Yu-Lei Zhao

List of Publications by Year
in descending order

32 papers	949 citations	516710 16 h-index	454955 30 g-index
38 all docs	38 docs citations	38 times ranked	782 citing authors

#	Article	IF	Citations
1	Oneâ€Pot Tandem Approach to Spirocyclic Oxindoles Featuring Adjacent Spiroâ€Stereocenters. Angewandte Chemie - International Edition, 2013, 52, 13735-13739.	13.8	197
2	Sequential Au(<scp>i</scp>)/chiral tertiary amine catalysis: a tandem Câ€“H functionalization of anisoles or a thiophene/asymmetric Michael addition sequence to quaternary oxindoles. Chemical Communications, 2016, 52, 2537-2540.	4.1	97
3	Recent developments of nanoenzyme-based colorimetric sensors for heavy metal detection and the interaction mechanism. Analyst, The, 2020, 145, 3173-3187.	3.5	67
4	Insertion of Isolated Alkynes into Carbonâ€“Carbon Ïƒâ€Bonds of Unstrained Cyclic Î²â€Ketoesters via Transitionâ€Metalâ€Free Tandem Reactions: Synthesis of Mediumâ€Sized Ring Compounds. Chemistry - A European Journal, 2016, 22, 17936-17939.	3.3	56
5	Asymmetric sequential Au(<scp>i</scp>)/chiral tertiary amine catalysis: an enone-formation/cyanosilylation sequence to synthesize optically active 3-alkenyloxindoles from diazooxindoles. Chemical Communications, 2016, 52, 3943-3946.	4.1	50
6	Highly enantioselective Michael addition of 3-arylthio- and 3-alkylthiooxindoles to nitroolefins catalyzed by a simple cinchona alkaloid derived phosphoramide. Chemical Communications, 2014, 50, 15179-15182.	4.1	38
7	Metal/Benzoyl Peroxide (BPO)-Controlled Chemoselective Cycloisomerization of (o-Alkynyl)phenyl Enaminones: Synthesis of Î±-Naphthylamines and Indeno[1,2-c]pyrrolones. Organic Letters, 2016, 18, 5150-5153.	4.6	36
8	Reductive CO₂ Fixation via the Selective Formation of Câ€“C Bonds: Bridging Enaminones and Synthesis of 1,4-Dihydropyridines. Organic Letters, 2020, 22, 8326-8331.	4.6	34
9	Organocatalytic Asymmetric Cyclization Reaction of 2â€Alkynylâ€3,3â€Difluoroâ€3Hâ€Indoles and 2â€Mercaptoimidazoles: Access to gemâ€Difluorinated C2â€Spiro Indolines. Advanced Synthesis and Catalysis, 2019, 361, 1408-1413.	4.3	27
10	One-Pot Methylenationâ€“Cyclization Employing Two Molecules of CO2 with Arylamines and Enaminones. Journal of Organic Chemistry, 2020, 85, 912-923.	3.2	27
11	TBAF-CatalyzedO-Nucleophilic Cyclization of Enaminones: A Process for the Synthesis of Dihydroisobenzofuran Derivatives. Journal of Organic Chemistry, 2019, 84, 1379-1386.	3.2	23
12	Oneâ€Pot Tandem Protocol for the Synthesis of 1,3â€Bis(Î²â€aminoacrylate)â€Substituted 2â€Mercaptoimidazole Scaffolds. Advanced Synthesis and Catalysis, 2020, 362, 3635-3643.	4.3	23
13	Gold-catalyzed chemo- and diastereoselective C(sp²)â€“H functionalization of enaminones for the synthesis of pyrrolo[3,4-c]-quinolin-1-one derivatives. Organic and Biomolecular Chemistry, 2016, 14, 2177-2181.	2.8	20
14	Catalyst-Free and Transition-Metal-Free Approach to 1,2-Diketones via Aerobic Alkyne Oxidation. Journal of Organic Chemistry, 2021, 86, 5354-5361.	3.2	20
15	Hydrosilane-Assisted Synthesis of Urea Derivatives from CO₂ and Amines. Journal of Organic Chemistry, 2020, 85, 13347-13353.	3.2	19
16	Tertiary amine self-catalyzed intramolecular Csp3â€“H functionalization with in situ generated allenes for the formation of 3-alkenyl indolines. Chemical Communications, 2017, 53, 3721-3724.	4.1	18
17	Mechanism and Origin of Ligand-Controlled Chemo- and Regioselectivities in Palladium-Catalyzed Methoxycarbonylation of Alkynes. Journal of Organic Chemistry, 2020, 85, 7136-7151.	3.2	18
18	Phosphine-catalyzed [3 + 2] cycloadditions of trifluoromethyl enynes/enediynes with allenoates: access to cyclopentenes containing a CF₃-substituted quaternary carbon center. Organic Chemistry Frontiers, 2020, 7, 3399-3405.	4.5	18

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19	Au-Catalyzed Formal Allylation of Diazo(thio)oxindoles: Application to Tandem Asymmetric Synthesis of Quaternary Stereocenters. Organic Letters, 2021, 23, 4864-4869.	4.6	15
20	PhB(OH)₂-Promoted Electrochemical Sulfurationâ€“Formyloxylation of Styrenes and Selectfluor-Mediated Oxidationâ€“Olefination. Organic Letters, 2021, 23, 9140-9145.	4.6	15
21	Baseâ€Promoted Approach to Highly Functionalized Conjugated Dienes through Enamine Migration. European Journal of Organic Chemistry, 2015, 2015, 7984-7991.	2.4	13
22	Synthesis of fused-tetrahydropyrimidines: one-pot methylenationâ€“cyclization utilizing two molecules of CO₂. Organic and Biomolecular Chemistry, 2020, 18, 6881-6888.	2.8	13
23	Selective synthesis of pyrrolo[1,2-a]azepines or 4,6-dicarbonyl indoles via tandem reactions of alkynones with pyrrole derivatives. Organic and Biomolecular Chemistry, 2017, 15, 6328-6332.	2.8	11
24	CF₃CO₂H-Catalyzed Synthesis of 3-Alkynylpyrrole Derivatives and Their Controlled Reduction. Journal of Organic Chemistry, 2021, 86, 15568-15576.	3.2	10
25	Synthesis of Polycyclic Benzo[b]indolo[3,2,1-de]acridines via Sequential Allenylation, Dielsâ€“Alder Cyclization, and Hydrogen Migration Reaction. Journal of Organic Chemistry, 2017, 82, 11198-11205.	3.2	8
26	TBAFâ€Catalyzed Cyclization Reactions of oâ€(Alkynyl)phenyl Propargyl Alcohols with Malonate Esters: A Possible Cationâ€“Ï€ Interaction as The Activation Approach. European Journal of Organic Chemistry, 2020, 2020, 978-984.	2.4	8
27	Synthesis of indoline-fused eight-membered azaheterocycles through Zn-catalyzed dearomatization of indoles and subsequent base-promoted Câ€“C activation. Organic and Biomolecular Chemistry, 2020, 18, 6916-6926.	2.8	5
28	Synthesis of Polycyclic 3,3â€²-Biindoles via AgOTf-Catalyzed Nucleophilic Addition and Cycloisomerization. Journal of Organic Chemistry, 2022, 87, 6418-6425.	3.2	5
29	Synthesis of 1-Alkyl-3-(2-oxo-2-aryl/alkyl-ethyl)indolin-2-ones through Gold/BrÃ¸nsted Acid Relay Actions: Observation of Selective C=C Bond Cleavage of Enaminones. Synthesis, 2017, 49, 3609-3618.	2.3	4
30	Switchable Synthesis of Sulfoxides, Sulfones and Thiosulfonates through Selectfluor-Promoted Oxidation with H2O as O-Source. Synthesis, 0, , .	2.3	3
31	Synthesis of 10 H â€Indolo[1,2â€•a]indole Derivatives via Intramolecular Cycloaddition and Hâ€Migration. European Journal of Organic Chemistry, 2021, 2021, 4358-4363.	2.4	2
32	Selectfluor-Mediated Oxidative Dehydrogenation of Hydrazines: A Process for the Synthesis of Azo Compounds. Synthesis, 0, , .	2.3	1