

# Ziping Cao

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A novel dual-ratiometric-response fluorescent probe for SO <sub>2</sub> /ClO <sup>-</sup> detection in cells and in vivo and its application in exploring the dichotomous role of SO <sub>2</sub> under the ClO <sup>-</sup> induced oxidative stress. <i>Biomaterials</i> , 2017, 133, 82-93.	11.4	136
2	Bright and sensitive ratiometric fluorescent probe enabling endogenous FA imaging and mechanistic exploration of indirect oxidative damage due to FA in various living systems. <i>Chemical Science</i> , 2017, 8, 7851-7861.	7.4	84
3	Gold-Catalyzed Tandem Cycloisomerization/Cope Rearrangement: An Efficient Access to the Hydroazulenic Motif. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9014-9018.	13.8	59
4	Wide-Acidity-Range pH Fluorescence Probes for Evaluation of Acidification in Mitochondria and Digestive Tract Mucosa. <i>Analytical Chemistry</i> , 2017, 89, 8509-8516.	6.5	51
5	Topology-Based Functionalization of Robust Chiral Zr-Based Metal-Organic Frameworks for Catalytic Enantioselective Hydrogenation. <i>Journal of the American Chemical Society</i> , 2020, 142, 9642-9652.	13.7	48
6	DFT study on the dissolution mechanisms of $\beta$ -cyclodextrin and chitobiose in ionic liquid. <i>Carbohydrate Polymers</i> , 2017, 169, 227-235.	10.2	35
7	Gold-Catalyzed Reaction of <i>ortho</i> -alkynylarylaldehydes with Conjugated Dienes: An Efficient Access to Highly Strained Tetracyclic Bridgehead Olefins. <i>Chemistry - A European Journal</i> , 2016, 22, 9125-9129.	3.3	34
8	A rapid, accurate and sensitive method with the new stable isotopic tags based on microwave-assisted dispersive liquid-liquid microextraction and its application to the determination of hydroxyl UV filters in environmental water samples. <i>Talanta</i> , 2017, 167, 242-252.	5.5	29
9	Silver-Catalyzed Domino Reaction of <i>ortho</i> -Carbonylated Alkynyl-Substituted Arylaldehydes with Conjugated Dienes: Stereoselective Access to Indanone-Fused Cyclohexenes. <i>Journal of Organic Chemistry</i> , 2016, 81, 12401-12407.	3.2	27
10	Metal-Free Reaction of <i>ortho</i> -Carbonylated Alkynyl-Substituted Arylaldehydes with Common Amines: Selective Access to Functionalized Isoindolinone and Indenamine Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 16979-16985.	3.3	27
11	TBAF-Catalyzed O-Nucleophilic Cyclization of Enaminones: A Process for the Synthesis of Dihydroisobenzofuran Derivatives. <i>Journal of Organic Chemistry</i> , 2019, 84, 1379-1386.	3.2	23
12	Gold-catalyzed tandem cycloisomerization/Petasis-Ferrier rearrangement: a direct route to 3-alkoxyindanones from enynals and alcohols. <i>RSC Advances</i> , 2015, 5, 103155-103158.	3.6	20
13	Chemoselective $\beta$ -Methylenation of Aromatic Ketones Using the NaAuCl <sub>4</sub> /Selectfluor/DMSO System. <i>Journal of Organic Chemistry</i> , 2017, 82, 12059-12065.	3.2	19
14	Gold-catalyzed $\beta$ -directed regioselective cyclization of bis( <i>o</i> -alkynyl benzyl alcohols): rapid access to dihydroisobenzofuran derivatives. <i>New Journal of Chemistry</i> , 2016, 40, 8211-8215.	2.8	16
15	Gold and TfOH-Cocatalyzed Tandem Reaction of <i>ortho</i> -alkynylarylaldehydes with Cyclopropenes: an Efficient Route to Functionalized Benzo[7]annulene Derivatives. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1952-1956.	2.4	15
16	Sc(OTf) <sub>3</sub> -catalyzed cyclization of $\beta$ -allylated 1,3-dicarbonyls: an efficient access to 2,2-disubstituted 2,3-dihydrofuran derivatives. <i>RSC Advances</i> , 2016, 6, 74582-74585.	3.6	14
17	Synthesis of multisubstituted <i>N</i> -(tosylamino)pyrrole derivatives by AuCl <sub>3</sub> -catalyzed cycloisomerization of the $\beta$ -alkynyl hydrazones. <i>Synthetic Communications</i> , 2016, 46, 1417-1424.	2.1	13
18	Theoretical study on the alkylation of <i>o</i> -xylene with styrene in AlCl <sub>3</sub> -ionic liquid catalytic system. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 74, 8-15.	2.4	13

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19	Domino Reaction of <i>ortho</i> -Carbonylated Alkyne-Substituted Arylaldehydes with Arylsulfinic Acids: Efficient Access to Sulfonyl-Functionalized Indanones. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 921-926.	2.7	11
20	Base-Mediated Domino Reaction of <i>ortho</i> -Carbonylated Alkynyl-Substituted Arenealdehydes with Indoles: Access to Indole-Functionalized Isobenzofurans. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2615-2620.	2.4	11
21	Synthesis of thienyl-substituted isochromene derivatives through gold-catalyzed tandem heteroarylation/cycloisomerization of <i>ortho</i> -alkynylbenzaldehydes with thiophenes. <i>Synthetic Communications</i> , 2017, 47, 463-470.	2.1	11
22	Synthesis of 4-(1 <i>H</i> -isochromen-1-yl)isoquinolines through the silver-catalysed homodimerization of <i>ortho</i> -alkynylarylaldehydes and subsequent condensation of the 1,5-dicarbonyl motif with NH <sub>3</sub> . <i>RSC Advances</i> , 2019, 9, 2703-2707.	3.6	11
23	Simultaneous absorbance-ratiometric, fluorimetric, and colorimetric analysis and biological imaging of $\pm$ -ketoglutaric acid based on a special sensing mechanism. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 1035-1042.	7.8	9
24	AgNTf <sub>2</sub> -catalyzed formal [3 + 2] cycloaddition of ynamides with unprotected isoxazol-5-amines: efficient access to functionalized 5-amino-1 <i>H</i> -pyrrole-3-carboxamide derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2623-2630.	2.2	9
25	Acid-mediated domino reaction of <i>ortho</i> -carbonylated alkynyl-substituted arylaldehydes with phenols: Rapid access to fused indeno[2,1- <i>c</i> ]chromen-7-one derivatives. <i>Tetrahedron</i> , 2017, 73, 3310-3315.	1.9	8
26	Direct Hydroheteroarylation of Ynamides with 2 <i>H</i> -Tetrazoles: Regio- and Stereoselective Synthesis of ( <i>Z</i> )- $\pm$ -Tetrazole Enamides. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4066-4070.	2.4	7
27	Accurate Analysis and Evaluation of Acidic Plant Growth Regulators in Transgenic and Nontransgenic Edible Oils with Facile Microwave-Assisted Extraction- <i>Derivatization</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8058-8067.	5.2	6
28	Reversibility of imido-based ionic liquids: a theoretical and experimental study. <i>RSC Advances</i> , 2017, 7, 11259-11270.	3.6	6
29	Green synthesis of 1-phenyl-1- <i>ortho</i> -xylene ethane in IL and reaction mechanism. <i>RSC Advances</i> , 2017, 7, 14998-15004.	3.6	2
30	AgOTf-catalyzed reaction of sulfonyl hydrazones with ynamides led to stereoselective synthesis of $\pm$ -amino alkenyl-substituted hydrazone derivatives. <i>Tetrahedron</i> , 2019, 75, 130534.	1.9	1
31	Gold-Catalyzed Reaction of 2 <i>H</i> -Tetrazoles with Alkynes: Efficient Route to <i>N</i> -Alkenylated Tetrazoles. <i>ChemistrySelect</i> , 2019, 4, 11785-11789.	1.5	1