

Jin-Quan Yu

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#	Paper	IF	Citations
3 ²⁶	Palladium(II)-catalyzed C-H activation/C-C cross-coupling reactions: versatility and practicality. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5094-115	16.4	3557
3 ²⁵	Weak coordination as a powerful means for developing broadly useful C-H functionalization reactions. <i>Accounts of Chemical Research</i> , 2012 , 45, 788-802	24.3	2291
3 ²⁴	Transition metal-catalyzed C-H activation reactions: diastereoselectivity and enantioselectivity. <i>Chemical Society Reviews</i> , 2009 , 38, 3242-72	58.5	1322
3 ²³	Palladium-Catalyzed Transformations of Alkyl C-H Bonds. <i>Chemical Reviews</i> , 2017 , 117, 8754-8786	68.1	1240
3 ²²	Cu(II)-catalyzed functionalizations of aryl C-H bonds using O ₂ as an oxidant. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6790-1	16.4	1204
3 ²¹	Palladium(II)-katalysierte C-H-Aktivierung/C-C-Kreuzkupplung: Vielseitigkeit und Anwendbarkeit. <i>Angewandte Chemie</i> , 2009 , 121, 5196-5217	3.6	1115
3 ²⁰	Activation of remote meta-C-H bonds assisted by an end-on template. <i>Nature</i> , 2012 , 486, 518-22	50.4	663
3 ¹⁹	Palladium-catalyzed methylation and arylation of sp ² and sp ³ C-H bonds in simple carboxylic acids. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3510-1	16.4	660
3 ¹⁸	Ligand-enabled reactivity and selectivity in a synthetically versatile aryl C-H olefination. <i>Science</i> , 2010 , 327, 315-9	33.3	646
3 ¹⁷	Pd(II)-catalyzed enantioselective activation of C(sp ²)-H and C(sp ³)-H bonds using monoprotected amino acids as chiral ligands. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4882-6	16.4	528
3 ¹⁶	Palladium-catalyzed alkylation of sp ² and sp ³ C-H bonds with methylboroxine and alkylboronic acids: two distinct C-H activation pathways. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12634-5	16.4	475
3 ¹⁵	Pd(II)-catalyzed olefination of electron-deficient arenes using 2,6-dialkylpyridine ligands. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5072-4	16.4	472
3 ¹⁴	A Simple and Versatile Amide Directing Group for C-H Functionalizations. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10578-99	16.4	458
3 ¹³	Organic chemistry. Functionalization of C(sp ³)-H bonds using a transient directing group. <i>Science</i> , 2016 , 351, 252-6	33.3	453
3 ¹²	Pd(II)-catalyzed ortho-trifluoromethylation of arenes using TFA as a promoter. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3648-9	16.4	452
3 ¹¹	Synthesis of beta-, gamma-, and delta-lactams via Pd(II)-catalyzed C-H activation reactions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14058-9	16.4	438
3 ¹⁰	Pd(II)-catalyzed cross-coupling of sp ³ C-H Bonds with sp ² and sp ³ boronic acids using air as the oxidant. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7190-1	16.4	432

309	Palladium-catalyzed asymmetric iodination of unactivated C-H bonds under mild conditions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2112-5	16.4	429
308	Ligand-enabled meta-C-H activation using a transient mediator. <i>Nature</i> , 2015 , 519, 334-8	50.4	419
307	Developing ligands for palladium(II)-catalyzed C-H functionalization: intimate dialogue between ligand and substrate. <i>Journal of Organic Chemistry</i> , 2013 , 78, 8927-55	4.2	419
306	Enantioselective C(sp)-H bond activation by chiral transition metal catalysts. <i>Science</i> , 2018 , 359,	33.3	402
305	Conformation-induced remote meta-C-H activation of amines. <i>Nature</i> , 2014 , 507, 215-20	50.4	402
304	Ligand-controlled C(sp)-H arylation and olefination in synthesis of unnatural chiral β -amino acids. <i>Science</i> , 2014 , 343, 1216-20	33.3	397
303	Synthesis of indolines and tetrahydroisoquinolines from aryethylamines by Pd(II)-catalyzed C-H activation reactions. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6452-5	16.4	393
302	Ligand-accelerated C-H activation reactions: evidence for a switch of mechanism. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14137-51	16.4	390
301	Pd(II)-catalyzed amination of C-H bonds using single-electron or two-electron oxidants. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10806-7	16.4	388
300	Pd(II)-catalyzed enantioselective C-H olefination of diphenylacetic acids. <i>Journal of the American Chemical Society</i> , 2010 , 132, 460-1	16.4	378
299	Palladium-catalyzed alkylation of aryl C-H bonds with sp ³ organotin reagents using benzoquinone as a crucial promoter. <i>Journal of the American Chemical Society</i> , 2006 , 128, 78-9	16.4	375
298	Pd-catalyzed stereoselective oxidation of methyl groups by inexpensive oxidants under mild conditions: a dual role for carboxylic anhydrides in catalytic C-H bond oxidation. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7420-4	16.4	373
297	Divergent C-H functionalizations directed by sulfonamide pharmacophores: late-stage diversification as a tool for drug discovery. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7222-8	16.4	370
296	Pd(II)-catalyzed hydroxylation of arenes with 1 atm of O ₂ or air. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14654-5	16.4	368
295	Pd-catalyzed intermolecular C-H amination with alkylamines. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7652-5	16.4	362
294	Versatile Pd(OTf) ₂ x 2 H ₂ O-catalyzed ortho-fluorination using NMP as a promoter. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7520-1	16.4	350
293	Pd(II)-catalyzed enantioselective C-H activation of cyclopropanes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19598-601	16.4	338
292	Synthesis of 1,2- and 1,3-dicarboxylic acids via Pd(II)-catalyzed carboxylation of aryl and vinyl C-H bonds. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14082-3	16.4	338

- 291 Bystanding F⁺ oxidants enable selective reductive elimination from high-valent metal centers in catalysis. *Angewandte Chemie - International Edition*, **2011**, 50, 1478-91 16.4 330
- 290 Pd(II)-catalyzed olefination of sp³ C-H bonds. *Journal of the American Chemical Society*, **2010**, 132, 3680-16.4 327
- 289 Pd(II)-catalyzed hydroxyl-directed C-H olefination enabled by monoprotected amino acid ligands. *Journal of the American Chemical Society*, **2010**, 132, 5916-21 16.4 318
- 288 Pd(II)-catalyzed hydroxyl-directed C-H activation/C-O cyclization: expedient construction of dihydrobenzofurans. *Journal of the American Chemical Society*, **2010**, 132, 12203-5 16.4 300
- 287 Pd(II)-catalyzed monoselective ortho halogenation of C-H bonds assisted by counter cations: a complementary method to directed ortho lithiation. *Angewandte Chemie - International Edition*, **2008**, 47, 5215-9 16.4 296
- 286 Sigma-chelation-directed C-H functionalizations using Pd(II) and Cu(II) catalysts: regioselectivity, stereoselectivity and catalytic turnover. *Organic and Biomolecular Chemistry*, **2006**, 4, 4041-7 3.9 294
- 285 Cu(II)-mediated C-H amidation and amination of arenes: exceptional compatibility with heterocycles. *Journal of the American Chemical Society*, **2014**, 136, 3354-7 16.4 288
- 284 Versatile Pd(II)-catalyzed C-H activation/aryl-aryl coupling of benzoic and phenyl acetic acids. *Journal of the American Chemical Society*, **2008**, 130, 17676-7 16.4 288
- 283 Evidence that protons can be the active catalysts in Lewis acid mediated hetero-Michael addition reactions. *Chemistry - A European Journal*, **2004**, 10, 484-93 4.8 288
- 282 Pd(II)-catalyzed enantioselective C-H activation/C-O bond formation: synthesis of chiral benzofuranones. *Journal of the American Chemical Society*, **2013**, 135, 1236-9 16.4 284
- 281 Pd(II)-catalyzed para-selective C-H arylation of monosubstituted arenes. *Journal of the American Chemical Society*, **2011**, 133, 13864-7 16.4 282
- 280 Pd(0)/PR₃-catalyzed intermolecular arylation of sp³ C-H bonds. *Journal of the American Chemical Society*, **2009**, 131, 9886-7 16.4 282
- 279 Synthetic applications of Pd(II)-catalyzed C-H carboxylation and mechanistic insights: expedient routes to anthranilic acids, oxazolinones, and quinazolinones. *Journal of the American Chemical Society*, **2010**, 132, 686-93 16.4 274
- 278 Palladium-catalyzed meta-selective C-H bond activation with a nitrile-containing template: computational study on mechanism and origins of selectivity. *Journal of the American Chemical Society*, **2014**, 136, 344-55 16.4 270
- 277 Ligand-promoted C-3 selective C-H olefination of pyridines with Pd catalysts. *Journal of the American Chemical Society*, **2011**, 133, 6964-7 16.4 268
- 276 Pd(II)-catalyzed ortho trifluoromethylation of arenes and insights into the coordination mode of acidic amide directing groups. *Journal of the American Chemical Society*, **2012**, 134, 11948-51 16.4 262
- 275 Pd(II)-catalyzed ortho- or meta-C-H olefination of phenol derivatives. *Journal of the American Chemical Society*, **2013**, 135, 7567-71 16.4 256
- 274 Ligand-accelerated enantioselective methylene C(sp³)-H bond activation. *Science*, **2016**, 353, 1023-1027 33.3 248

273	Ligand-Enabled Meta-C-H Alkylation and Arylation Using a Modified Norbornene. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11574-7	16.4	245
272	Pd(II)-catalyzed meta-C-H olefination, arylation, and acetoxylation of indolines using a U-shaped template. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10807-13	16.4	245
271	Pd(II)-catalyzed phosphorylation of aryl C-H bonds. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9322-5	16.4	245
270	Pd(II)-catalyzed carbonylation of C(sp ³)-H bonds: a new entry to 1,4-dicarbonyl compounds. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17378-80	16.4	242
269	Overcoming the limitations of directed C-H functionalizations of heterocycles. <i>Nature</i> , 2014 , 515, 389-93	50.4	240
268	Palladium(II)-catalyzed ortho alkylation of benzoic acids with alkyl halides. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6097-100	16.4	240
267	Role of N-acyl amino acid ligands in Pd(II)-catalyzed remote C-H activation of tethered arenes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 894-7	16.4	233
266	Cross-coupling of remote meta-C-H bonds directed by a U-shaped template. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18056-9	16.4	222
265	Enantioselective amine β -functionalization via palladium-catalysed C-H arylation of thioamides. <i>Nature Chemistry</i> , 2017 , 9, 140-144	17.6	218
264	Constructing multiply substituted arenes using sequential palladium(II)-catalyzed C-H olefination. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6169-73	16.4	210
263	Pd ⁰ /PR ₃ -catalyzed arylation of nicotinic and isonicotinic acid derivatives. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1275-7	16.4	209
262	Ligand-enabled methylene C(sp ³)-H bond activation with a Pd(II) catalyst. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18570-2	16.4	208
261	Palladium(II)-catalyzed enantioselective C(sp ³)-H activation using a chiral hydroxamic acid ligand. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8138-42	16.4	206
260	Ligand-promoted C3-selective arylation of pyridines with Pd catalysts: gram-scale synthesis of (β)-preclamol. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19090-3	16.4	202
259	Site-selective C(sp ³)-H functionalization of di-, tri-, and tetrapeptides at the N-terminus. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16940-6	16.4	199
258	Cu(II)-mediated ortho C-H alkynylation of (hetero)arenes with terminal alkynes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11590-3	16.4	199
257	Pd(II)-Catalyzed Enantioselective Activation of C(sp ²)-H and C(sp ³)-H Bonds Using Monoprotected Amino Acids as Chiral Ligands. <i>Angewandte Chemie</i> , 2008 , 120, 4960-4964	3.6	198
256	Ligand-accelerated non-directed C-H functionalization of arenes. <i>Nature</i> , 2017 , 551, 489-493	50.4	197

- 255 Palladium(II)-catalyzed highly enantioselective C-H arylation of cyclopropylmethylamines. *Journal of the American Chemical Society*, **2015**, 137, 2042-6 16.4 194
- 254 Ligand-enabled cross-coupling of C(sp³)-H bonds with arylboron reagents via Pd(II)/Pd(0) catalysis. *Nature Chemistry*, **2014**, 6, 146-50 17.6 191
- 253 Ligand-enabled β -C-H olefination and carbonylation: construction of β quaternary carbon centers. *Journal of the American Chemical Society*, **2014**, 136, 5267-70 16.4 191
- 252 Pd-catalyzed enantioselective C-H iodination: asymmetric synthesis of chiral diarylmethylamines. *Journal of the American Chemical Society*, **2013**, 135, 16344-7 16.4 190
- 251 Diverse ortho-C(sp)-H Functionalization of Benzaldehydes Using Transient Directing Groups. *Journal of the American Chemical Society*, **2017**, 139, 888-896 16.4 186
- 250 Highly convergent total synthesis of (+)-lithospermic acid via a late-stage intermolecular C-H olefination. *Journal of the American Chemical Society*, **2011**, 133, 5767-9 16.4 183
- 249 Palladium(II)-catalyzed selective monofluorination of benzoic acids using a practical auxiliary: a weak-coordination approach. *Angewandte Chemie - International Edition*, **2011**, 50, 9081-4 16.4 181
- 248 Remote site-selective C-H activation directed by a catalytic bifunctional template. *Nature*, **2017**, 543, 538-542 50.4 177
- 247 Hydroxyl-directed C-H carbonylation enabled by mono-N-protected amino acid ligands: An expedient route to 1-isochromanones. *Chemical Science*, **2011**, 2, 967 9.4 176
- 246 Pd-Catalyzed β -C(sp)-H Arylation of Free Amines Using a Transient Directing Group. *Journal of the American Chemical Society*, **2016**, 138, 14554-14557 16.4 174
- 245 Palladium-catalyzed oxidation of Boc-protected N-methylamines with IOAc as the oxidant: a Boc-directed sp³ C-H bond activation. *Organic Letters*, **2006**, 8, 3387-90 6.2 171
- 244 Palladium(0)-catalyzed alkynylation of C(sp³)-H bonds. *Journal of the American Chemical Society*, **2013**, 135, 3387-90 16.4 169
- 243 Ligand-Promoted Meta-C-H Arylation of Anilines, Phenols, and Heterocycles. *Journal of the American Chemical Society*, **2016**, 138, 9269-76 16.4 167
- 242 Room-temperature enantioselective C-H iodination via kinetic resolution. *Science*, **2014**, 346, 451-5 33.3 164
- 241 Pd-catalyzed oxidative ortho-C-H borylation of arenes. *Journal of the American Chemical Society*, **2012**, 134, 134-7 16.4 156
- 240 Ligand-accelerated cross-coupling of C(sp²)-H bonds with arylboron reagents. *Journal of the American Chemical Society*, **2011**, 133, 18183-93 16.4 155
- 239 Experimental-Computational Synergy for Selective Pd(II)-Catalyzed C-H Activation of Aryl and Alkyl Groups. *Accounts of Chemical Research*, **2017**, 50, 2853-2860 24.3 150
- 238 From Pd(OAc) to Chiral Catalysts: The Discovery and Development of Bifunctional Mono-N-Protected Amino Acid Ligands for Diverse C-H Functionalization Reactions. *Accounts of Chemical Research*, **2020**, 53, 833-851 24.3 149

237	Palladium-catalyzed ortho-selective C-H deuteration of arenes: evidence for superior reactivity of weakly coordinated palladacycles. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 734-7	16.4	148
236	Mechanistic rationalization of unusual kinetics in Pd-catalyzed C-H olefination. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4600-6	16.4	146
235	Key mechanistic features of enantioselective C-H bond activation reactions catalyzed by [(chiral mono-N-protected amino acid)-Pd(II)] complexes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1690-8	16.4	145
234	C-H functionalization logic enables synthesis of (+)-hongoquercin A and related compounds. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7317-20	16.4	145
233	Pd(II)-catalyzed C-H iodination using molecular I ₂ as the sole oxidant. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10326-9	16.4	144
232	Heterocycle Formation Palladium-Catalyzed C-H Functionalization. <i>Synthesis</i> , 2012 , 44, 1778-1791	2.9	141
231	A mild, catalytic, and highly selective method for the oxidation of alpha,beta-enones to 1,4-enediones. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3232-3	16.4	141
230	Formation of β -chiral centers by asymmetric α -C(sp ³)-H arylation, alkenylation, and alkynylation. <i>Science</i> , 2017 , 355, 499-503	33.3	140
229	Controlling Pd(IV) reductive elimination pathways enables Pd(II)-catalysed enantioselective C(sp)-H fluorination. <i>Nature Chemistry</i> , 2018 , 10, 755-762	17.6	140
228	Exceedingly fast copper(II)-promoted ortho C-H trifluoromethylation of arenes using TMSCF ₃ . <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10439-42	16.4	140
227	Enantioselective remote meta-C-H arylation and alkylation via a chiral transient mediator. <i>Nature</i> , 2018 , 558, 581-585	50.4	139
226	Ligand-promoted alkylation of C(sp ³)-H and C(sp ²)-H bonds. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13194-7	16.4	138
225	Ligand-accelerated ortho-C-H alkylation of arylcarboxylic acids using alkyl boron reagents. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17508-13	16.4	137
224	Expedient drug synthesis and diversification via ortho-C-H iodination using recyclable PdI ₂ as the precatalyst. <i>Organic Letters</i> , 2010 , 12, 3140-3	6.2	136
223	Palladium-Catalyzed Asymmetric Iodination of Unactivated C-H Bonds under Mild Conditions. <i>Angewandte Chemie</i> , 2005 , 117, 2150-2153	3.6	136
222	Cross-coupling of C(sp)-H Bonds with Organometallic Reagents via Pd(II)/Pd(0) Catalysis**. <i>Israel Journal of Chemistry</i> , 2010 , 50, 605-616	3.4	134
221	Ligand-Promoted meta-C-H Amination and Alkynylation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14092-14099	16.4	133
220	Pd(II)-Catalyzed Enantioselective C(sp)-H Borylation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3344-3347	16.4	131

- 219 Synthesis of Indolines and Tetrahydroisoquinolines from Arylethylamines by PdII-Catalyzed C-H Activation Reactions. *Angewandte Chemie*, **2008**, 120, 6552-6555 3.6 130
- 218 Ligand-enabled α -C-H arylation of β -amino acids using a simple and practical auxiliary. *Journal of the American Chemical Society*, **2015**, 137, 3338-51 16.4 129
- 217 Ether-directed ortho-C-H olefination with a palladium(II)/monoprotected amino acid catalyst. *Angewandte Chemie - International Edition*, **2013**, 52, 1245-7 16.4 128
- 216 Remote Meta-C-H Activation Using a Pyridine-Based Template: Achieving Site-Selectivity via the Recognition of Distance and Geometry. *ACS Central Science*, **2015**, 1, 394-9 16.8 127
- 215 Sequential C-H functionalization reactions for the enantioselective synthesis of highly functionalized 2,3-dihydrobenzofurans. *Journal of the American Chemical Society*, **2013**, 135, 6774-7 16.4 126
- 214 Pd(II)-catalyzed o-C-H acetoxylation of phenylalanine and ephedrine derivatives with MeCOO(t)Bu/Ac₂O. *Organic Letters*, **2010**, 12, 2511-3 6.2 126
- 213 Eine einfache und vielseitige dirigierende Amidgruppe zur Funktionalisierung von C-H-Bindungen. *Angewandte Chemie*, **2016**, 128, 10734-10756 3.6 123
- 212 β -Arylation of Saturated Azacycles and N-Methylamines via Palladium(II)-Catalyzed C(sp³)-H Coupling. *Journal of the American Chemical Society*, **2015**, 137, 11876-9 16.4 121
- 211 Ru(II)-catalyzed ortho-C-H amination of arenes and heteroarenes at room temperature. *Organic Letters*, **2013**, 15, 5286-9 6.2 121
- 210 Ligand-Enabled Stereoselective α (sp³)-H Fluorination: Synthesis of Unnatural Enantiopure anti- β -Fluoro- β -amino Acids. *Journal of the American Chemical Society*, **2015**, 137, 7067-70 16.4 118
- 209 Dehydrogenation of Inert Alkyl Groups via Remote C-H Activation: Converting a Propyl Group into an Allylic Complex. *Organometallics*, **2008**, 27, 1667-1670 3.8 116
- 208 Diverse pathways for the palladium(II)-mediated oxidation of olefins by tert-butylhydroperoxide. *Organic Letters*, **2002**, 4, 2727-30 6.2 116
- 207 Recyclable polyurea-microencapsulated Pd(0) nanoparticles: an efficient catalyst for hydrogenolysis of epoxides. *Organic Letters*, **2003**, 5, 4665-8 6.2 115
- 206 Pd(II)-catalyzed C-H functionalizations directed by distal weakly coordinating functional groups. *Journal of the American Chemical Society*, **2015**, 137, 4391-7 16.4 114
- 205 Synthesis of indolines via Pd(II)-catalyzed amination of C-H bonds using PhI(OAc)₂ as the bystander oxidant. *Organic Letters*, **2013**, 15, 3058-61 6.2 109
- 204 Palladium(II)-Catalyzed Site-Selective C(sp³)-H Alkynylation of Oligopeptides: A Linchpin Approach for Oligopeptide-Drug Conjugation. *Angewandte Chemie - International Edition*, **2017**, 56, 10924-10927 16.4 107
- 203 Understanding reactivity and stereoselectivity in palladium-catalyzed diastereoselective sp³ C-H bond activation: intermediate characterization and computational studies. *Journal of the American Chemical Society*, **2012**, 134, 14118-26 16.4 106
- 202 Ligand-Enabled β -C(sp³)-H Olefination of Amines: En Route to Pyrrolidines. *Journal of the American Chemical Society*, **2016**, 138, 2055-9 16.4 105

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200	Overcoming the Limitations of η^5 - and η^6 -H Arylation of Amines through Ligand Development. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17884-17894	16.4	105
199	Remote meta-C-H olefination of phenylacetic acids directed by a versatile U-shaped template. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 888-91	16.4	104
198	Pd-Catalyzed Stereoselective Oxidation of Methyl Groups by Inexpensive Oxidants under Mild Conditions: A Dual Role For Carboxylic Anhydrides in Catalytic C-H Bond Oxidation. <i>Angewandte Chemie</i> , 2005 , 117, 7586-7590	3.6	104
197	Pd(II)-Catalyzed Enantioselective C(sp) ³ -H Arylation of Free Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6545-6549	16.4	103
196	Rh(III)-Catalyzed meta-C-H Olefination Directed by a Nitrile Template. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2200-2203	16.4	102
195	Practical Pd(II)-Catalyzed C-H Alkylation with Epoxides: One-Step Syntheses of 3,4-Dihydroisocoumarins. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10950-3	16.4	101
194	Passive F ⁺ -Oxidationsmittel ermöglichen die selektive reduktive Eliminierung hochvalenter Metallzentren in der Katalyse. <i>Angewandte Chemie</i> , 2011 , 123, 1514-1528	3.6	99
193	Palladium(0)/PAr ₃ -Catalyzed Intermolecular Amination of C(sp ³) ³ -H Bonds: Synthesis of β -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6545-9	16.4	98
192	Ligand-enabled triple C-H activation reactions: one-pot synthesis of diverse 4-aryl-2-quinolinones from propionamides. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6692-5	16.4	96
191	η^5 / η^6 -C(sp ³)-H Functionalization through Directed Radical H-Abstraction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5871-4	16.4	94
190	Rh(III)-catalyzed C-H olefination of η^5 -pentafluoroaryl benzamides using air as the sole oxidant. <i>Chemical Science</i> , 2015 , 6, 1923-1927	9.4	92
189	Ligand-enabled cross-coupling of C(sp ³)-H bonds with arylsilanes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4618-21	16.4	91
188	Ligand-Promoted Borylation of C(sp ³)-H Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 785-9	16.4	91
187	Ligand-Enabled η^5 -C-H Arylation of β -Amino Acids Without Installing Exogenous Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1506-1509	16.4	90
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