

Yuzhen Gao

List of Publications by Year in descending order

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1321
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#	ARTICLE	IF	CITATIONS
1	Visible-Light-Driven Reductive Carboarylation of Styrenes with CO ₂ and Aryl Halides. <i>Journal of the American Chemical Society</i> , 2020, 142, 8122-8129.	13.7	171
2	<i>tert</i> -Butyl Hydroperoxide Mediated Cascade Synthesis of 3-Arylsulfonylquinolines. <i>Organic Letters</i> , 2016, 18, 1286-1289.	4.6	89
3	Phosphorothiolation of Aryl Boronic Acids Using P(O)H Compounds and Elemental Sulfur. <i>Organic Letters</i> , 2016, 18, 1266-1269.	4.6	84
4	A Cascade Phosphinoylation/Cyclization/Desulfonylation Process for the Synthesis of 3-Phosphinoylindoles. <i>Organic Letters</i> , 2016, 18, 1242-1245.	4.6	81
5	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
6	Direct Transformation of Amides into β -Amino Phosphonates via a Reductive Phosphination Process. <i>Organic Letters</i> , 2013, 15, 4214-4217.	4.6	72
7	Recent progress toward organophosphorus compounds based on phosphorus-centered radical difunctionalizations. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 589-596.	1.6	72
8	Rhodium(I)-Catalyzed Aryl C-H Carboxylation of 2-Arylanilines with CO ₂ . <i>Organic Letters</i> , 2019, 21, 3663-3669.	4.6	65
9	Palladium-Catalyzed Direct C-H Carbonylation of Free Primary Benzylamines: A Synthesis of Benzolactams. <i>Organic Letters</i> , 2018, 20, 2595-2598.	4.6	60
10	Copper-Catalyzed Cycloaddition between Secondary Phosphine Oxides and Alkynes: Synthesis of Benzophosphole Oxides. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 138-142.	4.3	57
11	Cascade Phosphinoylation/Cyclization/Isomerization Process for the Synthesis of 2-Phosphinoyl-9 <i>H</i> -pyrrolo[1,2- <i>a</i>]indoles. <i>Organic Letters</i> , 2016, 18, 5712-5715.	4.6	56
12	Mn(OAc) ₃ -mediated phosphonation-lactonization of alkenoic acids: synthesis of phosphono- β -butyrolactones. <i>Chemical Communications</i> , 2015, 51, 1605-1607.	4.1	49
13	Tetrabutylammonium Iodide-Catalyzed Phosphorylation of Benzyl C-H Bonds via a Cross-Dehydrogenative Coupling (CDC) Reaction. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3331-3335.	4.3	48
14	Copper-Catalyzed Phosphonation-Annulation Approaches to the Synthesis of β -Phosphonotetrahydrofurans Involving C-P and C-O Bonds Formation. <i>Journal of Organic Chemistry</i> , 2015, 80, 11398-11406.	3.2	42
15	Mn(OAc) ₃ -mediated synthesis of β -hydroxyphosphonates from P(O)H compounds and alkenes. <i>RSC Advances</i> , 2014, 4, 51776-51779.	3.6	41
16	Direct synthesis of 2-sulfonated 9 <i>H</i> -pyrrolo[1,2- <i>a</i>]indoles via NaI-catalyzed cascade radical addition/cyclization/isomerization. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1350-1353.	4.5	40
17	Copper-Catalyzed Cascade Radical Addition-Cyclization Halogen Atom Transfer between Alkynes and Unsaturated β -Halogenocarbonyls. <i>ACS Catalysis</i> , 2017, 7, 186-190.	11.2	35
18	Ag-Mediated Radical Cyclization of 2-Alkynylthio(seleno)anisoles: Direct Synthesis of 3-Phosphinoylbenzothio(seleno)phenes. <i>Organic Letters</i> , 2019, 21, 4605-4608.	4.6	35

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19	Copper-catalyzed cycloaddition between hydrogen phosphonates and activated alkenes: synthesis of phosphonoisoquinolinediones. <i>RSC Advances</i> , 2016, 6, 303-306.	3.6	34
20	Synthesis of 6-phenanthridinephosphonates via a Radical Phosphonation and Cyclization Process Mediated by Manganese(III) Acetate. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 691-694.	2.7	33
21	Recent Advances of Phosphorus-Centered Radical Promoted Difunctionalization of Unsaturated Carbon-Carbon Bonds. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 62.	1.3	31
22	Rhodium(II)-Catalyzed Aryl C-H Carboxylation of 2-pyridylphenols with CO ₂ . <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4005-4011.	4.3	30
23	Synthesis of 3-phosphinoylquinolines via a phosphinoylation-cyclization-aromatization process mediated by tert-butyl hydroperoxide. <i>RSC Advances</i> , 2016, 6, 60922-60925.	3.6	27
24	Synthesis of Diarylmethanes through Palladium-Catalyzed Coupling of Benzylic Phosphates with Arylsilanes. <i>Synlett</i> , 2014, 25, 2928-2932.	1.8	19
25	Palladium-catalyzed remote C-H activation of arenes assisted by a recyclable pyridine-based template. <i>Chemical Science</i> , 2021, 12, 4126-4131.	7.4	17
26	Cascade Radical Annulation of 2-Alkynylthio(seleno)anisoles with Acetone or Acetonitrile: Synthesis of 3-Acetomethyl- or Cyanomethyl-Substituted Benzothio(seleno)phenes. <i>Journal of Organic Chemistry</i> , 2021, 86, 1002-1011.	3.2	16
27	Mn(OAc) ₃ -mediated arylation-lactonization of alkenoic acids: synthesis of 1,3-disubstituted butyrolactones. <i>RSC Advances</i> , 2015, 5, 36167-36170.	3.6	15
28	Palladium-Catalyzed C(sp ²)-H Olefination of Free Primary and Secondary 2-Phenylethylamines: Access to Tetrahydroisoquinolines. <i>Journal of Organic Chemistry</i> , 2019, 84, 13003-13012.	3.2	15
29	Ligand Promoted, Palladium-Catalyzed C(sp ²)-H Arylation of Free Primary 2-Phenylethylamines. <i>Organic Letters</i> , 2019, 21, 4224-4228.	4.6	15
30	Photoinduced Phosphorylation/Cyclization of Cyanoaromatics for Divergent Access to Mono- and Diphosphorylated Polyheterocycles. <i>Organic Letters</i> , 2021, 23, 9348-9352.	4.6	13
31	Rh-Catalyzed regioselective arylcarboxylation of acrylamides with arylboronic acids and CO ₂ . <i>Green Chemistry</i> , 2020, 22, 7328-7332.	9.0	11
32	Copper-Catalyzed Oxidative Electrophilic Carbofunctionalization of Acrylamides for the Synthesis of Oxindoles. <i>Synlett</i> , 2014, 25, 2009-2012.	1.8	10
33	Cascade Annulation of 2-Alkynylthioanisoles with Unsaturated 1-Bromocarbonyls Leading to Thio-Benzobicyclic Skeletons. <i>Journal of Organic Chemistry</i> , 2018, 83, 13726-13733.	3.2	9
34	Radical Cascade Bicyclization/Aromatization of 1,7-Enynes with 1,3-Dicarbonyl Compounds towards 2,3-dihydro-1H-cyclopenta[<i>a</i>]naphthalenes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3750-3755.	4.3	6
35	Synthesis of 2-Substituted Benzothio(seleno)phenes and Indoles via Ag-Catalyzed Cyclization/Demethylation of 2-Alkynylthio(seleno)anisoles and 2-Alkynyldimethylanilines. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 653-656.	2.4	6
36	Oxone-mediated halocyclization/demethylation of 2-alkynylthioanisoles with sodium halides towards 3-halobenzo[<i>b</i>]thiophenes. <i>Tetrahedron Letters</i> , 2022, 90, 153614.	1.4	5

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37	Cleavage of phosphorus-carbon (P-C) bonds of α -amino phosphonates with intramolecular hydrogen migration in the gas phase using electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1964-1970.	1.5	4
38	Mn(OAc) ₃ -Mediated Synthesis of 3-Phosphonyldihydrofurans from α -Ketophosphonates and Alkenes. <i>Synlett</i> , 2017, 28, 724-728.	1.8	4
39	Mixed Anhydrides of Nucleotides and Amino Acids Give Dipeptides: A Model System for Studying the Origin of the Genetic Code?. <i>ChemistrySelect</i> , 2018, 3, 7849-7855.	1.5	4