

# Guangbin Dong

## 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.

193  
papers

10,788  
citations

56  
h-index

98  
g-index

208  
ext. papers

12,617  
ext. citations

12.9  
avg, IF

7.42  
L-index

#	Paper	IF	Citations
193	Intramolecular One-Carbon Homologation of Unstrained Ketones via C-C Activation-Enabled 1,1-Insertion of Alkenes.. <i>Organic Letters</i> , <b>2022</b> ,	6.2	2
192	Rhodium-Catalyzed (4+1) Cycloaddition between Benzocyclobutenones and Styrene-Type Alkenes.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	2
191	Carbonyl 1,2-transposition through triflate-mediated $\alpha$ -amination. <i>Science</i> , <b>2021</b> , 374, 734-740	33.3	5
190	Bidirectional Total Synthesis of Phainanoid A via Strategic Use of Ketones. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 19311-19316	16.4	5
189	Olefination via Cu-Mediated Dehydroacylation of Unstrained Ketones. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 20042-20048	16.4	6
188	Transfer hydroarylation of ketones using directing-group-free, unstrained alcohols. <i>Chem</i> , <b>2021</b> , 7, 841-842	16.2	0
187	Boron insertion into alkyl ether bonds via zinc/nickel tandem catalysis. <i>Science</i> , <b>2021</b> , 372, 175-182	33.3	18
186	Synthesis of C3,C4-Disubstituted Indoles via the Palladium/Norbornene-Catalyzed $\alpha$ -Amination/-Heck Cyclization. <i>Organic Letters</i> , <b>2021</b> , 23, 3755-3760	6.2	7
185	Deconstructive Asymmetric Total Synthesis of Morphine-Family Alkaloid (-)-Thebainone A. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 13057-13064	16.4	8
184	Deconstructive Asymmetric Total Synthesis of Morphine-Family Alkaloid (+)-Thebainone A. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13167-13174	3.6	0
183	Total Synthesis of Penicibilaenes via C-C Activation-Enabled Skeleton Deconstruction and Desaturation Relay-Mediated C-H Functionalization. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 8272-8277	16.4	10
182	Synthesis of indoles, indolines, and carbazoles via palladium-catalyzed C-H activation. <i>Green Synthesis and Catalysis</i> , <b>2021</b> , 2, 216-227	9.3	14
181	Modular Entry to Functionalized Tetrahydrobenzo[e]azepines via the Palladium/Norbornene Cooperative Catalysis Enabled by a C7-Modified Norbornene. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 9991-10004	16.4	10
180	Multicomponent Polymerization for $\alpha$ -Conjugated Polymers. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2000646	4.8	4
179	Platinum-Catalyzed $\alpha$ -Desaturation of Cyclic Ketones through Direct Metal-Enolate Formation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 7956-7961	16.4	4
178	Platinum-Catalyzed $\alpha$ -Desaturation of Cyclic Ketones through Direct Metal-Enolate Formation. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 8035-8040	3.6	1
177	Intermolecular [5+2] Annulation between 1-Indanones and Internal Alkynes by Rhodium-Catalyzed C-H Activation. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 20639-20645	3.6	2

176	Intermolecular [5+2] Annulation between 1-Indanones and Internal Alkynes by Rhodium-Catalyzed C-C Activation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 20476-20482	16.4	7
175	Deacylation-aided C-H alkylative annulation through C-C cleavage of unstrained ketones. <i>Nature Catalysis</i> , <b>2021</b> , 4, 703-710	36.5	13
174	Development and Mechanistic Studies of the Iridium-Catalyzed C-H Alkenylation of Enamides with Vinyl Acetates: A Versatile Approach for Ketone Functionalization. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 21094-21102	3.6	1
173	Development and Mechanistic Studies of the Iridium-Catalyzed C-H Alkenylation of Enamides with Vinyl Acetates: A Versatile Approach for Ketone Functionalization. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 20926-20934	16.4	4
172	Orthogonal cross-coupling through intermolecular metathesis of unstrained C(aryl)-C(aryl) single bonds. <i>Nature Chemistry</i> , <b>2021</b> , 13, 836-842	17.6	4
171	Redox-Neutral Vicinal Difunctionalization of Five-Membered Heteroarenes with Dual Electrophiles. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 26184-26191	16.4	3
170	Aza-Matteson Reactions via Controlled Mono- and Double-Methylene Insertions into Nitrogen-Boron Bonds. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14422-14427	16.4	8
169	Catalytic $\alpha$ -Functionalization of Carbonyl Compounds Enabled by $\beta$ -Desaturation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 6058-6070	13.1	21
168	Catalytic Dehydrogenative Cyclization of <i>o</i> -Teraryls under pH-Neutral and Oxidant-Free Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15249-15253	16.4	11
167	Catalytic Dehydrogenative Cyclization of <i>o</i> -Teraryls under pH-Neutral and Oxidant-Free Conditions. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15361-15365	3.6	2
166	Asymmetric Synthesis of 1-Tetralones Bearing A Remote Quaternary Stereocenter through Rh-Catalyzed C-C Activation of Cyclopentanones. <i>Bulletin of the Chemical Society of Japan</i> , <b>2020</b> , 93, 1215-1217 <sup>6</sup>	5.1	6
165	Water-Accelerated Nickel-Catalyzed $\alpha$ -Crotylation of Simple Ketones with 1,3-Butadiene under pH and Redox-Neutral Conditions. <i>ACS Catalysis</i> , <b>2020</b> , 10, 4238-4243	13.1	7
164	Unexpected -Heck Reaction under the Catellani Conditions. <i>Organic Letters</i> , <b>2020</b> , 22, 3770-3774	6.2	8
163	Enantioselective Type II Cycloaddition of Alkynes via C-C Activation of Cyclobutanones: Rapid and Asymmetric Construction of [3.3.1] Bridged Bicycles. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13180-13189	16.4	19
162	Asymmetric Total Syntheses of Di- and Sesquiterpenoids by Catalytic C-C Activation of Cyclopentanones. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7922-7930	3.6	4
161	Asymmetric Total Syntheses of Di- and Sesquiterpenoids by Catalytic C-C Activation of Cyclopentanones. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7848-7856	16.4	14
160	Entry to 1,2,3,4-Tetrasubstituted Arenes through Addressing the " Constraint" in the Palladium/Norbornene Catalysis. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 3050-3059	16.4	26
159	Distal Alkenyl C-H Functionalization via the Palladium/Norbornene Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 2715-2720	16.4	31

- 158 Carbon-Carbon Bond Activation of Ketones. *Trends in Chemistry*, **2020**, 2, 183-198 14.8 55
- 157 Deconstructive Functionalization of Ketones via an LMCT-Promoted C $\alpha$  Cleavage. *Chem*, **2020**, 6, 10-11 16.2 0
- 156 Liquid-phase bottom-up synthesis of graphene nanoribbons. *Materials Chemistry Frontiers*, **2020**, 4, 29-45.8 20
- 155 Compatibility Score for Rational Electrophile Selection in Pd/NBE Cooperative Catalysis. *Chem*, **2020**, 6, 2810-2825 16.2 8
- 154 Structurally Modified Norbornenes: A Key Factor to Modulate Reaction Selectivity in the Palladium/Norbornene Cooperative Catalysis. *Journal of the American Chemical Society*, **2020**, 142, 17859-17873 16.4 29
- 153 FMPHos: Expanding the Catalytic Capacity of Small-Bite-Angle Bisphosphine Ligands in Regioselective Alkene Hydrofunctionalizations. *ACS Catalysis*, **2020**, 10, 14349-14358 13.1 8
- 152 Temporary or removable directing groups enable activation of unstrained C-C bonds. *Nature Reviews Chemistry*, **2020**, 4, 600-614 34.6 56
- 151 Intramolecular  $\beta$ -Alkenylation of Cyclohexanones via Pd-Catalyzed Desaturation-Mediated C(sp)-H/Alkyne Coupling. *Journal of the American Chemical Society*, **2020**, 142, 8962-8971 16.4 9
- 150 Copper-Catalyzed Desaturation of Lactones, Lactams, and Ketones under pH-Neutral Conditions. *Journal of the American Chemical Society*, **2019**, 141, 14889-14897 16.4 30
- 149 Kinetic Resolution via Rh-Catalyzed C-C Activation of Cyclobutanones at Room Temperature. *Journal of the American Chemical Society*, **2019**, 141, 16260-16265 16.4 41
- 148 Branched-Selective Direct  $\beta$ -Alkylation of Cyclic Ketones with Simple Alkenes. *Angewandte Chemie - International Edition*, **2019**, 58, 4366-4370 16.4 33
- 147 Pd-Catalyzed Intramolecular  $\beta$ -Allylic Alkylation of Ketones with Alkynes: Rapid and Stereodivergent Construction of [3.2.1] Bicycles. *ACS Catalysis*, **2019**, 9, 5515-5521 13.1 13
- 146 Direct  $\beta$ -Alkenylation of Ketones via Pd-Catalyzed Redox Cascade. *Organic Letters*, **2019**, 21, 3377-3381 6.2 9
- 145 Palladium/Norbornene Cooperative Catalysis. *Chemical Reviews*, **2019**, 119, 7478-7528 68.1 200
- 144 Deacylative transformations of ketones via aromatization-promoted C-C bond activation. *Nature*, **2019**, 567, 373-378 50.4 85
- 143 Redox-Neutral Functionalization of Aryl Boroxines via Palladium/Norbornene Cooperative Catalysis. *Chem*, **2019**, 5, 929-939 16.2 23
- 142 Branched-Selective Direct  $\beta$ -Alkylation of Cyclic Ketones with Simple Alkenes. *Angewandte Chemie*, **2019**, 131, 4410-4414 3.6 7
- 141 Three-Step Synthesis of a Less-Aggregated Water-Soluble Poly(p-phenylene ethynylene) with Meta Side Chains via Palladium/Norbornene Cooperative Catalysis. *Macromolecules*, **2019**, 52, 1663-1670 5.5 8

140	Two-Carbon Ring Expansion of 1-Indanones via Insertion of Ethylene into Carbon-Carbon Bonds. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 13038-13042	16.4	36
139	Sulfenamide-enabled ortho thiolation of aryl iodides via palladium/norbornene cooperative catalysis. <i>Nature Communications</i> , <b>2019</b> , 10, 3555	17.4	28
138	Ruthenium-Catalyzed Reductive Cleavage of Unstrained Aryl-Aryl Bonds: Reaction Development and Mechanistic Study. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18630-18640	16.4	16
137	Direct Vicinal Difunctionalization of Thiophenes Enabled by the Palladium/Norbornene Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18958-18963	16.4	15
136	Modular and regioselective synthesis of all-carbon tetrasubstituted olefins enabled by an alkenyl Catellani reaction. <i>Nature Chemistry</i> , <b>2019</b> , 11, 1106-1112	17.6	45
135	Palladium/Norbornene-Catalyzed Indenone Synthesis from Simple Aryl Iodides: Concise Syntheses of Pauciflorol F and Acredinone A. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2144-2148	16.4	47
134	Palladium/Norbornene-Catalyzed Indenone Synthesis from Simple Aryl Iodides: Concise Syntheses of Pauciflorol F and Acredinone A. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2166-2170	3.6	14
133	Transition-Metal-Catalyzed Ketone $\alpha$ -Alkylation and Alkenylation with Simple Alkenes and Alkynes through a Dual Activation Strategy. <i>Synlett</i> , <b>2019</b> , 30, 674-684	2.2	13
132	Catalytic activation of unstrained C(aryl)-C(aryl) bonds in 2,2'-biphenols. <i>Nature Chemistry</i> , <b>2019</b> , 11, 45-51	17.6	43
131	Divergent Total Syntheses of Enmein-Type Natural Products: (R)-Enmein, (R)-Isodocarpin, and (R)-Sculponin R. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6441-6444	3.6	13
130	Divergent Total Syntheses of Enmein-Type Natural Products: (-)-Enmein, (-)-Isodocarpin, and (-)-Sculponin R. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6333-6336	16.4	16
129	Suzuki-Miyaura Coupling of Simple Ketones via Activation of Unstrained Carbon-Carbon Bonds. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 5347-5351	16.4	55
128	Direct Palladium-Catalyzed $\alpha$ -Arylation of Lactams. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 3877-3881	3.6	3
127	Rhodium(I)-Catalyzed Carboacylation/Aromatization Cascade Initiated by Regioselective C=C Activation of Benzocyclobutenones. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2909-2913	3.6	18
126	Fused-Ring Formation by an Intramolecular "Cut-and-Sew" Reaction between Cyclobutanones and Alkynes. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2702-2706	16.4	28
125	sp C-H activation -type directing groups. <i>Chemical Science</i> , <b>2018</b> , 9, 1424-1432	9.4	158
124	Direct Palladium-Catalyzed $\alpha$ -Arylation of Lactams. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3815-3819	16.4	18
123	Direct Annulation between Aryl Iodides and Epoxides through Palladium/Norbornene Cooperative Catalysis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1713-1717	3.6	32

122	Rhodium(I)-Catalyzed Carboacylation/Aromatization Cascade Initiated by Regioselective C-C Activation of Benzocyclobutenones. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2859-2863	16.4	41
121	Direct Annulation between Aryl Iodides and Epoxides through Palladium/Norbornene Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1697-1701	16.4	87
120	Cobalt-Catalyzed Intramolecular Alkyne/Benzocyclobutenone Coupling: C-C Bond Cleavage via a Tetrahedral Dicobalt Intermediate. <i>ACS Catalysis</i> , <b>2018</b> , 8, 845-849	13.1	24
119	Fused-Ring Formation by an Intramolecular "Cut-and-Sew" Reaction between Cyclobutanones and Alkynes. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2732-2736	3.6	6
118	A modular synthetic approach for band-gap engineering of armchair graphene nanoribbons. <i>Nature Communications</i> , <b>2018</b> , 9, 1687	17.4	34
117	Direct $\alpha$ -Alkylation of Ketones and Aldehydes via Pd-Catalyzed Redox Cascade. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6057-6061	16.4	38
116	Palladium-catalyzed redox cascade for direct $\beta$ -arylation of ketones. <i>Tetrahedron</i> , <b>2018</b> , 74, 3253-3265	2.4	7
115	Palladium-Catalyzed $\alpha$ -(sp <sup>3</sup> )-H Arylation of Thiols by a Detachable Protecting/Directing Group. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12352-12355	16.4	35
114	Palladium-Catalyzed $\alpha$ -(sp <sup>3</sup> )-H Arylation of Thiols by a Detachable Protecting/Directing Group. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12532-12535	3.6	8
113	Concise Synthesis of (-)-Cycloclavine and (-)-5-epi-Cycloclavine via Asymmetric C-C Activation. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 9652-9658	16.4	52
112	Modular ipso/ortho Difunctionalization of Aryl Bromides via Palladium/Norbornene Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 8551-8562	16.4	66
111	Intramolecular Acetyl Transfer to Olefins by Catalytic C-C Bond Activation of Unstrained Ketones. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 475-479	16.4	36
110	Synthesis and applications of rhodium porphyrin complexes. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 929-981	58.5	44
109	Intramolecular Acetyl Transfer to Olefins by Catalytic C-C Bond Activation of Unstrained Ketones. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 484-488	3.6	9
108	Platinum-Catalyzed Desaturation of Lactams, Ketones, and Lactones. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16437-16441	3.6	15
107	Palladium-catalyzed asymmetric annulation between aryl iodides and racemic epoxides using a chiral norbornene cocatalyst. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 3108-3112	5.2	26
106	Platinum-Catalyzed Desaturation of Lactams, Ketones, and Lactones. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16205-16209	16.4	29
105	Modular In Situ Functionalization Strategy: Multicomponent Polymerization by Palladium/Norbornene Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8592-8596	16.4	29



104	Modular In Situ Functionalization Strategy: Multicomponent Polymerization by Palladium/Norbornene Cooperative Catalysis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8728-8732	3.6	5
103	Complementary site-selectivity in arene functionalization enabled by overcoming the ortho constraint in palladium/norbornene catalysis. <i>Nature Chemistry</i> , <b>2018</b> , 10, 866-872	17.6	83
102	Distal-Bond-Selective C=O Activation of Ring-Fused Cyclopentanones: An Efficient Access to Spiroindanones. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2416-2420	3.6	9
101	Distal-Bond-Selective C-C Activation of Ring-Fused Cyclopentanones: An Efficient Access to Spiroindanones. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2376-2380	16.4	56
100	"Cut and Sew" Transformations via Transition-Metal-Catalyzed Carbon-Carbon Bond Activation. <i>ACS Catalysis</i> , <b>2017</b> , 7, 1340-1360	13.1	266
99	Transition-Metal-Catalyzed C-H Alkylation Using Alkenes. <i>Chemical Reviews</i> , <b>2017</b> , 117, 9333-9403	68.1	669
98	Copper(I)-Catalyzed Chemoselective Coupling of Cyclopropanols with Diazoesters: Ring-Opening C=C Bond Formations. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4003-4008	3.6	7
97	Copper(I)-Catalyzed Chemoselective Coupling of Cyclopropanols with Diazoesters: Ring-Opening C-C Bond Formations. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3945-3950	16.4	47
96	Synthetic Study of Phainanoids. Highly Diastereoselective Construction of the 4,5-Spirocycle via Palladium-Catalyzed Intramolecular Alkenylation. <i>Organic Letters</i> , <b>2017</b> , 19, 3017-3020	6.2	14
95	Direct Catalytic Desaturation of Lactams Enabled by Soft Enolization. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7757-7760	16.4	56
94	Catalytic Coupling between Unactivated Aliphatic C-H Bonds and Alkynes via a Metal-Hydride Pathway. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5716-5719	16.4	45
93	Site-Selectivity Control in Organic Reactions: A Quest To Differentiate Reactivity among the Same Kind of Functional Groups. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 465-471	24.3	89
92	Branched-Selective Intermolecular Ketone $\alpha$ -Alkylation with Unactivated Alkenes via an Enamide Directing Strategy. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13664-13667	16.4	50
91	Cyclobutenones and Benzocyclobutenones: Versatile Synthons in Organic Synthesis. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 18290-18315	4.8	81
90	Nickel-Catalyzed Chemo- and Enantioselective Coupling between Cyclobutanones and Allenes: Rapid Synthesis of [3.2.2] Bicycles. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 15315-15319	3.6	17
89	Catalytic activation of carbon-carbon bonds in cyclopentanones. <i>Nature</i> , <b>2016</b> , 539, 546-550	50.4	173
88	Nickel-Catalyzed Chemo- and Enantioselective Coupling between Cyclobutanones and Allenes: Rapid Synthesis of [3.2.2] Bicycles. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 15091-15095	16.4	45
87	Efficient Bottom-Up Preparation of Graphene Nanoribbons by Mild Suzuki-Miyaura Polymerization of Simple Triaryl Monomers. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9116-20	4.8	35

86	Practical Direct $\beta$ -Arylation of Cyclopentanones by Palladium/Enamine Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2559-63	16.4	50
85	A Hydrazone-Based <i>exo</i> -Directing-Group Strategy for $\alpha$ -C-H Oxidation of Aliphatic Amines. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5299-303	16.4	73
84	Synthesis of Ynones and Recent Application in Transition-Metal-Catalyzed Reactions. <i>Synthesis</i> , <b>2016</b> , 48, 161-183	2.9	48
83	Enantioselective Rh-Catalyzed Carboacylation of C $\equiv$ N Bonds via C-C Activation of Benzocyclobutenones. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 369-74	16.4	106
82	Catalytic Cage Formation via Controlled Dimerization of Norbornadienes: An Entry to Functionalized HCTDs (Heptacyclo[6.6.0.0(2,6).0(3,13).0(4,11).0(5,9).0(10,14)]tetradecanes). <i>Organic Letters</i> , <b>2016</b> , 18, 1104-7	6.2	18
81	Efficient Benzimidazolidinone Synthesis via Rhodium-Catalyzed Double-Decarbonylative C-C Activation/Cycloaddition between Isatins and Isocyanates. <i>ACS Catalysis</i> , <b>2016</b> , 6, 969-973	13.1	46
80	Catalytic C(sp <sup>3</sup> ) $\beta$ -Arylation of Free Primary Amines with an <i>exo</i> Directing Group Generated In Situ. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9230-9233	3.6	45
79	Catalytic C(sp <sup>3</sup> ) $\gamma$ -H Arylation of Free Primary Amines with an <i>exo</i> Directing Group Generated In Situ. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9084-7	16.4	172
78	Practical Direct $\beta$ -Arylation of Cyclopentanones by Palladium/Enamine Cooperative Catalysis. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2605-2609	3.6	15
77	A Hydrazone-Based <i>exo</i> -Directing-Group Strategy for $\alpha$ -C-H Oxidation of Aliphatic Amines. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5385-5389	3.6	18
76	Synthesis of Bridged Cyclopentane Derivatives by Catalytic Decarbonylative Cycloaddition of Cyclobutanones and Olefins. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14071-14075	3.6	12
75	Reagent-Enabled <i>ortho</i> -Alkoxyacylation of Aryl Iodides via Palladium/Norbornene Catalysis. <i>Chem</i> , <b>2016</b> , 1, 581-591	16.2	61
74	Effect of Ring Functionalization on the Reaction Temperature of Benzocyclobutene Thermoset Polymers. <i>Macromolecules</i> , <b>2016</b> , 49, 3706-3715	5.5	15
73	Direct Observation of C $\beta$ -Cyclopalladation at Tertiary Positions Enabled by an <i>Exo</i> -Directing Group. <i>Organometallics</i> , <b>2016</b> , 35, 1057-1059	3.8	26
72	Synthesis of Bridged Cyclopentane Derivatives by Catalytic Decarbonylative Cycloaddition of Cyclobutanones and Olefins. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13867-13871	16.4	35
71	Palladium-catalyzed direct $\beta$ -arylation of ketones with diaryliodonium salts: a stoichiometric heavy metal-free and user-friendly approach. <i>Chemical Science</i> , <b>2015</b> , 6, 5491-5498	9.4	53
70	Rh-catalyzed Reagent-Free Ring Expansion of Cyclobutenones and Benzocyclobutenones. <i>Chemical Science</i> , <b>2015</b> , 6, 5440-5445	9.4	50
69	Transition metal-catalyzed ketone-directed or mediated C-H functionalization. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 7764-86	58.5	404



68	Simple Amine-Directed Meta-Selective C-H Arylation via Pd/Norbornene Catalysis. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5887-90	16.4	315
67	Catalytic Ortho-Acetoxylation of Masked Benzyl Alcohols via an Exo-Directing Mode. <i>Organic Letters</i> , <b>2015</b> , 17, 2696-9	6.2	52
66	Rh-Catalyzed Decarbonylation of Conjugated Ynones via Carbon-Alkyne Bond Activation: Reaction Scope and Mechanistic Exploration via DFT Calculations. <i>Chemical Science</i> , <b>2015</b> , 6, 3201-3210	9.4	56
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60	Catalytic Intramolecular Ketone Alkylation with Olefins by Dual Activation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15294-8	16.4	47
59	Ortho C-H Acylation of Aryl Iodides by Palladium/Norbornene Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12664-8	16.4	126
58	Catalytic Intramolecular Ketone Alkylation with Olefins by Dual Activation. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15509-15513	3.6	17
57	Computational Study of Rh-Catalyzed Carboacylation of Olefins: Ligand-Promoted Rhodacycle Isomerization Enables Regioselective C-C Bond Functionalization of Benzocyclobutenones. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8274-83	16.4	81
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50	Direct activation of relatively unstrained carbon-carbon bonds in homogeneous systems. <i>Organic Chemistry Frontiers</i> , <b>2014</b> , 1, 567-581	5.2	210
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3	Ni(0)-Catalyzed Allylic Alkylation of Regular Ketones with 1,3-Dienes under pH and Redox-neutral Conditions		2
2	Chloro(1,5-Cyclooctadiene)Rhodium(I) Dimer		1-13
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