Baiquan Wang

List of Publications by Year
in descending order

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91 papers	3,889 citations	136950 32 h-index	128289 60 g-index
92 all docs	92 docs citations	92 times ranked	2653 citing authors

#	Article	IF	Citations
1	Niâ€€Catalyzed Direct Carboxylation of Aryl Câˆ’H Bonds in Benzamides with CO₂. Advanced Synthesis and Catalysis, 2022, 364, 493-499.	4.3	10
2	Rhodium-catalyzed denitrogenative gem-difunctionalization of pyridotriazoles with thioesters: formal carbene insertion into C(O)â€“S bonds. Chemical Communications, 2022, 58, 1017-1020.	4.1	5
3	Access to 5-fluoroalkylated trisubstituted oxazoles via copper-catalyzed cyclization of Î±-fluoroalkyl-Î±-diazoketones with amides. Chemical Communications, 2022, 58, 4853-4856.	4.1	3
4	Nickelâ€€Catalyzed Carboxylation of Aryl Câˆ’F Bonds with CO ₂. Advanced Synthesis and Catalysis, 2022, 364, 1245-1250.	4.3	2
5	Homo- and copolymerization of norbornene using tridentate IzQO palladium catalysts with dimethylaminoethyl as a side arm. Polymer Chemistry, 2021, 12, 4736-4747.	3.9	4
6	Homoâ€•and Copolymerization of Norbornene with Allyl Palladium and Nickel Complexes Bearing Imidazo[1,5â€‘a]pyridine Sulfonate Ligands. European Journal of Inorganic Chemistry, 2021, 2021, 4661-4668.	2.0	5
7	Rh^{III}-Catalyzed Synthesis of Cyclopenta[b]carbazoles via Cascade Câ€“H/Câ€“C Bond Cleavage and Cyclization Reactions: Using Amide as a Traceless Directing Group. Organic Letters, 2020, 22, 83-87.	4.6	18
8	The regioselective annulation of alkylidenecyclopropanes by Rh(<scp>iii</scp>)-catalyzed Câ€“H/Câ€“C activation to access spirocyclic benzosultams. Chemical Communications, 2020, 56, 1835-1838.	4.1	25
9	Cobalt-catalyzed carboxylation of aryl and vinyl chlorides with CO₂. Chemical Communications, 2020, 56, 14416-14419.	4.1	14
10	Silver-Catalyzed Activation of Pyridotriazoles for Formal Intramolecular Carbene Insertion into Vinylic C(sp²)â€“H Bonds. Organic Letters, 2020, 22, 7255-7260.	4.6	18
11	Ni-Catalyzed Direct Carboxylation of an Unactivated Câ€“H Bond with CO₂. Organic Letters, 2020, 22, 6897-6902.	4.6	28
12	Sulfhydryl-Directed Iridium-Catalyzed Câ€“H/Diazo Coupling and Tandem Annulation of Naphthalene-1-thiols. Organic Letters, 2019, 21, 7000-7003.	4.6	33
13	Synthesis and Catalytic Properties of Cyclopalladated Complexes Bearing a Phosphaneâ€“Sulfonate Ligand. European Journal of Inorganic Chemistry, 2019, 2019, 3919-3924.	2.0	3
14	Synthesis, Structures, and Norbornene Polymerization Behavior of Imidazo[1,5-a]pyridine-sulfonate-Ligated Palladacycles. Organometallics, 2019, 38, 3786-3795.	2.3	13
15	Freeâ€Amineâ€Directed Iridiumâ€Catalyzed Câˆ’H Bond Activation and Cyclization of Naphthalenâ€1â€amines with Diazo Compounds Leading to Naphtho[1,8â€•bc]pyridines. Advanced Synthesis and Catalysis, 2019, 361, 1570-1575.	4.3	25
16	Rhodium(III)â€catalyzed Intermolecular Unactivated Secondary C(sp³)â€“H Bond Amidation Directed by 3,5â€dimethylpyrazole. Advanced Synthesis and Catalysis, 2019, 361, 1564-1569.	4.3	14
17	Palladiumâ€Catalyzed Inert Câˆ’H Bond Activation and Cyclocarbonylation of Isoquinolones with Carbon Dioxide Leading to Isoindolo[2,1â€‹b]isoquinolineâ€5,7â€Diones. Advanced Synthesis and Catalysis, 2019, 361, 3080-3085.	4.3	22
18	Hydroxylâ€Directed Rhodiumâ€Catalyzed Câˆ’H Bond Activation and Cyclization Leading to Naphtho[1,8â€‹bc]pyran Derivatives and its Analogues. Advanced Synthesis and Catalysis, 2018, 360, 2113-2118.	4.3	29

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19	Iridiumâ€Catalyzed Tandem Cyclization of Benzoylacetonitriles with Diazo Compounds Leading to Substituted Naphtho[1,8â€bc]pyrans by Sequential Câ^H Functionalization. Advanced Synthesis and Catalysis, 2018, 360, 2272-2279.	4.3	32
20	Syntheses, Structures, and Reactions of Cyclometalated Rhodium, Iridium, and Ruthenium Complexes of N-Methoxy-4-nitrobenzamide. Organometallics, 2018, 37, 476-481.	2.3	17
21	The regioselective synthesis of 2-phosphinoylindoles via Rh(<scp>iii</scp>)-catalyzed Câ€“H activation. Organic Chemistry Frontiers, 2018, 5, 88-91.	4.5	20
22	Homo- and copolymerization of norbornene with tridentate nickel complexes bearingo-aryloxide-N-heterocyclic carbene ligands. Dalton Transactions, 2018, 47, 180-189.	3.3	26
23	Cp*Co(III)-Catalyzed Regioselective Synthesis of Cyclopenta[b]carbazoles via Dual C(sp²)â€“H Functionalization of 1-(Pyridin-2-yl)-indoles with Diynes. Organic Letters, 2018, 20, 7884-7887.	4.6	26
24	Annulation of Î²-Enaminonitriles with Alkynes via Rh^{III}-Catalyzed Câ€“H Activation: Direct Access to Highly Substituted 1-Naphthylamines and Naphtho[1,8-bc]pyridines. Organic Letters, 2018, 20, 5640-5643.	4.6	28
25	Cp*Co(III)-Catalyzed Câ€“H Acylmethylation of Arenes by Employing Sulfoxonium Ylides as Carbene Precursors. Organic Letters, 2018, 20, 5981-5984.	4.6	87
26	Rh^{III}â€Catalyzed Directed Selective C7â€Hydroxylation and Acetoxylation of Indolines. ChemistrySelect, 2018, 3, 8035-8039.	1.5	12
27	Synthesis of Cinnolines and Cinnolinium Salt Derivatives by Rh(III)-Catalyzed Cascade Oxidative Coupling/Cyclization Reactions. Journal of Organic Chemistry, 2018, 83, 10845-10854.	3.2	17
28	Rhodium-catalyzed intramolecular cascade sequence for the formation of fused carbazole-annulated medium-sized rings by cleavage of C(sp²)â€“H/C(sp³)â€“H bonds. Chemical Communications, 2018, 54, 9147-9150.	4.1	24
29	Synthesis of Diruthenium Complexes Derived from Pyridyl-Substituted Indenes. Organometallics, 2017, 36, 1066-1072.	2.3	3
30	Rhodium-catalyzed C2 and C4 Câ€“H activation/annulation of 3-(1H-indol-3-yl)-3-oxopropanenitriles with internal alkynes: a facile access to substituted and fused carbazoles. Chemical Communications, 2017, 53, 6343-6346.	4.1	66
31	Comparative investigation of the reactivities between catalysts [Cp*RhCl₂]₂ and [Cp*IrCl₂]₂ in the oxidative annulation of isoquinolones with alkynes: a combined experimental and computational study. Organic Chemistry Frontiers, 2017, 4, 2327-2335.	4.5	4
32	Synthesis of 3-Arylbenzofuran-2-ylphosphines via Rhodium-Catalyzed Redox-Neutral Câ€“H Activation and Their Applications in Palladium-Catalyzed Cross-Coupling of Aryl Chlorides. Journal of Organic Chemistry, 2017, 82, 9560-9569.	3.2	28
33	Copper-Mediated Annulation of Phosphorus-Containing Arenes with Alkynes: An Approach to Phosphindolium Salts. Organic Letters, 2017, 19, 6670-6673.	4.6	31
34	Rhodium(III)â€Catalyzed Synthesis of Indole Derivatives From Pyrimidylâ€Substituted Anilines and Diazo Compounds. Advanced Synthesis and Catalysis, 2016, 358, 661-666.	4.3	53
35	Rhodium-Catalyzed Annulation of Tertiary Aniline N-Oxides to N-Alkylindoles: Regioselective Câ€“H Activation, Oxygen-Atom Transfer, and N-Dealkylative Cyclization. ACS Catalysis, 2016, 6, 3856-3862.	11.2	46
36	Synthesis of Conjugated Polycyclic Quinoliniums by Rhodium(III)-Catalyzed Multiple Câ€“H Activation and Annulation of Arylpyridiniums with Alkynes. Organic Letters, 2016, 18, 2483-2486.	4.6	86

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37	Rh(III)-Catalyzed Carbocyclization of 3-(Indolin-1-yl)-3-oxopropanenitriles with Alkynes and Alkenes through Câ€“H Activation. Organic Letters, 2016, 18, 5066-5069.	4.6	49
38	Rhodium-catalyzed Câ€“H activation of 3-(indolin-1-yl)-3-oxopropanenitriles with diazo compounds and tandem cyclization leading to hydrogenated azepino[3,2,1-hi]indoles. Chemical Communications, 2016, 52, 14117-14120.	4.1	54
39	Rh(III)-Catalyzed Oxidative Annulation Leading to Substituted Indolizines by Cleavage of C(sp²)â€“H/C(sp³)â€“H Bonds. Organic Letters, 2016, 18, 2816-2819.	4.6	66
40	Tandem Rh(III)-Catalyzed Câ€“H Amination/Annulation Reactions: Synthesis of Indoloquinoline Derivatives in Water. Organic Letters, 2016, 18, 2820-2823.	4.6	106
41	Synthesis, structures, and norbornene polymerization behavior of palladium methyl complexes bearing N-heterocyclic carbene-sulfonate ligands. Journal of Organometallic Chemistry, 2016, 804, 118-122.	1.8	15
42	Synthesis, Structures, and Norbornene Polymerization Behavior of Palladium Complexes Bearing Tridentate o-Aryloxide-N-heterocyclic Carbene Ligands. Organometallics, 2016, 35, 1392-1398.	2.3	28
43	Rh(III)-Catalyzed C7-Thiolation and Selenation of Indolines. Journal of Organic Chemistry, 2016, 81, 396-403.	3.2	113
44	Synthesis of substituted benzo[ij]imidazo[2,1,5-de]quinolizine by rhodium(<scp>iii</scp>)-catalyzed multiple Câ€“H activation and annulations. Organic and Biomolecular Chemistry, 2016, 14, 1814-1821.	2.8	38
45	Synthesis and Structures of Nâ€Heterocyclic Carbeneâ€“Sulfonate Ruthenium Complexes and Their Applications in the Ringâ€Opening Metathesis Polymerization of Norbornene. European Journal of Inorganic Chemistry, 2015, 2015, 4055-4061.	2.0	18
46	Ruthenium(II)â€Catalyzed Oxidative Annulation Reactions of Arylimidazolium Salts via Nâ€Heterocyclic Carbeneâ€Directed Cï£¿H Activation. Advanced Synthesis and Catalysis, 2015, 357, 3885-3892.	4.3	35
47	Rhodium(<scp>iii</scp>)-catalyzed cascade oxidative annulation reactions of aryl imidazolium salts with alkynes involving multiple Câ€“H bond activation. Organic and Biomolecular Chemistry, 2015, 13, 7695-7710.	2.8	54
48	o-Aryloxide-N-heterocyclic Carbenes: Efficient Synthesis of the Proligands and Their p-Cymene Ruthenium Complexes. Organometallics, 2015, 34, 2012-2017.	2.3	27
49	Synthesis, Structures, and Norbornene Polymerization Behavior of N-Heterocyclic Carbene-Sulfonate-Ligated Palladacycles. Organometallics, 2015, 34, 1969-1977.	2.3	27
50	Regioselective synthesis of multisubstituted isoquinolones and pyridones via Rh(<scp>iii</scp>)-catalyzed annulation reactions. Chemical Communications, 2015, 51, 17277-17280.	4.1	117
51	Ir(III)-Catalyzed Oxidative Coupling of NH Isoquinolones with Benzoquinone. Organic Letters, 2015, 17, 4204-4207.	4.6	61
52	Ru(<scp>ii</scp>)-catalyzed amidation reactions of 8-methylquinolines with azides via C(sp³)â€“H activation. Chemical Communications, 2015, 51, 16334-16337.	4.1	52
53	Rhodium(III)-Catalyzed Câ€“H Activation and Annulation with 1-Alkynylphosphine Sulfides: A Mild and Regioselective Access for the Synthesis of Bulky Phosphine Ligands. Journal of Organic Chemistry, 2015, 80, 12397-12409.	3.2	39
54	Synthesis, Structures, and Norbornene Polymerization Behavior of o-Aryloxide-Substituted NHC-Ligated Ïƒ, Ï€-Cycloalkenyl Palladium Complexes. Organometallics, 2014, 33, 6812-6818.	2.3	28

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55	Rhodium(III)â€Catalyzed Alkenylation Reactions of 8â€Methylquinolines with Alkynes by C(sp³)ï£¿H Activation. Angewandte Chemie - International Edition, 2014, 53, 4191-4195.	13.8	159
56	Rh(<scp>iii</scp>)-catalyzed synthesis of 1-aminoindole derivatives from 2-acetyl-1-arylhydrazines and diazo compounds in water. Chemical Communications, 2014, 50, 6130-6133.	4.1	170
57	Synthesis, structures, and norbornene polymerization behavior of C(sp³), N-chelated palladacycles bearing o-aryloxide-N-heterocyclic carbene ligands. Dalton Transactions, 2014, 43, 17177-17183.	3.3	27
58	Palladium-Catalyzed Direct Dehydrogenative Annulation of Ferrocenecarboxamides with Alkynes in Air. Organometallics, 2014, 33, 2138-2141.	2.3	36
59	Ruthenium-Catalyzed Pyrrole Synthesis via Oxidative Annulation of Enamides and Alkynes. Organic Letters, 2013, 15, 136-139.	4.6	151
60	Investigation and Comparison of the Mechanistic Steps in the [(Cp*MCl₂)₂] (Cp*=C₅Me₅; M=Rh, Ir)â€Catalyzed Oxidative Annulation of Isoquinolones with Alkynes. Chemistry - A European Journal, 2013, 19, 358-364.	3.3	72
61	Regioâ€and Stereoselective Olefination of Phenol Carbamates through Câ€“H Bond Functionalization. European Journal of Organic Chemistry, 2013, 2013, 1950-1962.	2.4	53
62	Ruthenium Ringâ€Opening Metathesis Polymerization Catalysts Bearing oâ€Aryloxideâ€Nâ€Heterocyclic Carbenes. Macromolecular Chemistry and Physics, 2013, 214, 492-498.	2.2	16
63	Synthesis, Structures, and Norbornene ROMP Behavior of o-Aryloxide-N-Heterocyclic Carbene p-Cymene Ruthenium Complexes. Organometallics, 2012, 31, 5527-5532.	2.3	37
64	Rhodium-Catalyzed Cascade Oxidative Annulation Leading to Substituted Naphtho[1,8-bc]pyrans by Sequential Cleavage of C(sp²)â€“H/C(sp³)â€“H and C(sp²)â€“H/Oâ€“H Bonds. Journal of the American Chemical Society, 2012, 134, 16163-16166.	13.7	263
65	Ruthenium-Catalyzed Oxidative Câ€“H Bond Olefination of N-Methoxybenzamides Using an Oxidizing Directing Group. Organic Letters, 2012, 14, 736-739.	4.6	271
66	Rutheniumâ€Catalyzed Oxidative Coupling/Cyclization of Isoquinolones with Alkynes through Cï£¿H/Nï£¿H Activation: Mechanism Study and Synthesis of Dibenzo[a,g]quinolizinâ€8â€one Derivatives. Chemistry - A European Journal, 2012, 18, 12873-12879.	3.3	109
67	Reactions of a Trinuclear Ruthenium Complex Derived from 3-(2-Pyridyl)indene with Diphenylacetylene and Phenylacetylene: Insertion of Alkynes into the Ruâ”C bond. Organometallics, 2011, 30, 676-683.	2.3	20
68	Synthesis, Structures, and Norbornene Polymerization Behavior of Aryloxide-N-Heterocyclic Carbene Ligated Palladacycles. Organometallics, 2011, 30, 153-159.	2.3	53
69	Synthesis, Structures, and Norbornene Polymerization Behavior of Bis(aryloxide-N-heterocyclic) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.3	46
70	Rutheniumâ€Catalyzed Isoquinolone Synthesis through Cï£¿H Activation Using an Oxidizing Directing Group. Chemistry - A European Journal, 2011, 17, 12573-12577.	3.3	291
71	Alkyne-Functionalized Zirconocene Complexes: Synthesis, Structures, and Reactivities. Organometallics, 2010, 29, 6092-6096.	2.3	9
72	Synthesis, Structures, and Norbornene Polymerization Behavior of Bis(aryloxide-N-heterocyclic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.3	52

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73	Reactions of Dihydrooctamethyl-s-indacene and 1,2,3,4,7-Pentamethylindene with Ru₃(CO)₁₂: Intramolecular sp³ Câ^'H Activation. Organometallics, 2009, 28, 4438-4442.	2.3	7
74	Preparation and characterization of three-dimensionally ordered macroporous polystyrene via atom-transfer radical polymerization. Science Bulletin, 2008, 53, 3824-3828.	9.0	0
75	Reactions of the Doubly Bridged Bis(cyclopentadienyl) Dinuclear Molybdenum Complex (Me2C)(Me2Si)[(Î·5-C5H3)Mo(CO)3]2 with a Carboxylate-Substituted Allene. European Journal of Inorganic Chemistry, 2008, 2008, 1277-1286.	2.0	6
76	Reactions of Pyridyl Side Chain Functionalized Indenes with Ru3(CO)12. European Journal of Inorganic Chemistry, 2008, 2008, 1854-1864.	2.0	13
77	Reactions of (Me2C)(Me2Si)[(Î·5-C5H3)ÂMo(CO)3]2with Phosphanylalkynes: Rearrangement of Phosphanylalkynes into Phosphido-Substituted Vinylidenyl Ligands by Cleavage of the P-C(alkyne) Bond and Formation of a P-C(alkene) Bond. European Journal of Inorganic Chemistry, 2008, 2008, 5494-5504.	2.0	11
78	A new class of o-hydroxyaryl-substituted N-heterocyclic carbene ligands and their complexes with palladium. Journal of Organometallic Chemistry, 2007, 692, 2092-2098.	1.8	48
79	High efficiency synthesis of isotactic polypropylene and linear polyethylene using a new C2-symmetric carbon-bridged zirconocene catalyst. Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 667-672.	1.0	1
80	Synthesis and structures of cycloalkylidene-bridged mixed cyclopentadienyl-indenyl tetracarbonyl diruthenium complexes. Applied Organometallic Chemistry, 2006, 20, 375-381.	3.5	3
81	Synthesis and Structures of Cycloalkylidene-Bridged Cyclopentadienyl Metallocene Catalysts: Effects of the Bridges of Ansa-Metallocene Complexes on the Catalytic Activity for Ethylene Polymerization. Chemistry - A European Journal, 2005, 11, 669-679.	3.3	21
82	Dielsâ^'Alder Reactions of Benzyne with Indenyl Iron Complexes. Organometallics, 2004, 23, 6225-6230.	2.3	19
83	Title is missing!. Transition Metal Chemistry, 2002, 27, 58-61.	1.4	7
84	Unexpected Formation of the Ruthenium Carbonyl Cluster with a Trigonal-Bipyramidal Ge2Ru3Core Accompanied by Loss of Germanium Methyl Groups. Organometallics, 2001, 20, 3829-3832.	2.3	26
85	Ethylene Polymerization with Cycloalkylidene-Bridged Cyclopentadienyl Metallocene Catalysts. Macromolecular Rapid Communications, 2001, 22, 708-709.	3.9	11
86	Ethene polymerization with mixed-ring metallocene catalysts, Cpâ€²Cpâ€³MCl2, M = Ti and Zr. Transition Metal Chemistry, 2000, 25, 568-571.	1.4	5
87	Title is missing!. Transition Metal Chemistry, 1999, 24, 610-614.	1.4	7
88	Title is missing!. Transition Metal Chemistry, 1999, 24, 722-725.	1.4	2
89	Novel Rearrangement Reactions. 5. Thermal Rearrangement of Digermyl-Bridged Biscyclopentadienyl Diiron Complexes (Me2GeGeMe2)[(Î·5-C5R4)Fe(CO)]2(Î¼-CO)2 (R = H and Me). Organometallics, 1998, 17, 5406-5410.	2.3	23
90	Novel Rearrangement Reactions. 2. Thermal Rearrangement Stereospecificity of Complex (Me2SiSiMe2)[(Î·5-IndH4)Fe(CO)]2(Î¼-CO)2. Organometallics, 1997, 16, 4620-4625.	2.3	29

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91	Ethylene polymerizations with disiloxane-bridged indenyl and cyclopentadienyl metallocene catalysts. Macromolecular Chemistry and Physics, 1997, 198, 3197-3205.	2.2	10