

Hong-Gen Wang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7012401/hong-gen-wang-publications-by-citations.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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> , 2012 , 134, 19592-5	16.4	340
91	Mild rhodium(III)-catalyzed C-H activation and intermolecular annulation with allenes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7318-22	16.4	310
90	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> , 2010 , 132, 13217-9	16.4	308
89	Copper-catalyzed intramolecular dehydrogenative aminoxygengation: direct access to formyl-substituted aromatic N-heterocycles. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5678-81	16.4	296
88	Mild rhodium(III)-catalyzed direct C-H allylation of arenes with allyl carbonates. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5386-9	16.4	252
87	Rh[III]-catalyzed direct C-H amination using N-chloroamines at room temperature. <i>Organic Letters</i> , 2012 , 14, 656-9	6.2	249
86	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> , 2017 , 139, 3537-3545	16.4	186
85	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> , 2012 , 51, 13001-5	16.4	180
84	Palladium-catalyzed intramolecular C(sp ²)-H amidination by isonitrile insertion provides direct access to 4-aminoquinazolines from N-arylamidines. <i>Organic Letters</i> , 2011 , 13, 4604-7	6.2	172
83	[3]Dendralene synthesis: rhodium(III)-catalyzed alkenyl C-H activation and coupling reaction with allenyl carbinol carbonate. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12430-4	16.4	137
82	Rh[III]-catalyzed C-H amidation using aroyloxycarbamates to give N-Boc protected arylamines. <i>Organic Letters</i> , 2013 , 15, 3014-7	6.2	135
81	Cp [*] Co(III)-Catalyzed Annulations of 2-Alkenylphenols with CO: Mild Access to Coumarin Derivatives. <i>Organic Letters</i> , 2015 , 17, 5404-7	6.2	119
80	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> , 2017 , 56, 9939-9943	16.4	118
79	From Indoles to Carbazoles: Tandem Cp [*] Rh(III)-Catalyzed C-H Activation/Brunsted Acid-Catalyzed Cyclization Reactions. <i>ACS Catalysis</i> , 2015 , 5, 6453-6457	13.1	111
78	Milde Rhodium(III)-katalysierte C-H-Aktivierung und intermolekulare Anellierung mit Allenen. <i>Angewandte Chemie</i> , 2012 , 124, 7430-7434	3.6	109
77	Rhodium(III)-catalyzed C-H/C-C activation sequence: vinylcyclopropanes as versatile synthons in direct C-H allylation reactions. <i>Chemical Communications</i> , 2015 , 51, 77-80	5.8	90
76	Copper-Catalyzed Intramolecular Dehydrogenative Aminoxygengation: Direct Access to Formyl-Substituted Aromatic N-Heterocycles. <i>Angewandte Chemie</i> , 2011 , 123, 5796-5799	3.6	90

75	Cp [*] Co(III)-catalyzed direct functionalization of aromatic C-H bonds with α -diazomalonates. <i>Tetrahedron Letters</i> , 2015 , 56, 4093-4095	2	88
74	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> , 2015 , 2, 1511-1515	5.2	86
73	Tandem Catalysis: Rh(III)-Catalyzed C-H Allylation/Pd(II)-Catalyzed N-Allylation Toward the Synthesis of Vinyl-Substituted N-Heterocycles. <i>ACS Catalysis</i> , 2015 , 5, 210-214	13.1	86
72	Copper-Catalyzed Stereoselective Defluorinative Borylation and Silylation of gem-Difluoroalkenes. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 1032-1037	5.6	86
71	Milde Rhodium(III)-katalysierte direkte C-H-Allylierung von Arenen mit Allylcarbonaten. <i>Angewandte Chemie</i> , 2013 , 125, 5495-5499	3.6	77
70	Cp [*] Rh(III) and Cp [*] Ir(III)-catalysed redox-neutral C-H arylation with quinone diazides: quick and facile synthesis of arylated phenols. <i>Chemical Communications</i> , 2015 , 51, 10240-3	5.8	73
69	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> , 2014 , 16, 6412-5	6.2	70
68	Synthesis of Alkylated Monofluoroalkenes via Fe-Catalyzed Defluorinative Cross-Coupling of Donor Alkenes with gem-Difluoroalkenes. <i>Organic Letters</i> , 2018 , 20, 1924-1927	6.2	61
67	Polycyclization Enabled by Relay Catalysis: One-Pot Manganese-Catalyzed C-H Allylation and Silver-Catalyzed Povarov Reaction. <i>ChemSusChem</i> , 2017 , 10, 2360-2364	8.3	60
66	Palladium-catalyzed remote C(sp ³)-H arylation of 3-pinanamine. <i>Organic Letters</i> , 2014 , 16, 4288-91	6.2	60
65	Manganese(I)-Catalyzed Direct C-H Allylation of Arenes with Allenes. <i>Journal of Organic Chemistry</i> , 2017 , 82, 11173-11181	4.2	58
64	(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> , 2016 , 358, 1705-1710	5.6	57
63	Rhodium(III) und Hexabrombenzol - ein Katalysatorsystem zur gekreuzten dehydrierenden Kupplung einfacher Arene und Heterocyclen mit Arenen mit dirigierenden Gruppen. <i>Angewandte Chemie</i> , 2012 , 124, 13175-13180	3.6	57
62	Decarboxylative Negishi Coupling of Redox-Active Aliphatic Esters by Cobalt Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13096-13100	16.4	57
61	Oxidative Difunctionalization of Alkenyl MIDA Boronates: A Versatile Platform for Halogenated and Trifluoromethylated α -Boryl Ketones. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10069-73 ^{16.4}	16.4	55
60	Heteroannulation enabled by a bimetallic Rh(iii)/Ag(i) relay catalysis: application in the total synthesis of aristolactam BII. <i>Chemical Communications</i> , 2017 , 53, 5665-5668	5.8	54
59	Manganese(I)-Catalyzed Regio- and Stereoselective 1,2-Diheteroarylation of Allenes: Combination of C-H Activation and Smiles Rearrangement. <i>Angewandte Chemie</i> , 2017 , 129, 10071-10075	3.6	53
58	gem-Difluorination of Alkenyl N-methyliminodiacetyl Boronates: Synthesis of α - and β -Difluorinated Alkylborons. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16544-16548	16.4	53

57	[3]Dendralensynthese: Rhodium(III)-katalysierte Alkenyl-C-H- Aktivierung und Kupplungsreaktion mit Allenylcarbinolcarbonat. <i>Angewandte Chemie</i> , 2013 , 125, 12657-12661	3.6	52
56	N ⁺ O Bond as External Oxidant in Group 9 Cp*M(III)-Catalyzed Oxidative C=H Coupling Reactions. <i>ACS Catalysis</i> , 2017 , 7, 5078-5086	13.1	50
55	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> , 2017 , 60, 5407-5423	8.3	49
54	Mild Mn(OAc) ₃ -Mediated Aerobic Oxidative Decarboxylative Coupling of Arylboronic Acids and Arylpropionic Acids: Direct Access to Diaryl 1,2-Diketones. <i>Organic Letters</i> , 2015 , 17, 2972-5	6.2	47
53	(Pentamethylcyclopentadienyl)cobalt(III)-Catalyzed Direct Trifluoromethylthiolation of Arenes via C=H Activation. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 1942-1946	5.6	46
52	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> , 2016 , 358, 2186-2191	5.6	44
51	Synthesis of α -CF and α -CFH amines via the aminofluorination of fluorinated alkenes. <i>Chemical Communications</i> , 2018 , 54, 5907-5910	5.8	35
50	Silver-Catalyzed Aerobic Oxidative Decarboxylative Coupling of Arylpropionic Acids with H-Phosphine Oxides: Mild and Facile Synthesis of α -Oxophosphine Oxides. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 4335-4339	3.2	33
49	p-Toluenesulfonic Acid Promoted Annulation of 2-Alkynylnanilines with Activated Ketones: Efficient Synthesis of 4-Alkyl-2,3-Disubstituted Quinolines. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 818-822	3.2	31
48	Tetrabutylammonium chloride-triggered 6-endo cyclization of α -alkynylisocyanobenzenes: an efficient synthesis of 2-chloro-3-substituted quinolines. <i>Tetrahedron Letters</i> , 2009 , 50, 6715-6719	2	30
47	Three-Component Catalytic Carboxylation of Activated Alkenes Enabled by Bimetallic Rh(III)/Cu(II) Catalysis. <i>Organic Letters</i> , 2017 , 19, 5868-5871	6.2	29
46	Stereoselective Direct Chlorination of Alkenyl MIDA Boronates: Divergent Synthesis of E and Z α -Chloroalkenyl Boronates. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14707-14711	16.4	28
45	Radical Hydroboration and Hydrosilylation of α -Difluoroalkenes: Synthesis of α -Difluorinated Alkylborons and Alkylsilanes. <i>Organic Letters</i> , 2019 , 21, 8454-8458	6.2	27
44	Oxidative Difunctionalization of Alkenyl MIDA Boronates: A Versatile Platform for Halogenated and Trifluoromethylated α -Boryl Ketones. <i>Angewandte Chemie</i> , 2016 , 128, 10223-10227	3.6	25
43	Regioselective Synthesis of 5-Aminooxazoles via Cp*Co(III)-Catalyzed Formal [3 + 2] Cycloaddition of N-(Pivaloyloxy)amides with Ynamides. <i>Organic Letters</i> , 2017 , 19, 6108-6111	6.2	23
42	Cp*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> , 2018 , 54, 11562-11563	6.2	22
41	Diversity-Oriented Synthesis of α -Functionalized Acylborons and Borylated Heteroarenes by Nucleophilic Ring Opening of α -Chloroepoxyboronates. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13784-13788	16.4	22
40	Manganese-mediated reductive functionalization of activated aliphatic acids and primary amines. <i>Nature Communications</i> , 2020 , 11, 5036	17.4	22

39	Synthesis of α -Fluorinated Imides via Direct Fluorohydroxylation of Ynamides. <i>Organic Letters</i> , 2019 , 21, 4255-4258	6.2	21
38	Unified enantioselective total syntheses of (-)-scholarisine G, (+)-melodinine E, (-)-leuconoxine and (-)-mersicarpine. <i>Chemical Communications</i> , 2019 , 55, 3544-3547	5.8	21
37	gem-Difluorination of Alkenyl N-methyliniminodiacetyl Boronates: Synthesis of α - and β Difluorinated Alkylborons. <i>Angewandte Chemie</i> , 2018 , 130, 16782-16786	3.6	21
36	Synthesis of Benzofused N-Heterocycles via Rh(III)-Catalyzed Direct Benzannulation with 1,3-Dienes. <i>ACS Catalysis</i> , 2019 , 9, 556-564	13.1	20
35	Decarboxylative Negishi Coupling of Redox-Active Aliphatic Esters by Cobalt Catalysis. <i>Angewandte Chemie</i> , 2018 , 130, 13280-13284	3.6	19
34	Stereoselective Direct Chlorination of Alkenyl MIDA Boronates: Divergent Synthesis of E and Z α -Chloroalkenyl Boronates. <i>Angewandte Chemie</i> , 2017 , 129, 14899-14903	3.6	18
33	Synthetic Transformations of Alkenyl MIDA Boronates toward the Efficient Construction of Organoborons. <i>Synlett</i> , 2018 , 29, 1415-1420	2.2	17
32	An efficient synthesis of 4-alkyl-2(1H)-quinazolinones and 4-alkyl-2-chloroquinazolines from 1-(2-alkynylphenyl)ureas. <i>Tetrahedron Letters</i> , 2009 , 50, 6841-6843	2	17
31	Synthesis and Biological Evaluation of Novel Bouchardatine Derivatives as Potential Adipogenesis/Lipogenesis Inhibitors for Antidiabesity Treatment. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 9395-413	8.3	16
30	Design, synthesis and biological evaluation of novel perimidine o-quinone derivatives as non-intercalative topoisomerase II catalytic inhibitors. <i>Bioorganic Chemistry</i> , 2019 , 91, 103131	5.1	16
29	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> , 2019 , 62, 3147-3162	8.3	16
28	Regio- and Stereoselective Alkenylation of Allenotes with gem-Difluoroalkenes: Facile Access to Fluorinated 1,4-Enynes Bearing an All-Carbon Quaternary Center. <i>Organic Letters</i> , 2019 , 21, 3123-3126	6.2	15
27	Brønsted 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> , 2011 , 353, 2653-2658	5.6	15
26	Cp*Co(III)-Catalyzed Dearomatic [3 + 2] Spiroannulation of 2-Alkenylphenols with Ynamides via C-H Activation. <i>Journal of Organic Chemistry</i> , 2019 , 84, 12966-12974	4.2	14
25	Palladium-catalyzed methylene C(sp ³) α arylation of the adamantyl scaffold. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 1374-1378	5.2	13
24	Synthesis of fluorinated amphoteric organoborons via iodofluorination of alkynyl and alkenyl MIDA boronates. <i>Chemical Communications</i> , 2020 , 56, 82-85	5.8	13
23	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> , 2019 , 25, 4058-4064	4.8	13
22	Diversity-Oriented Synthesis of α -Functionalized Acylborons and Borylated Heteroarenes by Nucleophilic Ring Opening of α -Chloroepoxyboronates. <i>Angewandte Chemie</i> , 2019 , 131, 13922-13926	3.6	12

21	Photochemical Radical C-H Halogenation of Benzyl N-Methyliminodiacetyl (MIDA) Boronates: Synthesis of α -Functionalized Alkyl Boronates. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3454-3458 ^{16,4} ¹²	16.4	12
20	Regio- and stereoselective synthesis of tetra- and triarylethenes by N-methylimidodiacetyl boron-directed palladium-catalysed three-component coupling. <i>Communications Chemistry</i> , 2019 , 2, 6.3	6.3	11
19	Biological Function and Medicinal Research Significance of G-Quadruplex Interactive Proteins. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 1971-87	3	10
18	Et ₂ Zn-promoted α -trans-selective hydroboration of ynamide. <i>Chinese Chemical Letters</i> , 2020 , 31, 1564-1567 ₁	10	
17	Direct Assembly of Prenylated Heteroarenes through a Cascade Minisci Reaction/Dehydration Sequence. <i>ChemistryOpen</i> , 2016 , 5, 535-539	2.3	9
16	Chemistry. Lending handedness to the cyclopentadienyl ligand. <i>Science</i> , 2012 , 338, 479-80	33.3	9
15	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> , 2020 , 63, 9752-9772	8.3	9
14	Total synthesis of (\pm)-ganocins B and C. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 10362-10365	3.9	7
13	Construction of the oxaphenalene skeletons of mansone F derivatives through C-H bond functionalization and their evaluation for anti-proliferative activities. <i>RSC Advances</i> , 2017 , 7, 20919-20928 ^{3,7}	6	
12	Synthesis of difluoromethylated benzylborons via rhodium(I)-catalyzed fluorine-retainable hydroboration of gem-difluoroalkenes. <i>Chinese Chemical Letters</i> , 2021 , 32, 417-420	8.1	6
11	Radical Borylative Cyclization of Isocyanoarenes with N-Heterocyclic Carbene Borane: Synthesis of Borylated Aza-arenes. <i>Organic Letters</i> , 2021 , 23, 1891-1897	6.2	6
10	Halohydroxylation of alkenyl MIDA boronates: switchable stereoselectivity induced by B(MIDA) substituent. <i>Chemical Communications</i> , 2020 , 56, 4332-4335	5.8	5
9	Discovery of a promising agent IQZ23 for the treatment of obesity and related metabolic disorders. <i>European Journal of Medicinal Chemistry</i> , 2020 , 192, 112172	6.8	4
8	Iodine(III)-Mediated Fluorination/Semipinacol Rearrangement Cascade of 2-Alkylidenecyclobutanol Derivatives: Access to Monofluorinated Cyclopropanecarbaldehydes. <i>Journal of Organic Chemistry</i> , 2021 , 86, 6800-6812	4.2	3
7	Hypervalent iodine-mediated gem-difluorination of vinyl halides enabled by exclusive 1,2-halo migration. <i>Science China Chemistry</i> , 2021 , 64, 999-1003	7.9	3
6	A boryl-migratory semipinacol rearrangement. <i>Science China Chemistry</i> , 2022 , 65, 746	7.9	2
5	9-Bromo-2,3-diethylbenzo[de]chromene-7,8-dione (MSN54): A novel non-intercalative topoisomerase II catalytic inhibitor. <i>Bioorganic Chemistry</i> , 2021 , 114, 105097	5.1	2
4	Hypervalent iodine-mediated α -difluoroalkylboron synthesis an unusual 1,2-hydrogen shift enabled by boron substitution.. <i>Chemical Science</i> , 2022 , 13, 2981-2984	9.4	1

LIST OF PUBLICATIONS

- | | | | |
|---|--|-----|---|
| 3 | -Difluorination of Methylenecyclopropanes (MCPs) Featuring a Wagner-Meerwein Rearrangement:
Synthesis of 2-Arylsubstituted -Difluorocyclobutanes. <i>Organic Letters</i> , 2021 , 23, 3088-3093 | 6.2 | 1 |
| 2 | Photochemical Radical C ^{II} Halogenation of Benzyl N-Methyliminodiacetyl (MIDA) Boronates:
Synthesis of β -Functionalized Alkyl Boronates. <i>Angewandte Chemie</i> , 2021 , 133, 3496-3500 | 3.6 | 0 |
| 1 | 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> , 2022 , 232, 114200 | 6.8 | 0 |