

# Hong-Li Bao

## List of Publications by Year in descending order

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83  
papers

2,816  
citations

147566

31  
h-index

197535

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 <i>N</i> -Fluorobenzenesulfonimide. <i>Journal of the American Chemical Society</i> , 2019, 141, 548-559.	6.6	162
2	Iron-Catalyzed Carboamination of Olefins: Synthesis of Amines and Disubstituted $\beta$ -Amino Acids. <i>Journal of the American Chemical Society</i> , 2017, 139, 13076-13082.	6.6	131
3	Iron-Catalyzed Decarboxylative Alkyl Etherification of Vinylarenes with Aliphatic Acids as the Alkyl Source. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3650-3654.	7.2	112
4	Copper-Catalyzed Enantioselective Radical 1,4-Difunctionalization of 1,3-Enynes. <i>Journal of the American Chemical Society</i> , 2020, 142, 18014-18021.	6.6	109
5	Barbier Hyperbranching Polymerization-Induced Emission toward Facile Fabrication of White Light-Emitting Diode and Light-Harvesting Film. <i>Journal of the American Chemical Society</i> , 2019, 141, 16839-16848.	6.6	101
6	Iron-catalyzed carboazidation of alkenes and alkynes. <i>Nature Communications</i> , 2019, 10, 122.	5.8	83
7	Catalytic Enantioselective Allylic Amination of Unactivated Terminal Olefins via an Ene Reaction/[2,3]-Rearrangement. <i>Journal of the American Chemical Society</i> , 2012, 134, 18495-18498.	6.6	82
8	Iron catalyzed methylation and ethylation of vinyl arenes. <i>Chemical Science</i> , 2017, 8, 2081-2085.	3.7	80
9	Copper-catalyzed 1,4-alkylation of 1,3-enynes with masked alkyl electrophiles. <i>Chemical Science</i> , 2019, 10, 3632-3636.	3.7	80
10	Recent Progress on Radical Decarboxylative Alkylation for C(sp <sup>3</sup> )-C Bond Formation. <i>Synthesis</i> , 2017, 49, 5263-5284.	1.2	77
11	Radical azidation as a means of constructing C(sp <sup>3</sup> )-N <sub>3</sub> bonds. <i>Green Synthesis and Catalysis</i> , 2020, 1, 86-120.	3.7	72
12	Iron-Catalyzed C-H Alkylation of Heterocyclic C-H Bonds. <i>Organic Letters</i> , 2017, 19, 46-49.	2.4	71
13	NBDoped Conjugated Polycyclic Aromatic Hydrocarbons as an AIEgen Class for Extremely Sensitive Detection of Explosives. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15510-15516.	7.2	67
14	BINOLate-Magnesium Catalysts for Enantioselective Hetero-Diels-Alder Reaction of Danishefsky's Diene with Aldehydes. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2248-2254.	1.2	65
15	Copper-Catalyzed Regioselective 1,2-Alkylesterification of Dienes to Allylic Esters. <i>Organic Letters</i> , 2016, 18, 392-395.	2.4	64
16	Copper-Catalyzed Ligand-Free Diazidation of Olefins with TMSN <sub>3</sub> in CH <sub>3</sub> CN or in H <sub>2</sub> O. <i>Organic Letters</i> , 2017, 19, 6120-6123.	2.4	60
17	Iron-catalysed asymmetric carboazidation of styrenes. <i>Nature Catalysis</i> , 2021, 4, 28-35.	16.1	60
18	$\beta$ -Amino Butyric Acid (GABA) Synthesis Enabled by Copper-Catalyzed Carboamination of Alkenes. <i>Organic Letters</i> , 2017, 19, 4718-4721.	2.4	59

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19	Enantioselective Ring Opening Reaction of <i>meso</i> -Epoxides with Aromatic and Aliphatic Amines Catalyzed by Magnesium Complexes of BINOL Derivatives. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6722-6726.	1.2	58
20	Merging Visible-Light Photocatalysis and Transition-Metal Catalysis in Three-Component Alkyl-Fluorination of Olefins with a Fluoride Ion. <i>Organic Letters</i> , 2018, 20, 4245-4249.	2.4	55
21	Catalytic Enantioselective [2,3]-Rearrangements of Amine <i>N</i> -Oxides. <i>Journal of the American Chemical Society</i> , 2011, 133, 1206-1208.	6.6	51
22	Copper-Catalyzed Radical Acyl-Cyanation of Alkenes with Mechanistic Studies on the <i>tert</i> -Butoxy Radical. <i>ACS Catalysis</i> , 2019, 9, 5191-5197.	5.5	50
23	Synthesis of difluoromethylated allenes through trifunctionalization of 1,3-enynes. <i>Nature Communications</i> , 2020, 11, 416.	5.8	44
24	Iron-Catalyzed Radical Asymmetric Aminoazidation and Diazidation of Styrenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12455-12460.	7.2	43
25	Iron-Catalyzed Radical Acyl-Azidation of Alkenes with Aldehydes: Synthesis of Unsymmetrical $\beta$ -Azido Ketones. <i>Organic Letters</i> , 2019, 21, 256-260.	2.4	41
26	Iron-Catalyzed Dehydrative Alkylation of Propargyl Alcohol with Alkyl Peroxides To Form Substituted 1,3-Enynes. <i>Organic Letters</i> , 2018, 20, 3202-3205.	2.4	40
27	Radical transformations for allene synthesis. <i>Chemical Science</i> , 2022, 13, 8491-8506.	3.7	38
28	Alkyl Esterification of Vinylarenes Enabled by Visible-Light-Induced Decarboxylation. <i>Chemistry - A European Journal</i> , 2017, 23, 11767-11770.	1.7	37
29	Copper-Catalyzed Decarboxylative Alkylation of Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3720-3724.	2.1	34
30	Iron-Catalyzed Alkylazidation of 1,1-Disubstituted Alkenes with Diacylperoxides and TMSN <sub>3</sub> . <i>Organic Letters</i> , 2020, 22, 3195-3199.	2.4	34
31	Hydroalkylation of terminal aryl alkynes with alkyl diacyl peroxides. <i>Tetrahedron Letters</i> , 2016, 57, 5677-5680.	0.7	31
32	Cu-Catalyzed Alkylarylation of Vinylarenes with Masked Alkyl Electrophiles. <i>Organic Letters</i> , 2020, 22, 620-625.	2.4	30
33	Iron(II)-Catalyzed Heck-Type Coupling of Vinylarenes with Alkyl Iodides. <i>Organic Letters</i> , 2019, 21, 776-779.	2.4	29
34	Iron-Catalyzed Radical Decarboxylative Oxyalkylation of Terminal Alkynes with Alkyl Peroxides. <i>Chemistry - A European Journal</i> , 2017, 23, 10254-10258.	1.7	28
35	Iron-Catalyzed Decarboxylative Alkyl Etherification of Vinylarenes with Aliphatic Acids as the Alkyl Source. <i>Angewandte Chemie</i> , 2017, 129, 3704-3708.	1.6	26
36	Barbier Self-Condensing Ketyl Polymerization-Induced Emission: A Polarity Reversal Approach to Reversed Polymerizability. <i>IScience</i> , 2020, 23, 101031.	1.9	25

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37	Copper-Catalyzed Enantioselective Cyano(Fluoro)Alkylation of Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2211-2215.	2.1	25
38	Room-temperature Barbier single-atom polymerization induced emission as a versatile approach for the utilization of monofunctional carboxylic acid resources. <i>Polymer Chemistry</i> , 2022, 13, 592-599.	1.9	24
39	Asymmetric radical carboesterification of dienes. <i>Nature Communications</i> , 2021, 12, 6670.	5.8	24
40	Regioselective and diastereoselective aminoarylation of 1,3-dienes. <i>Chemical Science</i> , 2014, 5, 4863-4867.	3.7	22
41	Copper-catalyzed regioselective allylic oxidation of olefins via C-H activation. <i>Tetrahedron Letters</i> , 2017, 58, 4125-4128.	0.7	22
42	Barbier-Type Nitro/Nitroso Addition Polymerization as a Versatile Approach for Molecular Design of Polyarylamines through C-N Bond Formation. <i>Macromolecules</i> , 2021, 54, 9919-9926.	2.2	22
43	Iron(III)-Catalyzed Ortho-Preferred Radical Nucleophilic Alkylation of Electron-Deficient Arenes. <i>Organic Letters</i> , 2017, 19, 6538-6541.	2.4	21
44	Practical Method for Reductive Deuteration of Ketones with Magnesium and D <sub>2</sub> O. <i>Organic Letters</i> , 2020, 22, 991-996.	2.4	21
45	Copper-Catalyzed Radical Enantioselective Carboesterification of Styrenes Enabled by a Perfluoroalkylated PyBox Ligand. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202202077.	7.2	21
46	Enantioselective Ring Opening of <i>meso</i> -Epoxides with Aromatic Amines Catalyzed by Dinuclear Magnesium Complexes. <i>Chinese Journal of Chemistry</i> , 2013, 31, 67-71.	2.6	20
47	Exploitation of Monofunctional Carbonyl Resources by Barbier Polymerization for Materials with Polymerization-Induced Emission. <i>Cell Reports Physical Science</i> , 2020, 1, 100116.	2.8	20
48	Copper(I)-Catalyzed Cyanoperfluoroalkylation of Alkynes. <i>Organic Letters</i> , 2019, 21, 7078-7083.	2.4	19
49	1,4-Fluoroamination of 1,3-Enynes en Route to Fluorinated Allenes. <i>Organic Letters</i> , 2020, 22, 5261-5265.	2.4	19
50	Iron-Catalyzed Asymmetric Decarboxylative Azidation. <i>Organic Letters</i> , 2021, 23, 8847-8851.	2.4	19
51	NBN-Doped Conjugated Polycyclic Aromatic Hydrocarbons as an AIEgen Class for Extremely Sensitive Detection of Explosives. <i>Angewandte Chemie</i> , 2018, 130, 15736-15742.	1.6	17
52	Regioselective Three-Component Synthesis of Vicinal Diamines via 1,2-Diamination of Styrenes. <i>Organic Letters</i> , 2021, 23, 3184-3189.	2.4	17
53	Barbier Hyperbranching Polymerization-Induced Emission from an AB-Type Monomer. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	17
54	Iron-Catalyzed Oxyalkylation of Terminal Alkynes with Alkyl Iodides. <i>Organic Letters</i> , 2019, 21, 261-265.	2.4	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. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2435-2442.	3.2	16
56	Direct synthesis of pentasubstituted pyrroles and hexasubstituted pyrrolines from propargyl sulfonylamides and allenamides. <i>Chemical Science</i> , 2021, 12, 9162-9167.	3.7	15
57	Catalytic Enantioselective Allylic Amination of Olefins for the Synthesis of $\hat{\text{A}}\text{ent}$ -Sitagliptin. <i>Synlett</i> , 2013, 24, 2459-2463.	1.0	14
58	Copper-catalyzed three-component oxycyanation of alkenes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 908-914.	2.3	14
59	Living Covalent-Anionic-Radical Polymerization via a Barbier Strategy. <i>ACS Macro Letters</i> , 2022, 11, 354-361.	2.3	14
60	HOTf-Catalyzed Alkyl-Heck-type Reaction. <i>IScience</i> , 2018, 3, 255-263.	1.9	13
61	Radical 1,2,3-tricarbofunctionalization of $\hat{\text{I}}^{\pm}$ -vinyl- $\hat{\text{I}}^2$ -ketoesters enabled by a carbon shift from an all-carbon quaternary center. <i>Chemical Science</i> , 2022, 13, 6836-6841.	3.7	13
62	Iron-Catalyzed Carboiodination of Alkynes. <i>Synthesis</i> , 2018, 50, 2974-2980.	1.2	11
63	A Metal-Free Approach for Br $\hat{\text{A}}$ nsted Acid Promoted C $\hat{\text{A}}^{\text{H}}$ Alkyl $\hat{\text{A}}$ ation of Heteroarenes with Alkyl Peroxides. <i>Synthesis</i> , 2018, 50, 3250-3256.	1.2	11
64	Revealing the Iron-Catalyzed $\hat{\text{I}}^2$ -Methyl Scission of tert-Butoxyl Radicals via the Mechanistic Studies of Carboazidation of Alkenes. <i>Molecules</i> , 2020, 25, 1224.	1.7	10
65	Well-controlled polymerization of tri-vinyl dynamic covalent boroxine monomer: one dynamic covalent boroxine moiety toward a tunable penta-responsive polymer. <i>Polymer Chemistry</i> , 2020, 11, 2914-2922.	1.9	10
66	Metal-free intermolecular aminochlorination of unactivated alkenes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1303-1307.	2.3	9
67	Copper(I)-catalyzed tandem reaction: synthesis of 1,4-disubstituted 1,2,3-triazoles from alkyl diacyl peroxides, azidotrimethylsilane, and alkynes. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2916-2922.	1.3	9
68	Iron $\hat{\text{C}}$ atalyzed Vinylic C $\hat{\text{H}}$ Alkylation with Alkyl Peroxides. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2522-2528.	1.7	9
69	Copper-catalyzed diesterification of 1,3-diene for the synthesis of allylic diester compounds. <i>Tetrahedron Letters</i> , 2016, 57, 3400-3403.	0.7	7
70	Protection of COOH and OH groups in acid, base and salt free reactions. <i>Green Chemistry</i> , 2018, 20, 1444-1447.	4.6	7
71	The Introduction of the Radical Cascade Reaction into Polymer Chemistry: A One-Step Strategy for Synchronized Polymerization and Modification. <i>IScience</i> , 2020, 23, 100902.	1.9	7
72	Iron phthalocyanine-catalyzed radical phosphinoylazidation of alkenes: A facile synthesis of $\hat{\text{I}}^2$ -azido-phosphine oxide with a fast azido transfer step. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1634-1640.	6.9	7

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73	Synthesis of unsymmetrically tetrasubstituted pyrroles and studies of AIEE in pyrrolo[1,2- <i>a</i> ]pyrimidine derivatives. <i>Chemical Science</i> , 2022, 13, 5667-5673.	3.7	7
74	Copper-Catalyzed Nitrogenation of Aromatic and Aliphatic Aldehydes: A Direct Route to Carbamoyl Azides. <i>Synthesis</i> , 2019, 51, 4645-4649.	1.2	5
75	Metal-free alkynylsulfonylation of vinylarenes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1817-1822.	2.3	4
76	Iron-Catalyzed Decarboxylative Heck-Type Alkylation of Conjugate 1,3-Dienes. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 2707.	0.6	3
77	Unpredicted Concentration-Dependent Sensory Properties of Pyrene-Containing NBN-Doped Polycyclic Aromatic Hydrocarbons. <i>Molecules</i> , 2022, 27, 327.	1.7	3
78	Palladium-catalyzed three-component 1,4-carboarylation of 1,3-enynes with malonic esters and aryl iodides. <i>Synthesis</i> , 0, 0, .	1.2	2
79	Synthesis of Amidine Derivatives by Intermolecular Radical Addition to Nitrile Groups of AIBN Derivatives. <i>Synlett</i> , 2021, 32, 395-400.	1.0	1
80	Iron-Catalyzed Radical Asymmetric Aminoazidation and Diazidation of Styrenes. <i>Angewandte Chemie</i> , 2021, 133, 12563-12568.	1.6	0
81	Rhodol-based fluorescent probes used for fast response toward ClO <sup>-</sup> and delayed determination of H <sub>2</sub> O <sub>2</sub> in living cells. <i>Synthesis</i> , 0, 0, .	1.2	0
82	Radical Oxyazidation of Alkenes in Pure Water. <i>Synthesis</i> , 0, 0, .	1.2	0
83	Copper-catalyzed radical enantioselective carboesterification of styrenes enabled by a perfluoroalkylated PyBox ligand. <i>Angewandte Chemie</i> , 0, , .	1.6	0