Yang Gao

List of Publications by Citations

54 papers	1,288 citations	18 h-index	34 g-index
63 ext. papers	1,752 ext. citations	9 avg, IF	5.15 L-index

#	Paper	IF	Citations
54	Rhodium(III)-catalyzed N-nitroso-directed C-H olefination of arenes. High-yield, versatile coupling under mild conditions. *Journal of the American Chemical Society*, **2013**, 135, 468-73	16.4	205
53	Simple and Efficient Generation of Aryl Radicals from Aryl Triflates: Synthesis of Aryl Boronates and Aryl Iodides at Room Temperature. *Journal of the American Chemical Society*, **2017**, 139, 8621-8627	16.4	109
52	Copper-Catalyzed Intermolecular Oxidative Cyclization of Halo- alkynes: Synthesis of 2-Halo-substituted Imidazo[1,2-a]pyridines, Imidazo[1,2-a]pyrazines and Imidazo[1,2-a]pyrimidines. *Advanced Synthesis and Catalysis*, **2013**, 355, 2263-2273	5.6	97
51	Silver-mediated C-H activation: oxidative coupling/cyclization of N-arylimines and alkynes for the synthesis of quinolines. *Journal of Organic Chemistry*, **2012**, 77, 501-10	4.2	93
50	NBS-promoted halosulfonylation of terminal alkynes: highly regio- and stereoselective synthesis of (E)-halo vinylsulfones. *Organic Chemistry Frontiers*, **2014**, 1, 361-364	5.2	56
49	Palladium(0)-Catalyzed Directed syn-1,2-Carboboration and -Silylation: Alkene Scope, Applications in Dearomatization, and Stereocontrol by a Chiral Auxiliary. *Angewandte Chemie - International Edition*, **2019**, 58, 17068-17073	16.4	55
48	Transition-Metal-Catalyzed 1,2-Carboboration of Alkenes: Strategies, Mechanisms, and Stereocontrol. *Israel Journal of Chemistry*, **2020**, 60, 219-229	3.4	50
47	Rh-Catalyzed C-H Amination/Annulation of Acrylic Acids and Anthranils by Using -COOH as a Deciduous Directing Group: An Access to Diverse Quinolines. *Organic Letters*, **2020**, 22, 2600-2605	6.2	36
46	Palladium-Catalyzed Multicomponent Reaction (MCR) of Propargylic Carbonates with Isocyanides. *Organic Letters*, **2016**, 18, 5924-5927	6.2	36
45	Cascade CuH-Catalysed Conversion of Alkynes to Enantioenriched 1,1-Disubstituted Products. *Nature Catalysis*, **2020**, 3, 23-29	36.5	32
44	Synthesis of Polysubstituted 3-Amino Pyrroles via Palladium-Catalyzed Multicomponent Reaction. *Journal of Organic Chemistry*, **2017**, 82, 3581-3588	4.2	30
43	Hydride Elimination and C-H Activation by an Iridium Acetate Complex, Catalyzed by Lewis Acids. Alkane Dehydrogenation Cocatalyzed by Lewis Acids and [2,6-Bis(4,4-dimethyloxazolinyl)-3,5-dimethylphenyl]iridium. *Journal of the American Chemical Society*, **2017**, 139, 6338-6350	16.4	29
42	A phosphoryl radical-initiated Atherton-Todd-type reaction under open air. *Chemical Communications*, **2020**, 56, 1357-1360	5.8	29
41	Single Electron Activation of Aryl Carboxylic Acids. *IScience*, **2020**, 23, 101266	6.1	27
40	Ligand-Controlled Regiodivergence in Nickel-Catalyzed Hydroarylation and Hydroalkenylation of Alkenyl Carboxylic Acids*. *Angewandte Chemie - International Edition*, **2020**, 59, 23306-23312	16.4	26
39	Anthranils: versatile building blocks in the construction of CN bonds and N-heterocycles. *Organic Chemistry Frontiers*, **2020**, 7, 1177-1196	5.2	25
38	Total synthesis reveals atypical atropisomerism in a small-molecule natural product, tryptorubin A. *Science*, **2020**, 367, 458-463	33.3	23

37	Electrochemical Nozaki-Hiyama-Kishi Coupling: Scope, Applications, and Mechanism. *Journal of the American Chemical Society*, **2021**, 143, 9478-9488	16.4	19
36	Palladium(0)-Catalyzed Directed syn-1,2-Carboboration and -Silylation: Alkene Scope, Applications in Dearomatization, and Stereocontrol by a Chiral Auxiliary. *Angewandte Chemie*, **2019**, 131, 17224-17229	3.6	18
35	Regioselective nitration of anilines with Fe(NO)□9HO as a promoter and a nitro source. *Organic and Biomolecular Chemistry*, **2018**, 16, 3881-3884	3.9	18
34	NiH-Catalyzed Hydroamination/Cyclization Cascade: Rapid Access to Quinolines. *ACS Catalysis*, **2021**, 11, 7772-7779	13.1	18
33	Recent advances in phosphoranyl radical-mediated deoxygenative functionalisation. *Organic Chemistry Frontiers*, **2020**, 7, 2319-2324	5.2	17
32	Palladium-Catalyzed Tandem Oxidative Arylation/Olefination of Aromatic Tethered Alkenes/Alkynes. *Chemistry - A European Journal*, **2017**, 23, 793-797	4.8	17
31	BEDAM binding free energy predictions for the SAMPL4 octa-acid host challenge. *Journal of Computer-Aided Molecular Design*, **2015**, 29, 315-25	4.2	16
30	Synthesis of Stereodefined 1,1-Diborylalkenes via Copper-Catalyzed Diboration of Terminal Alkynes. *Organic Letters*, **2020**, 22, 5235-5239	6.2	16
29	Activation and Oxidation of Mesitylene C□H Bonds by (Phebox)Iridium(III) Complexes. *Organometallics*, **2015**, 34, 2879-2888	3.8	16
28	Copper-Catalyzed Electrophilic Amination of Arylboronic Acids with Anthranils: An Access to -Aryl-2-aminophenones. *Journal of Organic Chemistry*, **2020**, 85, 10222-10231	4.2	15
27	Recent Progress on Reductive Coupling of Nitroarenes by Using Organosilanes as Convenient Reductants. *Advanced Synthesis and Catalysis*, **2020**, 362, 3971-3986	5.6	13
26	Organic Azides: Versatile Synthons in Transition Metal-Catalyzed C(sp2)□H Amination/Annulation for N-Heterocycle Synthesis. *Advanced Synthesis and Catalysis*, **2021**, 363, 411-424	5.6	12
25	Ni-Electrocatalytic C(sp)-C(sp) Doubly Decarboxylative Coupling.. *Nature*, **2022**,	50.4	12
24	Weak coordinated nitrogen functionality enabled regioselective C-H alkynylation Pd(II)/mono--protected amino acid catalysis. *Chemical Communications*, **2020**, 56, 11255-11258	5.8	11
23	Cyclic (Alkyl)(amino)carbene Ligands Enable Cu-Catalyzed Markovnikov Protoboration and Protosilylation of Terminal Alkynes: A Versatile Portal to Functionalized Alkenes*. *Angewandte Chemie - International Edition*, **2021**, 60, 19871-19878	16.4	11
22	Ruthenium-catalysed C□H/C□N bond activation: facile access to isoindolinones. *Organic Chemistry Frontiers*, **2021**, 8, 915-921	5.2	11
21	General 5-Halomethyl Isoxazoline Synthesis Enabled by Copper-Catalyzed Oxyhalogenation of Alkenes. *Journal of Organic Chemistry*, **2019**, 84, 12656-12663	4.2	10
20	Selective Dehydrogenative Coupling of Ethylene to Butadiene via an Iridacyclopentane Complex. *Journal of the American Chemical Society*, **2018**, 140, 2260-2264	16.4	10

19	Pd-Catalyzed Synthesis of Vinyl Arenes from Aryl Halides and Acrylic Acid. *Chemistry - A European Journal*, **2019**, 25, 8709-8712	4.8	8
18	Radical chemistry of nitrosoarenes: concepts, synthetic applications and directions. *Chemical Communications*, **2020**, 56, 13719-13730	5.8	8
17	Rh(III)-Catalyzed Selective ortho-C–H Amination of Benzoic Acids with Anthranils: A Facile Access to Anthranilic Acid Derivatives (AAs). *ChemCatChem*, **2020**, 12, 2721-2725	5.2	7
16	Iron-Catalyzed and Air-Mediated C(sp3)–H Phosphorylation of 1,3-Dicarbonyl Compounds Involving C–C Bond Cleavage. *Advanced Synthesis and Catalysis*, **2020**, 362, 5783-5787	5.6	7
15	Ru-catalysed C(sp)-H vinylation/annulation of benzoic acids and alkynes: rapid access to medium-sized lactones. *Chemical Communications*, **2021**, 57, 1113-1116	5.8	7
14	A Transient Directing Group Strategy Enables Enantioselective Multicomponent Organofluorine Synthesis. *Journal of the American Chemical Society*, **2021**, 143, 8962-8969	16.4	5
13	(CAAC)Copper Catalysis Enables Regioselective Three-Component Carboboration of Terminal Alkynes. *ACS Catalysis*,7243-7247	13.1	5
12	Merging C-H Activation and Strain-Release in Ruthenium-Catalyzed Isoindolinone Synthesis. *Organic Letters*, **2021**, 23, 6332-6336	6.2	4
11	Ligand-Controlled Regiodivergence in Nickel-Catalyzed Hydroarylation and Hydroalkenylation of Alkenyl Carboxylic Acids**. *Angewandte Chemie*, **2020**, 132, 23506-23512	3.6	2
10	Cascade CuH-Catalyzed Conversion of Alkynes to Enantioenriched 1,1-Disubstituted Products		2
9	Transition-metal-free decarboxylative ipso amination of aryl carboxylic acids. *Organic Chemistry Frontiers*, **2021**, 8, 3434-3439	5.2	2
8	Nickel-Catalyzed Hydroamination of Olefins with Anthranils. *Journal of Organic Chemistry*, **2021**, 86, 12107-12118	4.2	1
7	Strain-release enabled [3 + 2] annulation of 3-aminooxetanes with simple CN bonds: facile synthesis of imidazolidines. *Organic Chemistry Frontiers*,	5.2	1
6	Sequential C-H activation enabled expedient delivery of polyfunctional arenes. *Chemical Communications*, **2021**, 57, 8075-8078	5.8	1
5	Ligand-accelerated site-selective Csp2–H and Csp3–H alkynylations of alcohols via Pd(II) catalysis. *Organic Chemistry Frontiers*,	5.2	1
4	Practical synthesis of 3-aryl anthranils an electrophilic aromatic substitution strategy.. *Chemical Science*, **2022**, 13, 2105-2114	9.4	0
3	A three-component reaction of arynes, sodium sulfinates, and aldehydes toward 2-sulfonyl benzyl alcohol derivatives. *Organic and Biomolecular Chemistry*, **2021**, 19, 7066-7073	3.9	0
2	Cyclic (Alkyl)(amino)carbene Ligands Enable Cu-Catalyzed Markovnikov Protoboration and Protosilylation of Terminal Alkynes: A Versatile Portal to Functionalized Alkenes**. *Angewandte Chemie*, **2021**, 133, 20024-20031	3.6	0

1	Recent advances in catalytic synthesis of medium-ring lactones and their derivatives. *Catalysis Science and Technology*,	5.5	0