Aiwen Lei

List of Publications by Citations

474 papers	29,901 citations	92 h-index	150 g-index
637 ext. papers	34,499 ext. citations	9 avg, IF	7.84 L-index

#	Paper	IF	Citations
474	Bond formations between two nucleophiles: transition metal catalyzed oxidative cross-coupling reactions. *Chemical Reviews*, **2011**, 111, 1780-824	68.1	1658
473	Oxidative Coupling between Two Hydrocarbons: An Update of Recent C-H Functionalizations. *Chemical Reviews*, **2015**, 115, 12138-204	68.1	796
472	Recent Advances in Radical C-H Activation/Radical Cross-Coupling. *Chemical Reviews*, **2017**, 117, 9016-9085	68.1	730
471	Synthetic applications of photoredox catalysis with visible light. *Organic and Biomolecular Chemistry* , **2013**, 11, 2387-403	3.9	560
470	Organocatalysis in cross-coupling: DMEDA-catalyzed direct C-H arylation of unactivated benzene. *Journal of the American Chemical Society*, **2010**, 132, 16737-40	16.4	496
469	Electrochemical Oxidative Cross-coupling with Hydrogen Evolution: A Green and Sustainable Way for Bond Formation. *CheM*, **2018**, 4, 27-45	16.2	459
468	Transition-metal catalyzed oxidative cross-coupling reactions to form C-C bonds involving organometallic reagents as nucleophiles. *Chemical Society Reviews*, **2011**, 40, 2761-76	58.5	393
467	Oxidative carbonylation reactions: organometallic compounds (R-M) or hydrocarbons (R-H) as nucleophiles. *Angewandte Chemie - International Edition*, **2011**, 50, 10788-99	16.4	391
466	Dioxygen-triggered oxidative radical reaction: direct aerobic difunctionalization of terminal alkynes toward keto sulfones. *Journal of the American Chemical Society*, **2013**, 135, 11481-4	16.4	389
465	Aerobic oxysulfonylation of alkenes leading to secondary and tertiary hydroxysulfones. *Angewandte Chemie - International Edition*, **2013**, 52, 7156-9	16.4	323
464	Recent Advances in Oxidative R-H/R-H Cross-Coupling with Hydrogen Evolution via Photo-/Electrochemistry. *Chemical Reviews*, **2019**, 119, 6769-6787	68.1	321
463	Visible-light-mediated decarboxylation/oxidative amidation of keto acids with amines under mild reaction conditions using O(2). *Angewandte Chemie - International Edition*, **2014**, 53, 502-6	16.4	310
462	Recent advances of transition-metal catalyzed radical oxidative cross-couplings. *Accounts of Chemical Research*, **2014**, 47, 3459-70	24.3	278
461	Silver-mediated oxidative C-H/C-H functionalization: a strategy to construct polysubstituted furans. *Journal of the American Chemical Society*, **2012**, 134, 5766-9	16.4	268
460	External Oxidant-Free Oxidative Cross-Coupling: A Photoredox Cobalt-Catalyzed Aromatic C-H Thiolation for Constructing C-S Bonds. *Journal of the American Chemical Society*, **2015**, 137, 9273-80	16.4	265
459	Electrochemical Oxidative Cross-Coupling with Hydrogen Evolution Reactions. *Accounts of Chemical Research*, **2019**, 52, 3309-3324	24.3	259
458	Olefinic C-H functionalization through radical alkenylation. *Chemical Society Reviews*, **2015**, 44, 1070-82	58.5	248

457	Direct functionalization of tetrahydrofuran and 1,4-dioxane: nickel-catalyzed oxidative C(sp3)-H arylation. *Angewandte Chemie - International Edition*, **2013**, 52, 4453-6	16.4	240
456	Electrocatalytic Oxidant-Free Dehydrogenative C-H/S-H Cross-Coupling. *Angewandte Chemie - International Edition*, **2017**, 56, 3009-3013	16.4	234
455	Nickel-catalyzed oxidative coupling reactions of two different terminal alkynes using O(2) as the oxidant at room temperature: facile syntheses of unsymmetric 1,3-diynes. *Organic Letters*, **2009**, 11, 709-12	6.2	228
454	Synthesis of pyrroles by click reaction: silver-catalyzed cycloaddition of terminal alkynes with isocyanides. *Angewandte Chemie - International Edition*, **2013**, 52, 6958-61	16.4	215
453	Cobalt(II)-Catalyzed Electrooxidative C-H Amination of Arenes with Alkylamines. *Journal of the American Chemical Society*, **2018**, 140, 4195-4199	16.4	213
452	Copper catalyzed arylation/C-C bond activation: an approach toward alpha-aryl ketones. *Journal of the American Chemical Society*, **2010**, 132, 8273-5	16.4	203
451	Heteroaromatic imidazo[1,2-a]pyridines synthesis from C-H/N-H oxidative cross-coupling/cyclization. *Chemical Communications*, **2012**, 48, 11073-5	5.8	196
450	Revealing the metal-like behavior of iodine: an iodide-catalysed radical oxidative alkenylation. *Chemical Communications*, **2014**, 50, 4496-9	5.8	191
449	Palladium-catalyzed aerobic oxidative direct esterification of alcohols. *Angewandte Chemie - International Edition*, **2011**, 50, 5144-8	16.4	190
448	Copper-Catalyzed Radical/Radical C(sp 3)-H/P-H Cross-Coupling: Phosphorylation of Aryl Ketone O-Acetyloximes. *Angewandte Chemie - International Edition*, **2015**, 54, 6604-7	16.4	184
447	Fe-catalysed oxidative C-H functionalization/C-S bond formation. *Chemical Communications*, **2012**, 48, 76-8	5.8	181
446	Copper-catalyzed oxidative coupling of alkenes with aldehydes: direct access to unsaturated ketones. *Angewandte Chemie - International Edition*, **2013**, 52, 2256-9	16.4	177
445	Transmetalation of palladium enolate and its application in palladium-catalyzed homocoupling of alkynes: a room-temperature, highly efficient route to make diynes. *Journal of Organic Chemistry*, **2002**, 67, 1969-71	4.2	176
444	Nickel-catalyzed Heck-type alkenylation of secondary and tertiary carbonyl alkyl bromides. *Angewandte Chemie - International Edition*, **2012**, 51, 3638-41	16.4	168
443	"Click saccharides": novel separation materials for hydrophilic interaction liquid chromatography. *Chemical Communications*, **2007**, 2491-3	5.8	166
442	Cobalt-catalyzed electrooxidative C-H/N-H [4+2] annulation with ethylene or ethyne. *Nature Communications*, **2018**, 9, 798	17.4	163
441	Iodine-catalyzed oxidative coupling reactions utilizing C - H and X - H as nucleophiles. *Chemistry - an Asian Journal*, **2015**, 10, 806-23	4.5	163
440	Revealing a second transmetalation step in the Negishi coupling and its competition with reductive elimination: improvement in the interpretation of the mechanism of biaryl syntheses. *Journal of the American Chemical Society*, **2009**, 131, 10201-10	16.4	163

439	Iron-catalyzed direct arylation of unactivated arenes with aryl halides. *Angewandte Chemie - International Edition*, **2010**, 49, 2004-8	16.4	157
438	Isolation, structure, and reactivity of an arylnickel(II) pivalate complex in catalytic C-H/C-O biaryl coupling. *Journal of the American Chemical Society*, **2013**, 135, 16384-7	16.4	150
437	Synthesis, chromatographic evaluation and hydrophilic interaction/reversed-phase mixed-mode behavior of a "Click beta-cyclodextrin" stationary phase. *Journal of Chromatography A*, **2009**, 1216, 257-63	4.5	147
436	Iron-catalyzed oxidative radical cross-coupling/cyclization between phenols and olefins. *Angewandte Chemie - International Edition*, **2013**, 52, 7151-5	16.4	145
435	Oxidative R-H/R-H Cross-Coupling with Hydrogen Evolution. *Journal of the American Chemical Society*, **2018**, 140, 13128-13135	16.4	145
434	Copper-catalysed oxidative C-H/C-H coupling between olefins and simple ethers. *Chemical Communications*, **2014**, 50, 3623-6	5.8	143
433	1,3-Diyne chemistry: synthesis and derivations. *Tetrahedron Letters*, **2014**, 55, 2763-2772	2	142
432	Photo-induced oxidant-free oxidative C-H/N-H cross-coupling between arenes and azoles. *Nature Communications*, **2017**, 8, 14226	17.4	141
431	Investigation of an efficient palladium-catalyzed C(sp)-C(sp) cross-coupling reaction using phosphine-olefin ligand: application and mechanistic aspects. *Journal of the American Chemical Society*, **2008**, 130, 14713-20	16.4	140
430	Room-temperature copper-catalyzed oxidation of electron-deficient arenes and heteroarenes using air. *Angewandte Chemie - International Edition*, **2012**, 51, 4666-70	16.4	136
429	Iodine-catalyzed radical oxidative annulation for the construction of dihydrofurans and indolizines. *Organic Letters*, **2015**, 17, 2404-7	6.2	135
428	Palladium-catalyzed oxidative double C-H functionalization/carbonylation for the synthesis of xanthones. *Angewandte Chemie - International Edition*, **2012**, 51, 5204-7	16.4	134
427	Oxidative Carbonylierungen: Organometallverbindungen (R?M) oder Kohlenwasserstoffe (R?H) als Nucleophile. *Angewandte Chemie*, **2011**, 123, 10978-10989	3.6	134
426	Transition-metal-assisted radical/radical cross-coupling: a new strategy to the oxidative C(sp3)-H/N-H cross-coupling. *Organic Letters*, **2014**, 16, 3404-7	6.2	131
425	Synthesis of 6-acyl phenanthridines by oxidative radical decarboxylation-cyclization of □-oxocarboxylates and isocyanides. *Chemical Communications*, **2014**, 50, 2145-7	5.8	128
424	One-shot indole-to-carbazole □-extension by a Pd□Cu□Ag trimetallic system. *Chemical Science*, **2013**, 4, 3416	9.4	127
423	Palladium-catalyzed aerobic oxidative cross-coupling reactions of terminal alkynes with alkylzinc reagents. *Journal of the American Chemical Society*, **2010**, 132, 4101-3	16.4	125
422	Photocatalytic Dehydrogenative Cross-Coupling of Alkenes with Alcohols or Azoles without External Oxidant. *Angewandte Chemie - International Edition*, **2017**, 56, 1120-1124	16.4	122

421	Palladium-catalyzed oxidative carbonylation of N-allylamines for the synthesis of ß-lactams. *Angewandte Chemie - International Edition*, **2014**, 53, 2443-6	16.4	122
420	Trisulfur radical anion as the key intermediate for the synthesis of thiophene via the interaction between elemental sulfur and NaOtBu. *Organic Letters*, **2014**, 16, 6156-9	6.2	122
419	Highly enantioselective syntheses of functionalized alpha-methylene-gamma-butyrolactones via Rh(I)-catalyzed intramolecular Alder ene reaction: application to formal synthesis of (+)-pilocarpine. *Journal of the American Chemical Society*, **2002**, 124, 8198-9	16.4	122
418	External oxidant-free electrooxidative [3 + 2] annulation between phenol and indole derivatives. *Nature Communications*, **2017**, 8, 775	17.4	120
417	Electrochemical Oxidative C-H Amination of Phenols: Access to Triarylamine Derivatives. *Angewandte Chemie - International Edition*, **2018**, 57, 4737-4741	16.4	120
416	Direct observation of reduction of Cu(II) to Cu(I) by terminal alkynes. *Journal of the American Chemical Society*, **2014**, 136, 924-6	16.4	120
415	Aryl halide tolerated electrophilic amination of arylboronic acids with N-chloroamides catalyzed by CuCl at room temperature. *Angewandte Chemie - International Edition*, **2008**, 47, 6414-7	16.4	120
414	Oxidative cross-coupling through double transmetallation: surprisingly high selectivity for palladium-catalyzed cross-coupling of alkylzinc and alkynylstannanes. *Journal of the American Chemical Society*, **2006**, 128, 15048-9	16.4	119
413	Transition-metal-free alkoxycarbonylation of aryl halides. *Angewandte Chemie - International Edition*, **2012**, 51, 12542-5	16.4	116
412	Solvent-Enabled Radical Selectivities: Controlled Syntheses of Sulfoxides and Sulfides. *Angewandte Chemie - International Edition*, **2016**, 55, 1094-7	16.4	114
411	Electro-oxidative C(sp3)–H Amination of Azoles via Intermolecular Oxidative C(sp3)–H/N–H Cross-Coupling. *ACS Catalysis*, **2017**, 7, 8320-8323	13.1	111
410	Superior effect of a pi-acceptor ligand (phosphine-electron-deficient olefin ligand) in the Negishi coupling involving alkylzinc reagents. *Organic Letters*, **2007**, 9, 4571-4	6.2	111
409	Anti-Markovnikov Oxidation of ß-Alkyl Styrenes with H2O as the Terminal Oxidant. *Journal of the American Chemical Society*, **2016**, 138, 12037-40	16.4	109
408	Base-induced mechanistic variation in palladium-catalyzed carbonylation of aryl iodides. *Journal of the American Chemical Society*, **2010**, 132, 3153-8	16.4	107
407	Is electrosynthesis always green and advantageous compared to traditional methods?. *Nature Communications*, **2020**, 11, 802	17.4	105
406	An all-organic rechargeable battery using bipolar polyparaphenylene as a redox-active cathode and anode. *Chemical Communications*, **2013**, 49, 567-9	5.8	105
405	Recent advances in iodine mediated electrochemical oxidative cross-coupling. *Organic and Biomolecular Chemistry*, **2018**, 16, 2375-2387	3.9	104
404	A novel highly regio- and diastereoselective haloamination of alkenes catalyzed by divalent palladium. *Tetrahedron Letters*, **2004**, 45, 1785-1788	2	104

403	Highly enantioselective cycloisomerization of enynes catalyzed by rhodium for the preparation of functionalized lactams. *Angewandte Chemie - International Edition*, **2002**, 41, 4526-9	16.4	104
402	Palladium/copper-catalyzed oxidative C-H alkenylation/N-dealkylative carbonylation of tertiary anilines. *Angewandte Chemie - International Edition*, **2013**, 52, 10582-5	16.4	103
401	Visible-light photocatalytic radical alkenylation of □-carbonyl alkyl bromides and benzyl bromides. *Chemistry - A European Journal*, **2013**, 19, 5120-6	4.8	103
400	Electrooxidative Tandem Cyclization of Activated Alkynes with Sulfinic Acids To Access Sulfonated Indenones. *Organic Letters*, **2017**, 19, 3131-3134	6.2	102
399	Electro-Oxidative S-H/S-H Cross-Coupling with Hydrogen Evolution: Facile Access to Unsymmetrical Disulfides. *Angewandte Chemie - International Edition*, **2018**, 57, 8115-8119	16.4	102
398	Electrochemical-Oxidation-Induced Site-Selective Intramolecular C(sp3)□H Amination. *ACS Catalysis* , **2018**, 8, 9370-9375	13.1	102
397	Chloroacetate-promoted selective oxidation of heterobenzylic methylenes under copper catalysis. *Angewandte Chemie - International Edition*, **2015**, 54, 1261-5	16.4	101
396	Construction of N-containing heterocycles via oxidative intramolecular N-H/X-H coupling. *Chemical Communications*, **2015**, 51, 1394-409	5.8	101
395	Electrochemical Oxidative Alkoxysulfonylation of Alkenes Using Sulfonyl Hydrazines and Alcohols with Hydrogen Evolution. *ACS Catalysis*, **2018**, 8, 10871-10875	13.1	101
394	Visible-light induced oxidant-free oxidative cross-coupling for constructing allylic sulfones from olefins and sulfinic acids. *Chemical Communications*, **2016**, 52, 10407-10	5.8	100
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392	Arylation of unactivated arenes. *Dalton Transactions*, **2010**, 39, 10352-61	4.3	100
391	Highly enantioselective asymmetric hydrogenation of alpha-phthalimide ketone: an efficient entry to enantiomerically pure amino alcohols. *Journal of the American Chemical Society*, **2004**, 126, 1626-7	16.4	100
390	Nickel-Catalyzed Reductive Cross-Coupling of Aryl Bromides with Alkyl Bromides: Et3N as the Terminal Reductant. *Organic Letters*, **2016**, 18, 4012-5	6.2	100
389	Covalently bound benzyl ligand promotes selective palladium-catalyzed oxidative esterification of aldehydes with alcohols. *Angewandte Chemie - International Edition*, **2012**, 51, 5662-6	16.4	99
388	Click chemistry: a new facile and efficient strategy for preparation of functionalized HPLC packings. *Chemical Communications*, **2006**, 4512-4	5.8	98
387	Tuning radical reactivity using iodine in oxidative C(sp(3))-H/C(sp)-H cross-coupling: an easy way toward the synthesis of furans and indolizines. *Chemical Communications*, **2015**, 51, 8769-72	5.8	95
386	Electrochemical Oxidation with Lewis-Acid Catalysis Leads to Trifluoromethylative Difunctionalization of Alkenes Using CFSONa. *Organic Letters*, **2018**, 20, 7396-7399	6.2	94

385	Markovnikov-Selective Radical Addition of S-Nucleophiles to Terminal Alkynes through a Photoredox Process. *Angewandte Chemie - International Edition*, **2017**, 56, 595-599	16.4	92
384	Visible light-induced direct □C-H functionalization of alcohols. *Nature Communications*, **2019**, 10, 467	17.4	92
383	Cobalt-Catalyzed Electrochemical Oxidative C□H/N□H Carbonylation with Hydrogen Evolution. *ACS Catalysis*, **2018**, 8, 5448-5453	13.1	92
382	Ni-catalyzed mild arylation of alpha-halocarbonyl compounds with arylboronic acids. *Organic Letters*, **2007**, 9, 5601-4	6.2	91
381	Electrochemical intramolecular dehydrogenative C□S bond formation for the synthesis of benzothiazoles. *Green Chemistry*, **2017**, 19, 2092-2095	10	90
380	Evidence for the interaction between (t)BuOK and 1,10-phenanthroline to form the 1,10-phenanthroline radical anion: a key step for the activation of aryl bromides by electron transfer. *Chemical Communications*, **2015**, 51, 545-8	5.8	90
379	Electrochemical Acceptorless Dehydrogenation of N-Heterocycles Utilizing TEMPO as Organo-Electrocatalyst. *ACS Catalysis*, **2018**, 8, 1192-1196	13.1	88
378	A novel palladium-catalyzed homocoupling reaction initiated by transmetallation of palladium enolates. *Tetrahedron Letters*, **2002**, 43, 2525-2528	2	88
377	From anilines to isatins: oxidative palladium-catalyzed double carbonylation of C-H bonds. *Angewandte Chemie - International Edition*, **2015**, 54, 1893-6	16.4	87
376	Visible-Light-Mediated Decarboxylation/Oxidative Amidation of □Keto Acids with Amines under Mild Reaction Conditions Using O2. *Angewandte Chemie*, **2014**, 126, 512-516	3.6	87
375	Relay cooperation of K2S2O8 and O2 in oxytrifluoromethylation of alkenes using CF3SO2Na. *Chemical Communications*, **2014**, 50, 14101-4	5.8	86
374	Visible light mediated efficient oxidative benzylic sp(3) C-H to ketone derivatives obtained under mild conditions using O2. *Chemical Communications*, **2015**, 51, 14046-9	5.8	85
373	Oxidative cross-coupling/cyclization to build polysubstituted pyrroles from terminal alkynes and □enamino esters. *Chemical Communications*, **2013**, 49, 7549-51	5.8	85
372	Cobalt-catalyzed direct arylation of unactivated arenes with aryl halides. *Chemistry - A European Journal*, **2011**, 17, 3588-92	4.8	85
371	Highly enantioselective Rh-catalyzed intramolecular Alder-ene reactions for the syntheses of chiral tetrahydrofurans. *Angewandte Chemie - International Edition*, **2002**, 41, 3457-60	16.4	85
370	Manganese-Catalyzed Oxidative Azidation of C(sp)-H Bonds under Electrophotocatalytic Conditions. *Journal of the American Chemical Society*, **2020**, 142, 17693-17702	16.4	85
369	Multimetallic catalysed radical oxidative C(sp(3))-H/C(sp)-H cross-coupling between unactivated alkanes and terminal alkynes. *Nature Communications*, **2016**, 7, 11676	17.4	84
368	Aerobic Oxysulfonylation of Alkenes Leading to Secondary and Tertiary □Hydroxysulfones. *Angewandte Chemie*, **2013**, 125, 7297-7300	3.6	83

367	Cu(II)-Cu(I) synergistic cooperation to lead the alkyne C-H activation. *Journal of the American Chemical Society*, **2014**, 136, 16760-3	16.4	82
366	Palladium-catalyzed oxidative carbonylation of alkyl and aryl indium reagents with CO under mild conditions. *Journal of the American Chemical Society*, **2008**, 130, 9429-33	16.4	82
365	Palladium(II)-catalyzed tandem intramolecular aminopalladation of alkynes and conjugate addition. Synthesis of oxazolidinones, imidazolidinones, and lactams. *Organic Letters*, **2000**, 2, 2699-702	6.2	81
364	Direct oxidative esterification of alcohols. *Dalton Transactions*, **2014**, 43, 13460-70	4.3	80
363	Palladium-catalyzed aerobic oxidative carbonylation of arylboronate esters under mild conditions. *Angewandte Chemie - International Edition*, **2010**, 49, 3371-4	16.4	79
362	Asymmetric Hydrogenation of Pyridines: Enantioselective Synthesis of Nipecotic Acid Derivatives. *European Journal of Organic Chemistry*, **2006**, 2006, 4343-4347	3.2	79
361	Electrochemical oxidative oxysulfenylation and aminosulfenylation of alkenes with hydrogen evolution. *Science Advances*, **2018**, 4, eaat5312	14.3	78
360	Visible Light-Induced □-Alkoxynitrile Synthesis via Three- Component Alkoxycyanomethylation of Alkenes. *Advanced Synthesis and Catalysis*, **2014**, 356, 2873-2877	5.6	78
359	Electrooxidative para-selective C-H/N-H cross-coupling with hydrogen evolution to synthesize triarylamine derivatives. *Nature Communications*, **2019**, 10, 639	17.4	76
358	Preparation of novel beta-cyclodextrin chiral stationary phase based on click chemistry. *Journal of Chromatography A*, **2008**, 1191, 188-92	4.5	76
357	Visible-Light-Mediated Oxygenation Reactions using Molecular Oxygen. *Asian Journal of Organic Chemistry*, **2017**, 6, 386-396	3	75
356	Electrochemical oxidative C-H/N-H cross-coupling for C-N bond formation with hydrogen evolution. *Chemical Communications*, **2019**, 55, 1809-1812	5.8	72
355	Selective Oxidative [4+2] Imine/Alkene Annulation with H Liberation Induced by Photo-Oxidation. *Angewandte Chemie - International Edition*, **2018**, 57, 1286-1290	16.4	72
354	Electrochemical Oxidative Clean Halogenation Using HX/NaX with Hydrogen Evolution. *IScience*, **2019**, 12, 293-303	6.1	70
353	Labile Cu(I) catalyst/spectator Cu(II) species in copper-catalyzed C-C coupling reaction: operando IR, in situ XANES/EXAFS evidence and kinetic investigations. *Journal of the American Chemical Society*, **2013**, 135, 488-93	16.4	70
352	Efficient synthesis of chiral beta-arylisopropylamines by using catalytic asymmetric hydrogenation. *Angewandte Chemie - International Edition*, **2009**, 48, 800-2	16.4	70
351	Electrocatalytic intramolecular oxidative annulation of N-aryl enamines into substituted indoles mediated by iodides. *Chemical Communications*, **2017**, 53, 3354-3356	5.8	69
350	Direct electrochemical oxidation of alcohols with hydrogen evolution in continuous-flow reactor. *Nature Communications*, **2019**, 10, 2796	17.4	69

349	Nickel-catalyzed selective oxidative radical cross-coupling: an effective strategy for inert Csp3-H functionalization. *Organic Letters*, **2015**, 17, 998-1001	6.2	69
348	Revelation of the difference between arylzinc reagents prepared from aryl Grignard and aryllithium reagents respectively: kinetic and structural features. *Journal of the American Chemical Society*, **2009**, 131, 16656-7	16.4	69
347	Cobalt-Catalyzed Intramolecular Oxidative C(sp)-H/N-H Carbonylation of Aliphatic Amides. *Organic Letters*, **2017**, 19, 2170-2173	6.2	68
346	I□catalyzed oxidative C(sp□)-H/S-H coupling: utilizing alkanes and mercaptans as the nucleophiles. *Chemical Communications*, **2014**, 50, 14386-9	5.8	68
345	Nickel-catalyzed aromatic C-H alkylation with secondary or tertiary alkyl-bromine bonds for the construction of indolones. *Organic Letters*, **2013**, 15, 6166-9	6.2	68
344	Catalyst-free N-methylation of amines using CO. *Chemical Communications*, **2017**, 53, 1148-1151	5.8	67
343	Nickel-Catalyzed Heck-Type Alkenylation of Secondary and Tertiary □Carbonyl Alkyl Bromides. *Angewandte Chemie*, **2012**, 124, 3698-3701	3.6	65
342	Iron-Catalyzed Direct Arylation of Unactivated Arenes with Aryl Halides. *Angewandte Chemie*, **2010**, 122, 2048-2052	3.6	63
341	Radical-Radical Cross-Coupling for C-S Bond Formation. *Organic Letters*, **2016**, 18, 2351-4	6.2	63
340	Visible-light-mediated C2-amination of thiophenes by using DDQ as an organophotocatalyst. *Chemical Communications*, **2017**, 53, 3689-3692	5.8	62
339	X-ray absorption and EPR evidence for a single electron redox process in copper catalysis. *Chemical Science*, **2015**, 6, 4851-4854	9.4	60
338	NMP and O2 as Radical Initiator: Trifluoromethylation of Alkenes to Tertiary □Trifluoromethyl Alcohols at Room Temperature. *Organic Letters*, **2015**, 17, 6034-7	6.2	60
337	Exogenous-oxidant-free electrochemical oxidative C-H sulfonylation of arenes/heteroarenes with hydrogen evolution. *Chemical Communications*, **2018**, 54, 11471-11474	5.8	60
336	Visible-Light-Induced External Oxidant-Free Oxidative Phosphonylation of C(sp2)□ Bonds. *ACS Catalysis*, **2017**, 7, 7412-7416	13.1	59
335	Electrochemical Aminoselenation and Oxyselenation of Styrenes with Hydrogen Evolution. *Organic Letters*, **2019**, 21, 1297-1300	6.2	59
334	Synthesis of Pyrroles by Click Reaction: Silver-Catalyzed Cycloaddition of Terminal Alkynes with Isocyanides. *Angewandte Chemie*, **2013**, 125, 7096-7099	3.6	59
333	Visible-Light-Induced C(sp)-H Oxidative Arylation with Heteroarenes. *Organic Letters*, **2019**, 21, 2441-2444	6.2	58
332	Visible light mediated aerobic radical C□ phosphorization toward arylphosphonates. *Organic Chemistry Frontiers*, **2016**, 3, 749-752	5.2	58

331	Silver-mediated selective oxidative cross-coupling between C-H/P-H: a strategy to construct alkynyl(diaryl)phosphine oxide. *Organic Letters*, **2015**, 17, 118-21	6.2	57
330	Oxidative [4+2] annulation of styrenes with alkynes under external-oxidant-free conditions. *Nature Communications*, **2018**, 9, 1225	17.4	57
329	Palladium-catalysed aerobic oxidative Heck-type alkenylation of Csp3-H for pyrrole synthesis. *Chemical Communications*, **2013**, 49, 5853-5	5.8	57
328	Visible-Light-Mediated Anti-Markovnikov Hydration of Olefins. *ACS Catalysis*, **2017**, 7, 1432-1437	13.1	56
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325	Fe-Catalysed oxidative C-H/N-H coupling between aldehydes and simple amides. *Chemical Communications*, **2014**, 50, 4736-9	5.8	56
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