Yu-Long Zhao

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Ethynyl Ketene-S,S-acetals:Â The Highly Reactive Electron-Rich Dienophiles and Applications in the Synthesis of 4-Functionalized Quinolines via a One-Pot Three-Component Reaction. Journal of Organic Chemistry, 2007, 72, 4985-4988.	3.2	67
2	Activation of Î±â€Diazocarbonyls by Organic Catalysts: Diazo Group Acting as a Strong Nâ€Terminal Electrophile. Angewandte Chemie - International Edition, 2015, 54, 12107-12111.	13.8	56
3	A Highly Practical and Reliable Nickel Catalyst for Suzukiâ€"Miyaura Coupling of Aryl Halides. Advanced Synthesis and Catalysis, 2011, 353, 1543-1550.	4.3	55
4	Copper(ii)-catalyzed oxidative [3+2] cycloaddition reactions of secondary amines with Î±-diazo compounds: a facile and efficient synthesis of 1,2,3-triazoles. Chemical Communications, 2015, 51, 11564-11567.	4.1	55
5	Gold/Copper-Co-catalyzed Tandem Reactions of 2-Alkynylanilines: AÂSynthetic Strategy for the C2-Quaternary Indolin-3-ones. Organic Letters, 2017, 19, 1160-1163.	4.6	43
6	Highly Efficient Access to Biâ€•and Tricyclic Ketals through Goldâ€Catalyzed Tandem Reactions of 4â€Acylâ€1,6â€diynes. Chemistry - A European Journal, 2009, 15, 1830-1834.	3.3	42
7	Metalâ€Free 2,3â€Dichloroâ€5,6â€dicyanoâ€1,4â€benzoquinone (DDQ)â€Mediated Crossâ€Dehydrogenativeâ€Coupling (CDC) of Benzylic C(<i>sp</i>³)ï£¿H Bonds and Vinylic C(<i>sp</i>²)ï£¿H Bonds: Efficient Oneâ€Pot Synthesis of 1<i>H</i>â€Indenes. Advanced Synthesis and Catalysis, 2014, 356, 3157-3163.	4.3	41
8	Copper-Catalyzed Cascade Cyclization Reactions of Diazo Compounds with <i>tert</i>-Butyl Nitrite and Alkynes: One-Pot Synthesis of Isoxazoles. Journal of Organic Chemistry, 2019, 84, 16214-16221.	3.2	40
9	Rhodiumâ€Catalyzed Tandem Reaction of Isocyanides with Trifluorodiazoethane and Nucleophiles: Divergent Synthesis of Trifluoroethylâ€Substituted Isoquinolines, Imidates, and Amidines. Advanced Synthesis and Catalysis, 2018, 360, 2945-2951.	4.3	38
10	Tandem [5+1] annulationâ€"isocyanide cyclization: efficient synthesis of hydroindolones. Chemical Communications, 2011, 47, 12316.	4.1	37
11	Rhodium-Catalyzed Couplingâ€"Cyclization of Alkenyldiazoacetates with <i>o</i>-Alkenyl Arylisocyanides: A General Route to Carbazoles. Organic Letters, 2019, 21, 2973-2977.	4.6	37
12	Base-Promoted Oxidative Câ€"H Functionalization of Î±-Amino Carbonyl Compounds under Mild Metal-Free Conditions: Using Molecular Oxygen as the Oxidant. Organic Letters, 2015, 17, 370-373.	4.6	34
13	Heteroatom-Substituted Expanded Radialenes:Â One-Pot Synthesis and Characterization of Expanded 1,3-Dithiolane[n]radialenes. Journal of Organic Chemistry, 2005, 70, 6913-6917.	3.2	32
14	Silver-Catalyzed Cascade Cyclization Reaction of Isocyanides with Sulfoxonium Ylides: Synthesis of 3-Aminofurans and 4-Aminoquinolines. Organic Letters, 2020, 22, 7640-7644.	4.6	31
15	DBUâ€Catalyzed [3+3] and [3+2] Annulation Reactions of Azomethine Ylides with Î±â€Diazocarbonyls as <i>N</i>â€Terminal Electrophiles: Modular, Atomâ€Economical Access to 1,2,4â€Triazine and 1,2,4â€Triazole Derivatives. Advanced Synthesis and Catalysis, 2018, 360, 2172-2177.	4.3	30
16	Synthesis of Acridines and Persubstituted Phenols from Cyclobutenones and Active Methylene Ketones. Journal of Organic Chemistry, 2012, 77, 5173-5178.	3.2	29
17	Base-catalyzed bicyclization of dialkyl glutaconates with cinnamoylacetamides: a synthetic strategy for isoquinolinedione derivatives. Chemical Communications, 2014, 50, 6458.	4.1	29
18	Copperâ€Catalyzed Cascade Cyclization Reactions of Isocyanides with Î±â€Diazocarbonyls as Nâ€Terminal Electrophiles: Efficient Synthesis of 2â€Imidazolines and 1,1â€²â€Biimidazoles. Advanced Synthesis and Catalysis, 2017, 359, 351-356.	4.3	29

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19	A rhodium-catalyzed three-component reaction of arylisocyanides, trifluorodiazoethane, and activated methylene isocyanides or azomethine ylides: an efficient synthesis of trifluoroethyl-substituted imidazoles. Organic Chemistry Frontiers, 2019, 6, 3657-3662.	4.5	28
20	Bicyclization of Diazomethanes: A Synthetic Strategy for Fused Pyrazoles. Advanced Synthesis and Catalysis, 2013, 355, 1540-1544.	4.3	27
21	[3+2]â€‰Cycloaddition of Propargylamines and Î±â€Acylketene Dithioacetals: A Synthetic Strategy for Highly Substituted Pyrroles. Advanced Synthesis and Catalysis, 2012, 354, 3545-3550.	4.3	26
22	Copper-Catalyzed Cascade Cyclization Reaction of Enamines and Electron-Deficient Terminal Alkynes: Synthesis of Polysubstituted Pyrido[1,2-<i>a</i>]indoles. Organic Letters, 2020, 22, 36-40.	4.6	25
23	Photocatalytic C(sp³)â€"O/N Cross-Couplings by NaIâ€"PPh₃/CuBr Cooperative Catalysis: Computational Design and Experimental Verification. ACS Catalysis, 2021, 11, 6633-6642.	11.2	24
24	Highly efficient synthesis of 3-amino-/alkylthio-cyclobut-2-en-1-ones based on the cyclization of acyl ketene dithioacetals. Chemical Communications, 2010, 46, 7614.	4.1	23
25	Rhodium-catalyzed homodimerizationâ€"cyclization reaction of two vinyl isocyanides: a general route to 2-(isoquinolin-1-yl)oxazoles. Organic Chemistry Frontiers, 2020, 7, 126-130.	4.5	22
26	A Synthetic Strategy for Polyfunctionalized Bicyclo[3.3.1]nonanes Based on a Tandem Three-Component [3 + 2] Cycloaddition of Î±-Cinnamoyl Ketene-<i>S</i>,<i>S</i>-acetals with Oxalyl Chloride. Journal of Organic Chemistry, 2009, 74, 5622-5625.	3.2	21
27	Rhodium-Catalyzed Tandem Reaction of Isocyanides with Azides and Oxygen Nucleophiles: Synthesis of Isoureas. Journal of Organic Chemistry, 2019, 84, 53-59.	3.2	21
28	Palladacycles derived from arylphosphinamides for mild Suzukiâ€"Miyaura cross-couplings. RSC Advances, 2015, 5, 69776-69781.	3.6	19
29	Rhodiumâ€Catalyzed Oxidative Coupling Reaction of Isocyanides with Alcohols or Amines and Molecular Oxygen as Oxygen Source: Synthesis of Carbamates and Ureas. European Journal of Organic Chemistry, 2017, 2017, 1132-1138.	2.4	19
30	Acid/Base-Co-catalyzed Formal Baeyerâ€"Villiger Oxidation Reaction of Ketones: Using Molecular Oxygen as the Oxidant. Organic Letters, 2018, 20, 4862-4866.	4.6	19
31	Zn(OAc)₂-catalyzed tandem cyclization of isocyanides, Î±-diazoketones, and anhydrides: a general route to polysubstituted maleimides. Chemical Communications, 2019, 55, 12519-12522.	4.1	19
32	Rhodium/copper-cocatalyzed coupling-cyclization of <i>o</i>-alkenyl arylisocyanides with vinyl azides: one-pot synthesis of Î±-carbolines. Organic Chemistry Frontiers, 2020, 7, 3493-3498.	4.5	18
33	A base-catalyzed cycloisomerization of 5-cyano-pentyne derivatives: an efficient synthesis of 3-cyano-4,5-dihydro-1H-pyrroles. Chemical Communications, 2014, 50, 12490-12492.	4.1	16
34	Acid/Baseâ€Coâ€catalyzed Direct Oxidative Î±â€Amination of Cyclic Ketones: Using Molecular Oxygen as the Oxidant. Advanced Synthesis and Catalysis, 2018, 360, 455-461.	4.3	14
35	Thermally induced formal [4+2] cycloaddition of 3-aminocyclobutenones with electron-deficient alkynes: facile and efficient synthesis of 4-pyridones. Chemical Communications, 2018, 54, 8229-8232.	4.1	14
36	Synthesis of pyrazolo[1,5-<i>c</i>]quinazoline derivatives through the copper-catalyzed domino reaction of <i>o</i>-alkenyl aromatic isocyanides with diazo compounds. Chemical Communications, 2020, 56, 7665-7668.	4.1	13

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37	Copper(II)â€catalyzed Domino Reaction of the Acyclic Keteneâ€(S , S)â€Acetals with Diazo Compounds: Convenient Synthesis of Polyâ€substituted Thiophenes. Advanced Synthesis and Catalysis, 2019, 361, 5684-5689.	4.3	12
38	NaN(SiMe₃)₂/CsTFA Copromoted Aminobenzylation/Cyclization of 2-Isocyanobenzaldehydes with Toluene Derivatives or Benzyl Compounds: One-Pot Access to Dihydroquinazolines and Quinazolines. Journal of Organic Chemistry, 2022, 87, 3156-3166.	3.2	12
39	<i>t</i>BuLiâ€Promoted Intermolecular Regioselective Nucleophilic Addition of Arenes to Diazo Compounds as Nâ€Terminal Electrophiles: Efficient Synthesis of Hydrazine Derivatives. European Journal of Organic Chemistry, 2017, 2017, 6137-6145.	2.4	11
40	Azo-coupling Decarboxylation Reaction ofÎ±-Carboxy Ketene Dithioacetals in Waterâ€"a New Route to 1,2-Diaza-1,3-butadienes. Chinese Journal of Chemistry, 2006, 24, 1431-1434.	4.9	10
41	Protonâ€Promoted Hydroamination of 3â€Dialkylthiomethyleneâ€1,4â€pentadiynes with <i>o</i>â€Phenylenediamines: A Facile Route to Benzo[<i>b</i>][1,4]diazepines. Advanced Synthesis and Catalysis, 2008, 350, 1537-1543.	4.3	10
42	PPTSâ€Catalyzed Bicyclization Reaction of 2â€Isocyanobenzaldehydes with Various Amines: Synthesis of Diverse Fused Quinazolines. Advanced Synthesis and Catalysis, 2021, 363, 1923-1929.	4.3	9
43	FIRST SYNTHESIS OF SINGLE AND MIXED Î±-OXO KETENE DITHIOACETALS FROM ACTIVE METHENYL PRECURSORS. Synthetic Communications, 2002, 32, 2369-2376.	2.1	8
44	Palladiumâ€Catalyzed Silverâ€Mediated Î±â€Arylation of Acetic Acid: A New Approach for the Î±â€Arylation of Carbonyl Compounds. ChemCatChem, 2014, 6, 1589-1593.	3.7	8
45	Rhodium-catalyzed coupling-cyclization reaction of isocyanides and 2-azidophenyloxyacrylates: synthesis of <i>N</i>-(3-substituted benzo[<i>d</i>]oxazol-2(3<i>H</i>)-ylidene)amines and dihydrobenzo[<i>d</i>]oxazoles. Organic Chemistry Frontiers, 2022, 9, 407-412.	4.5	8
46	DBU-mediated metal-free oxidative cyanation of Î±-amino carbonyl compounds: using molecular oxygen as the oxidant. Organic and Biomolecular Chemistry, 2016, 14, 165-171.	2.8	7
47	Oneâ€Pot Synthesis of Phenanthridinones by Using a Baseâ€Catalyzed/Promoted Bicyclization of Î±,Î²â€Unsaturated Carbonyl Compounds with Dimethyl Glutaconate. European Journal of Organic Chemistry, 2015, 2015, 4892-4899.	2.4	6
48	Copper-catalyzed cascade cyclization reaction of 3-aminocyclobutenones with electron-deficient internal alkynes: synthesis of fully substituted indoles. Chemical Communications, 2020, 56, 9815-9818.	4.1	6
49	CuI-Catalyzed, One-Pot, Three-Component Huisgen Cycloaddition Reaction of Conjugated Enynes and In Situâ€"Generated Azides. Synthetic Communications, 2013, 43, 2119-2126.	2.1	4
50	Rhodium-catalyzed coupling-cyclization of<i>o</i>-alkynyl/propargyl arylazides or<i>o</i>-azidoaryl acetylenic ketones with arylisocyanides: synthesis of 6<i>H</i>-indolo[2,3-<i>b</i>]quinolines, dibenzonaphthyridones and dihydrodibenzo[<i>b</i>,<i>g</i>] [1,8]-naphthyridines. Organic Chemistry Frontiers, 2022, 9, 4453-4459.	4.5	4