Stephen L Buchwald

List of Publications by Year
in descending order

251 papers	43,959 citations	1713 107 h-index	2402 204 g-index
268 all docs	268 docs citations	268 times ranked	22803 citing authors

#	Article	IF	Citations
1	Confronting the Challenging Asymmetric Carbonyl 1,2-Addition Using Vinyl Heteroarene Pronucleophiles: Ligand-Controlled Regiodivergent Processes through a Dearomatized Allylâ€“Cu Species. Journal of the American Chemical Society, 2022, 144, 5985-5995.	6.6	32
2	Palladium-Mediated Incorporation of Carboranes into Small Molecules, Peptides, and Proteins. Journal of the American Chemical Society, 2022, 144, 7852-7860.	6.6	10
3	Enantioselective Hydrocarbamoylation of Alkenes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
4	Palladium Mediated Synthesis of Proteinâ€“Polyarene Conjugates. Journal of the American Chemical Society, 2022, 144, 11706-11712.	6.6	4
5	Amphiphilic Biaryl Monophosphine Ligands by Regioselective Sulfonation. Organic Letters, 2021, 23, 777-780.	2.4	13
6	CuH-Catalyzed Regio- and Enantioselective Hydrocarboxylation of Allenes: Toward Carboxylic Acids with Acyclic Quaternary Centers. Journal of the American Chemical Society, 2021, 143, 4935-4941.	6.6	38
7	Enantioselective C2-Allylation of Benzimidazoles Using 1,3-Diene Pronucleophiles. Organic Letters, 2021, 23, 2153-2157.	2.4	14
8	Enantioselective Hydroalkenylation of Olefins with Enol Sulfonates Enabled by Dual Copper Hydride and Palladium Catalysis. Journal of the American Chemical Society, 2021, 143, 5330-5335.	6.6	23
9	Oligonucleotide Bioconjugation with Bifunctional Palladium Reagents. Angewandte Chemie - International Edition, 2021, 60, 12109-12115.	7.2	18
10	Oligonucleotide Bioconjugation with Bifunctional Palladium Reagents. Angewandte Chemie, 2021, 133, 12216-12222.	1.6	4
11	Selective Nâ€Arylation of p â€Aminophenylalanine in Unprotected Peptides with Organometallic Palladium Reagents. Angewandte Chemie, 2021, 133, 17065-17068.	1.6	3
12	Selective Nâ€Arylation of pâ€Aminophenylalanine in Unprotected Peptides with Organometallic Palladium Reagents. Angewandte Chemie - International Edition, 2021, 60, 16928-16931.	7.2	9
13	A Ligand Exchange Process for the Diversification of Palladium Oxidative Addition Complexes. Organic Letters, 2021, 23, 6030-6034.	2.4	4
14	Engineering Bioactive Dimeric Transcription Factor Analogs via Palladium Rebound Reagents. Journal of the American Chemical Society, 2021, 143, 11788-11798.	6.6	18
15	A Neophyl Palladacycle as an Air- and Thermally Stable Precursor to Oxidative Addition Complexes. Organic Letters, 2021, 23, 7927-7932.	2.4	6
16	A Dual CuH- and Pd-Catalyzed Stereoselective Synthesis of Highly Substituted 1,3-Dienes. Organic Letters, 2021, 23, 8816-8821.	2.4	11
17	Visible Light-Mediated (Hetero)aryl Amination Using Ni(II) Salts and Photoredox Catalysis in Flow: A Synthesis of Tetracaine. Journal of Organic Chemistry, 2020, 85, 3234-3244.	1.7	57
18	Diastereo- and Enantioselective CuH-Catalyzed Hydroamination of Strained Trisubstituted Alkenes. ACS Catalysis, 2020, 10, 282-291.	5.5	43

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19	Development of an Aryl Amination Catalyst with Broad Scope Guided by Consideration of Catalyst Stability. Journal of the American Chemical Society, 2020, 142, 15027-15037.	6.6	39
20	Palladiumâ€“Protein Oxidative Addition Complexes by Amine-Selective Acylation. Journal of the American Chemical Society, 2020, 142, 21237-21242.	6.6	16
21	Proteinâ€“Protein Cross-Coupling via Palladiumâ€“Protein Oxidative Addition Complexes from Cysteine Residues. Journal of the American Chemical Society, 2020, 142, 9124-9129.	6.6	47
22	Enantioselective Preparation of Arenes with Î²â€Stereogenic Centers: Confronting the 1,1â€Disubstituted Olefin Problem Using CuH/Pd Cooperative Catalysis. Angewandte Chemie - International Edition, 2020, 59, 16128-16132.	7.2	21
23	Synthesis of Pyrroles through the CuH-Catalyzed Coupling of Enynes and Nitriles. Journal of the American Chemical Society, 2020, 142, 9908-9914.	6.6	52
24	CuH-Catalyzed Olefin Functionalization: From Hydroamination to Carbonyl Addition. Accounts of Chemical Research, 2020, 53, 1229-1243.	7.6	233
25	Highly Enantioselective Synthesis of Indazoles with a C3-Quaternary Chiral Center Using CuH Catalysis. Journal of the American Chemical Society, 2020, 142, 10550-10556.	6.6	38
26	Evidence for Simultaneous Dearomatization of Two Aromatic Rings under Mild Conditions in Cu(I)-Catalyzed Direct Asymmetric Dearomatization of Pyridine. Journal of the American Chemical Society, 2020, 142, 11252-11269.	6.6	33
27	Enantioselective Preparation of Arenes with Î²â€Stereogenic Centers: Confronting the 1,1â€Disubstituted Olefin Problem Using CuH/Pd Cooperative Catalysis. Angewandte Chemie, 2020, 132, 16262-16266.	1.6	4
28	Improved Process for the Palladium-Catalyzed Câ€“O Cross-Coupling of Secondary Alcohols. Organic Letters, 2020, 22, 5369-5374.	2.4	31
29	Microfluidic electrochemistry for single-electron transfer redox-neutral reactions. Science, 2020, 368, 1352-1357.	6.0	194
30	Enantioselective Synthesis of Î²â€Amino Acid Derivatives Enabled by Ligandâ€Controlled Reversal of Hydrocupration Regiochemistry. Angewandte Chemie, 2020, 132, 21027-21031.	1.6	4
31	Enantioselective Synthesis of Î²â€Amino Acid Derivatives Enabled by Ligandâ€Controlled Reversal of Hydrocupration Regiochemistry. Angewandte Chemie - International Edition, 2020, 59, 20841-20845.	7.2	21
32	CuH-Catalyzed Asymmetric Reductive Amidation of Î±,Î²-Unsaturated Carboxylic Acids. Organic Letters, 2020, 22, 5666-5670.	2.4	14
33	The Quest for the Ideal Base: Rational Design of a Nickel Precatalyst Enables Mild, Homogeneous Câ€“N Cross-Coupling. Journal of the American Chemical Society, 2020, 142, 4500-4507.	6.6	77
34	In Praise of Basic Research as a Vehicle to Practical Applications: Palladiumâ€Catalyzed Coupling to Form Carbonâ€Nitrogen Bonds. Israel Journal of Chemistry, 2020, 60, 177-179.	1.0	11
35	Eric Jacobsen @60. Advanced Synthesis and Catalysis, 2020, 362, 287-288.	2.1	0
36	Copper Hydride Catalyzed Enantioselective Synthesis of Axially Chiral 1,3-Disubstituted Allenes. Journal of the American Chemical Society, 2019, 141, 13788-13794.	6.6	79

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37	Large Increase in External Quantum Efficiency by Dihedral Angle Tuning in a Skyâ€Blue Thermally Activated Delayed Fluorescence Emitter. Advanced Optical Materials, 2019, 7, 1900476.	3.6	25
38	Use of a Droplet Platform To Optimize Pd-Catalyzed Câ€“N Coupling Reactions Promoted by Organic Bases. Organic Process Research and Development, 2019, 23, 1594-1601.	1.3	50
39	Asymmetric Synthesis of Î³-Amino Alcohols by Copper-Catalyzed Hydroamination. Organic Letters, 2019, 21, 8736-8739.	2.4	21
40	Engaging Aldehydes in CuHâ€Catalyzed Reductive Coupling Reactions: Stereoselective Allylation with Unactivated 1,3â€Diene Pronucleophiles. Angewandte Chemie - International Edition, 2019, 58, 17074-17080.	7.2	65
41	Enantioselective Olefin Hydrocyanation without Cyanide. Journal of the American Chemical Society, 2019, 141, 18668-18672.	6.6	45
42	Engaging Aldehydes in CuHâ€Catalyzed Reductive Coupling Reactions: Stereoselective Allylation with Unactivated 1,3â€Diene Pronucleophiles. Angewandte Chemie, 2019, 131, 17230-17236.	1.6	11
43	Unexpected Formation of Hexasubstituted Arenes through a 2-fold Palladium-Mediated Ligand Arylation. Journal of Organic Chemistry, 2019, 84, 12672-12679.	1.7	3
44	Synthesis of (MeCN)₂Pd(CF₃)OTs, a General Precursor to Palladium(II) Trifluoromethyl Complexes LPd(CF₃)X. Organometallics, 2019, 38, 3490-3493.	1.1	1
45	Catalytic Asymmetric Synthesis of Î±â€Arylpyrrolidines and Benzoâ€fused Nitrogen Heterocycles. Angewandte Chemie, 2019, 131, 3445-3449.	1.6	7
46	Enantioselective Allylation Using Allene, a Petroleum Cracking Byproduct. Journal of the American Chemical Society, 2019, 141, 2251-2256.	6.6	95
47	CuH-Catalyzed Enantioselective Alkylation of Indole Derivatives with Ligand-Controlled Regiodivergence. Journal of the American Chemical Society, 2019, 141, 3901-3909.	6.6	111
48	Pharmaceutical diversification via palladium oxidative addition complexes. Science, 2019, 363, 405-408.	6.0	112
49	Monophosphine Ligands Promote Pd-Catalyzed Câ€“S Cross-Coupling Reactions at Room Temperature with Soluble Bases. ACS Catalysis, 2019, 9, 6461-6466.	5.5	55
50	Biaryl monophosphine ligands in palladium-catalyzed Câ€“N coupling: An updated User's guide. Tetrahedron, 2019, 75, 4199-4211.	1.0	149
51	Regio- and Enantioselective Synthesis of 1,2-Diamine Derivatives by Copper-Catalyzed Hydroamination. Organic Letters, 2019, 21, 4370-4373.	2.4	40
52	Pd-Catalyzed Câ€“N Coupling Reactions Facilitated by Organic Bases: Mechanistic Investigation Leads to Enhanced Reactivity in the Arylation of Weakly Binding Amines. ACS Catalysis, 2019, 9, 3822-3830.	5.5	63
53	CuH-Catalyzed Enantioselective Ketone Allylation with 1,3-Dienes: Scope, Mechanism, and Applications. Journal of the American Chemical Society, 2019, 141, 5062-5070.	6.6	151
54	Arylation Chemistry for Bioconjugation. Angewandte Chemie - International Edition, 2019, 58, 4810-4839.	7.2	169

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55	Arylierungschemie fÃ¼r die Biokonjugation. Angewandte Chemie, 2019, 131, 4860-4892.	1.6	39
56	Catalytic Asymmetric Synthesis of Î±â€Arylpyrrolidines and Benzoâ€fused Nitrogen Heterocycles. Angewandte Chemie - International Edition, 2019, 58, 3407-3411.	7.2	43
57	A chemoselective strategy for late-stage functionalization of complex small molecules with polypeptides and proteins. Nature Chemistry, 2019, 11, 78-85.	6.6	75
58	Palladium-Catalyzed Câ€“O Cross-Coupling of Primary Alcohols. Organic Letters, 2018, 20, 1580-1583.	2.4	87
59	CuHâ€Catalyzed Asymmetric Hydroamidation of Vinylarenes. Angewandte Chemie - International Edition, 2018, 57, 6672-6675.	7.2	73
60	Palladium Oxidative Addition Complexes for Peptide and Protein Cross-linking. Journal of the American Chemical Society, 2018, 140, 3128-3133.	6.6	93
61	Molecular Design of Deep Blue Thermally Activated Delayed Fluorescence Materials Employing a Homoconjugative Triptycene Scaffold and Dihedral Angle Tuning. Chemistry of Materials, 2018, 30, 1462-1466.	3.2	71
62	A Regio- and Enantioselective CuH-Catalyzed Ketone Allylation with Terminal Allenes. Journal of the American Chemical Society, 2018, 140, 2007-2011.	6.6	109
63	Mechanistic Insight Facilitates Discovery of a Mild and Efficient Copper-Catalyzed Dehydration of Primary Amides to Nitriles Using Hydrosilanes. Journal of the American Chemical Society, 2018, 140, 1627-1631.	6.6	62
64	CuH-Catalyzed Asymmetric Reduction of Î±,Î²-Unsaturated Carboxylic Acids to Î²-Chiral Aldehydes. Journal of the American Chemical Society, 2018, 140, 606-609.	6.6	45
65	Asymmetric Cu-Catalyzed 1,4-Dearomatization of Pyridines and Pyridazines without Preactivation of the Heterocycle or Nucleophile. Journal of the American Chemical Society, 2018, 140, 5057-5060.	6.6	123
66	Breaking the Base Barrier: An Electron-Deficient Palladium Catalyst Enables the Use of a Common Soluble Base in Câ€“N Coupling. Journal of the American Chemical Society, 2018, 140, 4721-4725.	6.6	130
67	Mechanistically Guided Design of Ligands That Significantly Improve the Efficiency of CuH-Catalyzed Hydroamination Reactions. Journal of the American Chemical Society, 2018, 140, 13976-13984.	6.6	101
68	A Practical Electrophilic Nitrogen Source for the Synthesis of Chiral Primary Amines by Copper-Catalyzed Hydroamination. Journal of the American Chemical Society, 2018, 140, 15976-15984.	6.6	71
69	Addendum: Copper-catalysed enantioselective stereodivergent synthesis of amino alcohols. Nature, 2018, 559, E3-E3.	13.7	0
70	A Modified System for the Synthesis of Enantioenriched N â€Arylamines through Copperâ€Catalyzed Hydroamination. Angewandte Chemie, 2018, 130, 8850-8854.	1.6	19
71	Catalytic Arylhydroxylation of Dehydroalanine in Continuous Flow for Simple Access to Unnatural Amino Acids. Chemistry - A European Journal, 2018, 24, 15215-15218.	1.7	15
72	A Modified System for the Synthesis of Enantioenriched Nâ€Arylamines through Copperâ€Catalyzed Hydroamination. Angewandte Chemie - International Edition, 2018, 57, 8714-8718.	7.2	63

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73	CuHâ€Catalyzed Asymmetric Hydroamidation of Vinylarenes. Angewandte Chemie, 2018, 130, 6782-6785.	1.6	14
74	Copper-Catalyzed Enantioselective Hydroamination of Alkenes. Organic Syntheses, 2018, 95, 80-96.	1.0	12
75	Asymmetric Copper Hydride-Catalyzed Markovnikov Hydrosilylation of Vinylarenes and Vinyl Heterocycles. Journal of the American Chemical Society, 2017, 139, 2192-2195.	6.6	145
76	Palladiumâ€Mediated Arylation of Lysine in Unprotected Peptides. Angewandte Chemie, 2017, 129, 3225-3229.	1.6	38
77	Palladiumâ€Mediated Arylation of Lysine in Unprotected Peptides. Angewandte Chemie - International Edition, 2017, 56, 3177-3181.	7.2	109
78	Oxidative Addition Complexes as Precatalysts for Cross-Coupling Reactions Requiring Extremely Bulky Biarylphosphine Ligands. Organic Letters, 2017, 19, 2853-2856.	2.4	62
79	Direct ¹¹CN-Labeling of Unprotected Peptides via Palladium-Mediated Sequential Cross-Coupling Reactions. Journal of the American Chemical Society, 2017, 139, 7152-7155.	6.6	65
80	A Dual Palladium and Copper Hydride Catalyzed Approach for Alkylâ€“Aryl Crossâ€Coupling of Aryl Halides and Olefins. Angewandte Chemie - International Edition, 2017, 56, 7242-7246.	7.2	100
81	A Dual Palladium and Copper Hydride Catalyzed Approach for Alkylâ€“Aryl Crossâ€Coupling of Aryl Halides and Olefins. Angewandte Chemie, 2017, 129, 7348-7352.	1.6	36
82	CuH-Catalyzed Regioselective Intramolecular Hydroamination for the Synthesis of Alkyl-Substituted Chiral Aziridines. Journal of the American Chemical Society, 2017, 139, 8428-8431.	6.6	77
83	Enantioselective CuH-Catalyzed Hydroacylation Employing Unsaturated Carboxylic Acids as Aldehyde Surrogates. Journal of the American Chemical Society, 2017, 139, 8126-8129.	6.6	82
84	Mechanistic Insight Leads to a Ligand Which Facilitates the Palladiumâ€Catalyzed Formation of 2â€(Hetero)Arylaminooxazoles and 4â€(Hetero)Arylaminothiazoles. Angewandte Chemie - International Edition, 2017, 56, 10569-10572.	7.2	47
85	Divergent unprotected peptide macrocyclisation by palladium-mediated cysteine arylation. Chemical Science, 2017, 8, 4257-4263.	3.7	98
86	Ligandâ€“Substrate Dispersion Facilitates the Copper-Catalyzed Hydroamination of Unactivated Olefins. Journal of the American Chemical Society, 2017, 139, 16548-16555.	6.6	189
87	Mechanistic Insight Leads to a Ligand Which Facilitates the Palladiumâ€Catalyzed Formation of 2â€(Hetero)Arylaminooxazoles and 4â€(Hetero)Arylaminothiazoles. Angewandte Chemie, 2017, 129, 10705-10708.	1.6	4
88	Palladium-Catalyzed Negishi Coupling of Î±-CF₃ Oxiranyl Zincate: Access to Chiral CF₃-Substituted Benzylic Tertiary Alcohols. Journal of the American Chemical Society, 2017, 139, 11590-11594.	6.6	36
89	Water-Soluble Palladium Reagents for Cysteine S-Arylation under Ambient Aqueous Conditions. Organic Letters, 2017, 19, 4263-4266.	2.4	76
90	An Improved System for the Aqueous Lipshutzâ€“Negishi Crossâ€Coupling of Alkyl Halides with Aryl Electrophiles. Angewandte Chemie - International Edition, 2016, 55, 1849-1853.	7.2	77

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91	Use of a â€œCatalyticâ€•Cosolvent, N,Nâ€Dimethyl Octanamide, Allows the Flow Synthesis of Imatinib with no Solvent Switch. Angewandte Chemie - International Edition, 2016, 55, 2531-2535.	7.2	52
92	Enantioselective CuH-Catalyzed Hydroallylation of Vinylarenes. Journal of the American Chemical Society, 2016, 138, 5024-5027.	6.6	87
93	Copper Hydride Catalyzed Hydroamination of Alkenes and Alkynes. Angewandte Chemie - International Edition, 2016, 55, 48-57.	7.2	447
94	Regioselective 2-Amination of Polychloropyrimidines. Organic Letters, 2016, 18, 2180-2183.	2.4	26
95	Enantioselective CuH-Catalyzed Reductive Coupling of Aryl Alkenes and Activated Carboxylic Acids. Journal of the American Chemical Society, 2016, 138, 5821-5824.	6.6	96
96	Applications of Palladium-Catalyzed Câ€“N Cross-Coupling Reactions. Chemical Reviews, 2016, 116, 12564-12649.	23.0	1,989
97	Regiodivergent and Diastereoselective CuHâ€Catalyzed Allylation of Imines with Terminal Allenes. Angewandte Chemie - International Edition, 2016, 55, 14077-14080.	7.2	95
98	The Evolution of Pd⁰/Pd^{II}-Catalyzed Aromatic Fluorination. Accounts of Chemical Research, 2016, 49, 2146-2157.	7.6	133
99	Development of a Method for the N-Arylation of Amino Acid Esters with Aryl Triflates. Organic Letters, 2016, 18, 4128-4131.	2.4	61
100	Palladiumâ€Catalyzed Nâ€Arylation of Iminodibenzyls and Iminostilbenes with Arylâ€•and Heteroaryl Halides. Chemistry - A European Journal, 2016, 22, 14186-14189.	1.7	26
101	Continuousâ€Flow Synthesis of Biaryls by Negishi Crossâ€Coupling of Fluoroâ€•and Trifluoromethylâ€Substituted (Hetero)arenes. Angewandte Chemie, 2016, 128, 10619-10623.	1.6	17
102	Rapid Synthesis of Aryl Fluorides in Continuous Flow through the Balzâ€“Schiemann Reaction. Angewandte Chemie - International Edition, 2016, 55, 11907-11911.	7.2	32
103	Biaryl Phosphine Based Pd(II) Amido Complexes: The Effect of Ligand Structure on Reductive Elimination. Journal of the American Chemical Society, 2016, 138, 12486-12493.	6.6	87
104	A Fungal-Selective Cytochrome bc1 Inhibitor Impairs Virulence and Prevents the Evolution of Drug Resistance. Cell Chemical Biology, 2016, 23, 978-991.	2.5	52
105	Continuousâ€Flow Synthesis of Biaryls by Negishi Crossâ€Coupling of Fluoroâ€•and Trifluoromethylâ€Substituted (Hetero)arenes. Angewandte Chemie - International Edition, 2016, 55, 10463-10467.	7.2	56
106	Copper-Catalyzed Enantioselective Addition of Styrene-Derived Nucleophiles to Imines Enabled by Ligand-Controlled Chemoselective Hydrocupration. Journal of the American Chemical Society, 2016, 138, 9787-9790.	6.6	108
107	Regiodivergent and Diastereoselective CuHâ€Catalyzed Allylation of Imines with Terminal Allenes. Angewandte Chemie, 2016, 128, 14283-14286.	1.6	18
108	Palladiumâ€Catalyzed Fluorination of Cyclic Vinyl Triflates: Effect of TESCF₃ as an Additive. Angewandte Chemie - International Edition, 2016, 55, 15559-15563.	7.2	24

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109	Palladiumâ€Catalyzed Fluorination of Cyclic Vinyl Triflates: Effect of TESCF₃ as an Additive. Angewandte Chemie, 2016, 128, 15788-15792.	1.6	6
110	Suzukiâ€“Miyaura cross-coupling optimization enabled by automated feedback. Reaction Chemistry and Engineering, 2016, 1, 658-666.	1.9	125
111	Use of a â€œCatalyticâ€•Cosolvent, N,Nâ€Dimethyl Octanamide, Allows the Flow Synthesis of Imatinib with no Solvent Switch. Angewandte Chemie, 2016, 128, 2577-2581.	1.6	17
112	Copper-catalyzed asymmetric addition of olefin-derived nucleophiles to ketones. Science, 2016, 353, 144-150.	6.0	227
113	Asymmetric Hydroarylation of Vinylarenes Using a Synergistic Combination of CuH and Pd Catalysis. Journal of the American Chemical Society, 2016, 138, 8372-8375.	6.6	212
114	Aryl amination using ligand-free Ni(II) salts and photoredox catalysis. Science, 2016, 353, 279-283.	6.0	472
115	An Improved System for the Aqueous Lipshutzâ€“Negishi Crossâ€Coupling of Alkyl Halides with Aryl Electrophiles. Angewandte Chemie, 2016, 128, 1881-1885.	1.6	17
116	Copper-catalysed enantioselective stereodivergent synthesis of amino alcohols. Nature, 2016, 532, 353-356.	13.7	227
117	A direct approach to amines with remote stereocentres by enantioselective CuH-catalysed reductive relay hydroamination. Nature Chemistry, 2016, 8, 144-150.	6.6	109
118	Design of New Ligands for the Palladiumâ€Catalyzed Arylation of Î±â€Branched Secondary Amines. Angewandte Chemie - International Edition, 2015, 54, 8259-8262.	7.2	83
119	Mild Palladium-Catalyzed Cyanation of (Hetero)aryl Halides and Triflates in Aqueous Media. Organic Letters, 2015, 17, 202-205.	2.4	110
120	Rational Ligand Design for the Arylation of Hindered Primary Amines Guided by Reaction Progress Kinetic Analysis. Journal of the American Chemical Society, 2015, 137, 3085-3092.	6.6	129
121	Virtually Instantaneous, Room-Temperature [¹¹C]-Cyanation Using Biaryl Phosphine Pd(0) Complexes. Journal of the American Chemical Society, 2015, 137, 648-651.	6.6	68
122	Synthesis of Heteroaryl Sulfonamides from Organozinc Reagents and 2,4,6-Trichlorophenyl Chlorosulfate. Organic Letters, 2015, 17, 3170-3173.	2.4	8
123	An Umpolung Approach for the Chemoselective Arylation of Selenocysteine in Unprotected Peptides. Journal of the American Chemical Society, 2015, 137, 9784-9787.	6.6	65
124	Enantioselective Synthesis of Carbo- and Heterocycles through a CuH-Catalyzed Hydroalkylation Approach. Journal of the American Chemical Society, 2015, 137, 10524-10527.	6.6	118
125	Design of Modified Amine Transfer Reagents Allows the Synthesis of Î±-Chiral Secondary Amines via CuH-Catalyzed Hydroamination. Journal of the American Chemical Society, 2015, 137, 9716-9721.	6.6	123
126	Versatile Enantioselective Synthesis of Functionalized Lactones via Copper-Catalyzed Radical Oxyfunctionalization of Alkenes. Journal of the American Chemical Society, 2015, 137, 8069-8077.	6.6	264

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127	Catalytic asymmetric hydroamination of unactivated internal olefins to aliphatic amines. Science, 2015, 349, 62-66.	6.0	316
128	Highly Diastereo- and Enantioselective CuH-Catalyzed Synthesis of 2,3-Disubstituted Indolines. Journal of the American Chemical Society, 2015, 137, 4666-4669.	6.6	124
129	A Fluorinated Ligand Enables Room-Temperature and Regioselective Pd-Catalyzed Fluorination of Aryl Triflates and Bromides. Journal of the American Chemical Society, 2015, 137, 13433-13438.	6.6	98
130	Mechanistic Studies Lead to Dramatically Improved Reaction Conditions for the Cu-Catalyzed Asymmetric Hydroamination of Olefins. Journal of the American Chemical Society, 2015, 137, 14812-14818.	6.6	112
131	Organometallic palladium reagents for cysteine bioconjugation. Nature, 2015, 526, 687-691.	13.7	377
132	Dosage delivery of sensitive reagents enables glove-box-free synthesis. Nature, 2015, 524, 208-211.	13.7	72
133	In-Depth Assessment of the Palladium-Catalyzed Fluorination of Five-Membered Heteroaryl Bromides. Organometallics, 2015, 34, 4775-4780.	1.1	41
134	Copper-catalysed selective hydroamination reactions of alkynes. Nature Chemistry, 2015, 7, 38-44.	6.6	213
135	Enantioselective Synthesis of Î±â€Aminosilanes by Copperâ€Catalyzed Hydroamination of Vinylsilanes. Angewandte Chemie - International Edition, 2015, 54, 1638-1641.	7.2	133
136	N-Substituted 2-Aminobiphenylpalladium Methanesulfonate Precatalysts and Their Use in Câ€“C and Câ€“N Cross-Couplings. Journal of Organic Chemistry, 2014, 79, 4161-4166.	1.7	189
137	Enantioselective CuH-Catalyzed Anti-Markovnikov Hydroamination of 1,1-Disubstituted Alkenes. Journal of the American Chemical Society, 2014, 136, 15913-15916.	6.6	201
138	Structure and reactivity of [(LÂ·Pd) n Â·(1,5-cyclooctadiene)] (n = 1â€“2) complexes bearing biaryl phosphine ligands. Inorganica Chimica Acta, 2014, 422, 188-192.	1.2	30
139	Pd-Catalyzed Nucleophilic Fluorination of Aryl Bromides. Journal of the American Chemical Society, 2014, 136, 3792-3795.	6.6	149
140	Palladium-Catalyzed Hydroxylation of Aryl and Heteroaryl Halides Enabled by the Use of a Palladacycle Precatalyst. Journal of Organic Chemistry, 2014, 79, 5351-5358.	1.7	63
141	Suzuki-Miyaura Cross-Coupling of Unprotected, Nitrogen-Rich Heterocycles: Substrate Scope and Mechanistic Investigation. Journal of the American Chemical Society, 2013, 135, 12877-12885.	6.6	197
142	Mild and General Palladium-Catalyzed Synthesis of Methyl Aryl Ethers Enabled by the Use of a Palladacycle Precatalyst. Organic Letters, 2013, 15, 3998-4001.	2.4	91
143	Enantio- and Regioselective CuH-Catalyzed Hydroamination of Alkenes. Journal of the American Chemical Society, 2013, 135, 15746-15749.	6.6	377
144	An Improved Catalyst System for the Pd-Catalyzed Fluorination of (Hetero)Aryl Triflates. Organic Letters, 2013, 15, 5602-5605.	2.4	124

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145	Synthesis of Solid 2-Pyridylzinc Reagents and Their Application in Negishi Reactions. Organic Letters, 2013, 15, 5754-5757.	2.4	74
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