

Mao-lin Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

609
citations

623734

14
h-index

677142

22
g-index

39
all docs

39
docs citations

39
times ranked

709
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Infrared-Light-Driven CO ₂ Reduction Over Ultrathin Metallic Ni-doped Co ₂ Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8705-8709.	13.8	108
2	Aqueous Phase Hydrogenation of Quinoline to Decahydroquinoline Catalyzed by Ruthenium Nanoparticles Supported on Glucose-Derived Carbon Spheres. <i>ChemCatChem</i> , 2014, 6, 2954-2960.	3.7	42
3	Divergent Synthesis of Isoquinolone and Isocoumarin Derivatives by the Annulation of Benzoic Acid with <i>N</i> -Vinyl Amide. <i>Organic Letters</i> , 2019, 21, 9425-9429.	4.6	35
4	Direct C-H Functionalization of Pyridine via a Transient Activator Strategy: Synthesis of 2,6-Diarylpyridines. <i>Organic Letters</i> , 2017, 19, 1970-1973.	4.6	28
5	Regioselective Direct C-H Trifluoromethylation of Pyridine. <i>Organic Letters</i> , 2020, 22, 7108-7112.	4.6	27
6	Ru ^{II} -benzene-phosphine complex-catalyzed transfer hydrogenation of ketones. <i>Applied Organometallic Chemistry</i> , 2011, 25, 626-631.	3.5	26
7	Palladium-Catalyzed Domino Reaction for Stereoselective Synthesis of Multisubstituted Olefins: Construction of Blue Luminogens. <i>Journal of Organic Chemistry</i> , 2018, 83, 4441-4454.	3.2	26
8	Stereodivergent Synthesis of Alkenylpyridines via Pd/Cu Catalyzed C-H Alkenylation of Pyridinium Salts with Alkynes. <i>Organic Letters</i> , 2020, 22, 7814-7819.	4.6	22
9	Synthesis of 2-Formylpyrroles from Pyridinium Iodide Salts. <i>Organic Letters</i> , 2020, 22, 6107-6111.	4.6	22
10	C ₆ -Selective Direct Arylation of 2-Phenylpyridine <i>via</i> an Activated <i>N</i> -methylpyridinium Salt: A Combined Experimental and Theoretical Study. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3990-3998.	4.3	21
11	Iridium-Catalyzed Alkylation of Amine and Nitrobenzene with Alcohol to Tertiary Amine under Base- and Solvent-Free Conditions. <i>Journal of Organic Chemistry</i> , 2019, 84, 2158-2168.	3.2	19
12	High Active and Regioselective Hydroformylation of 1-Dodecene Catalyzed by Rh-BISBIS in a Two-Phase System. <i>Catalysis Letters</i> , 2004, 94, 15-16.	2.6	18
13	Ruthenium nanoparticles on colloidal carbon spheres: An efficient catalyst for hydrogenation of ethyl lactate in aqueous phase. <i>Catalysis Communications</i> , 2013, 40, 37-41.	3.3	16
14	Combination of RuCl ₃ ·xH ₂ O with PEG as a simple and recyclable catalytic system for direct arylation of heteroarenes via C-H bond activation. <i>RSC Advances</i> , 2017, 7, 23515-23522.	3.6	16
15	Visible-Light-Induced Oxazoline Formations from <i>N</i> -Vinyl Amides Catalyzed by an Ion-Pair Charge-Transfer Complex. <i>ACS Catalysis</i> , 2021, 11, 11762-11773.	11.2	14
16	Construction of pincer-type symmetrical ruthenium(η^6) complexes bearing pyridyl-2,6-pyrazolyl arms: catalytic behavior in transfer hydrogenation of ketones. <i>RSC Advances</i> , 2014, 4, 52734-52739.	3.6	12
17	Homogeneous hydroformylation of long chain alkenes catalyzed by water soluble phosphine rhodium complex in CH ₃ OH and efficient catalyst cycling. <i>RSC Advances</i> , 2019, 9, 7382-7387.	3.6	12
18	Efficient Infrared-Light-Driven CO ₂ Reduction Over Ultrathin Metallic Ni-doped Co ₂ Nanosheets. <i>Angewandte Chemie</i> , 2021, 133, 8787-8791.	2.0	11

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19	Selective Rhodium-Catalyzed Hydroformylation of Terminal Arylalkynes and Conjugated Enynes to (Poly)enals Enabled by a π -Acceptor Biphosphoramidite Ligand. <i>Organic Letters</i> , 2021, 23, 6067-6072.	4.6	11
20	Rh(III)-Catalyzed [4 + 2] Self-Annulation of <i>N</i> -Vinylarylamides. <i>Organic Letters</i> , 2018, 20, 6755-6759.	4.6	10
21	Iridium-Catalyzed Benzylamine C-H Alkenylation Enabled by Pentafluorobenzoyl as the Directing Group. <i>Organic Letters</i> , 2019, 21, 1002-1006.	4.6	10
22	Highly Regioselective and Active Rhodium/Bisphosphite Catalytic System for Isomerization-Hydroformylation of 2-Butene. <i>Catalysis Letters</i> , 2012, 142, 238-242.	2.6	9
23	Rhodium/bisphosphite catalytic system for hydroformylation of styrene and its derivatives. <i>Applied Organometallic Chemistry</i> , 2013, 27, 474-478.	3.5	9
24	Nonaqueous Biphasic Hydroformylation of Long Chain Alkenes Catalyzed by Water Soluble Phosphine Rhodium Catalyst with Polyethylene Glycol Instead of Water. <i>Catalysis Letters</i> , 2018, 148, 438-442.	2.6	9
25	Visible-light-initiated catalyst-free oxidative cleavage of (<i>Z</i>)-triaryl-substituted alkenes containing pyridyl motif under ambient conditions. <i>Green Chemistry</i> , 2021, 23, 3649-3655.	9.0	9
26	Aqueous biphasic hydroformylation of higher alkenes and highly efficient catalyst recycling in the presence of a polar low boiling solvent. <i>Transition Metal Chemistry</i> , 2016, 41, 599-603.	1.4	8
27	Iodination/Amidation of the <i>N</i> -Alkyl (Iso)quinolinium Salts. <i>Journal of Organic Chemistry</i> , 2021, 86, 716-730.	3.2	8
28	Palladium-Catalyzed Direct Arylation of Alkylpyridine via Activated <i>N</i> -Methylpyridinium Salts. <i>Journal of Organic Chemistry</i> , 2020, 85, 622-632.	3.2	7
29	Electrochemical Cross-Dehydrogenative Aromatization Protocol for the Synthesis of Aromatic Amines. <i>Organic Letters</i> , 2022, 24, 1011-1016.	4.6	7
30	Synthesis and application of PNP pincer ligands in rhodium-catalyzed hydroformylation of cycloolefins. <i>RSC Advances</i> , 2016, 6, 107305-107309.	3.6	6
31	A Novel Strategy of Homogeneous Catalysis and Highly Efficient Recycling of Aqueous Catalyst for the Hydroformylation of Higher Olefins Based on a Simple Methanol/Water Mixed Solvent. <i>Catalysis Letters</i> , 2021, 151, 1273-1281.	2.6	6
32	A new air-stable and reusable tetraphosphine ligand for rhodium-catalyzed hydroformylation of terminal olefins at low temperature. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4646.	3.5	5
33	Acceptorless Dehydrogenative Cross-Coupling of Primary Alcohols Catalyzed by an <i>N</i> -Heterocyclic Carbene-Nitrogen-Phosphine Chelated Ruthenium(II) Complex. <i>Journal of Organic Chemistry</i> , 2022, 87, 4550-4559.	3.2	5
34	Practical Synthesis of (<i>Z</i>)- β,β -Unsaturated Nitriles via a One-Pot Sequential Hydroformylation/Knoevenagel Reaction. <i>Journal of Organic Chemistry</i> , 2021, 86, 15413-15422.	3.2	3
35	Visible light-induced synthesis of (<i>Z</i>)- β -iodoenamides from <i>N</i> -vinyl amides mediated by the ion pair charge transfer state. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1975-1981.	4.5	3
36	Facile Synthesis of 2-Methylnicotinonitrile through Degenerate Ring Transformation of Pyridinium Salts. <i>Journal of Organic Chemistry</i> , 2022, 87, 7975-7988.	3.2	3

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37	Hydroformylation of 2,5-ε-norbornadiene in organic/aqueous two-phase system and acceleration by cationic surfactants. <i>Applied Organometallic Chemistry</i> , 2016, 30, 335-340.	3.5	2
38	A novel biphasic and recyclable system based on formamide for the hydroformylation of long-chain alkenes with water-soluble phosphine rhodium catalyst. <i>Molecular Catalysis</i> , 2021, 505, 111502.	2.0	2
39	Catalytic hydrogenation of CO ₂ with unsymmetric N-heterocyclic carbene-“nitrogen”-phosphine ruthenium complexes. <i>Catalysis Science and Technology</i> , 2021, 11, 6965-6969.	4.1	2