

Baiquan Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ruthenium-Catalyzed Isoquinolone Synthesis through C ² /H Activation Using an Oxidizing Directing Group. <i>Chemistry - A European Journal</i> , 2011, 17, 12573-12577.	3.3	291
2	Ruthenium-Catalyzed Oxidative C-H Bond Olefination of <i>N</i> -Methoxybenzamides Using an Oxidizing Directing Group. <i>Organic Letters</i> , 2012, 14, 736-739.	4.6	271
3	Rhodium-Catalyzed Cascade Oxidative Annulation Leading to Substituted Naphtho[1,8- <i>bc</i>]pyrans by Sequential Cleavage of C ² /H/C ³ /H and C ² /H/O-H Bonds. <i>Journal of the American Chemical Society</i> , 2012, 134, 16163-16166.	13.7	263
4	Rh-catalyzed synthesis of 1-aminoindole derivatives from 2-acetyl-1-arylhydrazines and diazo compounds in water. <i>Chemical Communications</i> , 2014, 50, 6130-6133.	4.1	170
5	Rhodium(III)-Catalyzed Alkenylation Reactions of 8-Methylquinolines with Alkynes by C ³ /H Activation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4191-4195.	13.8	159
6	Ruthenium-Catalyzed Pyrrole Synthesis via Oxidative Annulation of Enamides and Alkynes. <i>Organic Letters</i> , 2013, 15, 136-139.	4.6	151
7	Regioselective synthesis of multisubstituted isoquinolones and pyridones via Rh-catalyzed annulation reactions. <i>Chemical Communications</i> , 2015, 51, 17277-17280.	4.1	117
8	Rh(III)-Catalyzed C7-Thiolation and Selenation of Indolines. <i>Journal of Organic Chemistry</i> , 2016, 81, 396-403.	3.2	113
9	Ruthenium-Catalyzed Oxidative Coupling/Cyclization of Isoquinolones with Alkynes through C ² /H/N ¹ /H Activation: Mechanism Study and Synthesis of Dibenzo[<i>a</i> , <i>g</i>]quinolizinone Derivatives. <i>Chemistry - A European Journal</i> , 2012, 18, 12873-12879.	3.3	109
10	Tandem Rh(III)-Catalyzed C-H Amination/Annulation Reactions: Synthesis of Indoloquinoline Derivatives in Water. <i>Organic Letters</i> , 2016, 18, 2820-2823.	4.6	106
11	Cp*Co(III)-Catalyzed C-H Acylmethylation of Arenes by Employing Sulfoxonium Ylides as Carbene Precursors. <i>Organic Letters</i> , 2018, 20, 5981-5984.	4.6	87
12	Synthesis of Conjugated Polycyclic Quinoliums by Rhodium(III)-Catalyzed Multiple C-H Activation and Annulation of Arylpyridiniums with Alkynes. <i>Organic Letters</i> , 2016, 18, 2483-2486.	4.6	86
13	Investigation and Comparison of the Mechanistic Steps in the [(Cp*MCl ₂) ₂] (Cp* = C ₅ Me ₅ ; M = Rh, Ir)-Catalyzed Oxidative Annulation of Isoquinolones with Alkynes. <i>Chemistry - A European Journal</i> , 2013, 19, 358-364.	3.3	72
14	Rh(III)-Catalyzed Oxidative Annulation Leading to Substituted Indolizines by Cleavage of C ² /H/C ³ /H Bonds. <i>Organic Letters</i> , 2016, 18, 2816-2819.	4.6	66
15	Rhodium-catalyzed C2 and C4 C-H activation/annulation of 3-(1H-indol-3-yl)-3-oxopropanenitriles with internal alkynes: a facile access to substituted and fused carbazoles. <i>Chemical Communications</i> , 2017, 53, 6343-6346.	4.1	66
16	Ir(III)-Catalyzed Oxidative Coupling of NH Isoquinolones with Benzoquinone. <i>Organic Letters</i> , 2015, 17, 4204-4207.	4.6	61
17	Rhodium-catalyzed cascade oxidative annulation reactions of aryl imidazolium salts with alkynes involving multiple C-H bond activation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7695-7710.	2.8	54
18	Rhodium-catalyzed C-H activation of 3-(indolin-1-yl)-3-oxopropanenitriles with diazo compounds and tandem cyclization leading to hydrogenated azepino[3,2,1- <i>hi</i>]indoles. <i>Chemical Communications</i> , 2016, 52, 14117-14120.	4.1	54

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19	Synthesis, Structures, and Norbornene Polymerization Behavior of Aryloxide-N-Heterocyclic Carbene Ligated Palladacycles. <i>Organometallics</i> , 2011, 30, 153-159.	2.3	53
20	Regio- and Stereoselective Olefination of Phenol Carbamates through C-H Bond Functionalization. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1950-1962.	2.4	53
21	Rhodium(III)-Catalyzed Synthesis of Indole Derivatives From Pyrimidyl-Substituted Anilines and Diazo Compounds. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 661-666.	4.3	53
22	Synthesis, Structures, and Norbornene Polymerization Behavior of Bis(aryloxide-N-heterocyclic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	2.3	52
23	Ru(η^5 -Cp*)-catalyzed amidation reactions of 8-methylquinolines with azides via C(sp ³)-H activation. <i>Chemical Communications</i> , 2015, 51, 16334-16337.	4.1	52
24	Rh(III)-Catalyzed Carbocyclization of 3-(Indolin-1-yl)-3-oxopropanenitriles with Alkynes and Alkenes through C-H Activation. <i>Organic Letters</i> , 2016, 18, 5066-5069.	4.6	49
25	A new class of o-hydroxyaryl-substituted N-heterocyclic carbene ligands and their complexes with palladium. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2092-2098.	1.8	48
26	Synthesis, Structures, and Norbornene Polymerization Behavior of Bis(aryloxide-N-heterocyclic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	2.3	46
27	Rhodium-Catalyzed Annulation of Tertiary Aniline N-Oxides to N-Alkylindoles: Regioselective C-H Activation, Oxygen-Atom Transfer, and N-Dealkylative Cyclization. <i>ACS Catalysis</i> , 2016, 6, 3856-3862.	11.2	46
28	Rhodium(III)-Catalyzed C-H Activation and Annulation with 1-Alkynylphosphine Sulfides: A Mild and Regioselective Access for the Synthesis of Bulky Phosphine Ligands. <i>Journal of Organic Chemistry</i> , 2015, 80, 12397-12409.	3.2	39
29	Synthesis of substituted benzo[<i>ij</i>]imidazo[2,1,5- <i>de</i>]quinolizine by rhodium(η^5 -Cp*)-catalyzed multiple C-H activation and annulations. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1814-1821.	2.8	38
30	Synthesis, Structures, and Norbornene ROMP Behavior of o-Aryloxide-N-Heterocyclic Carbene p-Cymene Ruthenium Complexes. <i>Organometallics</i> , 2012, 31, 5527-5532.	2.3	37
31	Palladium-Catalyzed Direct Dehydrogenative Annulation of Ferrocenecarboxamides with Alkynes in Air. <i>Organometallics</i> , 2014, 33, 2138-2141.	2.3	36
32	Ruthenium(II)-Catalyzed Oxidative Annulation Reactions of Arylimidazolium Salts <i>via</i> N-Heterocyclic Carbene-Directed C-H Activation. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3885-3892.	4.3	35
33	Sulfhydryl-Directed Iridium-Catalyzed C-H/Diazo Coupling and Tandem Annulation of Naphthalene-1-thiols. <i>Organic Letters</i> , 2019, 21, 7000-7003.	4.6	33
34	Iridium-Catalyzed Tandem Cyclization of Benzoylacetonitriles with Diazo Compounds Leading to Substituted Naphtho[1,8- <i>bc</i>]pyrans by Sequential C-H Functionalization. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2272-2279.	4.3	32
35	Copper-Mediated Annulation of Phosphorus-Containing Arenes with Alkynes: An Approach to Phosphindolium Salts. <i>Organic Letters</i> , 2017, 19, 6670-6673.	4.6	31
36	Novel Rearrangement Reactions. 2. Thermal Rearrangement Stereospecificity of Complex (Me ₂ SiSiMe ₂)[(η^5 -IndH ₄)Fe(CO)] ₂ (η^4 -CO) ₂ . <i>Organometallics</i> , 1997, 16, 4620-4625.	2.3	29

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37	Hydroxyl-directed Rhodium-catalyzed C-H Bond Activation and Cyclization Leading to Naphtho[1,8-bc]pyran Derivatives and its Analogues. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2113-2118.	4.3	29
38	Synthesis, Structures, and Norbornene Polymerization Behavior of <i>o</i> -Aryloxy-Substituted NHC-Ligated η^5 -Cycloalkenyl Palladium Complexes. <i>Organometallics</i> , 2014, 33, 6812-6818.	2.3	28
39	Synthesis, Structures, and Norbornene Polymerization Behavior of Palladium Complexes Bearing Tridentate <i>o</i> -Aryloxy-N-heterocyclic Carbene Ligands. <i>Organometallics</i> , 2016, 35, 1392-1398.	2.3	28
40	Synthesis of 3-Arylbenzofuran-2-ylphosphines via Rhodium-Catalyzed Redox-Neutral C-H Activation and Their Applications in Palladium-Catalyzed Cross-Coupling of Aryl Chlorides. <i>Journal of Organic Chemistry</i> , 2017, 82, 9560-9569.	3.2	28
41	Annulation of $\hat{\imath}^2$ -Enaminonitriles with Alkynes via Rh ^{III} -Catalyzed C-H Activation: Direct Access to Highly Substituted 1-Naphthylamines and Naphtho[1,8-bc]pyridines. <i>Organic Letters</i> , 2018, 20, 5640-5643.	4.6	28
42	Ni-Catalyzed Direct Carboxylation of an Unactivated C-H Bond with CO ₂ . <i>Organic Letters</i> , 2020, 22, 6897-6902.	4.6	28
43	Synthesis, structures, and norbornene polymerization behavior of C(sp ³), N-chelated palladacycles bearing <i>o</i> -aryloxy-N-heterocyclic carbene ligands. <i>Dalton Transactions</i> , 2014, 43, 17177-17183.	3.3	27
44	<i>o</i> -Aryloxy-N-heterocyclic Carbenes: Efficient Synthesis of the Proligands and Their <i>p</i> -Cymene Ruthenium Complexes. <i>Organometallics</i> , 2015, 34, 2012-2017.	2.3	27
45	Synthesis, Structures, and Norbornene Polymerization Behavior of N-Heterocyclic Carbene-Sulfonate-Ligated Palladacycles. <i>Organometallics</i> , 2015, 34, 1969-1977.	2.3	27
46	Unexpected Formation of the Ruthenium Carbonyl Cluster with a Trigonal-Bipyramidal Ge ₂ Ru ₃ Core Accompanied by Loss of Germanium Methyl Groups. <i>Organometallics</i> , 2001, 20, 3829-3832.	2.3	26
47	Homo- and copolymerization of norbornene with tridentate nickel complexes bearing <i>o</i> -aryloxy-N-heterocyclic carbene ligands. <i>Dalton Transactions</i> , 2018, 47, 180-189.	3.3	26
48	Cp*Co(III)-Catalyzed Regioselective Synthesis of Cyclopenta[<i>b</i>]carbazoles via Dual C(sp ²)-H Functionalization of 1-(Pyridin-2-yl)-indoles with Diynes. <i>Organic Letters</i> , 2018, 20, 7884-7887.	4.6	26
49	Free-Amine-Directed Iridium-catalyzed C-H Bond Activation and Cyclization of Naphthalen-1-amines with Diazo Compounds Leading to Naphtho[1,8-bc]pyridines. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1570-1575.	4.3	25
50	The regioselective annulation of alkylidenecyclopropanes by Rh(η^3)-catalyzed C-H/C-C activation to access spirocyclic benzosultams. <i>Chemical Communications</i> , 2020, 56, 1835-1838.	4.1	25
51	Rhodium-catalyzed intramolecular cascade sequence for the formation of fused carbazole-annulated medium-sized rings by cleavage of C(sp ²)-H/C(sp ³)-H bonds. <i>Chemical Communications</i> , 2018, 54, 9147-9150.	4.1	24
52	Novel Rearrangement Reactions. 5. Thermal Rearrangement of Digermyl-Bridged Biscyclopentadienyl Diiron Complexes (Me ₂ GeGeMe ₂)[(η^5 -C ₅ R ₄)Fe(CO)] ₂ (η^4 -CO) ₂ (R = H and Me). <i>Organometallics</i> , 1998, 17, 5406-5410.	2.3	23
53	Palladium-catalyzed Inert C-H Bond Activation and Cyclocarbonylation of Isoquinolones with Carbon Dioxide Leading to Isoindolo[2,1-b]isoquinoline-5,7-diones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3080-3085.	4.3	22
54	Synthesis and Structures of Cycloalkylidene-Bridged Cyclopentadienyl Metallocene Catalysts: Effects of the Bridges of Ansa-Metallocene Complexes on the Catalytic Activity for Ethylene Polymerization. <i>Chemistry - A European Journal</i> , 2005, 11, 669-679.	3.3	21

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55	Reactions of a Trinuclear Ruthenium Complex Derived from 3-(2-Pyridyl)indene with Diphenylacetylene and Phenylacetylene: Insertion of Alkynes into the Ru ^{II} -C bond. <i>Organometallics</i> , 2011, 30, 676-683.	2.3	20
56	The regioselective synthesis of 2-phosphinoylindoles via Rh(III)-catalyzed C-H activation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 88-91.	4.5	20
57	Diels-Alder Reactions of Benzyne with Indenyl Iron Complexes. <i>Organometallics</i> , 2004, 23, 6225-6230.	2.3	19
58	Synthesis and Structures of N-Heterocyclic Carbene-Sulfonate Ruthenium Complexes and Their Applications in the Ring-Opening Metathesis Polymerization of Norbornene. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4055-4061.	2.0	18
59	Rh(III)-Catalyzed Synthesis of Cyclopenta[<i>b</i>]carbazoles via Cascade C-H/C-C Bond Cleavage and Cyclization Reactions: Using Amide as a Traceless Directing Group. <i>Organic Letters</i> , 2020, 22, 83-87.	4.6	18
60	Silver-Catalyzed Activation of Pyridotriazoles for Formal Intramolecular Carbene Insertion into Vinylic C(sp ²)-H Bonds. <i>Organic Letters</i> , 2020, 22, 7255-7260.	4.6	18
61	Syntheses, Structures, and Reactions of Cyclometalated Rhodium, Iridium, and Ruthenium Complexes of <i>N</i> -Methoxy-4-nitrobenzamide. <i>Organometallics</i> , 2018, 37, 476-481.	2.3	17
62	Synthesis of Cinnolines and Cinnolinium Salt Derivatives by Rh(III)-Catalyzed Cascade Oxidative Coupling/Cyclization Reactions. <i>Journal of Organic Chemistry</i> , 2018, 83, 10845-10854.	3.2	17
63	Ruthenium Ring-Opening Metathesis Polymerization Catalysts Bearing <i>o</i> -Aryloxo-N-Heterocyclic Carbenes. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 492-498.	2.2	16
64	Synthesis, structures, and norbornene polymerization behavior of palladium methyl complexes bearing N-heterocyclic carbene-sulfonate ligands. <i>Journal of Organometallic Chemistry</i> , 2016, 804, 118-122.	1.8	15
65	Rhodium(III)-catalyzed Intermolecular Unactivated Secondary C(sp ³)-H Bond Amidation Directed by 3,5-dimethylpyrazole. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1564-1569.	4.3	14
66	Cobalt-catalyzed carboxylation of aryl and vinyl chlorides with CO ₂ . <i>Chemical Communications</i> , 2020, 56, 14416-14419.	4.1	14
67	Reactions of Pyridyl Side Chain Functionalized Indenes with Ru ₃ (CO) ₁₂ . <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1854-1864.	2.0	13
68	Synthesis, Structures, and Norbornene Polymerization Behavior of Imidazo[1,5- <i>a</i>]pyridine-sulfonate-Ligated Palladacycles. <i>Organometallics</i> , 2019, 38, 3786-3795.	2.3	13
69	Rh(III)-Catalyzed Directed Selective C ⁷ -Hydroxylation and Acetoxylation of Indolines. <i>ChemistrySelect</i> , 2018, 3, 8035-8039.	1.5	12
70	Ethylene Polymerization with Cycloalkylidene-Bridged Cyclopentadienyl Metallocene Catalysts. <i>Macromolecular Rapid Communications</i> , 2001, 22, 708-709.	3.9	11
71	Reactions of (Me ₂ C)(Me ₂ Si)(<i>i</i> -5-C ₅ H ₃)Mo(CO) ₃ with Phosphanylalkynes: Rearrangement of Phosphanylalkynes into Phosphido-Substituted Vinylidene Ligands by Cleavage of the P-C(alkyne) Bond and Formation of a P-C(alkene) Bond. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 5494-5504.	2.0	11
72	Ethylene polymerizations with disiloxane-bridged indenyl and cyclopentadienyl metallocene catalysts. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 3197-3205.	2.2	10

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73	Ni-Catalyzed Direct Carboxylation of Aryl C-H Bonds in Benzamides with CO ₂ . <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 493-499.	4.3	10
74	Alkyne-Functionalized Zirconocene Complexes: Synthesis, Structures, and Reactivities. <i>Organometallics</i> , 2010, 29, 6092-6096.	2.3	9
75	Title is missing!. <i>Transition Metal Chemistry</i> , 1999, 24, 610-614.	1.4	7
76	Title is missing!. <i>Transition Metal Chemistry</i> , 2002, 27, 58-61.	1.4	7
77	Reactions of Dihydrooctamethyl-indacene and 1,2,3,4,7-Pentamethylindene with Ru ₃ (CO) ₁₂ : Intramolecular sp ³ C-H Activation. <i>Organometallics</i> , 2009, 28, 4438-4442.	2.3	7
78	Reactions of the Doubly Bridged Bis(cyclopentadienyl) Dinuclear Molybdenum Complex (Me ₂ C)(Me ₂ Si)[(1-5-C ₅ H ₃)Mo(CO) ₃] ₂ with a Carboxylate-Substituted Allene. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1277-1286.	2.0	6
79	Ethene polymerization with mixed-ring metallocene catalysts, Cp ² Cp ³ MCl ₂ , M = Ti and Zr. <i>Transition Metal Chemistry</i> , 2000, 25, 568-571.	1.4	5
80	Homo- and Copolymerization of Norbornene with Allyl Palladium and Nickel Complexes Bearing Imidazo[1,5-a]pyridine Sulfonate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4661-4668.	2.0	5
81	Rhodium-catalyzed denitrogenative gem-difunctionalization of pyridotriazoles with thioesters: formal carbene insertion into C(O)-S bonds. <i>Chemical Communications</i> , 2022, 58, 1017-1020.	4.1	5
82	Comparative investigation of the reactivities between catalysts [Cp*RhCl] ₂ and [Cp*IrCl] ₂ in the oxidative annulation of isoquinolones with alkynes: a combined experimental and computational study. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2327-2335.	4.5	4
83	Homo- and copolymerization of norbornene using tridentate IzQO palladium catalysts with dimethylaminoethyl as a side arm. <i>Polymer Chemistry</i> , 2021, 12, 4736-4747.	3.9	4
84	Synthesis and structures of cycloalkylidene-bridged mixed cyclopentadienyl-indenyl tetracarbonyl diruthenium complexes. <i>Applied Organometallic Chemistry</i> , 2006, 20, 375-381.	3.5	3
85	Synthesis of Diruthenium Complexes Derived from Pyridyl-Substituted Indenes. <i>Organometallics</i> , 2017, 36, 1066-1072.	2.3	3
86	Synthesis and Catalytic Properties of Cyclopalladated Complexes Bearing a Phosphane-Sulfonate Ligand. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3919-3924.	2.0	3
87	Access to 5-fluoroalkylated trisubstituted oxazoles via copper-catalyzed cyclization of 1-fluoroalkyl-diazoketones with amides. <i>Chemical Communications</i> , 2022, 58, 4853-4856.	4.1	3
88	Title is missing!. <i>Transition Metal Chemistry</i> , 1999, 24, 722-725.	1.4	2
89	Nickel-Catalyzed Carboxylation of Aryl C-F Bonds with CO ₂ . <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1245-1250.	4.3	2
90	High efficiency synthesis of isotactic polypropylene and linear polyethylene using a new C ₂ -symmetric carbon-bridged zirconocene catalyst. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2007, 22, 667-672.	1.0	1

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91	Preparation and characterization of three-dimensionally ordered macroporous polystyrene via atom-transfer radical polymerization. Science Bulletin, 2008, 53, 3824-3828.	9.0	0