
30	A structure-function analysis of interspecies antagonism by the 2-heptyl-4-alkyl-quinolone signal molecule from <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2020, 166, 169-179.	0.7	9
31	The search for an easily-prepared sparteine surrogate. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 1160-1167.	1.8	6
32	Unmodified Nano-Powder Magnetite or Iron(III) Oxide Catalyze the Easy and Fast Synthesis of 4-Substituted-4H-Pyrans. <i>Synlett</i> , 2011, 2011, 2017-2020.	1.0	4
33	Copper-Impregnated Magnetite as a Heterogeneous Catalyst for the Homocoupling of Terminal Alkynes. <i>Synthesis</i> , 2013, 45, 2768-2768.	1.2	3