

# Jin-Quan Yu

## 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.

326  
papers

48,567  
citations

118  
h-index

216  
g-index

455  
ext. papers

53,597  
ext. citations

13.6  
avg. IF

8.21  
L-index

#	Paper	IF	Citations
326	Unconventional mechanism and selectivity of the Pd-catalyzed C-H bond lactonization in aromatic carboxylic acid.. <i>Nature Communications</i> , <b>2022</b> , 13, 315	17.4	3
325	Pd-Catalyzed Site-selective $\beta$ and $\gamma$ -C(sp)-H Arylation of Primary Aldehydes Controlled by Transient Directing Groups.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	7
324	Pd(II)-Catalyzed Synthesis of Benzocyclobutenes by $\beta$ Methylene-Selective C(sp)-H Arylation with a Transient Directing Group. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 20035-20041	16.4	6
323	Ligand-controlled divergent dehydrogenative reactions of carboxylic acids via C-H activation. <i>Science</i> , <b>2021</b> , 374, 1281-1285	33.3	14
322	A directive Ni catalyst overrides conventional site selectivity in pyridine C-H alkenylation. <i>Nature Chemistry</i> , <b>2021</b> , 13, 1207-1213	17.6	15
321	A tautomeric ligand enables directed C-H hydroxylation with molecular oxygen. <i>Science</i> , <b>2021</b> , 372, 1452-1457	33.5	25
320	Synthesis of Cyclic Anhydrides via Ligand-Enabled C-H Carbonylation of Simple Aliphatic Acids. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 16518-16523	3.6	1
319	Synthesis of Cyclic Anhydrides via Ligand-Enabled C-H Carbonylation of Simple Aliphatic Acids. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16382-16387	16.4	5
318	Advancing the Logic of Chemical Synthesis: C-H Activation as Strategic and Tactical Disconnections for C-C Bond Construction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 15901-15924	3.6	11
317	Advancing the Logic of Chemical Synthesis: C-H Activation as Strategic and Tactical Disconnections for C-C Bond Construction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15767-15790	16.4	58
316	Cyclization by C(sp <sup>3</sup> )-H Arylation with a Transient Directing Group for the Diastereoselective Preparation of Indanes. <i>ACS Catalysis</i> , <b>2021</b> , 11, 3115-3127	13.1	6
315	Mechanistic study of enantioselective Pd-catalyzed C(sp)-H activation of thioethers involving two distinct stereomodels.. <i>ACS Catalysis</i> , <b>2021</b> , 11, 9738-9753	13.1	6
314	Probing Catalyst Speciation in Pd-MPAAM-Catalyzed Enantioselective C(sp <sup>3</sup> )-H Arylation: Catalyst Improvement via Destabilization of Off-Cycle Species. <i>ACS Catalysis</i> , <b>2021</b> , 11, 11040-11048	13.1	2
313	Rapid Construction of Tetralin, Chromane, and Indane Motifs via Cyclative C-H/C-H Coupling: Four-Step Total Synthesis of (±)-Russujaponol F. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 687-692	16.4	28
312	A C-H Functionalization Strategy Enables an Enantioselective Formal Synthesis of (-)-Aflatoxin B. <i>Organic Letters</i> , <b>2021</b> ,	6.2	2
311	Ligand Enabled Pd(II)-Catalyzed $\beta$ -C(sp)-H Lactamization of Native Amides.. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 21657-21666	16.4	5
310	Chrysomycin A Derivatives for the Treatment of Multi-Drug-Resistant Tuberculosis. <i>ACS Central Science</i> , <b>2020</b> , 6, 928-938	16.8	17

309	Pd-Catalyzed $\beta$ -C(sp)-H Fluorination of Free Amines. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 9966-9974	16.4	35
308	Distal $\beta$ -C(sp)-H Olefination of Ketone Derivatives and Free Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 12853-12859	16.4	31
307	Distal $\beta$ -C(sp <sup>3</sup> ) $\beta$ Olefination of Ketone Derivatives and Free Carboxylic Acids. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 12953-12959	3.6	6
306	Achieving Site-Selectivity for C-H Activation Processes Based on Distance and Geometry: A Carpenter $\text{\textcircled{Q}}$ Approach. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10571-10591	16.4	89
305	Cu-Catalyzed C-H Alkenylation of Benzoic Acid and Acrylic Acid Derivatives with Vinyl Boronates. <i>Organic Letters</i> , <b>2020</b> , 22, 4692-4696	6.2	4
304	Pd-Catalyzed Enantioselective C(sp)-H Arylation of Cyclobutyl Ketones Using a Chiral Transient Directing Group. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9594-9600	16.4	45
303	Ligand-Enabled Monoselective $\beta$ -C(sp)-H Acyloxylation of Free Carboxylic Acids Using a Practical Oxidant. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 6769-6776	16.4	37
302	From Pd(OAc) to Chiral Catalysts: The Discovery and Development of Bifunctional Mono-N-Protected Amino Acid Ligands for Diverse C-H Functionalization Reactions. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 833-851	24.3	149
301	Pd(II)-Catalyzed Enantioselective $\beta$ -C(sp)-H Functionalizations of Free Cyclopropylmethylamines. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 12015-12019	16.4	43
300	Pd(II)-Catalyzed Enantioselective C(sp <sup>3</sup> ) $\beta$ Arylation of Cyclobutyl Ketones Using a Chiral Transient Directing Group. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9681-9687	3.6	7
299	Iridium(I)-Catalyzed $\beta$ -C(sp)-H Alkylation of Saturated Azacycles. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5117-5125	16.4	30
298	Differentiation and functionalization of remote C-H bonds in adjacent positions. <i>Nature Chemistry</i> , <b>2020</b> , 12, 399-404	17.6	42
297	Ligand-Enabled $\beta$ -Methylene C(sp <sup>3</sup> ) $\beta$ Arylation of Masked Aliphatic Alcohols. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7857-7861	3.6	4
296	Ligand-Enabled $\beta$ -Methylene C(sp)-H Arylation of Masked Aliphatic Alcohols. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7783-7787	16.4	20
295	$\beta$ -Selective C $\beta$ Arylation of Electron-Deficient Thiophenes, Pyrroles, and Furans. <i>Israel Journal of Chemistry</i> , <b>2020</b> , 60, 416-418	3.4	2
294	Rational Development of Remote C-H Functionalization of Biphenyl: Experimental and Computational Studies. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4770-4777	16.4	24
293	Lactonization as a general route to $\beta$ -C(sp)-H functionalization. <i>Nature</i> , <b>2020</b> , 577, 656-659	50.4	54
292	Rational Development of Remote C $\beta$ Functionalization of Biphenyl: Experimental and Computational Studies. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4800-4807	3.6	2

- 291 Ligand-Enabled Pd(II)-Catalyzed C(sp)-H Lactonization Using Molecular Oxygen as Oxidant. *Organic Letters*, **2020**, 22, 3960-3963 6.2 17
- 290 meta-Selective C-H Arylation of Fluoroarenes and Simple Arenes. *Angewandte Chemie - International Edition*, **2020**, 59, 13831-13835 16.4 21
- 289 Transient Directing Group Enabled Pd-catalyzed  $\beta$ -C(sp)-H Oxygenation of Alkyl Amines. *ACS Catalysis*, **2020**, 10, 5657-5662 13.1 21
- 288 meta-Selective C-H Arylation of Fluoroarenes and Simple Arenes. *Angewandte Chemie*, **2020**, 132, 13935-13939 16.4 21
- 287  $\beta$ -C-H Mono- and Dihalogenation of Alcohols. *Journal of the American Chemical Society*, **2020**, 142, 2766-2770 16.4 39
- 286 Insights into the Role of Transient Chiral Mediators and Pyridone Ligands in Asymmetric Pd-Catalyzed C-H Functionalization. *Journal of Organic Chemistry*, **2020**, 85, 13674-13679 4.2 8
- 285 Merging C(sp)-H activation with DNA-encoding. *Chemical Science*, **2020**, 11, 12282-12288 9.4 27
- 284 Palladium-Catalyzed [3 + 2] Cycloaddition via Twofold 1,3-C(sp)-H Activation. *Journal of the American Chemical Society*, **2020**, 142, 16552-16556 16.4 27
- 283 C-H Arylation of Electron-Rich Arenes: Reversing the Conventional Site Selectivity. *Journal of the American Chemical Society*, **2019**, 141, 14870-14877 16.4 35
- 282 Hemilabile Benzyl Ether Enables  $\beta$ -C(sp)-H Carbonylation and Olefination of Alcohols. *Journal of the American Chemical Society*, **2019**, 141, 15494-15497 16.4 27
- 281 Understanding the Activity and Enantioselectivity of Acetyl-Protected Aminoethyl Quinoline Ligands in Palladium-Catalyzed  $\beta$ -C(sp)-H Bond Arylation Reactions. *Journal of the American Chemical Society*, **2019**, 141, 16726-16733 16.4 17
- 280 Sequential Functionalization of meta-C-H and ipso-C-O Bonds of Phenols. *Journal of the American Chemical Society*, **2019**, 141, 1903-1907 16.4 47
- 279 Utilizing Carbonyl Coordination of Native Amides for Palladium-Catalyzed C(sp<sup>3</sup>)-H Olefination. *Angewandte Chemie*, **2019**, 131, 11546 3.6
- 278 Utilizing Carbonyl Coordination of Native Amides for Palladium-Catalyzed C(sp<sup>3</sup>)-H Olefination. *Angewandte Chemie - International Edition*, **2019**, 58, 11424-11428 16.4 29
- 277 Palladium-Catalyzed Remote meta-C-H Bond Deuteration of Arenes Using a Pyridine Template. *Organic Letters*, **2019**, 21, 4887-4891 6.2 34
- 276 Ligand-Promoted Rh(III)-Catalyzed Thiolation of Benzamides with a Broad Disulfide Scope. *Angewandte Chemie*, **2019**, 131, 9197-9201 3.6 6
- 275 Enantio- and Diastereoswitchable C-H Arylation of Methylene Groups in Cycloalkanes. *Chemistry - A European Journal*, **2019**, 25, 8503-8507 4.8 10
- 274 Modular, stereocontrolled C-H/C-C activation of alkyl carboxylic acids. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 8721-8727 11.5 24

273	Ligand-Promoted Rh -Catalyzed Thiolation of Benzamides with a Broad Disulfide Scope. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9099-9103	16.4	40
272	Reversing conventional site-selectivity in C(sp)-H bond activation. <i>Nature Chemistry</i> , <b>2019</b> , 11, 571-577	17.6	54
271	Cu-Mediated Amination of (Hetero)Aryl C-H bonds with NH Azaheterocycles. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18141-18145	16.4	19
270	Catalytic, Enantioselective, C?H Functionalization to Form CarbonCarbon Bonds <b>2019</b> , 671-748		
269	Synthesis of Arylethenesulfonyl Fluoride via Pd-Catalyzed Nondirected C-H Alkenylation. <i>Organic Letters</i> , <b>2019</b> , 21, 1426-1429	6.2	54
268	Rh(III)-Catalyzed meta-C-H Alkenylation with Alkynes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 76-79	16.4	66
267	Ligand-Promoted Non-Directed C-H Cyanation of Arenes. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2199-2202	4.8	42
266	Remote Para-C-H Acetoxylation of Electron-Deficient Arenes. <i>Organic Letters</i> , <b>2019</b> , 21, 540-544	6.2	42
265	Pd-Catalyzed Enantioselective C(sp )-H Activation/Cross-Coupling Reactions of Free Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2134-2138	16.4	88
264	Ligand-Enabled C(sp)-H Activation of Ketones. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3564-3568	16.4	88
263	Enantioselective C(sp)-H Activation of Alkyl Amines via Pd(II)/Pd(0) Catalysis. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 5322-5325	16.4	72
262	Enantioselective C-H Arylation and Vinylation of Cyclobutyl Carboxylic Amides. <i>ACS Catalysis</i> , <b>2018</b> , 8, 2577-2584	13.1	46
261	Enantioselective C(sp)-H bond activation by chiral transition metal catalysts. <i>Science</i> , <b>2018</b> , 359,	33.3	402
260	Remote C-H Activation of Various N-Heterocycles Using a Single Template. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 3434-3438	4.8	24
259	A General Protocol for Addressing Speciation of the Active Catalyst Applied to Ligand-Accelerated Enantioselective C(sp <sup>3</sup> )H Bond Arylation. <i>ACS Catalysis</i> , <b>2018</b> , 8, 1528-1531	13.1	20
258	Rapid Syntheses of Heteroaryl-Substituted Imidazo[1,5-a]indole and Pyrrolo[1,2-c]imidazole via Aerobic C <sup>2</sup> -H Functionalizations. <i>Organic Letters</i> , <b>2018</b> , 20, 284-287	6.2	30
257	Pd-Catalyzed Remote Meta-C-H Functionalization of Phenylacetic Acids Using a Pyridine Template. <i>Organic Letters</i> , <b>2018</b> , 20, 425-428	6.2	38
256	Ligand-Enabled C(sp)-H Olefination of Free Carboxylic Acids. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10363-10367	16.4	70

- 255 Pd(II)-Catalyzed Enantioselective C(sp)-H Arylation of Free Carboxylic Acids. *Journal of the American Chemical Society*, **2018**, 140, 6545-6549 16.4 103
- 254 Copper-Mediated Diastereoselective C<sub>H</sub> Thiolation of Ferrocenes. *Organometallics*, **2018**, 37, 2832-2836 3.8 30
- 253 Controlling Pd(IV) reductive elimination pathways enables Pd(II)-catalysed enantioselective C(sp)-H fluorination. *Nature Chemistry*, **2018**, 10, 755-762 17.6 140
- 252 Enantioselective remote meta-C-H arylation and alkylation via a chiral transient mediator. *Nature*, **2018**, 558, 581-585 50.4 139
- 251 The mechanism of directed Ni(ii)-catalyzed C-H iodination with molecular iodine. *Chemical Science*, **2018**, 9, 1144-1154 9.4 31
- 250 Ligand-enabled  $\gamma$ -C-H olefination of phenylacetic amides with unactivated alkenes. *Chemical Science*, **2018**, 9, 1311-1316 9.4 56
- 249 Quantifying Structural Effects of Amino Acid Ligands in Pd(II)-Catalyzed Enantioselective C<sub>H</sub> Functionalization Reactions. *Organometallics*, **2018**, 37, 203-210 3.8 27
- 248 Pd(II)-Catalyzed Enantioselective C(sp<sup>3</sup>)-C<sub>H</sub> Activation/Cross-Coupling Reactions of Free Carboxylic Acids. *Angewandte Chemie*, **2018**, 131, 2156 3.6
- 247 Overcoming the Limitations of  $\alpha$ - and  $\gamma$ -C-H Arylation of Amines through Ligand Development. *Journal of the American Chemical Society*, **2018**, 140, 17884-17894 16.4 105
- 246 Ligand-Enabled, Palladium-Catalyzed  $\gamma$ -C(sp)-H Arylation of Weinreb Amides. *ACS Catalysis*, **2018**, 8, 9292-9297 3.2 38
- 245 Copper mediated C-H amination with oximes: en route to primary anilines. *Chemical Science*, **2018**, 9, 5160-5164 9.4 39
- 244 Palladium Catalyzed  $\gamma$ -C-H Functionalization of Masked Aromatic Aldehydes. *ACS Catalysis*, **2018**, 8, 7362-7367 3.6 46
- 243 Formation of  $\beta$ -chiral centers by asymmetric  $\gamma$ -C(sp<sup>3</sup>)-H arylation, alkenylation, and alkynylation. *Science*, **2017**, 355, 499-503 33.3 140
- 242 Ligand-Enabled Alkynylation of C(sp)-H Bonds with Palladium(II) Catalysts. *Angewandte Chemie - International Edition*, **2017**, 56, 1873-1876 16.4 38
- 241 Ligand-Enabled Alkynylation of C(sp<sup>3</sup>)-C<sub>H</sub> Bonds with Palladium(II) Catalysts. *Angewandte Chemie*, **2017**, 129, 1899-1902 3.6 17
- 240 Rh(III)-Catalyzed meta-C-H Olefination Directed by a Nitrile Template. *Journal of the American Chemical Society*, **2017**, 139, 2200-2203 16.4 102
- 239 Pd(II)-Catalyzed Enantioselective C(sp)-H Borylation. *Journal of the American Chemical Society*, **2017**, 139, 3344-3347 16.4 131
- 238 Remote site-selective C-H activation directed by a catalytic bifunctional template. *Nature*, **2017**, 543, 538-542 50.4 177

237	Copper-Mediated Late-Stage Functionalization of Heterocycle-Containing Molecules. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 5401-5405	3.6	11
236	Copper-Mediated Late-Stage Functionalization of Heterocycle-Containing Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5317-5321	16.4	68
235	Ligand-Enabled Pd(II)-Catalyzed Bromination and Iodination of C(sp)-H Bonds. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5724-5727	16.4	42
234	Ligand-Promoted Rhodium(III)-Catalyzed ortho-C-H Amination with Free Amines. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7449-7453	16.4	69
233	Ligand-Promoted Rhodium(III)-Catalyzed ortho-C-H Amination with Free Amines. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7557-7561	3.6	16
232	Ligand-Enabled Auxiliary-Free meta-C-H Arylation of Phenylacetic Acids. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6874-6877	16.4	52
231	Ligand-Enabled Auxiliary-Free meta-C-H Arylation of Phenylacetic Acids. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6978-6981	3.6	14
230	Palladium-Catalyzed Transformations of Alkyl C-H Bonds. <i>Chemical Reviews</i> , <b>2017</b> , 117, 8754-8786	68.1	1240
229	Copper-Catalyzed Bromination of C(sp <sup>3</sup> )-H Bonds Distal to Functional Groups. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 312-315	3.6	26
228	Copper-Catalyzed Bromination of C(sp <sup>3</sup> )-H Bonds Distal to Functional Groups. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 306-309	16.4	83
227	Practical Alkoxythiocarbonyl Auxiliaries for Iridium(I)-Catalyzed C-H Alkylation of Azacycles. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10666-10670	3.6	21
226	meta-C-H Arylation and Alkylation of Benzylsulfonamide Enabled by a Palladium(II)/Isoquinoline Catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8183-8186	16.4	62
225	meta-C-H Arylation and Alkylation of Benzylsulfonamide Enabled by a Palladium(II)/Isoquinoline Catalyst. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8295-8298	3.6	22
224	Enantioselectivity Model for Pd-Catalyzed C-H Functionalization Mediated by the Mono-N-protected Amino Acid (MPAA) Family of Ligands. <i>ACS Catalysis</i> , <b>2017</b> , 7, 4344-4354	13.1	24
223	The Origins of Dramatic Differences in Five-Membered vs Six-Membered Chelation of Pd(II) on Efficiency of C(sp)-H Bond Activation. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8514-8521	16.4	73
222	A Role for Pd(IV) in Catalytic Enantioselective C-H Functionalization with Monoprotected Amino Acid Ligands under Mild Conditions. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9238-9245	16.4	38
221	Practical Alkoxythiocarbonyl Auxiliaries for Iridium(I)-Catalyzed C-H Alkylation of Azacycles. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10530-10534	16.4	68
220	Ligand-Promoted meta-C-H Functionalization of Benzylamines. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 5207-5213	3.6	21

219	Ligand-Promoted meta-C-H Functionalization of Benzylamines. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5125-5129	16.4	61
218	Diverse ortho-C(sp)-H Functionalization of Benzaldehydes Using Transient Directing Groups. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 888-896	16.4	186
217	Ligand-Enabled $\alpha$ -C-H Arylation of $\beta$ -Amino Acids Without Installing Exogenous Directing Groups. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1506-1509	16.4	90
216	Ligand-Enabled $\beta$ -C-H Arylation of $\beta$ -Amino Acids Without Installing Exogenous Directing Groups. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1528-1531	3.6	29
215	Ligand-Enabled meta-Selective C-H Arylation of Nosyl-Protected Phenethylamines, Benzylamines, and 2-Aryl Anilines. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 417-425	16.4	74
214	Versatile Alkylation of (Hetero)Aryl Iodides with Ketones via $\alpha$ -C(sp)-H Activation. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 16080-16083	16.4	38
213	An Epoxide-Mediated Deprotection Method for Acidic Amide Auxiliary. <i>Organic Letters</i> , <b>2017</b> , 19, 5860-5863	5.6	7
212	Highly Versatile $\alpha$ -C(sp)-H Iodination of Ketones Using a Practical Auxiliary. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12394-12397	16.4	56
211	Selective C(sp <sup>3</sup> )-H Monoarylation Catalyzed by a Covalently Cross-Linked Reverse Micelle-Supported Palladium Catalyst. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 3611-3617	5.6	2
210	Ligand-Enabled $\beta$ -C(sp <sup>3</sup> )-H Cross-Coupling of Nosyl-Protected Amines with Aryl- and Alkylboron Reagents. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7777-7782	13.1	33
209	Methylene C(sp)-H Arylation of Aliphatic Ketones Using a Transient Directing Group. <i>ACS Catalysis</i> , <b>2017</b> , 7, 6938-6941	13.1	69
208	Palladium(II)-Catalyzed Site-Selective C(sp)-H Alkynylation of Oligopeptides: A Linchpin Approach for Oligopeptide-Drug Conjugation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10924-10927	16.4	107
207	Palladium(II)-Catalyzed Site-Selective C(sp <sup>3</sup> )-H Alkynylation of Oligopeptides: A Linchpin Approach for Oligopeptide-Drug Conjugation. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11064-11067	3.6	44
206	Experimental and Computational Development of a Conformationally Flexible Template for the meta-C-H Functionalization of Benzoic Acids. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10702-10714	16.4	61
205	Dynamic Ligand Exchange as a Mechanistic Probe in Pd-Catalyzed Enantioselective C-H Functionalization Reactions Using Monoprotected Amino Acid Ligands. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 18500-18503	16.4	16
204	Ligand-accelerated non-directed C-H functionalization of arenes. <i>Nature</i> , <b>2017</b> , 551, 489-493	50.4	197
203	Experimental-Computational Synergy for Selective Pd(II)-Catalyzed C-H Activation of Aryl and Alkyl Groups. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 2853-2860	24.3	150
202	Identification of monodentate oxazoline as a ligand for copper-promoted $\alpha$ -C-H hydroxylation and amination. <i>Chemical Science</i> , <b>2017</b> , 8, 1469-1473	9.4	40



201	Enantioselective amine $\beta$ -functionalization via palladium-catalysed C-H arylation of thioamides. <i>Nature Chemistry</i> , <b>2017</b> , 9, 140-144	17.6	218
200	One-pot synthesis of imidazolium salts via the ring opening of tetrahydrofuran. <i>Dalton Transactions</i> , <b>2017</b> , 46, 12430-12433	4.3	8
199	A Simple and Versatile Amide Directing Group for C-H Functionalizations. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10578-99	16.4	458
198	Application of a Palladium-Catalyzed C-H Functionalization/Indolization Method to Syntheses of cis-Trikentrin A and Herbindole B. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11824-8	16.4	28
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195	Pd-Catalyzed $\beta$ -C(sp)-H Arylation of Free Amines Using a Transient Directing Group. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14554-14557	16.4	174
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192	Ligand-Enabled Arylation of $\beta$ -C-H Bonds. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 4317-21	16.4	87
191	Rapid Construction of a Benzo-Fused Indoxamycin Core Enabled by Site-Selective C-H Functionalizations. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8270-4	16.4	27
190	Kinetic Resolution of Benzylamines via Palladium(II)-Catalyzed C-H Cross-Coupling. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 7796-800	16.4	65
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187	Ligand-Promoted Borylation of C(sp <sup>3</sup> )-H Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 785-9	16.4	91
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181	Factors Controlling Stability and Reactivity of Dimeric Pd(II) Complexes in C $\beta$ H Functionalization Catalysis. <i>ACS Catalysis</i> , <b>2016</b> , 6, 829-839	13.1	47
180	Ligand-Promoted C(sp <sup>3</sup> )-H Olefination en Route to Multi-functionalized Pyrazoles. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7059-62	4.8	27
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176	Enantioselective C-H Olefination of $\beta$ -Hydroxy and $\beta$ -Amino Phenylacetic Acids by Kinetic Resolution. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2856-60	16.4	86
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74	Bystanding F <sup>+</sup> oxidants enable selective reductive elimination from high-valent metal centers in catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1478-91	16.4	330
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72	Improved syntheses of phosphine ligands by direct coupling of diarylbromophosphine with organometallic reagents. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 10828-31	4.8	14
71	Hydroxyl-directed C-H carbonylation enabled by mono-N-protected amino acid ligands: An expedient route to 1-isochromanones. <i>Chemical Science</i> , <b>2011</b> , 2, 967	9.4	176
70	Pd(II)-catalyzed hydroxyl-directed C-H olefination enabled by monoprotected amino acid ligands. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 5916-21	16.4	318
69	Pd(II)-catalyzed carbonylation of C(sp <sup>3</sup> )-H bonds: a new entry to 1,4-dicarbonyl compounds. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 17378-80	16.4	242
68	Pd(II)-catalyzed olefination of sp <sup>3</sup> C-H bonds. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 3680-16.4	16.4	327
67	Expedient drug synthesis and diversification via ortho-C-H iodination using recyclable PdI <sub>2</sub> as the precatalyst. <i>Organic Letters</i> , <b>2010</b> , 12, 3140-3	6.2	136
66	Pd(II)-catalyzed enantioselective C-H olefination of diphenylacetic acids. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 460-1	16.4	378
65	Pd(II)-catalyzed o-C-H acetoxylation of phenylalanine and ephedrine derivatives with MeCOOO(t)Bu/Ac <sub>2</sub> O. <i>Organic Letters</i> , <b>2010</b> , 12, 2511-3	6.2	126
64	Metal-organic frameworks with oxazoline-containing tripodal ligand: structure changes via reaction medium and metal-to-ligand ratio. <i>CrystEngComm</i> , <b>2010</b> , 12, 4328	3.3	23
63	Synthetic applications of Pd(II)-catalyzed C-H carboxylation and mechanistic insights: expedient routes to anthranilic acids, oxazolinones, and quinazolinones. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 686-93	16.4	274
62	Ligand-enabled reactivity and selectivity in a synthetically versatile aryl C-H olefination. <i>Science</i> , <b>2010</b> , 327, 315-9	33.3	646
61	Syntheses, crystal structures and properties of silver(I) and copper(II) complexes with an oxazoline-containing tetradentate ligand. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 2436	3.6	7
60	Pd(II)-catalyzed hydroxyl-directed C-H activation/C-O cyclization: expedient construction of dihydrobenzofurans. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12203-5	16.4	300
59	Pd(II)-catalyzed ortho-trifluoromethylation of arenes using TFA as a promoter. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 3648-9	16.4	452
58	Highly selective hydration reaction of $\beta$ -pinene over H-mordenites pretreated with quaternary ammonium salts. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 13, 280-283	4.9	6



57	Ligand-accelerated C-H activation reactions: evidence for a switch of mechanism. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 14137-51	16.4	390
56	Cross-coupling of C(sp)-H Bonds with Organometallic Reagents via Pd(II)/Pd(0) Catalysis**. <i>Israel Journal of Chemistry</i> , <b>2010</b> , 50, 605-616	3.4	134
55	Supramolecular Chemistry of Silver <b>2010</b> , 329-355		0
54	Pd0/PR3-Catalyzed Arylation of Nicotinic and Isonicotinic Acid Derivatives. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 1297-1299	3.6	77
53	Constructing Multiply Substituted Arenes Using Sequential Palladium(II)-Catalyzed C-H Olefination. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 6305-6309	3.6	61
52	Pd0/PR3-catalyzed arylation of nicotinic and isonicotinic acid derivatives. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 1275-7	16.4	209
51	Constructing multiply substituted arenes using sequential palladium(II)-catalyzed C-H olefination. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 6169-73	16.4	210
50	Amide-Directed Arylation of sp C-H Bonds using Pd(II) and Pd(0) Catalysts. <i>Tetrahedron</i> , <b>2010</b> , 66, 4811-4815	3.4	44
49	Palladium(II)-katalysierte C-H-Aktivierung/C-C-Kreuzkupplung: Vielseitigkeit und Anwendbarkeit. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 5196-5217	3.6	1115
48	Palladium(II)-Catalyzed ortho Alkylation of Benzoic Acids with Alkyl Halides. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 6213-6216	3.6	77
47	Palladium(II)-catalyzed C-H activation/C-C cross-coupling reactions: versatility and practicality. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5094-115	16.4	3557
46	Palladium(II)-catalyzed ortho alkylation of benzoic acids with alkyl halides. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6097-100	16.4	240
45	Cu(II)-mediated oxidative dimerization of 2-phenylpyridine derivatives. <i>Tetrahedron</i> , <b>2009</b> , 65, 3085-3089	2.4	62
44	Versatile Pd(OTf) <sub>2</sub> x 2 H <sub>2</sub> O-catalyzed ortho-fluorination using NMP as a promoter. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7520-1	16.4	350
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35	Silver(I) complexes with oxazoline-containing tripodal ligands: structure variation via counter anions and reaction conditions. <i>Dalton Transactions</i> , <b>2008</b> , 204-13	4-3	55
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30	Cover Picture: Pd(II)-Catalyzed Enantioselective Activation of C(sp <sup>2</sup> )-H and C(sp <sup>3</sup> )-H Bonds Using Monoprotected Amino Acids as Chiral Ligands (Angew. Chem. Int. Ed. 26/2008). <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 4761-4761	16.4	3
29	Pd(II)-Catalyzed Enantioselective Activation of C(sp <sup>2</sup> )-H and C(sp <sup>3</sup> )-H Bonds Using Monoprotected Amino Acids as Chiral Ligands. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 4960-4964	3.6	198
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16	Pd(OH) <sub>2</sub> /C-mediated selective oxidation of silyl enol ethers by tert-butylhydroperoxide, a useful method for the conversion of ketones to alpha,beta-enones or beta-silyloxy-alpha,beta-enones. <i>Organic Letters</i> , <b>2005</b> , 7, 1415-7	6.2	82
15	Catalytic and stereoselective iodination of prochiral C-H bonds. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 3502-3505		58
14	Palladium-catalyzed asymmetric iodination of unactivated C-H bonds under mild conditions. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 2112-5	16.4	429
13	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> , <b>2005</b> , 44, 7420-4	16.4	373
12	Palladium-Catalyzed Asymmetric Iodination of Unactivated C-H Bonds under Mild Conditions. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 2150-2153	3.6	136
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5	Selective hydrogenolysis of novel benzyl carbamate protecting groups. <i>Organic Letters</i> , <b>2000</b> , 2, 1049-51	16.2	25
4	Palladium-Catalyzed $\alpha$ -(sp <sup>3</sup> ) Nitroxylation of Ketones and Amides Using Practical Oxidants. <i>ACS Catalysis</i> , 14188-14193	13.1	5

3	Ligand-Accelerated ortho-C <sup>2</sup> H Olefination of Phenylacetic Acids	58-75	1
2	Unified Mechanistic Concept of the Copper-Catalyzed and Amide-Oxazoline-Directed C(sp <sup>2</sup> ) <sup>2</sup> H Bond Functionalization. <i>ACS Catalysis</i> ,12620-12631		13.1 4
1	Roles of Ligand and Oxidant in Pd(II)-Catalyzed and Ligand-Enabled C(sp <sup>3</sup> ) <sup>2</sup> H Lactonization in Aliphatic Carboxylic Acid: Mechanistic Studies. <i>ACS Catalysis</i> ,4848-4858		13.1 2