

Yang Gao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Practical synthesis of 3-aryl anthranils an electrophilic aromatic substitution strategy.. <i>Chemical Science</i> , 2022 , 13, 2105-2114	9.4	0
53	Ni-Electrocatalytic C(sp)-C(sp) Doubly Decarboxylative Coupling.. <i>Nature</i> , 2022 ,	50.4	12
52	Electrochemical Nozaki-Hiyama-Kishi Coupling: Scope, Applications, and Mechanism. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9478-9488	16.4	19
51	NiH-Catalyzed Hydroamination/Cyclization Cascade: Rapid Access to Quinolines. <i>ACS Catalysis</i> , 2021 , 11, 7772-7779	13.1	18
50	A Transient Directing Group Strategy Enables Enantioselective Multicomponent Organofluorine Synthesis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8962-8969	16.4	5
49	Cyclic (Alkyl)(amino)carbene Ligands Enable Cu-Catalyzed Markovnikov Protoboration and Protosilylation of Terminal Alkynes: A Versatile Portal to Functionalized Alkenes*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19871-19878	16.4	11
48	Organic Azides: Versatile Synthons in Transition Metal-Catalyzed C(sp ²) [†] Amination/Annulation for N-Heterocycle Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 411-424	5.6	12
47	Ruthenium-catalysed C [†] /C [†] bond activation: facile access to isoindolinones. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 915-921	5.2	11
46	Ru-catalysed C(sp)-H vinylation/annulation of benzoic acids and alkynes: rapid access to medium-sized lactones. <i>Chemical Communications</i> , 2021 , 57, 1113-1116	5.8	7
45	Transition-metal-free decarboxylative ipso amination of aryl carboxylic acids. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 3434-3439	5.2	2
44	Sequential C-H activation enabled expedient delivery of polyfunctional arenes. <i>Chemical Communications</i> , 2021 , 57, 8075-8078	5.8	1
43	A three-component reaction of arynes, sodium sulfinates, and aldehydes toward 2-sulfonyl benzyl alcohol derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 7066-7073	3.9	0
42	Cyclic (Alkyl)(amino)carbene Ligands Enable Cu-Catalyzed Markovnikov Protoboration and Protosilylation of Terminal Alkynes: A Versatile Portal to Functionalized Alkenes**. <i>Angewandte Chemie</i> , 2021 , 133, 20024-20031	3.6	0
41	Merging C-H Activation and Strain-Release in Ruthenium-Catalyzed Isoindolinone Synthesis. <i>Organic Letters</i> , 2021 , 23, 6332-6336	6.2	4
40	Nickel-Catalyzed Hydroamination of Olefins with Anthranils. <i>Journal of Organic Chemistry</i> , 2021 , 86, 12107-12118	7.2	18
39	Ligand-Controlled Regiodivergence in Nickel-Catalyzed Hydroarylation and Hydroalkenylation of Alkenyl Carboxylic Acids**. <i>Angewandte Chemie</i> , 2020 , 132, 23506-23512	3.6	2
38	Recent Progress on Reductive Coupling of Nitroarenes by Using Organosilanes as Convenient Reductants. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 3971-3986	5.6	13

37	Synthesis of Stereodefined 1,1-Diborylalkenes via Copper-Catalyzed Diboration of Terminal Alkynes. <i>Organic Letters</i> , 2020 , 22, 5235-5239	6.2	16
36	Rh-Catalyzed C-H Amination/Annulation of Acrylic Acids and Anthranils by Using -COOH as a Deciduous Directing Group: An Access to Diverse Quinolines. <i>Organic Letters</i> , 2020 , 22, 2600-2605	6.2	36
35	Rh(III)-Catalyzed Selective ortho-C _H Amination of Benzoic Acids with Anthranils: A Facile Access to Anthranilic Acid Derivatives (AAs). <i>ChemCatChem</i> , 2020 , 12, 2721-2725	5.2	7
34	Copper-Catalyzed Electrophilic Amination of Arylboronic Acids with Anthranils: An Access to -Aryl-2-aminophenones. <i>Journal of Organic Chemistry</i> , 2020 , 85, 10222-10231	4.2	15
33	Recent advances in phosphoranyl radical-mediated deoxygenative functionalisation. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 2319-2324	5.2	17
32	Single Electron Activation of Aryl Carboxylic Acids. <i>IScience</i> , 2020 , 23, 101266	6.1	27
31	Anthranils: versatile building blocks in the construction of C _N bonds and N-heterocycles. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1177-1196	5.2	25
30	Transition-Metal-Catalyzed 1,2-Carboboration of Alkenes: Strategies, Mechanisms, and Stereocontrol. <i>Israel Journal of Chemistry</i> , 2020 , 60, 219-229	3.4	50
29	A phosphoryl radical-initiated Atherton-Todd-type reaction under open air. <i>Chemical Communications</i> , 2020 , 56, 1357-1360	5.8	29
28	Total synthesis reveals atypical atropisomerism in a small-molecule natural product, tryptorubin A. <i>Science</i> , 2020 , 367, 458-463	33.3	23
27	Cascade CuH-Catalysed Conversion of Alkynes to Enantioenriched 1,1-Disubstituted Products. <i>Nature Catalysis</i> , 2020 , 3, 23-29	36.5	32
26	Iron-Catalyzed and Air-Mediated C(sp ³) _H Phosphorylation of 1,3-Dicarbonyl Compounds Involving C _H Bond Cleavage. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 5783-5787	5.6	7
25	Radical chemistry of nitrosoarenes: concepts, synthetic applications and directions. <i>Chemical Communications</i> , 2020 , 56, 13719-13730	5.8	8
24	Weak coordinated nitrogen functionality enabled regioselective C-H alkynylation Pd(II)/mono-protected amino acid catalysis. <i>Chemical Communications</i> , 2020 , 56, 11255-11258	5.8	11
23	Ligand-Controlled Regiodivergence in Nickel-Catalyzed Hydroarylation and Hydroalkenylation of Alkenyl Carboxylic Acids*. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23306-23312	16.4	26
22	Palladium(0)-Catalyzed Directed syn-1,2-Carboboration and -Silylation: Alkene Scope, Applications in Dearomatization, and Stereocontrol by a Chiral Auxiliary. <i>Angewandte Chemie</i> , 2019 , 131, 17224-17229	3.6	18
21	General 5-Halomethyl Isoxazoline Synthesis Enabled by Copper-Catalyzed Oxyhalogenation of Alkenes. <i>Journal of Organic Chemistry</i> , 2019 , 84, 12656-12663	4.2	10
20	Pd-Catalyzed Synthesis of Vinyl Arenes from Aryl Halides and Acrylic Acid. <i>Chemistry - A European Journal</i> , 2019 , 25, 8709-8712	4.8	8

19	Palladium(0)-Catalyzed Directed syn-1,2-Carboboration and -Silylation: Alkene Scope, Applications in Dearomatization, and Stereocontrol by a Chiral Auxiliary. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17068-17073	16.4	55
18	Selective Dehydrogenative Coupling of Ethylene to Butadiene via an Iridacyclopentane Complex. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2260-2264	16.4	10
17	Regioselective nitration of anilines with Fe(NO) ₂ DHO as a promoter and a nitro source. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 3881-3884	3.9	18
16	β-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-dimethyloxazoliny)-3,5-dimethylphenyl]iridium. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6338-6350	16.4	29
15	Simple and Efficient Generation of Aryl Radicals from Aryl Triflates: Synthesis of Aryl Boronates and Aryl Iodides at Room Temperature. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8621-8627	16.4	109
14	Synthesis of Polysubstituted 3-Amino Pyrroles via Palladium-Catalyzed Multicomponent Reaction. <i>Journal of Organic Chemistry</i> , 2017 , 82, 3581-3588	4.2	30
13	Palladium-Catalyzed Tandem Oxidative Arylation/Olefination of Aromatic Tethered Alkenes/Alkynes. <i>Chemistry - A European Journal</i> , 2017 , 23, 793-797	4.8	17
12	Palladium-Catalyzed Multicomponent Reaction (MCR) of Propargylic Carbonates with Isocyanides. <i>Organic Letters</i> , 2016 , 18, 5924-5927	6.2	36
11	BEDAM binding free energy predictions for the SAMPL4 octa-acid host challenge. <i>Journal of Computer-Aided Molecular Design</i> , 2015 , 29, 315-25	4.2	16
10	Activation and Oxidation of Mesitylene C-H Bonds by (Phebox)Iridium(III) Complexes. <i>Organometallics</i> , 2015 , 34, 2879-2888	3.8	16
9	NBS-promoted halosulfonylation of terminal alkynes: highly regio- and stereoselective synthesis of (E)-halo vinylsulfones. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 361-364	5.2	56
8	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. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 2263-2273	5.6	97
7	Rhodium(III)-catalyzed N-nitroso-directed C-H olefination of arenes. High-yield, versatile coupling under mild conditions. <i>Journal of the American Chemical Society</i> , 2013 , 135, 468-73	16.4	205
6	Silver-mediated C-H activation: oxidative coupling/cyclization of N-arylimines and alkynes for the synthesis of quinolines. <i>Journal of Organic Chemistry</i> , 2012 , 77, 501-10	4.2	93
5	Cascade CuH-Catalyzed Conversion of Alkynes to Enantioenriched 1,1-Disubstituted Products		2
4	Strain-release enabled [3 + 2] annulation of 3-amino oxetanes with simple CN bonds: facile synthesis of imidazolidines. <i>Organic Chemistry Frontiers</i> ,	5.2	1
3	Ligand-accelerated site-selective Csp ² -H and Csp ³ -H alkynylations of alcohols via Pd(II) catalysis. <i>Organic Chemistry Frontiers</i> ,	5.2	1
2	Recent advances in catalytic synthesis of medium-ring lactones and their derivatives. <i>Catalysis Science and Technology</i> ,	5.5	0

- 1 (CAAC)Copper Catalysis Enables Regioselective Three-Component Carboboration of Terminal Alkynes. *ACS Catalysis*,7243-7247 13.1 5