

Zhenghu Xu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Copper(I)-Catalyzed Interrupted Click Reaction: Synthesis of Diverse 5-Hetero-Functionalized Triazoles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 649-653.	13.8	200
2	Dual gold and photoredox catalysis: visible light-mediated intermolecular atom transfer thiosulfonation of alkenes. <i>Chemical Science</i> , 2017, 8, 2610-2615.	7.4	154
3	Regioselective synthesis of multisubstituted 1,2,3-triazoles: moving beyond the copper-catalyzed azide-alkyne cycloaddition. <i>Chemical Communications</i> , 2016, 52, 14188-14199.	4.1	123
4	In Situ Construction of Three Anion-Dependent Cu(I) Coordination Networks as Promising Heterogeneous Catalysts for Azide-Alkyne "Click" Reactions. <i>Inorganic Chemistry</i> , 2015, 54, 4737-4743.	4.0	111
5	Asymmetric Inverse-Electron-Demand Hetero-Diels-Alder Reaction of Six-membered Cyclic Ketones: An Enamine/Metal Lewis Acid Bifunctional Approach. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3484-3488.	13.8	110
6	Atom Transfer Radical Addition to Alkynes and Enynes: A Versatile Gold/Photoredox Approach to Thio-Functionalized Vinylsulfones. <i>ACS Catalysis</i> , 2018, 8, 8237-8243.	11.2	106
7	Gold carbene chemistry from diazo compounds. <i>Science Bulletin</i> , 2015, 60, 1479-1492.	9.0	105
8	Strain-Promoted Oxidative Annulation of Arynes and Cyclooctynes with Benzamides: Palladium-Catalyzed C-H/N-H Activation for the Synthesis of <i>N</i> -Heterocycles. <i>Organic Letters</i> , 2014, 16, 5354-5357.	4.6	96
9	Synthesis of Spiroaminals and Spiroketal with Bimetallic Relay Catalysis. <i>Organic Letters</i> , 2014, 16, 22-25.	4.6	86
10	Arylamine-Catalyzed Enamine Formation: Cooperative Catalysis with Arylamines and Acids. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3663-3667.	13.8	79
11	Cu/Pd-Catalyzed, Three-Component Click Reaction of Azide, Alkyne, and Aryl Halide: One-Pot Strategy toward Trisubstituted Triazoles. <i>Organic Letters</i> , 2015, 17, 2860-2863.	4.6	79
12	Copper(I)-Catalyzed Three-Component Click/Alkynylation: One-Pot Synthesis of 5-Alkynyl-1,2,3-triazoles. <i>Organic Letters</i> , 2016, 18, 4158-4161.	4.6	78
13	Synthesis of Spiroketal by Synergistic Gold and Scandium Catalysis. <i>Organic Letters</i> , 2017, 19, 2526-2529.	4.6	77
14	Copper(I)-Catalyzed Asymmetric Interrupted Kinugasa Reaction: Synthesis of β -Thiofunctional Chiral β -Lactams. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4561-4565.	13.8	71
15	Synthesis of Fused Bicyclic Amins through Sequential Gold/Lewis Acid Catalysis. <i>Organic Letters</i> , 2013, 15, 2234-2237.	4.6	67
16	Cu-Catalyzed Electrophilic Disulfur Transfer: Synthesis of Unsymmetrical Disulfides. <i>Organic Letters</i> , 2018, 20, 3829-3832.	4.6	64
17	Copper(I)-Catalyzed Three-Component Click/Persulfuration Cascade: Regioselective Synthesis of Triazole Disulfides. <i>Organic Letters</i> , 2018, 20, 2956-2959.	4.6	63
18	Bench-Stable 5-Stannyl Triazoles by a Copper(I)-Catalyzed Interrupted Click Reaction: Bridge to Trifluoromethyltriazoles and Trifluoromethylthiotriazoles. <i>Organic Letters</i> , 2017, 19, 2098-2101.	4.6	62

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19	Synthesis of Quinolinones with Palladium-Catalyzed Oxidative Annulation between Acrylamides and Arynes. <i>Journal of Organic Chemistry</i> , 2015, 80, 2835-2841.	3.2	58
20	Gold/Lewis Acid Catalyzed Cycloisomerization/Diastereoselective [3 + 2] Cycloaddition Cascade: Synthesis of Diverse Nitrogen-Containing Spiro Heterocycles. <i>Organic Letters</i> , 2016, 18, 4614-4617.	4.6	57
21	Enamine-Metal Lewis Acid Bifunctional Catalysis: Application to Direct Asymmetric Aldol Reaction of Ketones. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4581-4585.	2.4	53
22	Cu-Catalyzed Three-Component Coupling of Aryne, Alkyne, and Benzenesulfonothioate: Modular Synthesis of <i>o</i> -Alkynyl Arylsulfides. <i>Organic Letters</i> , 2016, 18, 4154-4157.	4.6	53
23	Copper-Catalyzed Oxidative Trifunctionalization of Olefins: An Access to Functionalized β -Keto Thiosulfones. <i>Journal of Organic Chemistry</i> , 2018, 83, 9449-9455.	3.2	51
24	Synthesis of spiroaminals by bimetallic Au/Sc relay catalysis: TMS as a traceless controlling group. <i>Chemical Communications</i> , 2014, 50, 12084-12087.	4.1	47
25	Divergent synthesis of chiral cyclic azides via asymmetric cycloaddition reactions of vinyl azides. <i>Nature Communications</i> , 2019, 10, 3158.	12.8	47
26	Scandium-catalyzed electrophilic alkene difunctionalization: regioselective synthesis of thiosulfone derivatives. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1663-1666.	4.5	47
27	Recent Advances of the Combination of Au/Acid Catalysis. <i>Chinese Journal of Chemistry</i> , 2014, 32, 937-956.	4.9	46
28	From Cyclopropenes to Tetrasubstituted Furans: Tandem Isomerization/Alkenylation Sequence with Cu/Pd Relay Catalysis. <i>Chemistry - A European Journal</i> , 2013, 19, 3584-3589.	3.3	45
29	Modular Synthesis of β -Quaternary Chiral β -Lactams by a Synergistic Copper/Palladium-Catalyzed Multicomponent Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13814-13818.	13.8	43
30	Copper-catalyzed carbene insertion into the sulfur-sulfur bond of benzenesulfonothioate. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1371-1374.	4.5	42
31	Asymmetric Synthesis of a Fused Tricyclic Hydronaphthofuran Scaffold by Desymmetric [2+2+2] Cycloaddition. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2220-2224.	13.8	40
32	Diastereoselective Synthesis of Polysubstituted Spirocyclopenta[<i>c</i>]furans by Gold-Catalyzed Cascade Reaction. <i>Organic Letters</i> , 2019, 21, 692-695.	4.6	38
33	Asymmetric Azide-Alkyne Cycloaddition with Ir(I)/Squaramide Cooperative Catalysis: Atroposelective Synthesis of Axially Chiral Aryltriazoles. <i>Journal of the American Chemical Society</i> , 2022, 144, 6200-6207.	13.7	38
34	Primary amine-metal Lewis acid bifunctional catalysts: the application to asymmetric direct aldol reactions. <i>Chemical Communications</i> , 2009, , 6825.	4.1	37
35	Tandem metal relay catalysis: from cyclopropene to polysubstituted furan. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5802-5806.	2.8	37
36	Synthesis of Oxazoles by Tandem Cycloisomerization/Allylic Alkylation of Propargyl Amides with Allylic Alcohols: Zn(OTf) ₂ as β Acid and Ir Acid Catalyst. <i>Journal of Organic Chemistry</i> , 2015, 80, 12718-12724.	3.2	35

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37	Copper(I)-Catalyzed Interrupted Click/Sulfenylation Cascade: One-Pot Synthesis of Sulfur Cycle Fused 1,2,3-Triazoles. <i>Chinese Journal of Chemistry</i> , 2020, 38, 445-448.	4.9	35
38	Hydroalkynylative cyclization of 1,6-enynes with terminal alkynes. <i>Chemical Science</i> , 2019, 10, 6863-6867.	7.4	33
39	Gold-Catalyzed Cycloisomerization/1,5-H Migration/Diels-Alder Reaction Cascade: Synthesis of Complex Nitrogen-Containing Heterocycles. <i>Organic Letters</i> , 2017, 19, 1072-1075.	4.6	29
40	Successive Cu/Pd transmetalation relay catalysis in stereoselective synthesis of tetraarylethenes. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1366-1373.	4.5	28
41	Gold/photoredox-cocatalyzed atom transfer thiosulfonylation of alkynes: Stereoselective synthesis of vinylsulfones. <i>Tetrahedron Letters</i> , 2019, 60, 916-919.	1.4	28
42	Dimerization of cyclopropenes to bifurans using tandem metal relay catalysis. <i>Chemical Communications</i> , 2013, 49, 9167.	4.1	27
43	Divergent Synthesis of 3,3-Disubstituted Oxindoles Initiated by Palladium-Catalyzed Intramolecular Arylation of Unsaturated Amides. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 971-975.	2.7	26
44	Breaking aziridines to construct morpholines with a gold-catalyzed tandem ring-opening and cycloisomerization reaction. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10973-10980.	2.8	26
45	Scandium (III)-Catalyzed Cycloaddition of <i>in situ</i> Generated <i>ortho</i> -Quinone Methides with Vinyl Azides: An Efficient Access to Substituted 4-H-Chromenes. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3585-3589.	4.3	26
46	Modular synthesis of all-substituted furans through oxidative carbonylation of cyclopropenes with tandem metal relay catalysis. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6258.	2.8	25
47	Decarboxylative sulfenylation of amino acids <i>via</i> metallaphotoredox catalysis. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3224-3227.	4.5	25
48	Recent Advances of Cyclopropene Chemistry. <i>Acta Chimica Sinica</i> , 2015, 73, 1114.	1.4	25
49	Gold-catalyzed domino reactions of alkynol and <i>p</i> -quinone methides: divergent synthesis of fused- and spiro-ketals. <i>Organic Chemistry Frontiers</i> , 2020, 7, 856-861.	4.5	23
50	A Three-Component Reaction Based on a Remote-Group-Directed Dynamic Kinetic Aza-Michael Addition: Stereoselective Synthesis of Imidazolidinones. <i>Chemistry - A European Journal</i> , 2010, 16, 2972-2976.	3.3	22
51	An efficient synthesis of gem-diiodoolefins and (E)-iodoalkenes from propargylic amides with a Cu(I)/Cu(III) cycle. <i>Organic Chemistry Frontiers</i> , 2015, 2, 578-585.	4.5	22
52	Zn/Sc bimetallic relay catalysis: one pot cycloisomerization/carbonyl-ene reaction toward oxazole derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 826-829.	2.8	19
53	Synthesis of 4H-chromenes by silver (I)-catalyzed cycloaddition of <i>ortho</i> -quinone methides with N-allenamides. <i>Science China Chemistry</i> , 2019, 62, 80-86.	8.2	19
54	Design, synthesis and evaluation of XZH-5 analogues as STAT3 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1348-1355.	3.0	16

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55	Kinetically Controlled Radical Addition/Elimination Cascade: From Alkynyl Aziridine to Fluorinated Allenes. <i>Organic Letters</i> , 2020, 22, 2419-2424.	4.6	16
56	Synthesis of benzannulated spiroketals with gold-catalyzed cycloisomerization/spiroketalization cascade. <i>Organic Chemistry Frontiers</i> , 2018, 5, 990-993.	4.5	15
57	Copper(I)-Catalyzed Asymmetric Interrupted Kinugasa Reaction: Synthesis of β -Thiofunctional Chiral β -Lactams. <i>Angewandte Chemie</i> , 2021, 133, 4611-4615.	2.0	12
58	Ni-Catalyzed asymmetric hetero-Diels-Alder reactions of conjugated vinyl azides: synthesis of chiral azido polycycles. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1770-1774.	4.5	12
59	β -Trifluoroethyl Benzenesulfonothioate: A Bench-Stable Reagent for Electrophilic Trifluoroethylthiolation. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1625-1628.	4.9	11
60	Asymmetric Synthesis of a Fused Tricyclic Hydronaphthofuran Scaffold by Desymmetric [2+2+2] Cycloaddition. <i>Angewandte Chemie</i> , 2020, 132, 2240-2244.	2.0	9
61	Au-catalyzed neighboring hydroxymethyl group directed cycloaddition of alkyne with diazadienes: Synthesis of polysubstituted pyrroles. <i>Chinese Chemical Letters</i> , 2023, 34, 107488.	9.0	9
62	Modular Synthesis of β -Quaternary Chiral β -Lactams by a Synergistic Copper/Palladium-Catalyzed Multicomponent Reaction. <i>Angewandte Chemie</i> , 2021, 133, 13933-13937.	2.0	8
63	Interrupted Kinugasa allylic alkylation. <i>Trends in Chemistry</i> , 2021, , .	8.5	8
64	Direct Gold-Catalyzed Regioselective Tetrafunctionalization of Nonactivated Alkynes. <i>Synthesis</i> , 2014, 46, 2168-2174.	2.3	7
65	Asymmetric synthesis of tricyclic 6,5,5-fused polycycles by the desymmetric Pauson-Khand reaction. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1680-1685.	4.5	5
66	Palladium-Catalyzed Annulation of Aryltriazoles and Arylisoxazoles with Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4386-4392.	4.3	4
67	Synthesis of β -trifluoromethyl sulfides through fluorosulfuration of gem-difluoroalkenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2926-2931.	4.5	3