

Stephen L Buchwald

List of Publications by Year in descending order

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251
papers

43,959
citations

1463

107
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2078

204
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268
all docs

268
docs citations

268
times ranked

20754
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 Allyl σ -Cu Species. <i>Journal of the American Chemical Society</i> , 2022, 144, 5985-5995.	13.7	32
2	Palladium-Mediated Incorporation of Carboranes into Small Molecules, Peptides, and Proteins. <i>Journal of the American Chemical Society</i> , 2022, 144, 7852-7860.	13.7	10
3	Enantioselective Hydrocarbamoylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
4	Palladium Mediated Synthesis of Protein σ -Polyarene Conjugates. <i>Journal of the American Chemical Society</i> , 2022, 144, 11706-11712.	13.7	4
5	Amphiphilic Biaryl Monophosphine Ligands by Regioselective Sulfonation. <i>Organic Letters</i> , 2021, 23, 777-780.	4.6	13
6	CuH-Catalyzed Regio- and Enantioselective Hydrocarboxylation of Allenes: Toward Carboxylic Acids with Acyclic Quaternary Centers. <i>Journal of the American Chemical Society</i> , 2021, 143, 4935-4941.	13.7	38
7	Enantioselective C2-Allylation of Benzimidazoles Using 1,3-Diene Pronucleophiles. <i>Organic Letters</i> , 2021, 23, 2153-2157.	4.6	14
8	Enantioselective Hydroalkenylation of Olefins with Enol Sulfonates Enabled by Dual Copper Hydride and Palladium Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 5330-5335.	13.7	23
9	Oligonucleotide Bioconjugation with Bifunctional Palladium Reagents. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12109-12115.	13.8	18
10	Oligonucleotide Bioconjugation with Bifunctional Palladium Reagents. <i>Angewandte Chemie</i> , 2021, 133, 12216-12222.	2.0	4
11	Selective N σ -Arylation of p σ -Aminophenylalanine in Unprotected Peptides with Organometallic Palladium Reagents. <i>Angewandte Chemie</i> , 2021, 133, 17065-17068.	2.0	3
12	Selective N σ -Arylation of p σ -Aminophenylalanine in Unprotected Peptides with Organometallic Palladium Reagents. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16928-16931.	13.8	9
13	A Ligand Exchange Process for the Diversification of Palladium Oxidative Addition Complexes. <i>Organic Letters</i> , 2021, 23, 6030-6034.	4.6	4
14	Engineering Bioactive Dimeric Transcription Factor Analogs via Palladium Rebound Reagents. <i>Journal of the American Chemical Society</i> , 2021, 143, 11788-11798.	13.7	18
15	A Neophyl Palladacycle as an Air- and Thermally Stable Precursor to Oxidative Addition Complexes. <i>Organic Letters</i> , 2021, 23, 7927-7932.	4.6	6
16	A Dual CuH- and Pd-Catalyzed Stereoselective Synthesis of Highly Substituted 1,3-Dienes. <i>Organic Letters</i> , 2021, 23, 8816-8821.	4.6	11
17	Visible Light-Mediated (Hetero)aryl Amination Using Ni(II) Salts and Photoredox Catalysis in Flow: A Synthesis of Tetracaine. <i>Journal of Organic Chemistry</i> , 2020, 85, 3234-3244.	3.2	57
18	Diastereo- and Enantioselective CuH-Catalyzed Hydroamination of Strained Trisubstituted Alkenes. <i>ACS Catalysis</i> , 2020, 10, 282-291.	11.2	43

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19	Development of an Aryl Amination Catalyst with Broad Scope Guided by Consideration of Catalyst Stability. <i>Journal of the American Chemical Society</i> , 2020, 142, 15027-15037.	13.7	39
20	Palladium-Protein Oxidative Addition Complexes by Amine-Selective Acylation. <i>Journal of the American Chemical Society</i> , 2020, 142, 21237-21242.	13.7	16
21	Protein-Protein Cross-Coupling via Palladium-Protein Oxidative Addition Complexes from Cysteine Residues. <i>Journal of the American Chemical Society</i> , 2020, 142, 9124-9129.	13.7	47
22	Enantioselective Preparation of Arenes with $\hat{1}$ -Stereogenic Centers: Confronting the 1,1-Disubstituted Olefin Problem Using CuH/Pd Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16128-16132.	13.8	21
23	Synthesis of Pyrroles through the CuH-Catalyzed Coupling of Enynes and Nitriles. <i>Journal of the American Chemical Society</i> , 2020, 142, 9908-9914.	13.7	52
24	CuH-Catalyzed Olefin Functionalization: From Hydroamination to Carbonyl Addition. <i>Accounts of Chemical Research</i> , 2020, 53, 1229-1243.	15.6	233
25	Highly Enantioselective Synthesis of Indazoles with a C3-Quaternary Chiral Center Using CuH Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 10550-10556.	13.7	38
26	Evidence for Simultaneous Dearomatization of Two Aromatic Rings under Mild Conditions in Cu(I)-Catalyzed Direct Asymmetric Dearomatization of Pyridine. <i>Journal of the American Chemical Society</i> , 2020, 142, 11252-11269.	13.7	33
27	Enantioselective Preparation of Arenes with $\hat{1}$ -Stereogenic Centers: Confronting the 1,1-Disubstituted Olefin Problem Using CuH/Pd Cooperative Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 16262-16266.	2.0	4
28	Improved Process for the Palladium-Catalyzed C-O Cross-Coupling of Secondary Alcohols. <i>Organic Letters</i> , 2020, 22, 5369-5374.	4.6	31
29	Microfluidic electrochemistry for single-electron transfer redox-neutral reactions. <i>Science</i> , 2020, 368, 1352-1357.	12.6	194
30	Enantioselective Synthesis of $\hat{2}$ -Amino Acid Derivatives Enabled by Ligand-Controlled Reversal of Hydrocupration Regiochemistry. <i>Angewandte Chemie</i> , 2020, 132, 21027-21031.	2.0	4
31	Enantioselective Synthesis of $\hat{2}$ -Amino Acid Derivatives Enabled by Ligand-Controlled Reversal of Hydrocupration Regiochemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20841-20845.	13.8	21
32	CuH-Catalyzed Asymmetric Reductive Amidation of $\hat{1},\hat{2}$ -Unsaturated Carboxylic Acids. <i>Organic Letters</i> , 2020, 22, 5666-5670.	4.6	14
33	The Quest for the Ideal Base: Rational Design of a Nickel Precatalyst Enables Mild, Homogeneous C-N Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2020, 142, 4500-4507.	13.7	77
34	In Praise of Basic Research as a Vehicle to Practical Applications: Palladium-Catalyzed Coupling to Form Carbon-Nitrogen Bonds. <i>Israel Journal of Chemistry</i> , 2020, 60, 177-179.	2.3	11
35	Eric Jacobsen @60. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 287-288.	4.3	0
36	Copper Hydride Catalyzed Enantioselective Synthesis of Axially Chiral 1,3-Disubstituted Allenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 13788-13794.	13.7	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. <i>Advanced Optical Materials</i> , 2019, 7, 1900476.	7.3	25
38	Use of a Droplet Platform To Optimize Pd-Catalyzed Câ€N Coupling Reactions Promoted by Organic Bases. <i>Organic Process Research and Development</i> , 2019, 23, 1594-1601.	2.7	50
39	Asymmetric Synthesis of Î³-Amino Alcohols by Copper-Catalyzed Hydroamination. <i>Organic Letters</i> , 2019, 21, 8736-8739.	4.6	21
40	Engaging Aldehydes in CuHâ€Catalyzed Reductive Coupling Reactions: Stereoselective Allylation with Unactivated 1,3â€Diene Pronucleophiles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17074-17080.	13.8	65
41	Enantioselective Olefin Hydrocyanation without Cyanide. <i>Journal of the American Chemical Society</i> , 2019, 141, 18668-18672.	13.7	45
42	Engaging Aldehydes in CuHâ€Catalyzed Reductive Coupling Reactions: Stereoselective Allylation with Unactivated 1,3â€Diene Pronucleophiles. <i>Angewandte Chemie</i> , 2019, 131, 17230-17236.	2.0	11
43	Unexpected Formation of Hexasubstituted Arenes through a 2-fold Palladium-Mediated Ligand Arylation. <i>Journal of Organic Chemistry</i> , 2019, 84, 12672-12679.	3.2	3
44	Synthesis of (MeCN) ₂ Pd(CF ₃) ₃ OTs, a General Precursor to Palladium(II) Trifluoromethyl Complexes LPd(CF ₃) ₃ X. <i>Organometallics</i> , 2019, 38, 3490-3493.	2.3	1
45	Catalytic Asymmetric Synthesis of Î±â€Arylpyrrolidines and Benzoâ€fused Nitrogen Heterocycles. <i>Angewandte Chemie</i> , 2019, 131, 3445-3449.	2.0	7
46	Enantioselective Allylation Using Allene, a Petroleum Cracking Byproduct. <i>Journal of the American Chemical Society</i> , 2019, 141, 2251-2256.	13.7	95
47	CuH-Catalyzed Enantioselective Alkylation of Indole Derivatives with Ligand-Controlled Regiodivergence. <i>Journal of the American Chemical Society</i> , 2019, 141, 3901-3909.	13.7	111
48	Pharmaceutical diversification via palladium oxidative addition complexes. <i>Science</i> , 2019, 363, 405-408.	12.6	112
49	Monophosphine Ligands Promote Pd-Catalyzed Câ€S Cross-Coupling Reactions at Room Temperature with Soluble Bases. <i>ACS Catalysis</i> , 2019, 9, 6461-6466.	11.2	55
50	Biaryl monophosphine ligands in palladium-catalyzed Câ€N coupling: An updated User's guide. <i>Tetrahedron</i> , 2019, 75, 4199-4211.	1.9	149
51	Regio- and Enantioselective Synthesis of 1,2-Diamine Derivatives by Copper-Catalyzed Hydroamination. <i>Organic Letters</i> , 2019, 21, 4370-4373.	4.6	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. <i>ACS Catalysis</i> , 2019, 9, 3822-3830.	11.2	63
53	CuH-Catalyzed Enantioselective Ketone Allylation with 1,3-Dienes: Scope, Mechanism, and Applications. <i>Journal of the American Chemical Society</i> , 2019, 141, 5062-5070.	13.7	151
54	Arylation Chemistry for Bioconjugation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4810-4839.	13.8	169

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55	Arylierungschemie für die Biokonjugation. <i>Angewandte Chemie</i> , 2019, 131, 4860-4892.	2.0	39
56	Catalytic Asymmetric Synthesis of β -Arylpyrrolidines and Benzo-fused Nitrogen Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3407-3411.	13.8	43
57	A chemoselective strategy for late-stage functionalization of complex small molecules with polypeptides and proteins. <i>Nature Chemistry</i> , 2019, 11, 78-85.	13.6	75
58	Palladium-Catalyzed C=O Cross-Coupling of Primary Alcohols. <i>Organic Letters</i> , 2018, 20, 1580-1583.	4.6	87
59	Cu-Catalyzed Asymmetric Hydroamidation of Vinylarenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6672-6675.	13.8	73
60	Palladium Oxidative Addition Complexes for Peptide and Protein Cross-linking. <i>Journal of the American Chemical Society</i> , 2018, 140, 3128-3133.	13.7	93
61	Molecular Design of Deep Blue Thermally Activated Delayed Fluorescence Materials Employing a Homoconjugative Triptycene Scaffold and Dihedral Angle Tuning. <i>Chemistry of Materials</i> , 2018, 30, 1462-1466.	6.7	71
62	A Regio- and Enantioselective CuH-Catalyzed Ketone Allylation with Terminal Allenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 2007-2011.	13.7	109
63	Mechanistic Insight Facilitates Discovery of a Mild and Efficient Copper-Catalyzed Dehydration of Primary Amides to Nitriles Using Hydrosilanes. <i>Journal of the American Chemical Society</i> , 2018, 140, 1627-1631.	13.7	62
64	CuH-Catalyzed Asymmetric Reduction of β,β -Unsaturated Carboxylic Acids to β -Chiral Aldehydes. <i>Journal of the American Chemical Society</i> , 2018, 140, 606-609.	13.7	45
65	Asymmetric Cu-Catalyzed 1,4-Deaomatization of Pyridines and Pyridazines without Preactivation of the Heterocycle or Nucleophile. <i>Journal of the American Chemical Society</i> , 2018, 140, 5057-5060.	13.7	123
66	Breaking the Base Barrier: An Electron-Deficient Palladium Catalyst Enables the Use of a Common Soluble Base in C=N Coupling. <i>Journal of the American Chemical Society</i> , 2018, 140, 4721-4725.	13.7	130
67	Mechanistically Guided Design of Ligands That Significantly Improve the Efficiency of CuH-Catalyzed Hydroamination Reactions. <i>Journal of the American Chemical Society</i> , 2018, 140, 13976-13984.	13.7	101
68	A Practical Electrophilic Nitrogen Source for the Synthesis of Chiral Primary Amines by Copper-Catalyzed Hydroamination. <i>Journal of the American Chemical Society</i> , 2018, 140, 15976-15984.	13.7	71
69	Addendum: Copper-catalysed enantioselective stereodivergent synthesis of amino alcohols. <i>Nature</i> , 2018, 559, E3-E3.	27.8	0
70	A Modified System for the Synthesis of Enantioenriched N-Arylamines through Copper-Catalyzed Hydroamination. <i>Angewandte Chemie</i> , 2018, 130, 8850-8854.	2.0	19
71	Catalytic Arylhydroxylation of Dehydroalanine in Continuous Flow for Simple Access to Unnatural Amino Acids. <i>Chemistry - A European Journal</i> , 2018, 24, 15215-15218.	3.3	15
72	A Modified System for the Synthesis of Enantioenriched N-Arylamines through Copper-Catalyzed Hydroamination. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8714-8718.	13.8	63

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73	CuH-Catalyzed Asymmetric Hydroamidation of Vinylarenes. <i>Angewandte Chemie</i> , 2018, 130, 6782-6785.	2.0	14
74	Copper-Catalyzed Enantioselective Hydroamination of Alkenes. <i>Organic Syntheses</i> , 2018, 95, 80-96.	1.0	12
75	Asymmetric Copper Hydride-Catalyzed Markovnikov Hydrosilylation of Vinylarenes and Vinyl Heterocycles. <i>Journal of the American Chemical Society</i> , 2017, 139, 2192-2195.	13.7	145
76	Palladium-Mediated Arylation of Lysine in Unprotected Peptides. <i>Angewandte Chemie</i> , 2017, 129, 3225-3229.	2.0	38
77	Palladium-Mediated Arylation of Lysine in Unprotected Peptides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3177-3181.	13.8	109
78	Oxidative Addition Complexes as Precatalysts for Cross-Coupling Reactions Requiring Extremely Bulky Biarylphosphine Ligands. <i>Organic Letters</i> , 2017, 19, 2853-2856.	4.6	62
79	Direct ¹¹ CN-Labeling of Unprotected Peptides via Palladium-Mediated Sequential Cross-Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 7152-7155.	13.7	65
80	A Dual Palladium and Copper Hydride Catalyzed Approach for Alkyl-Aryl Cross-Coupling of Aryl Halides and Olefins. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7242-7246.	13.8	100
81	A Dual Palladium and Copper Hydride Catalyzed Approach for Alkyl-Aryl Cross-Coupling of Aryl Halides and Olefins. <i>Angewandte Chemie</i> , 2017, 129, 7348-7352.	2.0	36
82	CuH-Catalyzed Regioselective Intramolecular Hydroamination for the Synthesis of Alkyl-Substituted Chiral Aziridines. <i>Journal of the American Chemical Society</i> , 2017, 139, 8428-8431.	13.7	77
83	Enantioselective CuH-Catalyzed Hydroacylation Employing Unsaturated Carboxylic Acids as Aldehyde Surrogates. <i>Journal of the American Chemical Society</i> , 2017, 139, 8126-8129.	13.7	82
84	Mechanistic Insight Leads to a Ligand Which Facilitates the Palladium-Catalyzed Formation of 2-(Hetero)Arylaminoxazoles and 4-(Hetero)Arylaminothiazoles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10569-10572.	13.8	47
85	Divergent unprotected peptide macrocyclisation by palladium-mediated cysteine arylation. <i>Chemical Science</i> , 2017, 8, 4257-4263.	7.4	98
86	Ligand-Substrate Dispersion Facilitates the Copper-Catalyzed Hydroamination of Unactivated Olefins. <i>Journal of the American Chemical Society</i> , 2017, 139, 16548-16555.	13.7	189
87	Mechanistic Insight Leads to a Ligand Which Facilitates the Palladium-Catalyzed Formation of 2-(Hetero)Arylaminoxazoles and 4-(Hetero)Arylaminothiazoles. <i>Angewandte Chemie</i> , 2017, 129, 10705-10708.	2.0	4
88	Palladium-Catalyzed Negishi Coupling of β -CF ₃ Oxiranyl Zincate: Access to Chiral CF ₃ -Substituted Benzylic Tertiary Alcohols. <i>Journal of the American Chemical Society</i> , 2017, 139, 11590-11594.	13.7	36
89	Water-Soluble Palladium Reagents for Cysteine S-Arylation under Ambient Aqueous Conditions. <i>Organic Letters</i> , 2017, 19, 4263-4266.	4.6	76
90	An Improved System for the Aqueous Lipshutz-Negishi Cross-Coupling of Alkyl Halides with Aryl Electrophiles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1849-1853.	13.8	77

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91	Use of a α -Catalytic-Cosolvent, <i>N,N</i> -Dimethyl Octanamide, Allows the Flow Synthesis of Imatinib with no Solvent Switch. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2531-2535.	13.8	52
92	Enantioselective CuH-Catalyzed Hydroallylation of Vinylarenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 5024-5027.	13.7	87
93	Copper Hydride Catalyzed Hydroamination of Alkenes and Alkynes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 48-57.	13.8	447
94	Regioselective 2-Amination of Polychloropyrimidines. <i>Organic Letters</i> , 2016, 18, 2180-2183.	4.6	26
95	Enantioselective CuH-Catalyzed Reductive Coupling of Aryl Alkenes and Activated Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2016, 138, 5821-5824.	13.7	96
96	Applications of Palladium-Catalyzed C ^N Cross-Coupling Reactions. <i>Chemical Reviews</i> , 2016, 116, 12564-12649.	47.7	1,989
97	Regiodivergent and Diastereoselective CuH-Catalyzed Allylation of Imines with Terminal Allenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14077-14080.	13.8	95
98	The Evolution of Pd ⁰ /Pd ^{II} -Catalyzed Aromatic Fluorination. <i>Accounts of Chemical Research</i> , 2016, 49, 2146-2157.	15.6	133
99	Development of a Method for the <i>N</i> -Arylation of Amino Acid Esters with Aryl Triflates. <i>Organic Letters</i> , 2016, 18, 4128-4131.	4.6	61
100	Palladium-Catalyzed <i>N</i> -Arylation of Iminodibenzyls and Iminostilbenes with Aryl- and Heteroaryl Halides. <i>Chemistry - A European Journal</i> , 2016, 22, 14186-14189.	3.3	26
101	Continuous-Flow Synthesis of Biaryls by Negishi Cross-Coupling of Fluoro- and Trifluoromethyl-Substituted (Hetero)arenes. <i>Angewandte Chemie</i> , 2016, 128, 10619-10623.	2.0	17
102	Rapid Synthesis of Aryl Fluorides in Continuous Flow through the Balz-Schiemann Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11907-11911.	13.8	32
103	Biaryl Phosphine Based Pd(II) Amido Complexes: The Effect of Ligand Structure on Reductive Elimination. <i>Journal of the American Chemical Society</i> , 2016, 138, 12486-12493.	13.7	87
104	A Fungal-Selective Cytochrome bc1 Inhibitor Impairs Virulence and Prevents the Evolution of Drug Resistance. <i>Cell Chemical Biology</i> , 2016, 23, 978-991.	5.2	52
105	Continuous-Flow Synthesis of Biaryls by Negishi Cross-Coupling of Fluoro- and Trifluoromethyl-Substituted (Hetero)arenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10463-10467.	13.8	56
106	Copper-Catalyzed Enantioselective Addition of Styrene-Derived Nucleophiles to Imines Enabled by Ligand-Controlled Chemoselective Hydrocupration. <i>Journal of the American Chemical Society</i> , 2016, 138, 9787-9790.	13.7	108
107	Regiodivergent and Diastereoselective CuH-Catalyzed Allylation of Imines with Terminal Allenes. <i>Angewandte Chemie</i> , 2016, 128, 14283-14286.	2.0	18
108	Palladium-Catalyzed Fluorination of Cyclic Vinyl Triflates: Effect of TESCFS ₃ as an Additive. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15559-15563.	13.8	24

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109	Palladium-Catalyzed Fluorination of Cyclic Vinyl Triflates: Effect of TESCF ₃ as an Additive. <i>Angewandte Chemie</i> , 2016, 128, 15788-15792.	2.0	6
110	Suzuki-Miyaura cross-coupling optimization enabled by automated feedback. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 658-666.	3.7	125
111	Use of a Catalytic-Cosolvent, <i>N,N</i> -Dimethyl Octanamide, Allows the Flow Synthesis of Imatinib with no Solvent Switch. <i>Angewandte Chemie</i> , 2016, 128, 2577-2581.	2.0	17
112	Copper-catalyzed asymmetric addition of olefin-derived nucleophiles to ketones. <i>Science</i> , 2016, 353, 144-150.	12.6	227
113	Asymmetric Hydroarylation of Vinylarenes Using a Synergistic Combination of CuH and Pd Catalysis. <i>Journal of the American Chemical Society</i> , 2016, 138, 8372-8375.	13.7	212
114	Aryl amination using ligand-free Ni(II) salts and photoredox catalysis. <i>Science</i> , 2016, 353, 279-283.	12.6	472
115	An Improved System for the Aqueous Lipshutz-Negishi Cross-Coupling of Alkyl Halides with Aryl Electrophiles. <i>Angewandte Chemie</i> , 2016, 128, 1881-1885.	2.0	17
116	Copper-catalysed enantioselective stereodivergent synthesis of amino alcohols. <i>Nature</i> , 2016, 532, 353-356.	27.8	227
117	A direct approach to amines with remote stereocentres by enantioselective CuH-catalysed reductive relay hydroamination. <i>Nature Chemistry</i> , 2016, 8, 144-150.	13.6	109
118	Design of New Ligands for the Palladium-Catalyzed Arylation of β -Branched Secondary Amines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8259-8262.	13.8	83
119	Mild Palladium-Catalyzed Cyanation of (Hetero)aryl Halides and Triflates in Aqueous Media. <i>Organic Letters</i> , 2015, 17, 202-205.	4.6	110
120	Rational Ligand Design for the Arylation of Hindered Primary Amines Guided by Reaction Progress Kinetic Analysis. <i>Journal of the American Chemical Society</i> , 2015, 137, 3085-3092.	13.7	129
121	Virtually Instantaneous, Room-Temperature [¹¹ C]-Cyanation Using Biaryl Phosphine Pd(0) Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 648-651.	13.7	68
122	Synthesis of Heteroaryl Sulfonamides from Organozinc Reagents and 2,4,6-Trichlorophenyl Chlorosulfate. <i>Organic Letters</i> , 2015, 17, 3170-3173.	4.6	8
123	An Umpolung Approach for the Chemoselective Arylation of Selenocysteine in Unprotected Peptides. <i>Journal of the American Chemical Society</i> , 2015, 137, 9784-9787.	13.7	65
124	Enantioselective Synthesis of Carbo- and Heterocycles through a CuH-Catalyzed Hydroalkylation Approach. <i>Journal of the American Chemical Society</i> , 2015, 137, 10524-10527.	13.7	118
125	Design of Modified Amine Transfer Reagents Allows the Synthesis of β -Chiral Secondary Amines via CuH-Catalyzed Hydroamination. <i>Journal of the American Chemical Society</i> , 2015, 137, 9716-9721.	13.7	123
126	Versatile Enantioselective Synthesis of Functionalized Lactones via Copper-Catalyzed Radical Oxyfunctionalization of Alkenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 8069-8077.	13.7	264

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127	Catalytic asymmetric hydroamination of unactivated internal olefins to aliphatic amines. <i>Science</i> , 2015, 349, 62-66.	12.6	316
128	Highly Diastereo- and Enantioselective CuH-Catalyzed Synthesis of 2,3-Disubstituted Indolines. <i>Journal of the American Chemical Society</i> , 2015, 137, 4666-4669.	13.7	124
129	A Fluorinated Ligand Enables Room-Temperature and Regioselective Pd-Catalyzed Fluorination of Aryl Triflates and Bromides. <i>Journal of the American Chemical Society</i> , 2015, 137, 13433-13438.	13.7	98
130	Mechanistic Studies Lead to Dramatically Improved Reaction Conditions for the Cu-Catalyzed Asymmetric Hydroamination of Olefins. <i>Journal of the American Chemical Society</i> , 2015, 137, 14812-14818.	13.7	112
131	Organometallic palladium reagents for cysteine bioconjugation. <i>Nature</i> , 2015, 526, 687-691.	27.8	377
132	Dosage delivery of sensitive reagents enables glove-box-free synthesis. <i>Nature</i> , 2015, 524, 208-211.	27.8	72
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