Hong-Li Bao

List of Publications by Year
in descending order

83 papers	2,816 citations	147801 31 h-index	197818 49 g-index
84 all docs	84 docs citations	84 times ranked	1710 citing authors

#	Article	IF	Citations
1	Copper-Catalyzed Radical 1,4-Difunctionalization of 1,3-Enynes with Alkyl Diacyl Peroxides and N-Fluorobenzenesulfonimide. Journal of the American Chemical Society, 2019, 141, 548-559.	13.7	162
2	Iron-Catalyzed Carboamination of Olefins: Synthesis of Amines and Disubstituted Î²-Amino Acids. Journal of the American Chemical Society, 2017, 139, 13076-13082.	13.7	131
3	Ironâ€Catalyzed Decarboxylative Alkyl Etherification of Vinylarenes with Aliphatic Acids as the Alkyl Source. Angewandte Chemie - International Edition, 2017, 56, 3650-3654.	13.8	112
4	Copper-Catalyzed Enantioselective Radical 1,4-Difunctionalization of 1,3-Enynes. Journal of the American Chemical Society, 2020, 142, 18014-18021.	13.7	109
5	Barbier Hyperbranching Polymerization-Induced Emission toward Facile Fabrication of White Light-Emitting Diode and Light-Harvesting Film. Journal of the American Chemical Society, 2019, 141, 16839-16848.	13.7	101
6	Iron-catalyzed carboazidation of alkenes and alkynes. Nature Communications, 2019, 10, 122.	12.8	83
7	Catalytic Enantioselective Allylic Amination of Unactivated Terminal Olefins via an Ene Reaction/[2,3]-Rearrangement. Journal of the American Chemical Society, 2012, 134, 18495-18498.	13.7	82
8	Iron catalyzed methylation and ethylation of vinyl arenes. Chemical Science, 2017, 8, 2081-2085.	7.4	80
9	Copper-catalyzed 1,4-alkylarylation of 1,3-enynes with masked alkyl electrophiles. Chemical Science, 2019, 10, 3632-3636.	7.4	80
10	Recent Progress on Radical Decarboxylative Alkylation for Csp3â€“C Bond Formation. Synthesis, 2017, 49, 5263-5284.	2.3	77
11	Radical azidation as a means of constructing C(sp3)-N3 bonds. Green Synthesis and Catalysis, 2020, 1, 86-120.	6.8	72
12	Iron-Catalyzed Câ€“H Alkylation of Heterocyclic Câ€“H Bonds. Organic Letters, 2017, 19, 46-49.	4.6	71
13	NBNâ€Doped Conjugated Polycyclic Aromatic Hydrocarbons as an AIEgen Class for Extremely Sensitive Detection of Explosives. Angewandte Chemie - International Edition, 2018, 57, 15510-15516.	13.8	67
14	BINOLateâ€“Magnesium Catalysts for Enantioselective Heteroâ€Dielsâ€“Alder Reaction of Danishefsky's Diene with Aldehydes. European Journal of Organic Chemistry, 2008, 2008, 2248-2254.	2.4	65
15	Copper-Catalyzed Regioselective 1,2-Alkylesterification of Dienes to Allylic Esters. Organic Letters, 2016, 18, 392-395.	4.6	64
16	Copper-Catalyzed Ligand-Free Diazidation of Olefins with TMSN₃ in CH₃CN or in H₂O. Organic Letters, 2017, 19, 6120-6123.	4.6	60
17	Iron-catalysed asymmetric carboazidation of styrenes. Nature Catalysis, 2021, 4, 28-35.	34.4	60
18	Î³-Amino Butyric Acid (GABA) Synthesis Enabled by Copper-Catalyzed Carboamination of Alkenes. Organic Letters, 2017, 19, 4718-4721.	4.6	59

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19	Enantioselective Ring Opening Reaction of mesoâ€Epoxides with Aromatic and Aliphatic Amines Catalyzed by Magnesium Complexes of BINOL Derivatives. European Journal of Organic Chemistry, 2010, 2010, 6722-6726.	2.4	58
20	Merging Visible-Light Photocatalysis and Transition-Metal Catalysis in Three-Component Alkyl-Fluorination of Olefins with a Fluoride Ion. Organic Letters, 2018, 20, 4245-4249.	4.6	55
21	Catalytic Enantioselective [2,3]-Rearrangements of Amine N-Oxides. Journal of the American Chemical Society, 2011, 133, 1206-1208.	13.7	51
22	Copper-Catalyzed Radical Acyl-Cyanation of Alkenes with Mechanistic Studies on the tert-Butoxy Radical. ACS Catalysis, 2019, 9, 5191-5197.	11.2	50
23	Synthesis of difluoromethylated allenes through trifunctionalization of 1,3-enynes. Nature Communications, 2020, 11, 416.	12.8	44
24	Ironâ€Catalyzed Radical Asymmetric Aminoazidation and Diazidation of Styrenes. Angewandte Chemie - International Edition, 2021, 60, 12455-12460.	13.8	43
25	Iron-Catalyzed Radical Acyl-Azidation of Alkenes with Aldehydes: Synthesis of Unsymmetrical Î²-Azido Ketones. Organic Letters, 2019, 21, 256-260.	4.6	41
26	Iron-Catalyzed Dehydrative Alkylation of Propargyl Alcohol with Alkyl Peroxides To Form Substituted 1,3-Enynes. Organic Letters, 2018, 20, 3202-3205.	4.6	40
27	Radical transformations for allene synthesis. Chemical Science, 2022, 13, 8491-8506.	7.4	38
28	Alkyl Esterification of Vinylarenes Enabled by Visibleâ€Lightâ€Induced Decarboxylation. Chemistry - A European Journal, 2017, 23, 11767-11770.	3.3	37
29	Copperâ€Catalyzed Decarboxylative Alkylation of Terminal Alkynes. Advanced Synthesis and Catalysis, 2017, 359, 3720-3724.	4.3	34
30	Iron-Catalyzed Alkylazidation of 1,1-Disubstituted Alkenes with Diacylperoxides and TMSN₃. Organic Letters, 2020, 22, 3195-3199.	4.6	34
31	Hydroalkylation of terminal aryl alkynes with alkyl diacyl peroxides. Tetrahedron Letters, 2016, 57, 5677-5680.	1.4	31
32	Cu-Catalyzed Alkylarylation of Vinylarenes with Masked Alkyl Electrophiles. Organic Letters, 2020, 22, 620-625.	4.6	30
33	Iron(II)-Catalyzed Heck-Type Coupling of Vinylarenes with Alkyl Iodides. Organic Letters, 2019, 21, 776-779.	4.6	29
34	Ironâ€Catalyzed Radical Decarboxylative Oxyalkylation of Terminal Alkynes with Alkyl Peroxides. Chemistry - A European Journal, 2017, 23, 10254-10258.	3.3	28
35	Iron-Catalyzed Decarboxylative Alkyl Etherification of Vinylarenes with Aliphatic Acids as the Alkyl Source. Angewandte Chemie, 2017, 129, 3704-3708.	2.0	26
36	Barbier Self-Condensing Ketyl Polymerization-Induced Emission: A Polarity Reversal Approach to Reversed Polymerizability. IScience, 2020, 23, 101031.	4.1	25

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37	Copperâ€Catalyzed Enantioselective Cyano(Fluoro)Alkylation of Alkenes. Advanced Synthesis and Catalysis, 2020, 362, 2211-2215.	4.3	25
38	Room-temperature Barbier single-atom polymerization induced emission as a versatile approach for the utilization of monofunctional carboxylic acid resources. Polymer Chemistry, 2022, 13, 592-599.	3.9	24
39	Asymmetric radical carboesterification of dienes. Nature Communications, 2021, 12, 6670.	12.8	24
40	Regioselective and diastereoselective aminoarylation of 1,3-dienes. Chemical Science, 2014, 5, 4863-4867.	7.4	22
41	Copper-catalyzed regioselective allylic oxidation of olefins via Câ€“H activation. Tetrahedron Letters, 2017, 58, 4125-4128.	1.4	22
42	Barbier-Type Nitro/Nitroso Addition Polymerization as a Versatile Approach for Molecular Design of Polyarylamines through Câ€“N Bond Formation. Macromolecules, 2021, 54, 9919-9926.	4.8	22
43	Iron(III)-Catalyzed Ortho-Preferred Radical Nucleophilic Alkylation of Electron-Deficient Arenes. Organic Letters, 2017, 19, 6538-6541.	4.6	21
44	Practical Method for Reductive Deuteration of Ketones with Magnesium and D2O. Organic Letters, 2020, 22, 991-996.	4.6	21
45	Copperâ€Catalyzed Radical Enantioselective Carboâ€Esterification of Styrenes Enabled by a Perfluoroalkylatedâ€PyBox Ligand. Angewandte Chemie - International Edition, 2022, 61, e202202077.	13.8	21
46	Enantioselective Ring Opening of mesoâ€Epoxides with Aromatic Amines Catalyzed by Dinuclear Magnesium Complexes. Chinese Journal of Chemistry, 2013, 31, 67-71.	4.9	20
47	Exploitation of Monofunctional Carbonyl Resources by Barbier Polymerization for Materials with Polymerization-Induced Emission. Cell Reports Physical Science, 2020, 1, 100116.	5.6	20
48	Copper(I)-Catalyzed Cyanoperfluoroalkylation of Alkynes. Organic Letters, 2019, 21, 7078-7083.	4.6	19
49	1,4-Fluoroamination of 1,3-Enynes en Route to Fluorinated Allenes. Organic Letters, 2020, 22, 5261-5265.	4.6	19
50	Iron-Catalyzed Asymmetric Decarboxylative Azidation. Organic Letters, 2021, 23, 8847-8851.	4.6	19
51	NBNâ€Doped Conjugated Polycyclic Aromatic Hydrocarbons as an AIEgen Class for Extremely Sensitive Detection of Explosives. Angewandte Chemie, 2018, 130, 15736-15742.	2.0	17
52	Regioselective Three-Component Synthesis of Vicinal Diamines via 1,2-Diamination of Styrenes. Organic Letters, 2021, 23, 3184-3189.	4.6	17
53	Barbier Hyperbranching Polymerizationâ€Induced Emission from an ABâ€Type Monomer. Chemistry - A European Journal, 2022, 28, .	3.3	17
54	Iron-Catalyzed Oxyalkylation of Terminal Alkynes with Alkyl Iodides. Organic Letters, 2019, 21, 261-265.	4.6	16

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55	Triarylmethanolation as a versatile strategy for the conversion of PAHs into amorphization-induced emission luminogens for extremely sensitive explosive detection and fabrication of artificial light-harvesting systems. Materials Chemistry Frontiers, 2020, 4, 2435-2442.	5.9	16
56	Direct synthesis of pentasubstituted pyrroles and hexasubstituted pyrrolines from propargyl sulfonylamides and allenamides. Chemical Science, 2021, 12, 9162-9167.	7.4	15
57	Catalytic Enantioselective Allylic Amination of Olefins for the Synthesis of Âent-Sitagliptin. Synlett, 2013, 24, 2459-2463.	1.8	14
58	Copper-catalyzed three-component oxycyanation of alkenes. Organic Chemistry Frontiers, 2021, 8, 908-914.	4.5	14
59	Living Covalent-Anionic-Radical Polymerization via a Barbier Strategy. ACS Macro Letters, 2022, 11, 354-361.	4.8	14
60	HOTf-Catalyzed Alkyl-Heck-type Reaction. IScience, 2018, 3, 255-263.	4.1	13
61	Radical 1,2,3-tricarbofunctionalization of Î±-vinyl-Î²-ketoesters enabled by a carbon shift from an all-carbon quaternary center. Chemical Science, 2022, 13, 6836-6841.	7.4	13
62	Iron-Catalyzed Carboiodination of Alkynes. Synthesis, 2018, 50, 2974-2980.	2.3	11
63	A Metal-Free Approach for BrÃ¸nsted Acid Promoted Câ€“H AlkylÂation of Heteroarenes with Alkyl Peroxides. Synthesis, 2018, 50, 3250-3256.	2.3	11
64	Revealing the Iron-Catalyzed Î²-Methyl Scission of tert-Butoxyl Radicals via the Mechanistic Studies of Carboazidation of Alkenes. Molecules, 2020, 25, 1224.	3.8	10
65	Well-controlled polymerization of tri-vinyl dynamic covalent boroxine monomer: one dynamic covalent boroxine moiety toward a tunable penta-responsive polymer. Polymer Chemistry, 2020, 11, 2914-2922.	3.9	10
66	Metal-free intermolecular aminochlorination of unactivated alkenes. Organic Chemistry Frontiers, 2018, 5, 1303-1307.	4.5	9
67	Copper(I)-catalyzed tandem reaction: synthesis of 1,4-disubstituted 1,2,3-triazoles from alkyl diacyl peroxides, azidotrimethylsilane, and alkynes. Beilstein Journal of Organic Chemistry, 2018, 14, 2916-2922.	2.2	9
68	Ironâ€Catalyzed Vinylic Câˆ’H Alkylation with Alkyl Peroxides. Chemistry - an Asian Journal, 2018, 13, 2522-2528.	3.3	9
69	Copper-catalyzed diesterification of 1,3-diene for the synthesis of allylic diester compounds. Tetrahedron Letters, 2016, 57, 3400-3403.	1.4	7
70	Protection of COOH and OH groups in acid, base and salt free reactions. Green Chemistry, 2018, 20, 1444-1447.	9.0	7
71	The Introduction of the Radical Cascade Reaction into Polymer Chemistry: A One-Step Strategy for Synchronized Polymerization and Modification. IScience, 2020, 23, 100902.	4.1	7
72	Iron phthalocyanine-catalyzed radical phosphinoylazidation of alkenes: A facile synthesis of Î²-azido-phosphine oxide with a fast azido transfer step. Chinese Journal of Catalysis, 2021, 42, 1634-1640.	14.0	7

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73	Synthesis of unsymmetrically tetrasubstituted pyrroles and studies of AIEE in pyrrolo[1,2-a]pyrimidine derivatives. Chemical Science, 2022, 13, 5667-5673.	7.4	7
74	Copper-Catalyzed Nitrogenation of Aromatic and Aliphatic Aldehydes: A Direct Route to Carbamoyl Azides. Synthesis, 2019, 51, 4645-4649.	2.3	5
75	Metal-free alkynylsulfonylation of vinylarenes. Organic Chemistry Frontiers, 2021, 8, 1817-1822.	4.5	4
76	Iron-Catalyzed Decarboxylative Heck-Type Alkylation of Conjugate 1,3-Dienes. Chinese Journal of Organic Chemistry, 2021, 41, 2707.	1.3	3
77	Unpredicted Concentration-Dependent Sensory Properties of Pyrene-Containing NBN-Doped Polycyclic Aromatic Hydrocarbons. Molecules, 2022, 27, 327.	3.8	3
78	Palladium-catalyzed three-component 1,4-carboarylation of 1,3-enynes with malonic esters and aryl iodides. Synthesis, 0, 0, .	2.3	2
79	Synthesis of Amidine Derivatives by Intermolecular Radical ÂAddition to Nitrile Groups of AIBN Derivatives. Synlett, 2021, 32, 395-400.	1.8	1
80	Ironâ€Catalyzed Radical Asymmetric Aminoazidation and Diazidation of Styrenes. Angewandte Chemie, 2021, 133, 12563-12568.	2.0	0
81	Rhodol-based fluorescent probes used for fast response toward ClO- and delayed determination of H2O2 in living cells. Synthesis, 0, 0, .	2.3	0
82	Radical Oxyazidation of Alkenes in Pure Water. Synthesis, 0, 0, .	2.3	0
83	Copperâ€catalyzed radical enantioselective carboâ€esterification of styrenes enabled by a perfluoroalkylatedâ€PyBox ligand. Angewandte Chemie, 0, , .	2.0	0