

# Hong-Gen Wang

## 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.

92  
papers

5,425  
citations

41  
h-index

73  
g-index

127  
ext. papers

6,092  
ext. citations

7.6  
avg, IF

6.1  
L-index

#	Paper	IF	Citations
92	Hypervalent iodine-mediated difluoroalkylboron synthesis an unusual 1,2-hydrogen shift enabled by boron substitution.. <i>Chemical Science</i> , <b>2022</b> , 13, 2981-2984	9.4	1
91	A boryl-migratory semipinacol rearrangement. <i>Science China Chemistry</i> , <b>2022</b> , 65, 746	7.9	2
90	Design, synthesis, and evaluation of 9-(pyrimidin-2-yl)-9H-carbazole derivatives disrupting mitochondrial homeostasis in human lung adenocarcinoma.. <i>European Journal of Medicinal Chemistry</i> , <b>2022</b> , 232, 114200	6.8	0
89	Iodine(III)-Mediated Fluorination/Semipinacol Rearrangement Cascade of 2-Alkylidenecyclobutanol Derivatives: Access to Monofluorinated Cyclopropanecarbaldehydes. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 6800-6812	4.2	3
88	Hypervalent iodine-mediated gem-difluorination of vinyl halides enabled by exclusive 1,2-halo migration. <i>Science China Chemistry</i> , <b>2021</b> , 64, 999-1003	7.9	3
87	-Difluorination of Methylenecyclopropanes (MCPs) Featuring a Wagner-Meerwein Rearrangement: Synthesis of 2-Arylsubstituted -Difluorocyclobutanes. <i>Organic Letters</i> , <b>2021</b> , 23, 3088-3093	6.2	1
86	Synthesis of difluoromethylated benzylborons via rhodium(I)-catalyzed fluorine-retainable hydroboration of gem-difluoroalkenes. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 417-420	8.1	6
85	Photochemical Radical C-H Halogenation of Benzyl N-Methyliminodiacetyl (MIDA) Boronates: Synthesis of $\alpha$ -Functionalized Alkyl Boronates. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 3454-3458 <sup>16,14</sup> <sup>12</sup>		
84	Photochemical Radical C-H Halogenation of Benzyl N-Methyliminodiacetyl (MIDA) Boronates: Synthesis of $\alpha$ -Functionalized Alkyl Boronates. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 3496-3500	3.6	0
83	Radical Borylative Cyclization of Isocyanoarenes with N-Heterocyclic Carbene Borane: Synthesis of Borylated Aza-arenes. <i>Organic Letters</i> , <b>2021</b> , 23, 1891-1897	6.2	6
82	9-Bromo-2,3-diethylbenzo[de]chromene-7,8-dione (MSN54): A novel non-intercalative topoisomerase II catalytic inhibitor. <i>Bioorganic Chemistry</i> , <b>2021</b> , 114, 105097	5.1	2
81	Halohydroxylation of alkenyl MIDA boronates: switchable stereoselectivity induced by B(MIDA) substituent. <i>Chemical Communications</i> , <b>2020</b> , 56, 4332-4335	5.8	5
80	Discovery of a promising agent IQZ23 for the treatment of obesity and related metabolic disorders. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 192, 112172	6.8	4
79	Et <sub>2</sub> Zn-promoted $\alpha$ trans-selective hydroboration of ynamide. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 1564-1567 <sup>11</sup>		10
78	Synthesis of fluorinated amphoteric organoborons via iodofluorination of alkynyl and alkenyl MIDA boronates. <i>Chemical Communications</i> , <b>2020</b> , 56, 82-85	5.8	13
77	Manganese-mediated reductive functionalization of activated aliphatic acids and primary amines. <i>Nature Communications</i> , <b>2020</b> , 11, 5036	17.4	22
76	Design, Synthesis, and Evaluation of New Quinazolinone Derivatives that Inhibit Bloom Syndrome Protein (BLM) Helicase, Trigger DNA Damage at the Telomere Region, and Synergize with PARP Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 9752-9772	8.3	9

75	Cp <sup>*</sup> Co(III)-Catalyzed Dearomatic [3 + 2] Spiroannulation of 2-Alkenylphenols with Ynamides via C-H Activation. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 12966-12974	4.2	14
74	Synthesis of $\alpha$ -Fluorinated Imides via Direct Fluorohydroxylation of Ynamides. <i>Organic Letters</i> , <b>2019</b> , 21, 4255-4258	6.2	21
73	Regio- and stereoselective synthesis of tetra- and triarylethenes by N-methylimidodiacetyl boron-directed palladium-catalysed three-component coupling. <i>Communications Chemistry</i> , <b>2019</b> , 2,	6.3	11
72	Regio- and Stereoselective Alkenylation of Allenoates with gem-Difluoroalkenes: Facile Access to Fluorinated 1,4-Enynes Bearing an All-Carbon Quaternary Center. <i>Organic Letters</i> , <b>2019</b> , 21, 3123-3126	6.2	15
71	Unified enantioselective total syntheses of (-)-scholarisine G, (+)-melodinine E, (-)-leuconoxine and (-)-mersicarpine. <i>Chemical Communications</i> , <b>2019</b> , 55, 3544-3547	5.8	21
70	Diversity-Oriented Synthesis of $\alpha$ -Functionalized Acylborons and Borylated Heteroarenes by Nucleophilic Ring Opening of $\alpha$ -Chloroepoxyboronates. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13784-13788	16.4	22
69	Design, synthesis and biological evaluation of novel perimidine o-quinone derivatives as non-intercalative topoisomerase II catalytic inhibitors. <i>Bioorganic Chemistry</i> , <b>2019</b> , 91, 103131	5.1	16
68	Diversity-Oriented Synthesis of $\alpha$ -Functionalized Acylborons and Borylated Heteroarenes by Nucleophilic Ring Opening of $\alpha$ -Chloroepoxyboronates. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13922-13926	3.6	12
67	Radical Hydroboration and Hydrosilylation of $\alpha$ -Difluoroalkenes: Synthesis of $\alpha$ -Difluorinated Alkylborons and Alkylsilanes. <i>Organic Letters</i> , <b>2019</b> , 21, 8454-8458	6.2	27
66	Discovery of Isaindigotone Derivatives as Novel Bloom Syndrome Protein (BLM) Helicase Inhibitors That Disrupt the BLM/DNA Interactions and Regulate the Homologous Recombination Repair. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 3147-3162	8.3	16
65	Synthesis of Benzofused N-Heterocycles via Rh(III)-Catalyzed Direct Benzannulation with 1,3-Dienes. <i>ACS Catalysis</i> , <b>2019</b> , 9, 556-564	13.1	20
64	Regio- and Diastereoselective Synthesis of Cyclohexadienylborons via an Intermolecular Diels-Alder Reaction of Alkenyl MIDA Boronates with 2-Pyrones. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 4058-4064	4.8	13
63	Copper-Catalyzed Stereoselective Defluorinative Borylation and Silylation of gem-Difluoroalkenes. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 1032-1037	5.6	86
62	Synthetic Transformations of Alkenyl MIDA Boronates toward the Efficient Construction of Organoborons. <i>Synlett</i> , <b>2018</b> , 29, 1415-1420	2.2	17
61	Synthesis of Alkylated Monofluoroalkenes via Fe-Catalyzed Defluorinative Cross-Coupling of Donor Alkenes with gem-Difluoroalkenes. <i>Organic Letters</i> , <b>2018</b> , 20, 1924-1927	6.2	61
60	gem-Difluorination of Alkenyl N-methylimidodiacetyl Boronates: Synthesis of $\alpha$ - and $\beta$ -Difluorinated Alkylborons. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16782-16786	3.6	21
59	gem-Difluorination of Alkenyl N-methylimidodiacetyl Boronates: Synthesis of $\alpha$ - and $\beta$ -Difluorinated Alkylborons. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16544-16548	16.4	53
58	Decarboxylative Negishi Coupling of Redox-Active Aliphatic Esters by Cobalt Catalysis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 13280-13284	3.6	19

57	Cp <sup>*</sup> Co(iii)-Catalyzed oxidative [5+2] annulation: regioselective synthesis of 2-aminobenzoxepines via C-H/O-H functionalization of 2-vinylphenols with ynamides. <i>Chemical Communications</i> , <b>2018</b> , 54, 11562-11565 <sup>5,8,23</sup>	16.4	58
56	Decarboxylative Negishi Coupling of Redox-Active Aliphatic Esters by Cobalt Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13096-13100	16.4	57
55	Synthesis of $\text{H-CF}$ and $\text{H-CFH}$ amines via the aminofluorination of fluorinated alkenes. <i>Chemical Communications</i> , <b>2018</b> , 54, 5907-5910	5.8	35
54	Experimental and Theoretical Studies on Rhodium-Catalyzed Coupling of Benzamides with 2,2-Difluorovinyl Tosylate: Diverse Synthesis of Fluorinated Heterocycles. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3537-3545	16.4	186
53	Construction of the oxaphenalenone F skeletons of mansonone F derivatives through C-H bond functionalization and their evaluation for anti-proliferative activities. <i>RSC Advances</i> , <b>2017</b> , 7, 20919-20928 <sup>3,7</sup>	3.7	6
52	Heteroannulation enabled by a bimetallic Rh(iii)/Ag(i) relay catalysis: application in the total synthesis of aristolactam BII. <i>Chemical Communications</i> , <b>2017</b> , 53, 5665-5668	5.8	54
51	Polycyclization Enabled by Relay Catalysis: One-Pot Manganese-Catalyzed C-H Allylation and Silver-Catalyzed Povarov Reaction. <i>ChemSusChem</i> , <b>2017</b> , 10, 2360-2364	8.3	60
50	N <sup>+</sup> Bond as External Oxidant in Group 9 Cp <sup>*</sup> M(III)-Catalyzed Oxidative C-H Coupling Reactions. <i>ACS Catalysis</i> , <b>2017</b> , 7, 5078-5086	13.1	50
49	Discovery of Novel 11-Triazole Substituted Benzofuro[3,2-b]quinolone Derivatives as c-myc G-Quadruplex Specific Stabilizers via Click Chemistry. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 5407-5423 <sup>8,3</sup>	8.3	49
48	Manganese(I)-Catalyzed Regio- and Stereoselective 1,2-Diheteroarylation of Allenes: Combination of C-H Activation and Smiles Rearrangement. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10071-10075	3.6	53
47	Manganese(I)-Catalyzed Regio- and Stereoselective 1,2-Diheteroarylation of Allenes: Combination of C-H Activation and Smiles Rearrangement. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9939-9943 <sup>16,4</sup>	16.4	118
46	(Pentamethylcyclopentadienyl)cobalt(III)-Catalyzed Direct Trifluoromethylthiolation of Arenes via C-H Activation. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 1942-1946	5.6	46
45	Manganese(I)-Catalyzed Direct C-H Allylation of Arenes with Allenes. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 11173-11181	4.2	58
44	Stereoselective Direct Chlorination of Alkenyl MIDA Boronates: Divergent Synthesis of E and Z $\text{H-Chloroalkenyl}$ Boronates. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 14899-14903	3.6	18
43	Stereoselective Direct Chlorination of Alkenyl MIDA Boronates: Divergent Synthesis of E and Z $\text{H-Chloroalkenyl}$ Boronates. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 14707-14711	16.4	28
42	Three-Component Catalytic Carboxylation of Activated Allenes Enabled by Bimetallic Rh(III)/Cu(II) Catalysis. <i>Organic Letters</i> , <b>2017</b> , 19, 5868-5871	6.2	29
41	Regioselective Synthesis of 5-Aminooxazoles via Cp <sup>*</sup> Co(III)-Catalyzed Formal [3 + 2] Cycloaddition of N-(Pivaloyloxy)amides with Ynamides. <i>Organic Letters</i> , <b>2017</b> , 19, 6108-6111	6.2	23
40	Oxidative Difunctionalization of Alkenyl MIDA Boronates: A Versatile Platform for Halogenated and Trifluoromethylated $\text{H-Boryl}$ Ketones. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10223-10227	3.6	25

39	Oxidative Difunctionalization of Alkenyl MIDA Boronates: A Versatile Platform for Halogenated and Trifluoromethylated $\alpha$ -Boryl Ketones. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10069-73 <sup>16.4</sup>	55
38	Total synthesis of ( $\pm$ )-ganocins B and C. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 10362-10365	3.9 7
37	Direct Assembly of Prenylated Heteroarenes through a Cascade Minisci Reaction/Dehydration Sequence. <i>ChemistryOpen</i> , <b>2016</b> , 5, 535-539	2.3 9
36	(Pentamethylcyclopentadienyl)cobalt(III)-Catalyzed Oxidative [4+2] Annulation of N?H Imines with Alkynes: Straightforward Synthesis of Multisubstituted Isoquinolines. <i>Advanced Synthesis and Catalysis</i> , <b>2016</b> , 358, 1705-1710	5.6 57
35	High-Valent Pentamethylcyclopentadienylcobalt(III) or -iridium(III)-Catalyzed C?H Annulation with Alkynes: Synthesis of Heterocyclic Quaternary Ammonium Salts. <i>Advanced Synthesis and Catalysis</i> , <b>2016</b> , 358, 2186-2191	5.6 44
34	Cp <sup>*</sup> Rh(III) and Cp <sup>*</sup> Ir(III)-catalysed redox-neutral C-H arylation with quinone diazides: quick and facile synthesis of arylated phenols. <i>Chemical Communications</i> , <b>2015</b> , 51, 10240-3	5.8 73
33	From Indoles to Carbazoles: Tandem Cp <sup>*</sup> Rh(III)-Catalyzed C $\beta$ H Activation/Brønsted Acid-Catalyzed Cyclization Reactions. <i>ACS Catalysis</i> , <b>2015</b> , 5, 6453-6457	13.1 111
32	Palladium-catalyzed methylene C(sp <sup>3</sup> ) $\beta$ arylation of the adamantyl scaffold. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 1374-1378	5.2 13
31	Cp <sup>*</sup> Co(III)-Catalyzed Annulations of 2-Alkenylphenols with CO: Mild Access to Coumarin Derivatives. <i>Organic Letters</i> , <b>2015</b> , 17, 5404-7	6.2 119
30	Direct radical trifluoromethylthiolation and thiocyanation of aryl alkynoate esters: mild and facile synthesis of 3-trifluoromethylthiolated and 3-thiocyanated coumarins. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 1511-1515	5.2 86
29	Synthesis and Biological Evaluation of Novel Bouchardatine Derivatives as Potential Adipogenesis/Lipogenesis Inhibitors for Antiobesity Treatment. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 9395-413	8.3 16
28	Tandem Catalysis: Rh(III)-Catalyzed C $\beta$ H Allylation/Pd(II)-Catalyzed N-Allylation Toward the Synthesis of Vinyl-Substituted N-Heterocycles. <i>ACS Catalysis</i> , <b>2015</b> , 5, 210-214	13.1 86
27	Rhodium(III)-catalyzed C-H/C-C activation sequence: vinylcyclopropanes as versatile synthons in direct C-H allylation reactions. <i>Chemical Communications</i> , <b>2015</b> , 51, 77-80	5.8 90
26	Silver-Catalyzed Aerobic Oxidative Decarboxylative Coupling of Arylpropionic Acids with H-Phosphine Oxides: Mild and Facile Synthesis of $\alpha$ -Oxophosphine Oxides. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 4335-4339	3.2 33
25	Mild Mn(OAc) <sub>3</sub> -Mediated Aerobic Oxidative Decarboxylative Coupling of Arylboronic Acids and Arylpropionic Acids: Direct Access to Diaryl 1,2-Diketones. <i>Organic Letters</i> , <b>2015</b> , 17, 2972-5	6.2 47
24	Cp <sup>*</sup> Co(III)-catalyzed direct functionalization of aromatic C $\beta$ H bonds with $\alpha$ -diazo malonates. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 4093-4095	2 88
23	Biological Function and Medicinal Research Significance of G-Quadruplex Interactive Proteins. <i>Current Topics in Medicinal Chemistry</i> , <b>2015</b> , 15, 1971-87	3 10
22	Palladium-catalyzed remote C(sp <sup>3</sup> )-H arylation of 3-pinanamine. <i>Organic Letters</i> , <b>2014</b> , 16, 4288-91	6.2 60

21	Mild rhodium(III)-catalyzed C-H allylation with 4-vinyl-1,3-dioxolan-2-ones: direct and stereoselective synthesis of (E)-allylic alcohols. <i>Organic Letters</i> , <b>2014</b> , 16, 6412-5	6.2	70
20	[3]Dendralene synthesis: rhodium(III)-catalyzed alkenyl C-H activation and coupling reaction with allenyl carbinol carbonate. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12430-4	16.4	137
19	Mild rhodium(III)-catalyzed direct C-H allylation of arenes with allyl carbonates. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5386-9	16.4	252
18	Rh[III]-catalyzed C-H amidation using aroyloxycarbamates to give N-Boc protected arylamines. <i>Organic Letters</i> , <b>2013</b> , 15, 3014-7	6.2	135
17	Milde Rhodium(III)-katalysierte direkte C-H-Allylierung von Arenen mit Allylcarbonaten. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5495-5499	3.6	77
16	[3]Dendralensynthese: Rhodium(III)-katalysierte Alkenyl-C-H- Aktivierung und Kupplungsreaktion mit Allenylcarbinolcarbonat. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 12657-12661	3.6	52
15	Mild Rh(III)-catalyzed C-H activation and annulation with alkyne MIDA boronates: short, efficient synthesis of heterocyclic boronic acid derivatives. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 19592-5	16.4	340
14	Rhodium(III) und Hexabrombenzol Ein Katalysatorsystem zur gekreuzten dehydrierenden Kupplung einfacher Arene und Heterocyclen mit Arenen mit dirigierenden Gruppen. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 13175-13180	3.6	57
13	Rhodium(III) and hexabromobenzene-a catalyst system for the cross-dehydrogenative coupling of simple arenes and heterocycles with arenes bearing directing groups. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 13001-5	16.4	180
12	Chemistry. Lending handedness to the cyclopentadienyl ligand. <i>Science</i> , <b>2012</b> , 338, 479-80	33.3	9
11	Rh[III]-catalyzed direct C-H amination using N-chloroamines at room temperature. <i>Organic Letters</i> , <b>2012</b> , 14, 656-9	6.2	249
10	Milde Rhodium(III)-katalysierte C-H-Aktivierung und intermolekulare Anellierung mit Allenen. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7430-7434	3.6	109
9	Mild rhodium(III)-catalyzed C-H activation and intermolecular annulation with allenes. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7318-22	16.4	310
8	Palladium-catalyzed intramolecular C(sp <sup>2</sup> )-H amidination by isonitrile insertion provides direct access to 4-aminoquinazolines from N-arylamidines. <i>Organic Letters</i> , <b>2011</b> , 13, 4604-7	6.2	172
7	Bretstetter Acid-Promoted Sequential Hydroarylation/Hydroamidation of Arene-Tethered 1-(2-Alkynylphenyl)ureas: Direct Access to 4,4-Spiro-3,4-dihydro-2-(1H)-quinazolinones. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 2653-2658	5.6	15
6	Copper-Catalyzed Intramolecular Dehydrogenative Aminooxygengation: Direct Access to Formyl-Substituted Aromatic N-Heterocycles. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 5796-5799	3.6	90
5	Copper-catalyzed intramolecular dehydrogenative aminooxygengation: direct access to formyl-substituted aromatic N-heterocycles. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5678-81	16.4	296
4	A direct intramolecular C-H amination reaction cocatalyzed by copper(II) and iron(III) as part of an efficient route for the synthesis of pyrido[1,2-a]benzimidazoles from N-aryl-2-aminopyridines. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 13217-9	16.4	308

## LIST OF PUBLICATIONS

- 3 p-Toluenesulfonic Acid Promoted Annulation of 2-Alkynylanilines with Activated Ketones: Efficient Synthesis of 4-Alkyl-2,3-Disubstituted Quinolines. *European Journal of Organic Chemistry*, **2010**, 3.2, 818-822 31
- 2 Tetrabutylammonium chloride-triggered 6-endo cyclization of o-alkynylisocyanobenzenes: an efficient synthesis of 2-chloro-3-substituted quinolines. *Tetrahedron Letters*, **2009**, 50, 6715-6719 30 2
- 1 An efficient synthesis of 4-alkyl-2(1H)-quinazolinones and 4-alkyl-2-chloroquinazolines from 1-(2-alkynylphenyl)ureas. *Tetrahedron Letters*, **2009**, 50, 6841-6843 17 2