BrianÂ M Stoltz

List of Publications by Year
in descending order

206 papers	17,868 citations	15495 65 h-index	15716 125 g-index
233 all docs	233 docs citations	233 times ranked	14813 citing authors

#	Article	IF	Citations
1	Iridium-catalyzed asymmetric trans-selective hydrogenation of 1,3-disubstituted isoquinolines. Chemical Science, 2022, 13, 3227-3232.	3.7	9
2	Ir-Catalyzed Asymmetric Allylic Alkylation of Dialkyl Malonates Enabling the Construction of Enantioenriched All-Carbon Quaternary Centers. Journal of the American Chemical Society, 2022, 144, 7983-7987.	6.6	32
3	Enantioselective Formation of Quaternary Centers by Allylic Alkylation with First-Row Transition-Metal Catalysts. Chemical Reviews, 2021, 121, 4084-4099.	23.0	192
4	A covalent p97/VCP ATPase inhibitor can overcome resistance to CB-5083 and NMS-873 in colorectal cancer cells. European Journal of Medicinal Chemistry, 2021, 213, 113148.	2.6	15
5	A Synthetic Strategy toward Eight-Membered Cyclic Amines by Cycloetherification and Claisen Rearrangement. Organic Letters, 2021, 23, 3300-3303.	2.4	8
6	Synthetic strategy toward ineleganolide: A cautionary tale. Tetrahedron, 2021, 93, 132289.	1.0	3
7	The Enantioselective Synthesis of Eburnamonine, Eucophylline, and 16â€²â€epiâ€Leucophyllidine. Angewandte Chemie - International Edition, 2021, 60, 17957-17962.	7.2	20
8	Discovery of novel modulators for the PPARÎ± (peroxisome proliferator activated receptor Î±): Potential therapies for nonalcoholic fatty liver disease. Bioorganic and Medicinal Chemistry, 2021, 41, 116193.	1.4	2
9	The Enantioselective Synthesis of Eburnamonine, Eucophylline, and 16â€²â€•epi â€Leucophyllidine. Angewandte Chemie, 2021, 133, 18101-18106.	1.6	6
10	Synthesis of Enantioenriched gem-Disubstituted 4-Imidazolidinones by Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation. Organic Letters, 2021, 23, 6348-6351.	2.4	10
11	Identifying the Imperative Role of Metalâ€“Olefin Interactions in Catalytic Câ€“O Reductive Elimination from Nickel(II). ACS Catalysis, 2021, 11, 10208-10222.	5.5	4
12	Late-Stage Diversification: A Motivating Force in Organic Synthesis. Journal of the American Chemical Society, 2021, 143, 16890-16901.	6.6	52
13	Palladiumâ€Catalyzed Enantioselective Decarboxylative Allylic Alkylation of Protected Benzoinâ€Derived Enol Carbonates. Advanced Synthesis and Catalysis, 2020, 362, 344-347.	2.1	11
14	Synthesis of non-natural cyanthiwiginâ€“gagunin hybrids through late-stage diversification of the cyanthiwigin natural product core. Tetrahedron, 2020, 76, 130755.	1.0	2
15	Enantioselective Alkynylation of Trifluoromethyl Ketones Catalyzed by Cationâ€Binding Salen Nickel Complexes. Angewandte Chemie - International Edition, 2020, 59, 775-779.	7.2	26
16	Enantioselective Alkynylation of Trifluoromethyl Ketones Catalyzed by Cationâ€Binding Salen Nickel Complexes. Angewandte Chemie, 2020, 132, 785-789.	1.6	1
17	Copperâ€Catalyzed Enantioselective Allylic Alkylation with a Î³â€Butyrolactoneâ€Derived Silyl Ketene Acetal. Angewandte Chemie - International Edition, 2020, 59, 2033-2038.	7.2	13
18	Copperâ€Catalyzed Enantioselective Allylic Alkylation with a Î³â€Butyrolactoneâ€Derived Silyl Ketene Acetal. Angewandte Chemie, 2020, 132, 2049-2054.	1.6	1

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19	Recent Advances in Homogeneous Catalysts for the Asymmetric Hydrogenation of Heteroarenes. ACS Catalysis, 2020, 10, 13834-13851.	5.5	125
20	The Transition Metal Catalyzed [Ï€2s + Ï€2s + Ïƒ2s + Ïƒ2s] Pericyclic Reaction: Woodwardâ€“Hoffmann Rules, Aromaticity, and Electron Flow. Journal of the American Chemical Society, 2020, 142, 19033-19039.	6.6	11
21	Enantioselective synthesis of highly oxygenated acyclic quaternary center-containing building blocks via palladium-catalyzed decarboxylative allylic alkylation of cyclic siloxyketones. Chemical Science, 2020, 11, 11068-11071.	3.7	12
22	Synthesis of Carboxylic Acid and Dimer Ester Surrogates to Constrain the Abundance and Distribution of Molecular Products in Î±-Pinene and Î²-Pinene Secondary Organic Aerosol. Environmental Science & Technology, 2020, 54, 12829-12839.	4.6	31
23	Efficient Synthesis of Geminal-Dialkyl Dienes for Olefin Metathesis Polymerization. Macromolecules, 2020, 53, 7803-7809.	2.2	6
24	Global Diastereoconvergence in the Irelandâ€“Claisen Rearrangement of Isomeric Enolates: Synthesis of Tetrasubstituted Î±-Amino Acids. Journal of the American Chemical Society, 2020, 142, 21938-21947.	6.6	11
25	Palladium-Catalyzed Enantioselective Decarboxylative Allylic Alkylation of Acyclic Î±-N-Pyrrolyl/Indolyl Ketones. Organic Letters, 2020, 22, 4272-4275.	2.4	15
26	Probing Trends in Enantioinduction via Substrate Design: Palladium-Catalyzed Decarboxylative Allylic Alkylation of Î±-Enaminones. Organic Letters, 2020, 22, 4966-4969.	2.4	11
27	Catalytic enantioselective synthesis of carbocyclic and heterocyclic spiranes via a decarboxylative aldol cyclization. Chemical Science, 2020, 11, 7390-7395.	3.7	9
28	The Total Synthesis of (â^')-Scabrolide A. Journal of the American Chemical Society, 2020, 142, 8585-8590.	6.6	30
29	Reaction Mechanism, Origins of Enantioselectivity, and Reactivity Trends in Asymmetric Allylic Alkylation: A Comprehensive Quantum Mechanics Investigation of a C(sp³)â€“C(sp³) Cross-Coupling. Journal of the American Chemical Society, 2020, 142, 13917-13933.	6.6	37
30	Iridium-Catalyzed Enantioselective and Diastereoselective Hydrogenation of 1,3-Disubstituted Isoquinolines. ACS Catalysis, 2020, 10, 3241-3248.	5.5	32
31	Catalytic enantioselective synthesis of tetrasubstituted chromanones via palladium-catalyzed asymmetric conjugate arylation using chiral pyridine-dihydroisoquinoline ligands. Chemical Science, 2020, 11, 4602-4607.	3.7	29
32	Enantioselective total synthesis of (â^')-myrifabral A and B. Chemical Science, 2020, 11, 10802-10806.	3.7	13
33	Small-Scale Procedure for Acid-Catalyzed Ketal Formation. Journal of Organic Chemistry, 2019, 84, 11258-11260.	1.7	4
34	Incorporation of a chiral gem-disubstituted nitrogen heterocycle yields an oxazolidinone antibiotic with reduced mitochondrial toxicity. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2686-2689.	1.0	11
35	Stereospecific Overman Rearrangement of Substituted Cyclic Vinyl Bromides: Access to Fully Substituted Î±-Amino Ketones. Organic Letters, 2019, 21, 8962-8965.	2.4	9
36	Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation of 1,4-Diazepan-5-ones. Organic Letters, 2019, 21, 9158-9161.	2.4	11

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37	Characterization of Reactive Organometallic Species via MicroED. ACS Central Science, 2019, 5, 1507-1513.	5.3	39
38	Enantioselective synthesis of gem-disubstituted N-Boc diazaheterocycles via decarboxylative asymmetric allylic alkylation. Chemical Science, 2019, 10, 788-792.	3.7	28
39	Palladiumâ€Catalyzed Construction of Quaternary Stereocenters by Enantioselective Arylation of Î³â€Lactams with Aryl Chlorides and Bromides. Angewandte Chemie - International Edition, 2019, 58, 4297-4301.	7.2	36
40	Modularity: Adding New Dimensions to Total Synthesis. Trends in Chemistry, 2019, 1, 630-643.	4.4	28
41	Palladium-catalyzed Î±,Î²-dehydrogenation of acyclic ester equivalents promoted by a novel electron deficient phosphinooxazoline ligand. Tetrahedron, 2019, 75, 4104-4109.	1.0	3
42	Unified Enantioselective, Convergent Synthetic Approach toward the Furanobutenolide-Derived Polycyclic Norcembranoid Diterpenes: Synthesis of a Series of Ineleganoloids by Oxidation-State Manipulation of the Carbocyclic Core. Journal of Organic Chemistry, 2019, 84, 7722-7746.	1.7	14
43	Palladium-catalyzed enantioselective decarboxylative allylic alkylation of fully substituted N-acyl indole-derived enol carbonates. Chemical Science, 2019, 10, 5996-6000.	3.7	34
44	Palladiumâ€Catalyzed Construction of Quaternary Stereocenters by Enantioselective Arylation of Î³â€Lactams with Aryl Chlorides and Bromides. Angewandte Chemie, 2019, 131, 4341-4345.	1.6	14
45	An Unexpected Irelandâ€“Claisen Rearrangement Cascade During the Synthesis of the Tricyclic Core of Curcusone C: Mechanistic Elucidation by Trial-and-Error and Automatic Artificial Force-Induced Reaction (AFIR) Computations. Journal of the American Chemical Society, 2019, 141, 6995-7004.	6.6	15
46	Cycloadditions of Oxacyclic Allenes and a Catalytic Asymmetric Entryway to Enantioenriched Cyclic Allenes. Angewandte Chemie - International Edition, 2019, 58, 5653-5657.	7.2	38
47	Development of a catalytic enantioselective synthesis of the guanacastepene and heptemerone tricyclic core. Tetrahedron, 2019, 75, 3166-3177.	1.0	7
48	Progress toward the Enantioselective Synthesis of Curcusones Aâ€“D via a Divinylcyclopropane Rearrangement Strategy. Organic Letters, 2019, 21, 9658-9662.	2.4	6
49	Enantioselective Synthesis of 15-Deoxy-Î”12,14-Prostaglandin J2. Organic Letters, 2019, 21, 10139-10142.	2.4	14
50	Enantioselective construction of the tricyclic core of curcusones Aâ€“D via a cross-electrophile coupling approach. Chemical Science, 2019, 10, 10562-10565.	3.7	9
51	Intramolecular Hydrogen Shift Chemistry of Hydroperoxy-Substituted Peroxy Radicals. Journal of Physical Chemistry A, 2019, 123, 590-600.	1.1	31
52	Concise total syntheses of (â€“)-jorunnamycin A and (â€“)-jorumycin enabled by asymmetric catalysis. Science, 2019, 363, 270-275.	6.0	87
53	Atroposelective Synthesis of PINAP via Dynamic Kinetic Asymmetric Transformation. Advanced Synthesis and Catalysis, 2019, 361, 441-444.	2.1	23
54	Concise Syntheses of Î”¹²-Prostaglandin J Natural Products via Stereoretentive Metathesis. Journal of the American Chemical Society, 2019, 141, 154-158.	6.6	38

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55	Development of a Unified Enantioselective, Convergent Synthetic Approach Toward the Furanobutenolide-Derived Polycyclic Norcembranoid Diterpenes: Asymmetric Formation of the Polycyclic Norditerpenoid Carbocyclic Core by Tandem Annulation Cascade. Journal of Organic Chemistry, 2018, 83, 3467-3485.	1.7	28
56	Enantioselective palladium-catalyzed allylic alkylation reactions in the synthesis of Aspidosperma and structurally related monoterpene indole alkaloids. Natural Product Reports, 2018, 35, 559-574.	5.2	100
57	Nickel-catalyzed enantioselective allylic alkylation of lactones and lactams with unactivated allylic alcohols. Chemical Science, 2018, 9, 2547-2551.	3.7	50
58	Atmospheric autoxidation is increasingly important in urban and suburban North America. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 64-69.	3.3	149
59	Cyanthiwigin Natural Product Core as a Complex Molecular Scaffold for Comparative Late-Stage Câ€“H Functionalization Studies. Journal of Organic Chemistry, 2018, 83, 3023-3033.	1.7	20
60	Wolff/Cope Approach to the AB Ring of the Sesterterpenoid Variecolin. Journal of Organic Chemistry, 2018, 83, 6995-7009.	1.7	9
61	Isocanthine Synthesis via Rh(III)-Catalyzed Intramolecular Câ€“H Functionalization. Journal of Organic Chemistry, 2018, 83, 330-337.	1.7	15
62	The CryoEM Method MicroED as a Powerful Tool for Small Molecule Structure Determination. ACS Central Science, 2018, 4, 1587-1592.	5.3	307
63	Catalyst-Controlled Selective Functionalization of Unactivated Câ€“H Bonds in the Presence of Electronically Activated Câ€“H Bonds. Journal of the American Chemical Society, 2018, 140, 12247-12255.	6.6	68
64	Palladium-Catalyzed Enantioselective Csp3â€“Csp3 Cross-Coupling for the Synthesis of (Poly)fluorinated Chiral Building Blocks. Organic Letters, 2018, 20, 5657-5660.	2.4	24
65	Enantioselective Synthesis of Vicinal Allâ€Carbon Quaternary Centers via Iridiumâ€Catalyzed Allylic Alkylation. Angewandte Chemie, 2018, 130, 8800-8803.	1.6	24
66	Synergistic O ₃ + OH oxidation pathway to extremely low-volatility dimers revealed in Î²-pinene secondary organic aerosol. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8301-8306.	3.3	45
67	Short Enantioselective Formal Synthesis of (â€“)-Platencin. Synthesis, 2018, 50, 4359-4368.	1.2	9
68	Catalytic Enantioselective Synthesis of Acyclic Quaternary Centers: Palladium-Catalyzed Decarboxylative Allylic Alkylation of Fully Substituted Acyclic Enol Carbonates. Journal of the American Chemical Society, 2018, 140, 10109-10112.	6.6	72
69	General and Practical Potassium Methoxide/Disilane-Mediated Dehalogenative Deuteration of (Hetero)Arylhalides. Journal of the American Chemical Society, 2018, 140, 10970-10974.	6.6	106
70	Enantioselective Synthesis of Vicinal Allâ€Carbon Quaternary Centers via Iridiumâ€Catalyzed Allylic Alkylation. Angewandte Chemie - International Edition, 2018, 57, 8664-8667.	7.2	71
71	Intermolecular Stereoselective Iridium-Catalyzed Allylic Alkylation: An Evolutionary Account. Synlett, 2018, 29, 2481-2492.	1.0	51
72	Total Synthesis of the Norhasubanan Alkaloid Stephadiamine. Journal of the American Chemical Society, 2018, 140, 8675-8680.	6.6	36

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73	Advances in Stereoconvergent Catalysis from 2005 to 2015: Transition-Metal-Mediated Stereoablative Reactions, Dynamic Kinetic Resolutions, and Dynamic Kinetic Asymmetric Transformations. Chemical Reviews, 2017, 117, 4528-4561.	23.0	273
74	Oxidative Fragmentations and Skeletal Rearrangements of Oxindole Derivatives. Organic Letters, 2017, 19, 988-991.	2.4	55
75	Potassium tert-Butoxide-Catalyzed Dehydrogenative Câ€“H Silylation of Heteroaromatics: A Combined Experimental and Computational Mechanistic Study. Journal of the American Chemical Society, 2017, 139, 6867-6879.	6.6	160
76	Ionic and Neutral Mechanisms for Câ€“H Bond Silylation of Aromatic Heterocycles Catalyzed by Potassium tert-Butoxide. Journal of the American Chemical Society, 2017, 139, 6880-6887.	6.6	111
77	Enantioselective Construction of Acyclic Quaternary Carbon Stereocenters: Palladium-Catalyzed Decarboxylative Allylic Alkylation of Fully Substituted Amide Enolates. Journal of the American Chemical Society, 2017, 139, 9615-9620.	6.6	87
78	Polycyclic Furanobutenolide-Derived Cembranoid and Norcembranoid Natural Products: Biosynthetic Connections and Synthetic Efforts. Chemical Reviews, 2017, 117, 7878-7909.	23.0	77
79	Enantioselective Iridium-Catalyzed Allylic Alkylation Reactions of Masked Acyl Cyanide Equivalents. Organic Letters, 2017, 19, 1527-1529.	2.4	28
80	Alkali Metal-Hydroxide-Catalyzed C(sp)â€“H Bond silylation. Journal of the American Chemical Society, 2017, 139, 1668-1674.	6.6	85
81	Catalytic Reduction of Alkyl and Aryl Bromides Using Propanâ€2â€ol. Angewandte Chemie - International Edition, 2017, 56, 15123-15126.	7.2	37
82	Sequential Ruthenium Catalysis for Olefin Isomerization and Oxidation: Application to the Synthesis of Unusual Amino Acids. Journal of the American Chemical Society, 2017, 139, 13944-13949.	6.6	44
83	Enantioselective Catalysis Coupled with Stereodivergent Cyclization Strategies Enables Rapid Syntheses of (+)â€Limaspermidine and (+)â€Kopsihainanineâ€…A. Angewandte Chemie, 2017, 129, 12798-12801.	1.6	14
84	Enantioselective Pd-Catalyzed Decarboxylative Allylic Alkylation of Thiopyranones. Access to Acyclic, Stereogenic Î±-Quaternary Ketones. Organic Letters, 2017, 19, 5007-5009.	2.4	20
85	Enantioselective Catalysis Coupled with Stereodivergent Cyclization Strategies Enables Rapid Syntheses of (+)â€Limaspermidine and (+)â€Kopsihainanineâ€…A. Angewandte Chemie - International Edition, 2017, 56, 12624-12627.	7.2	46
86	Enantioselective Synthesis of Acyclic Î±â€Quaternary Carboxylic Acid Derivatives through Iridiumâ€Catalyzed Allylic Alkylation. Angewandte Chemie, 2017, 129, 11703-11706.	1.6	25
87	Enantioselective Synthesis of Acyclic Î±â€Quaternary Carboxylic Acid Derivatives through Iridiumâ€Catalyzed Allylic Alkylation. Angewandte Chemie - International Edition, 2017, 56, 11545-11548.	7.2	82
88	Enantioselective Total Synthesis of Nigelladine A via Late-Stage Câ€“H Oxidation Enabled by an Engineered P450 Enzyme. Journal of the American Chemical Society, 2017, 139, 10196-10199.	6.6	98
89	Catalytic Reduction of Alkyl and Aryl Bromides Using Propanâ€2â€ol. Angewandte Chemie, 2017, 129, 15319-15322.	1.6	7
90	Model Studies To Access the [6,7,5,5]-Core of Ineleganolide Using Tandem Translactonizationâ€“Cope or Cyclopropanationâ€“Cope Rearrangements as Key Steps. Journal of Organic Chemistry, 2017, 82, 13051-13067.	1.7	16

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91	Asymmetric synthesis of all-carbon quaternary spirocycles via a catalytic enantioselective allylic alkylation strategy. Tetrahedron Letters, 2017, 58, 3341-3343.	0.7	7
92	Enantioselective, convergent synthesis of the ineleganolide core by a tandem annulation cascade. Chemical Science, 2017, 8, 507-514.	3.7	36
93	A Fischer Indolization Strategy toward the Total Synthesis of (â€“)-Goniomitine. Heterocycles, 2017, 95, 1245.	0.4	13
94	Ni-Catalyzed Enantioselective C-Acylation of Î±-Substituted Lactams. Journal of the American Chemical Society, 2016, 138, 8997-9000.	6.6	33
95	Synthetic Applications and Methodological Developments of Donorâ˜Acceptor Cyclopropanes and Related Compounds. Israel Journal of Chemistry, 2016, 56, 431-444.	1.0	61
96	Nickelâ€Catalyzed Intramolecular Câ˜O Bond Formation: Synthesis of Cyclic Enol Ethers. Angewandte Chemie - International Edition, 2016, 55, 7437-7440.	7.2	38
97	Label-free detection of single nanoparticles and biological molecules using microtoroid optical resonators. Light: Science and Applications, 2016, 5, e16001-e16001.	7.7	156
98	Enantioselective Synthesis of Caprolactam and Enone Precursors to the Heterocyclic DEFG Ring System of Zoanthenol. European Journal of Organic Chemistry, 2016, 2016, 2101-2104.	1.2	11
99	Nickelâ€Catalyzed Intramolecular Câ˜O Bond Formation: Synthesis of Cyclic Enol Ethers. Angewandte Chemie, 2016, 128, 7563-7566.	1.6	12
100	Iridiumâ€Catalyzed Stereoselective Allylic Alkylation Reactions with Crotyl Chloride. Angewandte Chemie, 2016, 128, 16326-16329.	1.6	19
101	Enantioselective Î³-Alkylation of Î±,Î²-Unsaturated Malonates and Ketoesters by a Sequential Ir-Catalyzed Asymmetric Allylic Alkylation/Cope Rearrangement. Journal of the American Chemical Society, 2016, 138, 5234-5237.	6.6	104
102	A mild and efficient approach to enantioenriched Î±-hydroxyethyl Î±,Î²-unsaturated Î´-lactams. Tetrahedron Letters, 2016, 57, 2233-2235.	0.7	8
103	Enantioselective Pdâ€Catalyzed Allylic Alkylation Reactions of Dihydropyrido[1,2â€a]indolone Substrates: Efficient Syntheses of (â˜)â€Goniomitine, (+)â€Aspidospermidine, and (â˜)â€Quebrachamine. Angewandte Chemie, 2016, 128, 13727-13730.	1.6	23
104	Enantioselective Pdâ€Catalyzed Allylic Alkylation Reactions of Dihydropyrido[1,2â€a]indolone Substrates: Efficient Syntheses of (â˜)â€Goniomitine, (+)â€Aspidospermidine, and (â˜)â€Quebrachamine. Angewandte Chemie - International Edition, 2016, 55, 13529-13532.	7.2	60
105	Catalytic Anti-Markovnikov Transformations of Hindered Terminal Alkenes Enabled by Aldehyde-Selective Wacker-Type Oxidation. Journal of the American Chemical Society, 2016, 138, 13179-13182.	6.6	57
106	Escherichia coli K1 Modulates Peroxisome Proliferatorâ€“Activated Receptor Î³ and Glucose Transporter 1 at the Blood-Brain Barrier in Neonatal Meningitis. Journal of Infectious Diseases, 2016, 214, 1092-1104.	1.9	11
107	Iridium-Catalyzed Diastereo-, Enantio-, and Regioselective Allylic Alkylation with Prochiral Enolates. ACS Catalysis, 2016, 6, 6207-6213.	5.5	166
108	Iridiumâ€Catalyzed Stereoselective Allylic Alkylation Reactions with Crotyl Chloride. Angewandte Chemie - International Edition, 2016, 55, 16092-16095.	7.2	46

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109	Palladium-Catalyzed Aerobic Intramolecular Aminoacetoxylation of Alkenes Enabled by Catalytic Nitrate. Organic Letters, 2016, 18, 5449-5451.	2.4	26
110	A Second-Generation Synthesis of the Cyanthiwigin Natural Product Core. Organic Letters, 2016, 18, 5720-5723.	2.4	22
111	Synthesis of Aryl Ketoamides via Aryne Insertion into Imides. Organic Letters, 2016, 18, 2793-2795.	2.4	50
112	Catalytic enantioselective total synthesis of (+)-eucomic acid. Tetrahedron, 2016, 72, 3707-3712.	1.0	12
113	Total Synthesis and Characterization of 7-Hypoquinuclidonium Tetrafluoroborate and 7-Hypoquinuclidone BF₃ Complex. Journal of the American Chemical Society, 2016, 138, 969-974.	6.6	55
114	Preparation of (S)â€•tert â€•<scp>ButylPyOx</scp> and Palladiumâ€Catalyzed Asymmetric Conjugate Addition of Arylboronic Acids. , 2016, 92, 247-266.		2
115	Preparation of 1,5-Dioxaspiro[5.5]undecan-3-one. Organic Syntheses, 2016, 93, 210-227.	1.0	3
116	An Efficient Protocol for the Palladiumâ€Catalyzed Asymmetric Decarboxylative Allylic Alkylation Using Low Palladium Concentrations and a Palladium(II) Precatalyst. Advanced Synthesis and Catalysis, 2015, 357, 2238-2245.	2.1	21
117	Palladiumâ€Catalyzed Decarbonylative Dehydration for the Synthesis of Î±â€Vinyl Carbonyl Compounds and Total Synthesis of (â^')â€Aspewentinsâ€…A, B, and C. Angewandte Chemie - International Edition, 2015, 54, 11800-11803.	7.2	44
118	Mechanistic analysis of an asymmetric palladium-catalyzed conjugate addition of arylboronic acids to Î²-substituted cyclic enones. Chemical Science, 2015, 6, 1917-1922.	3.7	28
119	Exceedingly Efficient Synthesis of (Â±)-Grandifloracin and Acylated Analogues. Organic Letters, 2015, 17, 3008-3010.	2.4	28
120	Highly functionalized donorâ€“acceptor cyclopropanes applied toward the synthesis of the Melodinus alkaloids. Tetrahedron Letters, 2015, 56, 2983-2990.	0.7	21
121	Silylation of Câ€“H bonds in aromatic heterocycles by an Earth-abundant metal catalyst. Nature, 2015, 518, 80-84.	13.7	351
122	Selective syntheses of leuconolam, leuconoxine, and mersicarpine alkaloids from a common intermediate through regiocontrolled cyclizations by Staudinger reactions. Organic Chemistry Frontiers, 2015, 2, 236-240.	2.3	33
123	Enantioselective Synthesis of Î±-Quaternary Mannich Adducts by Palladium-Catalyzed Allylic Alkylation: Total Synthesis of (+)-Sibirinine. Journal of the American Chemical Society, 2015, 137, 1040-1043.	6.6	72
124	Catalytic Enantioselective Construction of Quaternary Stereocenters: Assembly of Key Building Blocks for the Synthesis of Biologically Active Molecules. Accounts of Chemical Research, 2015, 48, 740-751.	7.6	645
125	Enantioselective Synthesis of Dialkylated N-Heterocycles by Palladium-Catalyzed Allylic Alkylation. Organic Letters, 2015, 17, 1082-1085.	2.4	54
126	Construction of tertiary chiral centers by Pd-catalyzed asymmetric allylic alkylation of prochiral enolate equivalents. Tetrahedron, 2015, 71, 6349-6353.	1.0	18

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127	Palladium-Catalyzed Asymmetric Conjugate Addition of Arylboronic Acids to Î±,Î²-Unsaturated Cyclic Electrophiles. Organic Process Research and Development, 2015, 19, 974-981.	1.3	57
128	Synthesis and exploration of electronically modified (R)-5,5-dimethyl-(p-CF3)3-i-PrPHOX in palladium-catalyzed enantio- and diastereoselective allylic alkylation: a practical alternative to (R)-(p-CF3)3-t-BuPHOX. Tetrahedron Letters, 2015, 56, 4670-4673.	0.7	16
129	Stereochemical evaluation of bis(phosphine) copper catalysts for the asymmetric alkylation of 3-bromooxindoles with Î±-arylated malonate esters. Tetrahedron, 2015, 71, 3666-3670.	1.0	12
130	Synthesis of diverse Î²-quaternary ketones via palladium-catalyzed asymmetric conjugate addition of arylboronic acids to cyclic enones. Tetrahedron, 2015, 71, 5781-5792.	1.0	34
131	Catalytic Câ€“H bond silylation of aromatic heterocycles. Nature Protocols, 2015, 10, 1897-1903.	5.5	47
132	Palladium-Catalyzed Enantioselective Decarboxylative Allylic Alkylation of Cyclopentanones. Organic Letters, 2015, 17, 5160-5163.	2.4	39
133	Palladium(II)â€Catalyzed Allylic Cï¿¿H Oxidation of Hindered Substrates Featuring Tunable Selectivity Over Extent of Oxidation. Angewandte Chemie - International Edition, 2015, 54, 11186-11190.	7.2	33
134	Enantioselective Synthesis of Î±â€Secondary and Î±â€Tertiary Piperazinâ€2â€ones and Piperazines by Catalytic Asymmetric Allylic Alkylation. Angewandte Chemie - International Edition, 2015, 54, 179-183.	7.2	80
135	Evolution of a Unified, Stereodivergent Approach to the Synthesis of Communesin F and Perophoramidine. Journal of Organic Chemistry, 2015, 80, 528-547.	1.7	62
136	Formal total syntheses of classic natural product target molecules via palladium-catalyzed enantioselective alkylation. Beilstein Journal of Organic Chemistry, 2014, 10, 2501-2512.	1.3	19
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