Stephen L Buchwald

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Palladium-Catalyzed Suzukiâ˘Miyaura Cross-Coupling Reactions Employing Dialkylbiaryl Phosphine Ligands. Accounts of Chemical Research, 2008, 41, 1461-1473.	7.6	2,222
2	Applications of Palladium-Catalyzed Câ€“N Cross-Coupling Reactions. Chemical Reviews, 2016, 116, 12564-12649.	23.0	1,989
3	Biaryl Phosphane Ligands in Palladiumâ€Catalyzed Amination. Angewandte Chemie - International Edition, 2008, 47, 6338-6361.	7.2	1,812
4	Rational Development of Practical Catalysts for Aromatic Carbonâ˘Nitrogen Bond Formation. Accounts of Chemical Research, 1998, 31, 805-818.	7.6	1,707
5	Dialkylbiaryl phosphines in Pd-catalyzed amination: a user's guide. Chemical Science, 2011, 2, 27-50.	3.7	1,349
6	A Highly Active Catalyst for Palladium-Catalyzed Cross-Coupling Reactions:Â Room-Temperature Suzuki Couplings and Amination of Unactivated Aryl Chlorides. Journal of the American Chemical Society, 1998, 120, 9722-9723.	6.6	868
7	Expanding Pd-Catalyzed Câ˘N Bond-Forming Processes:â€‰ The First Amidation of Aryl Sulfonates, Aqueous Amination, and Complementarity with Cu-Catalyzed Reactions. Journal of the American Chemical Society, 2003, 125, 6653-6655.	6.6	737
8	The Palladium-Catalyzed Trifluoromethylation of Aryl Chlorides. Science, 2010, 328, 1679-1681.	6.0	707
9	Simple, Efficient Catalyst System for the Palladium-Catalyzed Amination of Aryl Chlorides, Bromides, and Triflates. Journal of Organic Chemistry, 2000, 65, 1158-1174.	1.7	698
10	A Highly Active Catalyst for the Room-Temperature Amination and Suzuki Coupling of Aryl Chlorides. Angewandte Chemie - International Edition, 1999, 38, 2413-2416.	7.2	652
11	Formation of ArF from LPdAr(F): Catalytic Conversion of Aryl Triflates to Aryl Fluorides. Science, 2009, 325, 1661-1664.	6.0	594
12	Design and preparation of new palladium precatalysts for Câ€“C and Câ€“N cross-coupling reactions. Chemical Science, 2013, 4, 916-920.	3.7	572
13	Copperâ˘Diamine-CatalyzedN-Arylation of Pyrroles, Pyrazoles, Indazoles, Imidazoles, and Triazoles. Journal of Organic Chemistry, 2004, 69, 5578-5587.	1.7	541
14	Novel Electron-Rich Bulky Phosphine Ligands Facilitate the Palladium-Catalyzed Preparation of Diaryl Ethers. Journal of the American Chemical Society, 1999, 121, 4369-4378.	6.6	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. Journal of the American Chemical Society, 2008, 130, 13552-13554.	6.6	474
16	Aryl amination using ligand-free Ni(II) salts and photoredox catalysis. Science, 2016, 353, 279-283.	6.0	472
17	On the Role of Metal Contaminants in Catalyses with FeCl₃. Angewandte Chemie - International Edition, 2009, 48, 5586-5587.	7.2	468
18	Copper Hydride Catalyzed Hydroamination of Alkenes and Alkynes. Angewandte Chemie - International Edition, 2016, 55, 48-57.	7.2	447

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19	Pd(PhCN)2Cl2/P(t-Bu)3:â€‰ A Versatile Catalyst for Sonogashira Reactions of Aryl Bromides at Room Temperature. Organic Letters, 2000, 2, 1729-1731.	2.4	432
20	Scope and Limitations of the Pd/BINAP-Catalyzed Amination of Aryl Bromides. Journal of Organic Chemistry, 2000, 65, 1144-1157.	1.7	432
21	Palladium-Catalyzed Intermolecular Coupling of Aryl Halides and Amides. Organic Letters, 2000, 2, 1101-1104.	2.4	395
22	A general and efficient method for the palladium-catalyzed cross-coupling of thiols and secondary phosphines. Tetrahedron, 2004, 60, 7397-7403.	1.0	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. Angewandte Chemie - International Edition, 2005, 44, 6173-6177.	7.2	379
24	A New Class of Easily Activated Palladium Precatalysts for Facile Câˆ’N Cross-Coupling Reactions and the Low Temperature Oxidative Addition of Aryl Chlorides. Journal of the American Chemical Society, 2008, 130, 6686-6687.	6.6	378
25	Enantio- and Regioselective CuH-Catalyzed Hydroamination of Alkenes. Journal of the American Chemical Society, 2013, 135, 15746-15749.	6.6	377
26	Organometallic palladium reagents for cysteine bioconjugation. Nature, 2015, 526, 687-691.	13.7	377
27	Copper-Catalyzed Coupling of Aryl Iodides with Aliphatic Alcohols. Organic Letters, 2002, 4, 973-976.	2.4	366
28	Copper-Catalyzed Domino Halide Exchange-Cyanation of Aryl Bromides. Journal of the American Chemical Society, 2003, 125, 2890-2891.	6.6	365
29	Domino Cu-Catalyzed Cï£¿N Coupling/Hydroamidation: A Highly Efficient Synthesis of Nitrogen Heterocycles. Angewandte Chemie - International Edition, 2006, 45, 7079-7082.	7.2	357
30	Cross-coupling in flow. Chemical Society Reviews, 2011, 40, 5010.	18.7	354
31	Pdâ€Catalyzed Synthesis of Arï£¿SCF₃ Compounds under Mild Conditions. Angewandte Chemie - International Edition, 2011, 50, 7312-7314.	7.2	341
32	The Synthesis of Aminopyridines:Â A Method Employing Palladium-Catalyzed Carbonâˆ’Nitrogen Bond Formation. Journal of Organic Chemistry, 1996, 61, 7240-7241.	1.7	338
33	Nickel-Catalyzed Amination of Aryl Chlorides. Journal of the American Chemical Society, 1997, 119, 6054-6058.	6.6	321
34	Catalytic asymmetric hydroamination of unactivated internal olefins to aliphatic amines. Science, 2015, 349, 62-66.	6.0	316
35	Palladium-catalyzed coupling of functionalized primary and secondary amines with aryl and heteroaryl halides: two ligands suffice in most cases. Chemical Science, 2011, 2, 57-68.	3.7	315
36	Asymmetric Conjugate Reduction of Î±,Î²-Unsaturated Esters Using a Chiral Phosphineâˆ’Copper Catalyst. Journal of the American Chemical Society, 1999, 121, 9473-9474.	6.6	296

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37	Catalytic Enantioselective Conjugate Reduction of Lactones and Lactams. Journal of the American Chemical Society, 2003, 125, 11253-11258.	6.6	279
38	Reevaluation of the Mechanism of the Amination of Aryl Halides Catalyzed by BINAP-Ligated Palladium Complexes. Journal of the American Chemical Society, 2006, 128, 3584-3591.	6.6	264
39	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
40	Synthesis ofN-Aryl Hydrazides by Copper-Catalyzed Coupling of Hydrazides with Aryl Iodides. Organic Letters, 2001, 3, 3803-3805.	2.4	261
41	Palladium-CatalyzedÎ±-Arylation of Esters. Journal of the American Chemical Society, 2001, 123, 7996-8002.	6.6	258
42	Palladium-Catalyzed Enantioselective Î±-Arylation and Î±-Vinylation of Oxindoles Facilitated by an Axially Chiral P-Stereogenic Ligand. Journal of the American Chemical Society, 2009, 131, 9900-9901.	6.6	256
43	Copper-Catalyzed Coupling of Arylboronic Acids and Amines. Organic Letters, 2001, 3, 2077-2079.	2.4	253
44	Use of Tunable Ligands Allows for Intermolecular Pd-Catalyzed Câ^'O Bond Formation. Journal of the American Chemical Society, 2005, 127, 8146-8149.	6.6	252
45	An Efficient Intermolecular Palladium-Catalyzed Synthesis of Aryl Ethers. Journal of the American Chemical Society, 2001, 123, 10770-10771.	6.6	245
46	A Multiligand Based Pd Catalyst for Câ^'N Cross-Coupling Reactions. Journal of the American Chemical Society, 2010, 132, 15914-15917.	6.6	240
47	Insights into the Origin of High Activity and Stability of Catalysts Derived from Bulky, Electron-Rich Monophosphinobiaryl Ligands in the Pd-Catalyzed Câ^'N Bond Formation. Journal of the American Chemical Society, 2003, 125, 13978-13980.	6.6	235
48	Water-Mediated Catalyst Preactivation: An Efficient Protocol for Câ^'N Cross-Coupling Reactions. Organic Letters, 2008, 10, 3505-3508.	2.4	235
49	CuH-Catalyzed Olefin Functionalization: From Hydroamination to Carbonyl Addition. Accounts of Chemical Research, 2020, 53, 1229-1243.	7.6	233
50	Copper-catalyzed asymmetric addition of olefin-derived nucleophiles to ketones. Science, 2016, 353, 144-150.	6.0	227
51	Copper-catalysed enantioselective stereodivergent synthesis of amino alcohols. Nature, 2016, 532, 353-356.	13.7	227
52	An Improved Synthesis of Functionalized Biphenyl-Based Phosphine Ligands. Journal of Organic Chemistry, 2000, 65, 5334-5341.	1.7	226
53	An Improved Cu-Based Catalyst System for the Reactions of Alcohols with Aryl Halides. Journal of Organic Chemistry, 2008, 73, 284-286.	1.7	226
54	Overcoming the Challenges of Solid Bridging and Constriction during Pd-Catalyzed Câ^'N Bond Formation in Microreactors. Organic Process Research and Development, 2010, 14, 1347-1357.	1.3	219

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55	Pd-Catalyzed N-Arylation of Secondary Acyclic Amides: Catalyst Development, Scope, and Computational Study. Journal of the American Chemical Society, 2009, 131, 16720-16734.	6.6	213
56	Copper-catalysed selective hydroamination reactions of alkynes. Nature Chemistry, 2015, 7, 38-44.	6.6	213
57	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
58	Palladium-catalyzed amination reactions in flow: overcoming the challenges of clogging via acoustic irradiation. Chemical Science, 2011, 2, 287-290.	3.7	203
59	Efficient Palladium-CatalyzedN-Arylation of Indoles. Organic Letters, 2000, 2, 1403-1406.	2.4	201
60	Enantioselective CuH-Catalyzed Anti-Markovnikov Hydroamination of 1,1-Disubstituted Alkenes. Journal of the American Chemical Society, 2014, 136, 15913-15916.	6.6	201
61	Palladium-Catalyzed Intermolecular Carbonâ˘'Oxygen Bond Formation:â€‰ A New Synthesis of Aryl Ethers. Journal of the American Chemical Society, 1997, 119, 3395-3396.	6.6	200
62	Titanocene-Catalyzed Asymmetric Ketone Hydrosilylation:Â The Effect of Catalyst Activation Protocol and Additives on the Reaction Rate and Enantioselectivity. Journal of the American Chemical Society, 1999, 121, 5640-5644.	6.6	198
63	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
64	The Development of Efficient Protocols for the Palladium-Catalyzed Cyclization Reactions of Secondary Amides and Carbamates. Organic Letters, 1999, 1, 35-38.	2.4	195
65	Microfluidic electrochemistry for single-electron transfer redox-neutral reactions. Science, 2020, 368, 1352-1357.	6.0	194
66	Palladium-Catalyzed Amination of Aryl Triflates. Journal of Organic Chemistry, 1997, 62, 1264-1267.	1.7	191
67	<i>N</i>-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
68	Ligandâ€“Substrate Dispersion Facilitates the Copper-Catalyzed Hydroamination of Unactivated Olefins. Journal of the American Chemical Society, 2017, 139, 16548-16555.	6.6	189
69	Palladium-Catalyzed Amination of Aryl Iodides. Journal of Organic Chemistry, 1996, 61, 1133-1135.	1.7	188
70	New Ammonia Equivalents for the Pd-Catalyzed Amination of Aryl Halides. Organic Letters, 2001, 3, 3417-3419.	2.4	187
71	A Single Phosphine Ligand Allows Palladiumâ€Catalyzed Intermolecular Cï£¿O Bond Formation with Secondary and Primary Alcohols. Angewandte Chemie - International Edition, 2011, 50, 9943-9947.	7.2	186
72	Nickel-BINAP Catalyzed Enantioselective Î±-Arylation of Î±-Substituted Î³-Butyrolactones. Journal of the American Chemical Society, 2002, 124, 3500-3501.	6.6	183

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73	Structural Insights into Active Catalyst Structures and Oxidative Addition to (Biaryl)phosphineâˆ'Palladium Complexes via Density Functional Theory and Experimental Studies. Organometallics, 2007, 26, 2183-2192.	1.1	183
74	Palladium-Catalyzed Amination of Aryl Bromides:Â Use of Phosphinoether Ligands for the Efficient Coupling of Acyclic Secondary Amines. Journal of Organic Chemistry, 1997, 62, 1568-1569.	1.7	181
75	Synthesis of Î²-Alkyl Cyclopentanones in High Enantiomeric Excess via Copper-Catalyzed Asymmetric Conjugate Reduction. Journal of the American Chemical Society, 2000, 122, 6797-6798.	6.6	180
76	Eine einfache katalytische Methode zur Synthese von Arylaminen aus Arylbromiden. Angewandte Chemie, 1995, 107, 1456-1459.	1.6	172
77	Cross Coupling. Accounts of Chemical Research, 2008, 41, 1439-1439.	7.6	170
78	An Efficient Process for Pd-Catalyzed Câˆ'N Cross-Coupling Reactions of Aryl Iodides: Insight Into Controlling Factors. Journal of the American Chemical Society, 2009, 131, 5766-5768.	6.6	170
79	Arylation Chemistry for Bioconjugation. Angewandte Chemie - International Edition, 2019, 58, 4810-4839.	7.2	169
80	Use of Polymer-Supported Dialkylphosphinobiphenyl Ligands for Palladium-Catalyzed Amination and Suzuki Reactions. Journal of Organic Chemistry, 2001, 66, 3820-3827.	1.7	166
81	Suzukiâ€"Miyaura Crossâ€Coupling Reactions in Flow: Multistep Synthesis Enabled by a Microfluidic Extraction. Angewandte Chemie - International Edition, 2011, 50, 5943-5946.	7.2	156
82	Catalytic Asymmetric Vinylation of Ketone Enolates. Organic Letters, 2001, 3, 1897-1900.	2.4	155
83	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
84	The Palladium-Catalyzed Trifluoromethylation of Vinyl Sulfonates. Organic Letters, 2011, 13, 6552-6555.	2.4	149
85	Pd-Catalyzed Nucleophilic Fluorination of Aryl Bromides. Journal of the American Chemical Society, 2014, 136, 3792-3795.	6.6	149
86	Biaryl monophosphine ligands in palladium-catalyzed Câ€"N coupling: An updated User's guide. Tetrahedron, 2019, 75, 4199-4211.	1.0	149
87	Asymmetric Copper Hydride-Catalyzed Markovnikov Hydrosilylation of Vinylarenes and Vinyl Heterocycles. Journal of the American Chemical Society, 2017, 139, 2192-2195.	6.6	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. Journal of the American Chemical Society, 2007, 129, 12003-12010.	6.6	143
89	Evidence for in Situ Catalyst Modification during the Pd-Catalyzed Conversion of Aryl Triflates to Aryl Fluorides. Journal of the American Chemical Society, 2011, 133, 18106-18109.	6.6	142
90	An Improved Method for the Palladium-Catalyzed Amination of Aryl Iodides. Journal of Organic Chemistry, 2001, 66, 2560-2565.	1.7	137

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91	Enantioselective Synthesis of Î±â€Aminosilanes by Copperâ€Catalyzed Hydroamination of Vinylsilanes. Angewandte Chemie - International Edition, 2015, 54, 1638-1641.	7.2	133
92	The Evolution of Pd⁰/Pd^{II}-Catalyzed Aromatic Fluorination. Accounts of Chemical Research, 2016, 49, 2146-2157.	7.6	133
93	A Method for the Asymmetric Hydrosilylation ofN-Aryl Imines. Organic Letters, 2000, 2, 713-715.	2.4	132
94	Improved Functional Group Compatibility in the Palladium-Catalyzed Amination of Aryl Bromides. Tetrahedron Letters, 1997, 38, 6359-6362.	0.7	131
95	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
96	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
97	Suzukiâ€“Miyaura cross-coupling optimization enabled by automated feedback. Reaction Chemistry and Engineering, 2016, 1, 658-666.	1.9	125
98	An Improved Catalyst System for the Pd-Catalyzed Fluorination of (Hetero)Aryl Triflates. Organic Letters, 2013, 15, 5602-5605.	2.4	124
99	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
100	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
101	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
102	Electronic Dependence of Câˆ'O Reductive Elimination from Palladium (Aryl)neopentoxide Complexes. Journal of the American Chemical Society, 1998, 120, 6504-6511.	6.6	120
103	Expedited Palladium-Catalyzed Amination of Aryl Nonaflates through the Use of Microwave-Irradiation and Soluble Organic Amine Bases. Journal of Organic Chemistry, 2006, 71, 430-433.	1.7	119
104	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
105	Novel Syntheses of Tetrahydropyrroloquinolines:Â Applications to Alkaloid Synthesis. Journal of the American Chemical Society, 1996, 118, 1028-1030.	6.6	117
106	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
107	Pharmaceutical diversification via palladium oxidative addition complexes. Science, 2019, 363, 405-408.	6.0	112
108	Mild and General Conditions for Negishi Crossâ€Coupling Enabled by the Use of Palladacycle Precatalysts. Angewandte Chemie - International Edition, 2013, 52, 615-619.	7.2	111

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109	CuH-Catalyzed Enantioselective Alkylation of Indole Derivatives with Ligand-Controlled Regiodivergence. Journal of the American Chemical Society, 2019, 141, 3901-3909.	6.6	111
110	Mild Palladium-Catalyzed Cyanation of (Hetero)aryl Halides and Triflates in Aqueous Media. Organic Letters, 2015, 17, 202-205.	2.4	110
111	A direct approach to amines with remote stereocentres by enantioselective CuH-catalysed reductive relay hydroamination. Nature Chemistry, 2016, 8, 144-150.	6.6	109
112	Palladiumâ€Mediated Arylation of Lysine in Unprotected Peptides. Angewandte Chemie - International Edition, 2017, 56, 3177-3181.	7.2	109
113	A Regio- and Enantioselective CuH-Catalyzed Ketone Allylation with Terminal Allenes. Journal of the American Chemical Society, 2018, 140, 2007-2011.	6.6	109
114	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
115	Improved Functional Group Compatibility in the Palladium-Catalyzed Synthesis of Aryl Amines. Organic Letters, 2002, 4, 2885-2888.	2.4	105
116	One-Pot Synthesis of Unsymmetrical Triarylamines from Aniline Precursors. Journal of Organic Chemistry, 2000, 65, 5327-5333.	1.7	104
117	Asymmetric Catalysis Special Feature Part II: Copper-catalyzed asymmetric conjugate reduction as a route to novel Â-azaheterocyclic acid derivatives. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5821-5823.	3.3	104
118	Packedâ€Bed Reactors for Continuousâ€Flow Cï£¿N Crossâ€Coupling. Angewandte Chemie - International Edition, 2010, 49, 9469-9474.	7.2	102
119	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
120	Sequential N-Arylation of Primary Amines as a Route To Alkyldiarylamines. Journal of Organic Chemistry, 1999, 64, 6019-6022.	1.7	100
121	Continuousâ€Flow Synthesis of Biaryls Enabled by Multistep Solidâ€Handling in a Lithiation/Borylation/Suzukiâ€"Miyaura Crossâ€Coupling Sequence. Angewandte Chemie - International Edition, 2011, 50, 10665-10669.	7.2	100
122	A Bulky Biaryl Phosphine Ligand Allows for Palladiumâ€Catalyzed Amidation of Fiveâ€Membered Heterocycles as Electrophiles. Angewandte Chemie - International Edition, 2012, 51, 4710-4713.	7.2	100
123	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
124	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
125	Divergent unprotected peptide macrocyclisation by palladium-mediated cysteine arylation. Chemical Science, 2017, 8, 4257-4263.	3.7	98
126	Completely N¹-Selective Palladium-Catalyzed Arylation of Unsymmetric Imidazoles: Application to the Synthesis of Nilotinib. Journal of the American Chemical Society, 2012, 134, 700-706.	6.6	97

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127	Room Temperature Catalytic Amination of Aryl Iodides. Journal of Organic Chemistry, 1997, 62, 6066-6068.	1.7	96
128	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
129	Regiodivergent and Diastereoselective CuHâ€Catalyzed Allylation of Imines with Terminal Allenes. Angewandte Chemie - International Edition, 2016, 55, 14077-14080.	7.2	95
130	Enantioselective Allylation Using Allene, a Petroleum Cracking Byproduct. Journal of the American Chemical Society, 2019, 141, 2251-2256.	6.6	95
131	Electronic Effects on the Selectivity of Pdâ€Catalyzed Cï£¿N Bondâ€Forming Reactions Using Biarylphosphine Ligands: The Competitive Roles of Amine Binding and Acidity. Angewandte Chemie - International Edition, 2007, 46, 7232-7235.	7.2	93
132	Palladium Oxidative Addition Complexes for Peptide and Protein Cross-linking. Journal of the American Chemical Society, 2018, 140, 3128-3133.	6.6	93
133	Halide and Amine Influence in the Equilibrium Formation of Palladium Tris(o-tolyl)phosphine Mono(amine) Complexes from Palladium Aryl Halide Dimers. Organometallics, 1996, 15, 2755-2763.	1.1	92
134	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
135	Continuous-Flow Synthesis of Monoarylated Acetaldehydes Using Aryldiazonium Salts. Journal of the American Chemical Society, 2012, 134, 12466-12469.	6.6	90
136	Enantioselective CuH-Catalyzed Hydroallylation of Vinylarenes. Journal of the American Chemical Society, 2016, 138, 5024-5027.	6.6	87
137	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
138	Palladium-Catalyzed Câ€"O Cross-Coupling of Primary Alcohols. Organic Letters, 2018, 20, 1580-1583.	2.4	87
139	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
140	Enantioselective CuH-Catalyzed Hydroacylation Employing Unsaturated Carboxylic Acids as Aldehyde Surrogates. Journal of the American Chemical Society, 2017, 139, 8126-8129.	6.6	82
141	New Insights into Xantphos/Pd-Catalyzed Câˆ'N Bond Forming Reactions:Â A Structural and Kinetic Study. Organometallics, 2006, 25, 82-91.	1.1	80
142	Investigating the Dearomative Rearrangement of Biaryl Phosphine-Ligated Pd(II) Complexes. Journal of the American Chemical Society, 2012, 134, 19922-19934.	6.6	80
143	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
144	Evidence for the Formation and Structure of Palladacycles during Pd-Catalyzed Cï£¿N Bond Formation with Catalysts Derived from Bulky Monophosphinobiaryl Ligands. Angewandte Chemie - International Edition, 2006, 45, 925-928.	7.2	78

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145	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
146	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
147	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
148	Water-Soluble Palladium Reagents for Cysteine <i>S</i>-Arylation under Ambient Aqueous Conditions. Organic Letters, 2017, 19, 4263-4266.	2.4	76
149	A chemoselective strategy for late-stage functionalization of complex small molecules with polypeptides and proteins. Nature Chemistry, 2019, 11, 78-85.	6.6	75
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