

# Yuxing Gao

## List of Publications by Year in descending order

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50  
papers

1,714  
citations

279798

23  
h-index

276875

41  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-Catalyzed Aerobic Oxidative Coupling of Terminal Alkynes with <i>H</i> -Phosphonates Leading to Alkynylphosphonates. <i>Journal of the American Chemical Society</i> , 2009, 131, 7956-7957.	13.7	268
2	Nickel-Catalyzed C <sup>1</sup> -P Cross-Coupling of Arylboronic Acids with P(O)H Compounds. <i>Organic Letters</i> , 2013, 15, 5362-5365.	4.6	113
3	Copper-Catalyzed Decarboxylative C <sup>1</sup> -P Cross-Coupling of Alkynyl Acids with H-Phosphine Oxides: A Facile and Selective Synthesis of (E)-1-Alkynylphosphine Oxides. <i>Organic Letters</i> , 2014, 16, 4464-4467.	4.6	93
4	Palladium(II)-Catalyzed Hydration of Alkynylphosphonates to $\beta$ -Ketophosphonates. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2427-2432.	4.3	90
5	Nickel-Catalyzed Decarboxylative C <sup>1</sup> -P Cross-Coupling of Alkenyl Acids with P(O)H Compounds. <i>Journal of Organic Chemistry</i> , 2014, 79, 8118-8127.	3.2	84
6	Copper-Catalyzed Synthesis of Alkylphosphonates from <i>H</i> -Phosphonates and <i>N</i> -Tosylhydrazones. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2659-2664.	4.3	77
7	Experimental and Theoretical Study on Palladium-Catalyzed C <sup>1</sup> -P Bond Formation via Direct Coupling of Triarylboranes with P(O)H Compounds. <i>Journal of Organic Chemistry</i> , 2014, 79, 608-617.	3.2	76
8	Nickel(II)-Magnesium-Catalyzed Cross-Coupling of 1,1-Dibromoalkenes with Diphenylphosphine Oxide: One-Pot Synthesis of <i>E</i> -Alkynylphosphine Oxides or Bisphosphine Oxides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 659-666.	4.3	68
9	K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> -mediated metal-free direct P <sup>1</sup> /C <sup>1</sup> functionalization: a convenient route to benzo[b]phosphole oxides from unactivated alkynes. <i>Green Chemistry</i> , 2016, 18, 3522-3526.	9.0	59
10	Substituent effects and mechanism elucidation of enantioselective sulfoxidation catalyzed by vanadium Schiff base complexes. <i>New Journal of Chemistry</i> , 2005, 29, 1125.	2.8	53
11	Palladium-Catalyzed C <sup>1</sup> -P Cross-Coupling of Arylhydrazines with H-Phosphonates <i>via</i> C <sup>1</sup> -N Bond Cleavage. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2948-2954.	4.3	53
12	Palladium-catalyzed air-based oxidative coupling of arylboronic acids with H-phosphine oxides leading to aryl phosphine oxides. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2895.	2.8	49
13	Cs <sub>2</sub> CO <sub>3</sub> -Promoted One-Pot Synthesis of Alkynylphosphonates, -phosphinates, and -phosphine Oxides. <i>Journal of Organic Chemistry</i> , 2014, 79, 3678-3683.	3.2	46
14	Ag-mediated cascade decarboxylative coupling and annulation: a convenient route to 2-phosphinobenzo[b]phosphole oxides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8221-8231.	2.8	46
15	Copper-Catalyzed Synthesis of $\beta$ -Hydroxy Phosphonates from <i>H</i> -Phosphonates and Alcohols or Ethers. <i>Chemistry - an Asian Journal</i> , 2013, 8, 713-716.	3.3	40
16	Copper-Catalyzed Direct Coupling of Unprotected Propargylic Alcohols with P(O)H Compounds: Access to Allenylphosphoryl Compounds under Ligand- and Base-Free Conditions. <i>Organic Letters</i> , 2016, 18, 6066-6069.	4.6	39
17	Copper-Catalyzed Direct Oxidative C <sup>1</sup> -H Functionalization of Unactivated Cycloalkanes into Cycloalkyl Benzo[b]phosphole Oxides. <i>Organic Letters</i> , 2018, 20, 3455-3459.	4.6	31
18	Systematic Understanding of Mechanisms of a Chinese Herbal Formula in Treatment of Metabolic Syndrome by an Integrated Pharmacology Approach. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2114.	4.1	30

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19	TBAI-catalyzed oxidative C-H functionalization: a new route to benzo[b]phosphole oxides. <i>Chemical Communications</i> , 2016, 52, 2815-2818.	4.1	29
20	Stable isotope N -phosphoryl amino acids labeling for quantitative profiling of amine-containing metabolites using liquid chromatography mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 978, 24-34.	5.4	29
21	Nickel-Catalyzed One-Pot Tandem 1,4-1,2-Addition of P(O)H Compounds to 1,10-Phenanthrolines. <i>Journal of Organic Chemistry</i> , 2015, 80, 1192-1199.	3.2	28
22	Experimental and theoretical studies on nickel-zinc-catalyzed cross-coupling of gem-dibromoalkenes with P(O)-H compounds. <i>RSC Advances</i> , 2014, 4, 2322-2326.	3.6	24
23	Zn(OTf) <sub>2</sub> -Catalyzed Phosphinylation of Propargylic Alcohols: Access to $\hat{\text{I}}^3$ -Ketophosphine Oxides. <i>Journal of Organic Chemistry</i> , 2017, 82, 11659-11666.	3.2	23
24	Exploration in the Mechanism of Action of Licorice by Network Pharmacology. <i>Molecules</i> , 2019, 24, 2959.	3.8	23
25	Formation of cyclic acylphosphoramidates in mass spectra of <i>N</i> -monoalkoxyphosphoryl amino acids using electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 779-787.	1.6	22
26	Three-component 3-(phosphoryl)methylindole synthesis from indoles, H-phosphine oxides and carbonyl compounds under metal-free conditions. <i>Green Chemistry</i> , 2019, 21, 792-797.	9.0	20
27	Reactivity of Germylene toward Phosphorus-Containing Compounds: Nucleophilic Addition and Tautomerism. <i>Inorganic Chemistry</i> , 2015, 54, 4423-4430.	4.0	19
28	Copper-Catalyzed Direct Twofold C-P Cross-Coupling of Unprotected Propargylic 1,4-Diols: Access to 2,3-Bis(diarylphosphynyl)-1,3-butadienes. <i>Organic Letters</i> , 2019, 21, 579-583.	4.6	18
29	TfOH-Catalyzed Phosphinylation of 2,3-Allenols into $\hat{\text{I}}^3$ -Ketophosphine Oxides. <i>Journal of Organic Chemistry</i> , 2020, 85, 8185-8195.	3.2	14
30	Palladium-Catalyzed Domino Addition and Cyclization of Arylboronic Acids with 3-Hydroxyprop-1-yn-1-yl Phosphonates Leading to 1,2-Oxaphospholenes. <i>Journal of Organic Chemistry</i> , 2015, 80, 6908-6914.	3.2	13
31	Structural Investigation for Optimization of Anthranilic Acid Derivatives as Partial FXR Agonists by in Silico Approaches. <i>International Journal of Molecular Sciences</i> , 2016, 17, 536.	4.1	13
32	Copper-catalyzed decarboxylative C-P cross coupling of arylpropionic acids with dialkyl hydrazinylphosphonates leading to alkynylphosphonates. <i>Synthetic Communications</i> , 2016, 46, 1175-1181.	2.1	13
33	Palladium-catalyzed C-P cross-coupling of allenic alcohols with <i>H</i> -phosphonates leading to 2-phosphinoyl-1,3-butadienes. <i>Chemical Communications</i> , 2021, 57, 339-342.	4.1	13
34	Comparison of the isomeric $\hat{\text{I}}^3$ -amino acyl adenylates and amino acid phosphoramidates of adenosine by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 291-300.	1.5	10
35	2D and 3D QSAR models for identifying diphenylpyridylethanamine based inhibitors against cholesteryl ester transfer protein. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4487-4495.	2.2	10
36	Azobisisobutyronitrile-Initiated Oxidative C-H Functionalization of Simple Alcohols with Diaryl(arylethynyl)phosphine Oxides: A Metal-Free Approach toward Hydroxymethyl Benzo[b]phosphole Oxides and 6-Indeno[2,1-b]phosphindole 5-Oxide Derivatives. <i>Journal of Organic Chemistry</i> , 2020, 85, 6359-6371.	3.2	10

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37	Multi-Layer Identification of Highly-Potent ABCA1 Up-Regulators Targeting LXR <sup>2</sup> Using Multiple QSAR Modeling, Structural Similarity Analysis, and Molecular Docking. <i>Molecules</i> , 2016, 21, 1639.	3.8	7
38	Application of (31P) NMR in Analyzing the Degradation Efficiency of Organic Phosphorus Degrading-Bacteria. <i>Environmental Monitoring and Assessment</i> , 2007, 130, 281-287.	2.7	6
39	Catalyst-free synthesis of cycloalkenyl phosphonates. <i>RSC Advances</i> , 2014, 4, 14740-14743.	3.6	5
40	Hydrogen sulfide removal by copper sulfate circulation method. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2359-2365.	2.7	5
41	Discovery of molecular mechanism of a clinical herbal formula upregulating serum HDL-c levels in treatment of metabolic syndrome by in vivo and computational studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 174-180.	2.2	5
42	Palladium-Catalyzed Addition/Cyclization of (2-Hydroxyaryl)boronic Acids with Alkynylphosphonates: Access to Phosphacoumarins. <i>Organic Letters</i> , 2020, 22, 8156-8160.	4.6	5
43	Visible-Light-Induced Oxidative C-H Functionalization of Unreactive Cycloalkanes, Alcohols, and Ethers with Alkynylphosphine Oxides into Benzo[ <i>b</i> ]phosphole Oxides under Photocatalyst-, Metal-, and Base-Free Conditions. <i>Journal of Organic Chemistry</i> , 2021, 86, 13092-13099.	3.2	5
44	Copper-catalyzed oxidative cross-dehydrogenative coupling (CDC) reaction of alcohols with secondary phosphine oxides. <i>Tetrahedron Letters</i> , 2022, 99, 153822.	1.4	5
45	Fragmentation of pentacoordinate spirobicyclic aminoacylphosphoranones (P <sup>5</sup> AAAs) by electrospray ionization tandem mass spectrometry concerning P=O and P=N bond cleavage. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3151-3160.	1.5	4
46	Effect of high hydrostatic pressure on prebiotic peptide synthesis. <i>Chinese Chemical Letters</i> , 2019, 30, 367-370.	9.0	4
47	Metabolomic investigation into molecular mechanisms of a clinical herb prescription against metabolic syndrome by a systematic approach. <i>RSC Advances</i> , 2017, 7, 55389-55399.	3.6	3
48	Identification of Potent LXR <sup>2</sup> -Selective Agonists without LXR <sup>1</sup> Activation by In Silico Approaches. <i>Molecules</i> , 2018, 23, 1349.	3.8	3
49	Fast Identification of Adverse Drug Reactions (ADRs) of Digestive and Nervous Systems of Organic Drugs by In Silico Models. <i>Molecules</i> , 2021, 26, 930.	3.8	1
50	Spectroscopic studies of the interaction between phosphorus heterocycles and cytochrome P450. <i>Journal of Pharmaceutical Analysis</i> , 2020, 11, 757-763.	5.3	1