

Mengchun Ye

List of Publications by Year in descending order

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55
papers

3,050
citations

236925

25
h-index

161849

54
g-index

68
all docs

68
docs citations

68
times ranked

2751
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrrrolidine π -Thiourea as a Bifunctional Organocatalyst: Highly Enantioselective Michael Addition of Cyclohexanone to Nitroolefins. <i>Organic Letters</i> , 2006, 8, 2901-2904.	4.6	328
2	Ligand-Promoted C-3 Selective C α -H Olefination of Pyridines with Pd Catalysts. <i>Journal of the American Chemical Society</i> , 2011, 133, 6964-6967.	13.7	311
3	Pd(II)-Catalyzed Phosphorylation of Aryl C α -H Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 9322-9325.	13.7	280
4	Ligand-Promoted C3-Selective Arylation of Pyridines with Pd Catalysts: Gram-Scale Synthesis of (A \pm)-Preclamol. <i>Journal of the American Chemical Society</i> , 2011, 133, 19090-19093.	13.7	243
5	Controllable Enantioselective Friedel-Crafts Reaction between Indoles and Alkylidene Malonates Catalyzed by Pseudo-C3-Symmetric Trisoxazoline Copper(II) Complexes. <i>Journal of Organic Chemistry</i> , 2004, 69, 1309-1320.	3.2	160
6	Enantioselective Ni π -Al Bimetallic Catalyzed <i>exo</i> -Selective C α -H Cyclization of Imidazoles with Alkenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 5360-5364.	13.7	120
7	Trisoxazoline/Cu(II)-Promoted Kinugasa Reaction. Enantioselective Synthesis of β -Lactams. <i>Journal of Organic Chemistry</i> , 2006, 71, 3576-3582.	3.2	107
8	A robust protocol for Pd(ii)-catalyzed C-3 arylation of (1H) indazoles and pyrazoles: total synthesis of nigellidine hydrobromide. <i>Chemical Science</i> , 2013, 4, 2374.	7.4	93
9	Diastereoselectivity-Switchable and Highly Enantioselective 1,3-Dipolar Cycloaddition of Nitrones to Alkylidene Malonates. <i>Organic Letters</i> , 2004, 6, 1677-1679.	4.6	87
10	Chiral tris(oxazoline)/Cu(ii) catalyzed coupling of terminal alkynes and nitrones Electronic supplementary information (ESI) available: experimental. See http://www.rsc.org/suppdata/cc/b3/b306653c/ . <i>Chemical Communications</i> , 2003, , 2554.	4.1	78
11	Ligand π -Accelerated Direct C α -H Arylation of BINOL: A Rapid One-Step Synthesis of Racemic 3,3 π -Diaryl BINOLs. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14116-14120.	13.8	73
12	Transition Metal π -Catalyzed Allylic C(sp ³) π -H Functionalization <i>via</i> π -Allylmetal Intermediate. <i>Chinese Journal of Chemistry</i> , 2019, 37, 720-743.	4.9	71
13	Ni π -Al Bimetallic Catalyzed Enantioselective Cycloaddition of Cyclopropyl Carboxamide with Alkyne. <i>Journal of the American Chemical Society</i> , 2017, 139, 18150-18153.	13.7	67
14	A directive Ni catalyst overrides conventional site selectivity in pyridine C α -H alkenylation. <i>Nature Chemistry</i> , 2021, 13, 1207-1213.	13.6	67
15	Amide-Ligand-Controlled Highly <i>para</i> -Selective Arylation of Monosubstituted Simple Arenes with Arylboronic Acids. <i>Journal of the American Chemical Society</i> , 2017, 139, 1786-1789.	13.7	66
16	Enantioselective Twofold C α -H Annulation of Formamides and Alkynes without Built-in Chelating Groups. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9428-9432.	13.8	56
17	Conformational Variations of Both Phosphodiesterase-5 and Inhibitors Provide the Structural Basis for the Physiological Effects of Vardenafil and Sildenafil. <i>Molecular Pharmacology</i> , 2008, 73, 104-110.	2.3	55
18	Modular Synthesis of Chiral Homo- and Heterotrissoxazolines. Improving the Enantioselectivity in the Asymmetric Michael Addition of Indole to Benzylidene Malonate. <i>Journal of Organic Chemistry</i> , 2005, 70, 6108-6110.	3.2	54

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19	Carbamoyl Fluoride-Enabled Enantioselective Ni-Catalyzed Carbocarbamoylation of Unactivated Alkenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 19844-19849.	13.7	49
20	Base-free nickel-catalyzed hydroboration of simple alkenes with bis(pinacolato)diboron in an alcoholic solvent. <i>Green Chemistry</i> , 2017, 19, 4498-4502.	9.0	45
21	Sidarm Approach: A Promising Strategy for Construction of Bisoxazoline-Based Ligand Library. <i>ACS Combinatorial Science</i> , 2004, 6, 301-304.	3.3	42
22	Recent advances in Ni ^{II} /Al bimetallic catalysis for unreactive bond transformation. <i>Science China Chemistry</i> , 2018, 61, 1004-1013.	8.2	39
23	Iron-Catalyzed Regioselective Transfer Hydrogenative Couplings of Unactivated Aldehydes with Simple Alkenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6315-6318.	13.8	35
24	Chiral Aluminum Complex Controls Enantioselective Nickel-Catalyzed Synthesis of Indenes: C ^α /CN Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7439-7443.	13.8	32
25	Selective C(sp ³)-H Cleavage of Enamides for Synthesis of 2-Pyridones via Ligand-Enabled Ni ^{II} /Al Bimetallic Catalysis. <i>ACS Catalysis</i> , 2021, 11, 858-864.	11.2	30
26	Ligand-Promoted Iron(III)-Catalyzed Hydrofluorination of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7097-7101.	13.8	29
27	Ligand-Accelerated Direct C ^α -H Arylation of BINOL: A Rapid One-Step Synthesis of Racemic 3,3'-Diaryl BINOLs. <i>Angewandte Chemie</i> , 2016, 128, 14322-14326.	2.0	26
28	Ligand-Enabled Ni ^{II} /Al Bimetallic Catalysis for Nonchelated Dual C ^α -H Annulation of Arylformamides and Alkynes. <i>Organic Letters</i> , 2020, 22, 2230-2234.	4.6	26
29	Ligand-Controlled Ni(O)/Al(III) Bimetal-Catalyzed C ³ -H Alkenylation of 2-Pyridones by Reversing Conventional Selectivity. <i>ACS Catalysis</i> , 2021, 11, 4606-4612.	11.2	26
30	DMF-Promoted Redox-Neutral Ni-Catalyzed Intramolecular Hydroarylation of Alkene with Simple Arene. <i>ACS Catalysis</i> , 2018, 8, 3913-3917.	11.2	25
31	Construction 7-membered ring via Ni ^{II} /Al bimetal-enabled C ^α -H cyclization for synthesis of tricyclic imidazoles. <i>Nature Communications</i> , 2021, 12, 3070.	12.8	25
32	Bimetallic anchoring catalysis for C-H and C-C activation. <i>Science China Chemistry</i> , 2021, 64, 1923-1937.	8.2	24
33	Insight into Binding of Phosphodiesterase-9A Selective Inhibitors by Crystal Structures and Mutagenesis. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 1726-1731.	6.4	23
34	Structural Insight into the Substrate Specificity of Phosphodiesterases. <i>Handbook of Experimental Pharmacology</i> , 2011, , 121-134.	1.8	23
35	Brønsted Acid Enabled Nickel-Catalyzed Hydroalkenylation of Aldehydes with Styrene and its Derivatives. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5068-5071.	13.8	23
36	NHC ligand-enabled Ni-catalyzed reductive coupling of alkynes and imines using isopropanol as a reductant. <i>Green Chemistry</i> , 2019, 21, 2240-2244.	9.0	22

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37	Ni-Catalyzed Dual C-H Annulation of Benzimidazoles with Alkynes for Synthesis of β -Extended Heteroarenes. <i>Organic Letters</i> , 2021, 23, 4034-4039.	4.6	19
38	Trisoxazoline/Cu(II)-catalyzed asymmetric intramolecular Friedel-Crafts alkylation reaction of indoles. <i>Tetrahedron</i> , 2009, 65, 6877-6881.	1.9	18
39	Ni-catalyzed hydroarylation of alkynes with unactivated $\text{C}(\text{sp}^2)\text{-H}$ bonds. <i>Nature Communications</i> , 2022, 13, .	12.8	18
40	Well-Designed Chiral Ligands for Enantioselective Ir-Catalyzed $\text{C}(\text{sp}^2)\text{-H}$ Borylation. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1762-1766.	4.9	17
41	Ni-catalyzed hydroaminoalkylation of alkynes with amines. <i>Nature Communications</i> , 2021, 12, 3800.	12.8	16
42	$\text{P}(\text{NMe}_2)_3$ -promoted ortho-selective arylation of phenols with diaryliodonium triflates via rhodium catalysis. <i>Tetrahedron</i> , 2017, 73, 3591-3595.	1.9	15
43	Identification of a PDE4-Specific Pocket for the Design of Selective Inhibitors. <i>Biochemistry</i> , 2018, 57, 4518-4525.	2.5	12
44	Nickel-Catalyzed Reductive Coupling of Aldehydes with Alkynes Mediated by Alcohol β . <i>Chinese Journal of Chemistry</i> , 2020, 38, 489-493.	4.9	12
45	Transition Metal-Catalyzed C-P Bond Activation. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 3880.	1.3	12
46	Enantioselective Twofold C-H Annulation of Formamides and Alkynes without Built-in Chelating Groups. <i>Angewandte Chemie</i> , 2020, 132, 9514-9518.	2.0	8
47	Iron-Catalyzed Regioselective Transfer Hydrogenative Couplings of Unactivated Aldehydes with Simple Alkenes. <i>Angewandte Chemie</i> , 2016, 128, 6423-6426.	2.0	7
48	Construction of Medium Rings via Transition Metal-Catalyzed Insertion of β -Unsaturated Compounds into C-H Bonds. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 3196.	1.3	7
49	Diastereoselective Tandem Michael Additions of Indoles to 3-Nitrocoumarin Derivatives and Methyl Vinyl Ketone. <i>Synlett</i> , 2006, 2006, 1240-1244.	1.8	6
50	Ligand-Promoted Iron(III)-Catalyzed Hydrofluorination of Alkenes. <i>Angewandte Chemie</i> , 2019, 131, 7171-7175.	2.0	6
51	Chiral Aluminum Complex Controls Enantioselective Nickel-Catalyzed Synthesis of Indenes: C-CN Bond Activation. <i>Angewandte Chemie</i> , 2020, 132, 7509-7513.	2.0	4
52	Recent Progress in Base Metal Catalyzed (Transfer) Hydrogenative Couplings of Carbonyls with β -Unsaturated Compounds. <i>Synlett</i> , 2016, 27, 2401-2406.	1.8	3
53	Nickel- and Brønsted Acid-Catalyzed Redox-Neutral Coupling of 1,3-Dienes and Aldehydes for Synthesis of Dienols. <i>CCS Chemistry</i> , 2021, 3, 955-963.	7.8	3
54	Iron-Catalyzed Intramolecular Reductive Coupling of Unactivated Aldehydes and Arylalkenes with Isopropanol. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 554-557.	2.7	3

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55	Brønsted Acid Enabled Nickel-Catalyzed Hydroalkenylation of Aldehydes with Styrene and its Derivatives. <i>Angewandte Chemie</i> , 2018, 130, 5162-5165.	2.0	2