

# Yongbo Zhou

## List of Publications by Year in descending order

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79  
papers

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117625

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79  
docs citations

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times ranked

3385  
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#	ARTICLE	IF	CITATIONS
1	Copper-Catalyzed Aerobic Oxidative Coupling of Terminal Alkynes with $\alpha$ -Phosphonates Leading to Alkynylphosphonates. <i>Journal of the American Chemical Society</i> , 2009, 131, 7956-7957.	13.7	268
2	Facile Regio- and Stereoselective Hydrometalation of Alkynes with a Combination of Carboxylic Acids and Group 10 Transition Metal Complexes: Selective Hydrogenation of Alkynes with Formic Acid. <i>Journal of the American Chemical Society</i> , 2011, 133, 17037-17044.	13.7	218
3	Dinickel(II) Complexes of Bis(N-heterocyclic carbene) Ligands Containing $[Ni_2(\mu_4-OH)]$ Cores as Highly Efficient Catalysts for the Coupling of Aryl Chlorides. <i>Organometallics</i> , 2008, 27, 5911-5920.	2.3	145
4	Copper Catalysis for Selective Heterocoupling of Terminal Alkynes. <i>Journal of the American Chemical Society</i> , 2016, 138, 12348-12351.	13.7	127
5	Copper-Catalyzed Aerobic Oxidative Amination of $sp^3$ -C-H Bonds: Efficient Synthesis of 2-Hetarylquinazolin-4(3H)-ones. <i>Organic Letters</i> , 2014, 16, 3672-3675.	4.6	106
6	Synthesis and Characterization of Square-Planar Tetranuclear Silver and Gold Clusters Supported by a Pyrazole-Linked Bis(N-heterocyclic carbene) Ligand. <i>Organometallics</i> , 2007, 26, 2742-2746.	2.3	105
7	Cu/L (L=pyridine-functionalized 1,3-diketones) catalyzed C-N coupling reactions of aryl halides with NH-containing heterocycles. <i>Tetrahedron</i> , 2008, 64, 4254-4259.	1.9	103
8	Efficient Negishi Coupling Reactions of Aryl Chlorides Catalyzed by Binuclear and Mononuclear Nickel-N-Heterocyclic Carbene Complexes. <i>Journal of Organic Chemistry</i> , 2008, 73, 8497-8501.	3.2	96
9	Metal- and Oxidant-Free Synthesis of Quinazolinones from $\alpha$ -Ketoesters with $\alpha$ -Aminobenzamides via Phosphorous Acid-Catalyzed Cyclocondensation and Selective C-C Bond Cleavage. <i>Journal of Organic Chemistry</i> , 2015, 80, 9392-9400.	3.2	95
10	Mononuclear, dinuclear, hexanuclear, and one-dimensional polymeric silver complexes having ligand-supported and unsupported argentophilic interactions stabilized by pincer-like 2,6-bis(5-pyrazolyl)pyridine ligands. <i>Dalton Transactions</i> , 2008, , 1444.	3.3	94
11	Copper(II) Hydroxide Complexes of N-Heterocyclic Carbenes and Catalytic Oxidative Amination of Arylboronic Acids. <i>Organometallics</i> , 2010, 29, 1457-1464.	2.3	93
12	Synthesis, structural characterization, and luminescence properties of multinuclear silver complexes of pyrazole-functionalized NHC ligands containing $Ag-Ag$ and $Ag-I$ interactions. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 205-215.	1.8	75
13	Selective $P-C$ and $P-O-C$ Bond Formations through Copper-Catalyzed Aerobic Oxidative Dehydrogenative Couplings of $\alpha$ -Phosphonates. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6852-6855.	13.8	73
14	Visible Light-Induced Regioselective Decarboxylative Alkylation of the $C^{\alpha}$ -H Bonds of Non-Aromatic Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4126-4132.	4.3	72
15	Direct Aerobic Oxidative Esterification and Arylation of $P(O)-OH$ Compounds with Alcohols and Diaryliodonium Triflates. <i>ACS Catalysis</i> , 2015, 5, 537-543.	11.2	68
16	Systematic study for the stereochemistry of the Atherton-Todd reaction. <i>Tetrahedron</i> , 2013, 69, 9373-9380.	1.9	56
17	Stereospecific Halogenation of $P(O)-H$ Bonds with Copper(II) Chloride Affording Optically Active $Z_1Z_2P(O)Cl$ . <i>Journal of Organic Chemistry</i> , 2010, 75, 7924-7927.	3.2	55
18	Iron-catalyzed aerobic oxidative functionalization of $sp^3$ -C-H bonds: a versatile strategy for the construction of N-heterocycles. <i>Catalysis Science and Technology</i> , 2015, 5, 2197-2202.	4.1	52

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19	Cu(I)-Catalyzed 6-endo-dig Cyclization of Terminal Alkynes, 2-Bromoaryl Ketones, and Amides toward 1-Naphthylamines: Applications and Photophysical Properties. <i>Journal of the American Chemical Society</i> , 2019, 141, 2535-2544.	13.7	52
20	Metal-free aerobic oxidative C–N bond cleavage of tertiary amines for the synthesis of N-heterocycles with high atom efficiency. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3802-3807.	2.8	50
21	Iron(III) Chloride-Mediated Regio- and Stereoselective Chlorosulfonylation of Alkynes and Alkenes with Sodium Sulfinates. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 841-847.	4.3	48
22	Copper-Catalyzed Aerobic Oxidative Inert C–C and C–N Bond Cleavage: A New Strategy for the Synthesis of Tertiary Amides. <i>Chemistry - A European Journal</i> , 2014, 20, 12234-12238.	3.3	45
23	Cyclization of Ketones with Nitriles under Base: A General and Economical Synthesis of Pyrimidines. <i>Organic Letters</i> , 2018, 20, 3399-3402.	4.6	45
24	Palladium-catalyzed dehydrogenative coupling of terminal alkynes with secondary phosphine oxides. <i>Chemical Communications</i> , 2015, 51, 3549-3551.	4.1	43
25	Metal-Free Oxidative Annulation of 2-Naphthols with Terminal Alkynes Affording 2-Arylnaphtho[2,1-b]furans. <i>Organic Letters</i> , 2016, 18, 3138-3141.	4.6	43
26	Copper-Catalyzed Selective Semihydrogenation of Terminal Alkynes with Hypophosphorous Acid. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 765-769.	4.3	42
27	Nickel-catalyzed (E)-selective semihydrogenation of internal alkynes with hypophosphorous acid. <i>Journal of Organometallic Chemistry</i> , 2014, 749, 51-54.	1.8	41
28	Palladium-Catalyzed Decarboxylative Alkynylation of Amides. <i>Organic Letters</i> , 2018, 20, 2741-2744.	4.6	41
29	Efficient synthesis of propargylamines from terminal alkynes, dichloromethane and tertiary amines over silver catalysts. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 247-250.	2.8	40
30	Transition-Metal-Free C–P Bond Formation via Decarboxylative Phosphorylation of Cinnamic Acids with P(O)H Compounds. <i>Journal of Organic Chemistry</i> , 2018, 83, 4190-4196.	3.2	40
31	Photoredox-catalyzed decarboxylative alkylation/cyclization of alkynylphosphine oxides: a metal- and oxidant-free method for accessing benzo[b]phosphole oxides. <i>Chemical Communications</i> , 2019, 55, 233-236.	4.1	40
32	Palladium-Catalyzed Regio- and Stereoselective Coupling-Addition of Propiolates with Arylsulfonyl Hydrazides: A Pattern for Difunctionalization of Alkynes. <i>Organic Letters</i> , 2018, 20, 4023-4027.	4.6	39
33	Copper catalysed direct amidation of methyl groups with N–H bonds. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7289-7293.	2.8	37
34	Palladium-Catalyzed Desulfinitative Cross-Coupling of Arylsulfonyl Hydrazides with Terminal Alkynes: A General Approach toward Functionalized Internal Alkynes. <i>Journal of Organic Chemistry</i> , 2017, 82, 6764-6769.	3.2	35
35	Novel neutral octanuclear copper(I) complexes stabilized by pyridine linked bis(pyrazolate) ligands. <i>Dalton Transactions</i> , 2007, , 5123.	3.3	34
36	Mechanistic Studies on the Palladium-Catalyzed Cross Dehydrogenative Coupling of P(O)–H Compounds with Terminal Alkynes: Stereochemistry and Reactive Intermediates. <i>Organometallics</i> , 2015, 34, 5095-5098.	2.3	34

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37	Synthesis and Structure of Binuclear O/S-bridged Organobismuth Complexes and Their Cooperative Catalytic Effect on CO <sub>2</sub> Fixation. <i>ChemPlusChem</i> , 2012, 77, 404-410.	2.8	29
38	Recent advances of catalytic processes on the transformation of alkynes into functional compounds. <i>Chemical Engineering Science</i> , 2017, 171, 404-425.	3.8	29
39	Selective Aerobic C-H Amination of Phenols with Primary Amines over Copper toward Benzoxazoles. <i>Organic Letters</i> , 2017, 19, 2849-2852.	4.6	27
40	General Oxidative Aryl C-P Bond Formation through Palladium-Catalyzed Decarbonylative Coupling of Aroylhydrazides with P(O)H Compounds. <i>Organic Letters</i> , 2019, 21, 3198-3203.	4.6	27
41	Cu-Catalyzed Oxidative Thioesterification of Aroylhydrazides with Disulfides. <i>Journal of Organic Chemistry</i> , 2021, 86, 739-749.	3.2	27
42	Stereoselective Synthesis of Phosphoryl-Substituted Phenols. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 781-794.	4.3	26
43	Direct Amidation of Carboxylic Acids with Tertiary Amines: Amide Formation over Copper Catalysts through C-N Bond Cleavage. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4244-4247.	2.4	26
44	Copper-Catalyzed Aerobic Oxidative C(aryl)-OH Bond Functionalization of Catechols with Amines Affording Benzoxazoles. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2924-2930.	4.3	26
45	Synthesis, Structure and Applications of Hypervalent Organoantimony Compounds Having Intramolecular E-Sb (E = N, O, S) Coordinations. <i>Current Organic Chemistry</i> , 2012, 16, 2462-2481.	1.6	25
46	Base-promoted O-deprotonation/alkylation reaction of P(O)-OH compounds with alkyl halides. <i>Tetrahedron</i> , 2014, 70, 9057-9063.	1.9	25
47	Stereospecific Aerobic Oxidative Dehydrocoupling of P(O)-H Bonds with Amines Catalyzed by Copper. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 400-402.	3.2	23
48	Copper-catalyzed direct esterification of P(O)-OH compounds with phenols. <i>Tetrahedron</i> , 2015, 71, 9293-9298.	1.9	20
49	Manganese(III) acetate catalyzed oxidative amination of benzylic C(sp <sup>3</sup> )-H bonds with nitriles. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2897-2901.	2.8	20
50	Selective Oxidative Cleavage of 3-Methylindoles with Primary Amines Affording Quinazolinones. <i>Organic Letters</i> , 2020, 22, 2522-2526.	4.6	20
51	Selective Addition of P(O)-H Bonds to Alkynes Catalyzed by Transition Metals Immobilized on Polystyrene-bound Triphenylphosphine. <i>Chemistry Letters</i> , 2013, 42, 1065-1067.	1.3	19
52	Transition metal-free oxidative ortho-acylation of phenols with N-heteroarylmethanes via double C-H activation. <i>Catalysis Science and Technology</i> , 2016, 6, 5792-5796.	4.1	19
53	Copper-catalyzed annulation of 2-bromobenzoic esters with terminal alkynes towards 3-substituted isocoumarins. <i>Tetrahedron Letters</i> , 2017, 58, 2433-2437.	1.4	19
54	Catalytic sp <sup>3</sup> -C-CN Bond Cleavage: Ni-Mediated Phosphorylation of Alkyl nitriles. <i>Organic Letters</i> , 2018, 20, 6746-6749.	4.6	19

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55	Synthesis and structures of hypervalent organoantimony and organobismuth chlorides containing asymmetric C,E,C-chelating (E = O, S) ligands. Dalton Transactions, 2013, 42, 9476.	3.3	18
56	Catalyst-Free and Selective C=C-N Bond Functionalization: Stereospecific Three-Component Coupling of Amines, Dichloromethane, and >P(O)H Species Affording Î±-Aminophosphorus Compounds. Journal of Organic Chemistry, 2015, 80, 62-69.	3.2	17
57	Phosphorous Acid-Catalyzed Alkylation of Phenols with Alkenes. Journal of Organic Chemistry, 2020, 85, 14307-14314.	3.2	16
58	Metal-free regioselective hydrobromination of alkynes through C H/C Br activation. Tetrahedron Letters, 2014, 55, 4572-4575.	1.4	15
59	Cu-mediated nitrogen atom transfer via C=N bond cleavage. Organic and Biomolecular Chemistry, 2015, 13, 9948-9952.	2.8	14
60	Phosphorous Acid Promoted Hydration-Condensation of Aromatic Alkynes with Aldehydes Affording Chalcones in an Oil/Water Two-Phase System. Synthesis, 2016, 48, 231-237.	2.3	14
61	Recent Advances in the Synthesis of Organophosphorus Compounds via Cross Coupling between Readily Available Materials and P-H Compounds. Chinese Journal of Organic Chemistry, 2017, 37, 1055.	1.3	13
62	Metal-Free Oxidative Condensation of Catechols, Aldehydes and NH <sub>4</sub> OAc towards Benzoxazoles. Advanced Synthesis and Catalysis, 2021, 363, 3607-3614.	4.3	12
63	Synthesis and Structure of Organobismuth Chlorides and Triflates Containing (C,E)-Chelating Ligands (E=O, S) and Their Catalytic Application in the Allylation of Aldehydes with Tetraallyltin. ChemPlusChem, 2013, 78, 1363-1369.	2.8	11
64	Cu(catalysis) for selective condensation/bicycloaromatization of two different arylalkynes: direct and general construction of functionalized C=C-N axial biaryl compounds. Chemical Science, 2021, 13, 263-273.	7.4	10
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73	Copper-Catalyzed 6-endo-dig Cyclization—Coupling of 2-Bromoaryl Ketones and Terminal Alkynes toward Naphthyl Aryl Ethers in Water. <i>Organic Letters</i> , 2022, 24, 4569-4574.	4.6	4
74	Copper-mediated simple and direct aerobic oxidative esterification of arylacetonitriles with alcohols/phenols. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	3.5	3
75	Copper-Catalyzed Aerobic Oxidative C-P Coupling of Arylboronic Acids and Diethyl Phosphite under Air. <i>Chinese Journal of Organic Chemistry</i> , 2014, 34, 1340.	1.3	3
76	Photocatalytic C H alkylation of coumarins mediated by triphenylphosphine and sodium iodide. <i>Tetrahedron Letters</i> , 2022, , 153720.	1.4	3
77	TEMPO mediated oxidative annulation of aryl methyl ketones with amines/ammonium acetate for imidazole synthesis. <i>Organic and Biomolecular Chemistry</i> , 0, , .	2.8	3
78	Identification of Alkenyl- and Arylpalladium Hydrides with the Aid of Hydrosilanes. <i>Chemistry Letters</i> , 2013, 42, 1227-1229.	1.3	2
79	General and practical synthesis of naphtho[2,1-d]oxazoles from naphthols and amines. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	1