

Stephen L Buchwald

List of Publications by Year in descending order

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251
papers

43,959
citations

1463

107
h-index

2078

204
g-index

268
all docs

268
docs citations

268
times ranked

20754
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling Reactions Employing Dialkylbiaryl Phosphine Ligands. <i>Accounts of Chemical Research</i> , 2008, 41, 1461-1473.	15.6	2,222
2	Applications of Palladium-Catalyzed C-N Cross-Coupling Reactions. <i>Chemical Reviews</i> , 2016, 116, 12564-12649.	47.7	1,989
3	Biaryl Phosphane Ligands in Palladium-Catalyzed Amination. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6338-6361.	13.8	1,812
4	Rational Development of Practical Catalysts for Aromatic Carbon-Nitrogen Bond Formation. <i>Accounts of Chemical Research</i> , 1998, 31, 805-818.	15.6	1,707
5	Dialkylbiaryl phosphines in Pd-catalyzed amination: a user's guide. <i>Chemical Science</i> , 2011, 2, 27-50.	7.4	1,349
6	A Highly Active Catalyst for Palladium-Catalyzed Cross-Coupling Reactions: A Room-Temperature Suzuki Couplings and Amination of Unactivated Aryl Chlorides. <i>Journal of the American Chemical Society</i> , 1998, 120, 9722-9723.	13.7	868
7	Expanding Pd-Catalyzed C-N Bond-Forming Processes: The First Amidation of Aryl Sulfonates, Aqueous Amination, and Complementarity with Cu-Catalyzed Reactions. <i>Journal of the American Chemical Society</i> , 2003, 125, 6653-6655.	13.7	737
8	The Palladium-Catalyzed Trifluoromethylation of Aryl Chlorides. <i>Science</i> , 2010, 328, 1679-1681.	12.6	707
9	Simple, Efficient Catalyst System for the Palladium-Catalyzed Amination of Aryl Chlorides, Bromides, and Triflates. <i>Journal of Organic Chemistry</i> , 2000, 65, 1158-1174.	3.2	698
10	A Highly Active Catalyst for the Room-Temperature Amination and Suzuki Coupling of Aryl Chlorides. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2413-2416.	13.8	652
11	Formation of ArF from LPdAr(F): Catalytic Conversion of Aryl Triflates to Aryl Fluorides. <i>Science</i> , 2009, 325, 1661-1664.	12.6	594
12	Design and preparation of new palladium precatalysts for C-C and C-N cross-coupling reactions. <i>Chemical Science</i> , 2013, 4, 916-920.	7.4	572
13	Copper-Diamine-Catalyzed N-Arylation of Pyrroles, Pyrazoles, Indazoles, Imidazoles, and Triazoles. <i>Journal of Organic Chemistry</i> , 2004, 69, 5578-5587.	3.2	541
14	Novel Electron-Rich Bulky Phosphine Ligands Facilitate the Palladium-Catalyzed Preparation of Diaryl Ethers. <i>Journal of the American Chemical Society</i> , 1999, 121, 4369-4378.	13.7	521
15	A Highly Active Catalyst for Pd-Catalyzed Amination Reactions: Cross-Coupling Reactions Using Aryl Mesylates and the Highly Selective Monoarylation of Primary Amines Using Aryl Chlorides. <i>Journal of the American Chemical Society</i> , 2008, 130, 13552-13554.	13.7	474
16	Aryl amination using ligand-free Ni(II) salts and photoredox catalysis. <i>Science</i> , 2016, 353, 279-283.	12.6	472
17	On the Role of Metal Contaminants in Catalyses with FeCl ₃ . <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5586-5587.	13.8	468
18	Copper Hydride Catalyzed Hydroamination of Alkenes and Alkynes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 48-57.	13.8	447

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19	Pd(PhCN) ₂ Cl ₂ /P(t-Bu) ₃ : A Versatile Catalyst for Sonogashira Reactions of Aryl Bromides at Room Temperature. <i>Organic Letters</i> , 2000, 2, 1729-1731.	4.6	432
20	Scope and Limitations of the Pd/BINAP-Catalyzed Amination of Aryl Bromides. <i>Journal of Organic Chemistry</i> , 2000, 65, 1144-1157.	3.2	432
21	Palladium-Catalyzed Intermolecular Coupling of Aryl Halides and Amides. <i>Organic Letters</i> , 2000, 2, 1101-1104.	4.6	395
22	A general and efficient method for the palladium-catalyzed cross-coupling of thiols and secondary phosphines. <i>Tetrahedron</i> , 2004, 60, 7397-7403.	1.9	395
23	General Catalysts for the Suzuki-Miyaura and Sonogashira Coupling Reactions of Aryl Chlorides and for the Coupling of Challenging Substrate Combinations in Water. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6173-6177.	13.8	379
24	A New Class of Easily Activated Palladium Precatalysts for Facile C [∞] N Cross-Coupling Reactions and the Low Temperature Oxidative Addition of Aryl Chlorides. <i>Journal of the American Chemical Society</i> , 2008, 130, 6686-6687.	13.7	378
25	Enantio- and Regioselective CuH-Catalyzed Hydroamination of Alkenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 15746-15749.	13.7	377
26	Organometallic palladium reagents for cysteine bioconjugation. <i>Nature</i> , 2015, 526, 687-691.	27.8	377
27	Copper-Catalyzed Coupling of Aryl Iodides with Aliphatic Alcohols. <i>Organic Letters</i> , 2002, 4, 973-976.	4.6	366
28	Copper-Catalyzed Domino Halide Exchange-Cyanation of Aryl Bromides. <i>Journal of the American Chemical Society</i> , 2003, 125, 2890-2891.	13.7	365
29	Domino Cu-Catalyzed C [∞] N Coupling/Hydroamidation: A Highly Efficient Synthesis of Nitrogen Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7079-7082.	13.8	357
30	Cross-coupling in flow. <i>Chemical Society Reviews</i> , 2011, 40, 5010.	38.1	354
31	Pd-Catalyzed Synthesis of Ar [∞] SCF ₃ Compounds under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7312-7314.	13.8	341
32	The Synthesis of Aminopyridines: A Method Employing Palladium-Catalyzed Carbon [∞] Nitrogen Bond Formation. <i>Journal of Organic Chemistry</i> , 1996, 61, 7240-7241.	3.2	338
33	Nickel-Catalyzed Amination of Aryl Chlorides. <i>Journal of the American Chemical Society</i> , 1997, 119, 6054-6058.	13.7	321
34	Catalytic asymmetric hydroamination of unactivated internal olefins to aliphatic amines. <i>Science</i> , 2015, 349, 62-66.	12.6	316
35	Palladium-catalyzed coupling of functionalized primary and secondary amines with aryl and heteroaryl halides: two ligands suffice in most cases. <i>Chemical Science</i> , 2011, 2, 57-68.	7.4	315
36	Asymmetric Conjugate Reduction of α,β -Unsaturated Esters Using a Chiral Phosphine-Copper Catalyst. <i>Journal of the American Chemical Society</i> , 1999, 121, 9473-9474.	13.7	296

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37	Catalytic Enantioselective Conjugate Reduction of Lactones and Lactams. <i>Journal of the American Chemical Society</i> , 2003, 125, 11253-11258.	13.7	279
38	Reevaluation of the Mechanism of the Amination of Aryl Halides Catalyzed by BINAP-Ligated Palladium Complexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 3584-3591.	13.7	264
39	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
40	Synthesis of N-Aryl Hydrazides by Copper-Catalyzed Coupling of Hydrazides with Aryl Iodides. <i>Organic Letters</i> , 2001, 3, 3803-3805.	4.6	261
41	Palladium-Catalyzed $\hat{\pm}$ -Arylation of Esters. <i>Journal of the American Chemical Society</i> , 2001, 123, 7996-8002.	13.7	258
42	Palladium-Catalyzed Enantioselective $\hat{\pm}$ -Arylation and $\hat{\pm}$ -Vinylolation of Oxindoles Facilitated by an Axially Chiral P-Stereogenic Ligand. <i>Journal of the American Chemical Society</i> , 2009, 131, 9900-9901.	13.7	256
43	Copper-Catalyzed Coupling of Arylboronic Acids and Amines. <i>Organic Letters</i> , 2001, 3, 2077-2079.	4.6	253
44	Use of Tunable Ligands Allows for Intermolecular Pd-Catalyzed C $\hat{\pm}$ -O Bond Formation. <i>Journal of the American Chemical Society</i> , 2005, 127, 8146-8149.	13.7	252
45	An Efficient Intermolecular Palladium-Catalyzed Synthesis of Aryl Ethers. <i>Journal of the American Chemical Society</i> , 2001, 123, 10770-10771.	13.7	245
46	A Multiligand Based Pd Catalyst for C $\hat{\pm}$ -N Cross-Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 15914-15917.	13.7	240
47	Insights into the Origin of High Activity and Stability of Catalysts Derived from Bulky, Electron-Rich Monophosphinobiaryl Ligands in the Pd-Catalyzed C $\hat{\pm}$ -N Bond Formation. <i>Journal of the American Chemical Society</i> , 2003, 125, 13978-13980.	13.7	235
48	Water-Mediated Catalyst Preactivation: An Efficient Protocol for C $\hat{\pm}$ -N Cross-Coupling Reactions. <i>Organic Letters</i> , 2008, 10, 3505-3508.	4.6	235
49	CuH-Catalyzed Olefin Functionalization: From Hydroamination to Carbonyl Addition. <i>Accounts of Chemical Research</i> , 2020, 53, 1229-1243.	15.6	233
50	Copper-catalyzed asymmetric addition of olefin-derived nucleophiles to ketones. <i>Science</i> , 2016, 353, 144-150.	12.6	227
51	Copper-catalysed enantioselective stereodivergent synthesis of amino alcohols. <i>Nature</i> , 2016, 532, 353-356.	27.8	227
52	An Improved Synthesis of Functionalized Biphenyl-Based Phosphine Ligands. <i>Journal of Organic Chemistry</i> , 2000, 65, 5334-5341.	3.2	226
53	An Improved Cu-Based Catalyst System for the Reactions of Alcohols with Aryl Halides. <i>Journal of Organic Chemistry</i> , 2008, 73, 284-286.	3.2	226
54	Overcoming the Challenges of Solid Bridging and Constriction during Pd-Catalyzed C $\hat{\pm}$ -N Bond Formation in Microreactors. <i>Organic Process Research and Development</i> , 2010, 14, 1347-1357.	2.7	219

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55	Pd-Catalyzed N-Arylation of Secondary Acyclic Amides: Catalyst Development, Scope, and Computational Study. <i>Journal of the American Chemical Society</i> , 2009, 131, 16720-16734.	13.7	213
56	Copper-catalysed selective hydroamination reactions of alkynes. <i>Nature Chemistry</i> , 2015, 7, 38-44.	13.6	213
57	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
58	Palladium-catalyzed amination reactions in flow: overcoming the challenges of clogging via acoustic irradiation. <i>Chemical Science</i> , 2011, 2, 287-290.	7.4	203
59	Efficient Palladium-Catalyzed N-Arylation of Indoles. <i>Organic Letters</i> , 2000, 2, 1403-1406.	4.6	201
60	Enantioselective CuH-Catalyzed Anti-Markovnikov Hydroamination of 1,1-Disubstituted Alkenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 15913-15916.	13.7	201
61	Palladium-Catalyzed Intermolecular Carbon-Oxygen Bond Formation: A New Synthesis of Aryl Ethers. <i>Journal of the American Chemical Society</i> , 1997, 119, 3395-3396.	13.7	200
62	Titanocene-Catalyzed Asymmetric Ketone Hydrosilylation: The Effect of Catalyst Activation Protocol and Additives on the Reaction Rate and Enantioselectivity. <i>Journal of the American Chemical Society</i> , 1999, 121, 5640-5644.	13.7	198
63	Suzuki-Miyaura Cross-Coupling of Unprotected, Nitrogen-Rich Heterocycles: Substrate Scope and Mechanistic Investigation. <i>Journal of the American Chemical Society</i> , 2013, 135, 12877-12885.	13.7	197
64	The Development of Efficient Protocols for the Palladium-Catalyzed Cyclization Reactions of Secondary Amides and Carbamates. <i>Organic Letters</i> , 1999, 1, 35-38.	4.6	195
65	Microfluidic electrochemistry for single-electron transfer redox-neutral reactions. <i>Science</i> , 2020, 368, 1352-1357.	12.6	194
66	Palladium-Catalyzed Amination of Aryl Triflates. <i>Journal of Organic Chemistry</i> , 1997, 62, 1264-1267.	3.2	191
67	<i>N</i> -Substituted 2-Aminobiphenylpalladium Methanesulfonate Precatalysts and Their Use in C-C and C-N Cross-Couplings. <i>Journal of Organic Chemistry</i> , 2014, 79, 4161-4166.	3.2	189
68	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
69	Palladium-Catalyzed Amination of Aryl Iodides. <i>Journal of Organic Chemistry</i> , 1996, 61, 1133-1135.	3.2	188
70	New Ammonia Equivalents for the Pd-Catalyzed Amination of Aryl Halides. <i>Organic Letters</i> , 2001, 3, 3417-3419.	4.6	187
71	A Single Phosphine Ligand Allows Palladium-Catalyzed Intermolecular C-O Bond Formation with Secondary and Primary Alcohols. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9943-9947.	13.8	186
72	Nickel-BINAP Catalyzed Enantioselective α -Arylation of β -Substituted γ -Butyrolactones. <i>Journal of the American Chemical Society</i> , 2002, 124, 3500-3501.	13.7	183

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73	Structural Insights into Active Catalyst Structures and Oxidative Addition to (Biaryl)phosphine-Palladium Complexes via Density Functional Theory and Experimental Studies. <i>Organometallics</i> , 2007, 26, 2183-2192.	2.3	183
74	Palladium-Catalyzed Amination of Aryl Bromides: Use of Phosphinoether Ligands for the Efficient Coupling of Acyclic Secondary Amines. <i>Journal of Organic Chemistry</i> , 1997, 62, 1568-1569.	3.2	181
75	Synthesis of β -Alkyl Cyclopentanones in High Enantiomeric Excess via Copper-Catalyzed Asymmetric Conjugate Reduction. <i>Journal of the American Chemical Society</i> , 2000, 122, 6797-6798.	13.7	180
76	Eine einfache katalytische Methode zur Synthese von Arylaminen aus Arylbromiden. <i>Angewandte Chemie</i> , 1995, 107, 1456-1459.	2.0	172
77	Cross Coupling. <i>Accounts of Chemical Research</i> , 2008, 41, 1439-1439.	15.6	170
78	An Efficient Process for Pd-Catalyzed C-N Cross-Coupling Reactions of Aryl Iodides: Insight Into Controlling Factors. <i>Journal of the American Chemical Society</i> , 2009, 131, 5766-5768.	13.7	170
79	Arylation Chemistry for Bioconjugation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4810-4839.	13.8	169
80	Use of Polymer-Supported Dialkylphosphinobiphenyl Ligands for Palladium-Catalyzed Amination and Suzuki Reactions. <i>Journal of Organic Chemistry</i> , 2001, 66, 3820-3827.	3.2	166
81	Suzuki-Miyaura Cross-Coupling Reactions in Flow: Multistep Synthesis Enabled by a Microfluidic Extraction. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5943-5946.	13.8	156
82	Catalytic Asymmetric Vinylation of Ketone Enolates. <i>Organic Letters</i> , 2001, 3, 1897-1900.	4.6	155
83	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
84	The Palladium-Catalyzed Trifluoromethylation of Vinyl Sulfonates. <i>Organic Letters</i> , 2011, 13, 6552-6555.	4.6	149
85	Pd-Catalyzed Nucleophilic Fluorination of Aryl Bromides. <i>Journal of the American Chemical Society</i> , 2014, 136, 3792-3795.	13.7	149
86	Biaryl monophosphine ligands in palladium-catalyzed C-N coupling: An updated User's guide. <i>Tetrahedron</i> , 2019, 75, 4199-4211.	1.9	149
87	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
88	Insights into Amine Binding to Biaryl Phosphine Palladium Oxidative Addition Complexes and Reductive Elimination from Biaryl Phosphine Arylpalladium Amido Complexes via Density Functional Theory. <i>Journal of the American Chemical Society</i> , 2007, 129, 12003-12010.	13.7	143
89	Evidence for in Situ Catalyst Modification during the Pd-Catalyzed Conversion of Aryl Triflates to Aryl Fluorides. <i>Journal of the American Chemical Society</i> , 2011, 133, 18106-18109.	13.7	142
90	An Improved Method for the Palladium-Catalyzed Amination of Aryl Iodides. <i>Journal of Organic Chemistry</i> , 2001, 66, 2560-2565.	3.2	137

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91	Enantioselective Synthesis of $\hat{\pm}$ -Aminosilanes by Copper-Catalyzed Hydroamination of Vinylsilanes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1638-1641.	13.8	133
92	The Evolution of Pd ⁰ /Pd ^{II} -Catalyzed Aromatic Fluorination. <i>Accounts of Chemical Research</i> , 2016, 49, 2146-2157.	15.6	133
93	A Method for the Asymmetric Hydrosilylation of N-Aryl Imines. <i>Organic Letters</i> , 2000, 2, 713-715.	4.6	132
94	Improved Functional Group Compatibility in the Palladium-Catalyzed Amination of Aryl Bromides. <i>Tetrahedron Letters</i> , 1997, 38, 6359-6362.	1.4	131
95	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
96	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
97	Suzuki-Miyaura cross-coupling optimization enabled by automated feedback. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 658-666.	3.7	125
98	An Improved Catalyst System for the Pd-Catalyzed Fluorination of (Hetero)Aryl Triflates. <i>Organic Letters</i> , 2013, 15, 5602-5605.	4.6	124
99	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
100	Design of Modified Amine Transfer Reagents Allows the Synthesis of $\hat{\pm}$ -Chiral Secondary Amines via CuH-Catalyzed Hydroamination. <i>Journal of the American Chemical Society</i> , 2015, 137, 9716-9721.	13.7	123
101	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
102	Electronic Dependence of C ^o Reductive Elimination from Palladium (Aryl)neopentoxide Complexes. <i>Journal of the American Chemical Society</i> , 1998, 120, 6504-6511.	13.7	120
103	Expedited Palladium-Catalyzed Amination of Aryl Nonafates through the Use of Microwave-Irradiation and Soluble Organic Amine Bases. <i>Journal of Organic Chemistry</i> , 2006, 71, 430-433.	3.2	119
104	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
105	Novel Syntheses of Tetrahydropyrroloquinolines: Applications to Alkaloid Synthesis. <i>Journal of the American Chemical Society</i> , 1996, 118, 1028-1030.	13.7	117
106	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
107	Pharmaceutical diversification via palladium oxidative addition complexes. <i>Science</i> , 2019, 363, 405-408.	12.6	112
108	Mild and General Conditions for Negishi Cross-Coupling Enabled by the Use of Palladacycle Precatalysts. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 615-619.	13.8	111

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109	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
110	Mild Palladium-Catalyzed Cyanation of (Hetero)aryl Halides and Triflates in Aqueous Media. <i>Organic Letters</i> , 2015, 17, 202-205.	4.6	110
111	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
112	Palladium-Mediated Arylation of Lysine in Unprotected Peptides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3177-3181.	13.8	109
113	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
114	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
115	Improved Functional Group Compatibility in the Palladium-Catalyzed Synthesis of Aryl Amines. <i>Organic Letters</i> , 2002, 4, 2885-2888.	4.6	105
116	One-Pot Synthesis of Unsymmetrical Triaryl Amines from Aniline Precursors. <i>Journal of Organic Chemistry</i> , 2000, 65, 5327-5333.	3.2	104
117	Asymmetric Catalysis Special Feature Part II: Copper-catalyzed asymmetric conjugate reduction as a route to novel α -azaheterocyclic acid derivatives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5821-5823.	7.1	104
118	Packed-Bed Reactors for Continuous-Flow C ₁₂ N Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9469-9474.	13.8	102
119	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
120	Sequential N-Arylation of Primary Amines as a Route To Alkyldiaryl Amines. <i>Journal of Organic Chemistry</i> , 1999, 64, 6019-6022.	3.2	100
121	Continuous-Flow Synthesis of Biaryls Enabled by Multistep Solid-Handling in a Lithiation/Borylation/Suzuki-Miyaura Cross-Coupling Sequence. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10665-10669.	13.8	100
122	A Bulky Biaryl Phosphine Ligand Allows for Palladium-Catalyzed Amidation of Five-Membered Heterocycles as Electrophiles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4710-4713.	13.8	100
123	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
124	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
125	Divergent unprotected peptide macrocyclisation by palladium-mediated cysteine arylation. <i>Chemical Science</i> , 2017, 8, 4257-4263.	7.4	98
126	Completely N ¹ -Selective Palladium-Catalyzed Arylation of Unsymmetric Imidazoles: Application to the Synthesis of Nilotinib. <i>Journal of the American Chemical Society</i> , 2012, 134, 700-706.	13.7	97

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127	Room Temperature Catalytic Amination of Aryl Iodides. <i>Journal of Organic Chemistry</i> , 1997, 62, 6066-6068.	3.2	96
128	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
129	Regiodivergent and Diastereoselective CuH-Catalyzed Allylation of Imines with Terminal Allenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14077-14080.	13.8	95
130	Enantioselective Allylation Using Allene, a Petroleum Cracking Byproduct. <i>Journal of the American Chemical Society</i> , 2019, 141, 2251-2256.	13.7	95
131	Electronic Effects on the Selectivity of Pd-Catalyzed C-N Bond-Forming Reactions Using Biarylphosphine Ligands: The Competitive Roles of Amine Binding and Acidity. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7232-7235.	13.8	93
132	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
133	Halide and Amine Influence in the Equilibrium Formation of Palladium Tris(o-tolyl)phosphine Mono(amine) Complexes from Palladium Aryl Halide Dimers. <i>Organometallics</i> , 1996, 15, 2755-2763.	2.3	92
134	Mild and General Palladium-Catalyzed Synthesis of Methyl Aryl Ethers Enabled by the Use of a Palladacycle Precatalyst. <i>Organic Letters</i> , 2013, 15, 3998-4001.	4.6	91
135	Continuous-Flow Synthesis of Monoarylated Acetaldehydes Using Aryldiazonium Salts. <i>Journal of the American Chemical Society</i> , 2012, 134, 12466-12469.	13.7	90
136	Enantioselective CuH-Catalyzed Hydroallylation of Vinylarenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 5024-5027.	13.7	87
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#	ARTICLE	IF	CITATIONS
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