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	NMR Chemical Shifts of Trace Impurities: Common Laboratory Solvents, Organics, and Gases in Deuterated Solvents Relevant to the Organometallic Chemist. Organometallics, 2010, 29, 2176-2179.	1.1	3,142
2	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
3	The Enantioselective Tsuji Allylation. Journal of the American Chemical Society, 2004, 126, 15044-15045.	6.6	519
4	Catalytic Câ^'H Bond Functionalization with Palladium(II):â€‰ Aerobic Oxidative Annulations of Indoles. Journal of the American Chemical Society, 2003, 125, 9578-9579.	6.6	400
5	Deracemization of Quaternary Stereocenters by Pd-Catalyzed Enantioconvergent Decarboxylative Allylation of Racemic Î²-Ketoesters. Angewandte Chemie - International Edition, 2005, 44, 6924-6927.	7.2	351
6	Silylation of Câ€“H bonds in aromatic heterocycles by an Earth-abundant metal catalyst. Nature, 2015, 518, 80-84.	13.7	351
7	Enantioselective Tsuji Allylations. Chemistry - an Asian Journal, 2007, 2, 1476-1491.	1.7	333
8	The Construction of Allâ€Carbon Quaternary Stereocenters by Use of Pdâ€Catalyzed Asymmetric Allylic Alkylation Reactions in Total Synthesis. European Journal of Organic Chemistry, 2013, 2013, 2745-2759.	1.2	314
9	The CryoEM Method MicroED as a Powerful Tool for Small Molecule Structure Determination. ACS Central Science, 2018, 4, 1587-1592.	5.3	307
10	Reversible inhibitor of p97, DBeQ, impairs both ubiquitin-dependent and autophagic protein clearance pathways. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4834-4839.	3.3	281
11	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
12	The total synthesis of (-)-cyanthiwigin F by means of double catalytic enantioselective alkylation. Nature, 2008, 453, 1228-1231.	13.7	266
13	Synthesis and structural analysis of 2-quinuclidonium tetrafluoroborate. Nature, 2006, 441, 731-734.	13.7	241
14	Palladium Catalyzed Aerobic Dehydrogenation: From Alcohols to Indoles and Asymmetric Catalysis. Chemistry Letters, 2004, 33, 362-367.	0.7	229
15	Natural products as inspiration for the development of asymmetric catalysis. Nature, 2008, 455, 323-332.	13.7	215
16	Enantioselective construction of quaternary N-heterocycles by palladium-catalysed decarboxylative allylic alkylation of lactams. Nature Chemistry, 2012, 4, 130-133.	6.6	214
17	Palladium-Catalyzed Asymmetric Conjugate Addition of Arylboronic Acids to Five-, Six-, and Seven-Membered Î²-Substituted Cyclic Enones: Enantioselective Construction of All-Carbon Quaternary Stereocenters. Journal of the American Chemical Society, 2011, 133, 6902-6905.	6.6	212
18	Toward a Symphony of Reactivity: Cascades Involving Catalysis and Sigmatropic Rearrangements. Angewandte Chemie - International Edition, 2014, 53, 2556-2591.	7.2	202

#	Article	IF	Citations
19	Catalytic Enantioselective Stereoablative Alkylation of 3â€Halooxindoles: Facile Access to Oxindoles with C3 Allâ€Carbon Quaternary Stereocenters. Angewandte Chemie - International Edition, 2009, 48, 8037-8041.	7.2	196
20	Enantio-, Diastereo-, and Regioselective Iridium-Catalyzed Asymmetric Allylic Alkylation of Acyclic Î²-Ketoesters. Journal of the American Chemical Society, 2013, 135, 17298-17301.	6.6	196
21	Enantioselective Formation of Quaternary Centers by Allylic Alkylation with First-Row Transition-Metal Catalysts. Chemical Reviews, 2021, 121, 4084-4099.	23.0	192
22	Construction of Vicinal Tertiary and All-Carbon Quaternary Stereocenters via Ir-Catalyzed Regio-, Diastereo-, and Enantioselective Allylic Alkylation and Applications in Sequential Pd Catalysis. Journal of the American Chemical Society, 2013, 135, 10626-10629.	6.6	187
23	Asymmetric Synthesis of QUINAP via Dynamic Kinetic Resolution. Journal of the American Chemical Society, 2013, 135, 16829-16832.	6.6	187
24	The Catalytic Asymmetric Total Synthesis of Elatol. Journal of the American Chemical Society, 2008, 130, 810-811.	6.6	183
25	Enantioselective Decarboxylative Alkylation Reactions: Catalyst Development, Substrate Scope, and Mechanistic Studies. Chemistry - A European Journal, 2011, 17, 14199-14223.	1.7	180
26	Iridium-Catalyzed Diastereo-, Enantio-, and Regioselective Allylic Alkylation with Prochiral Enolates. ACS Catalysis, 2016, 6, 6207-6213.	5.5	166
27	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
28	Label-free detection of single nanoparticles and biological molecules using microtoroid optical resonators. Light: Science and Applications, 2016, 5, e16001-e16001.	7.7	156
29	Catalytic Enantioselective Decarboxylative Protonation. Journal of the American Chemical Society, 2006, 128, 11348-11349.	6.6	149
30	Gas Phase Production and Loss of Isoprene Epoxydiols. Journal of Physical Chemistry A, 2014, 118, 1237-1246.	1.1	149
31	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
32	Mechanism and Enantioselectivity in Palladium-Catalyzed Conjugate Addition of Arylboronic Acids to Î²-Substituted Cyclic Enones: Insights from Computation and Experiment. Journal of the American Chemical Society, 2013, 135, 14996-15007.	6.6	131
33	The Inner-Sphere Process in the Enantioselective Tsuji Allylation Reaction with (S)-t-Bu-phosphinooxazoline Ligands. Journal of the American Chemical Society, 2007, 129, 11876-11877.	6.6	129
34	Recent Advances in Homogeneous Catalysts for the Asymmetric Hydrogenation of Heteroarenes. ACS Catalysis, 2020, 10, 13834-13851.	5.5	125
35	Regioselective Reactions of Highly Substituted Arynes. Organic Letters, 2010, 12, 1224-1227.	2.4	123
36	A Facile and Modular Synthesis of Phosphinooxazoline Ligands. Organic Letters, 2007, 9, 2529-2531.	2.4	122

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37	Biomimetic approach to communesin B (a.k.a. nomofungin). Tetrahedron Letters, 2003, 44, 1203-1205.	0.7	120
38	A palladium-catalysed enolate alkylation cascade for the formation of adjacent quaternary and tertiary stereocentres. Nature Chemistry, 2010, 2, 192-196.	6.6	114
39	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
40	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
41	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
42	The Reaction Mechanism of the Enantioselective Tsuji Allylation: Inner-Sphere and Outer-Sphere Pathways, Internal Rearrangements, and Asymmetric Câ€“C Bond Formation. Journal of the American Chemical Society, 2012, 134, 19050-19060.	6.6	103
43	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
44	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
45	Unusual Allylpalladium Carboxylate Complexes: Identification of the Resting State of Catalytic Enantioselective Decarboxylative Allylic Alkylation Reactions of Ketones. Angewandte Chemie - International Edition, 2009, 48, 6840-6843.	7.2	93
46	Catalytic Enantioselective Approach to the Eudesmane Sesquiterpenoids: Total Synthesis of (+)-Carissone. Organic Letters, 2009, 11, 289-292.	2.4	91
47	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
48	Concise total syntheses of (â€“)-jorunnamycin A and (â€“)-jorumycin enabled by asymmetric catalysis. Science, 2019, 363, 270-275.	6.0	87
49	Non-Carbonyl-Stabilized Metallocarbenoids in Synthesis:Â The Development of a Tandem Rhodium-Catalyzed Bamfordâ^Stevens/Thermal Aliphatic Claisen Rearrangement Sequence. Journal of the American Chemical Society, 2002, 124, 12426-12427.	6.6	86
50	Alkali Metal-Hydroxide-Catalyzed C(sp)â€“H Bond silylation. Journal of the American Chemical Society, 2017, 139, 1668-1674.	6.6	85
51	Palladiumâ€Catalyzed Asymmetric Conjugate Addition of Arylboronic Acids to Heterocyclic Acceptors. Chemistry - A European Journal, 2013, 19, 74-77.	1.7	83
52	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
53	Homogeneous Pd-Catalyzed Enantioselective Decarboxylative Protonation. Organic Letters, 2008, 10, 1039-1042.	2.4	81
54	Rapid synthesis of an electron-deficient t-BuPHOX ligand: cross-coupling of aryl bromides with secondary phosphine oxides. Tetrahedron Letters, 2010, 51, 5550-5554.	0.7	81

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55	Enantioselective Construction of Î±â€Quaternary Cyclobutanones by Catalytic Asymmetric Allylic Alkylation. Angewandte Chemie - International Edition, 2013, 52, 6718-6721.	7.2	81
56	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
57	Catalytic Enantioselective Alkylation of Substituted Dioxanone Enol Ethers: Ready Access to C(Î±)â€Tetrasubstituted Hydroxyketones, Acids, and Esters. Angewandte Chemie - International Edition, 2008, 47, 6873-6876.	7.2	79
58	Palladiumâ€Catalyzed Decarbonylative Dehydration of Fatty Acids for the Production of Linear Alpha Olefins. Advanced Synthesis and Catalysis, 2014, 356, 130-136.	2.1	79
59	Polycyclic Furanobutenolide-Derived Cembranoid and Norcembranoid Natural Products: Biosynthetic Connections and Synthetic Efforts. Chemical Reviews, 2017, 117, 7878-7909.	23.0	77
60	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
61	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
62	Catalytic enantioselective stereoablative reactions: an unexploited approach to enantioselective catalysis. Organic and Biomolecular Chemistry, 2007, 5, 3571.	1.5	71
63	Expedient synthesis of 3-hydroxyisoquinolines and 2-hydroxy-1,4-naphthoquinones via one-pot aryne acyl-alkylation/condensation. Organic and Biomolecular Chemistry, 2009, 7, 4960.	1.5	71
64	The Catalytic Enantioselective Total Synthesis of (+)â€Liphagal. Angewandte Chemie - International Edition, 2011, 50, 6814-6818.	7.2	71
65	Enantioselective Synthesis of Vicinal Allâ€Carbon Quaternary Centers via Iridiumâ€Catalyzed Allylic Alkylation. Angewandte Chemie - International Edition, 2018, 57, 8664-8667.	7.2	71
66	The Development of a Facile Tandem Wolff/Cope Rearrangement for the Synthesis of Fused Carbocyclic Skeletons. Journal of the American Chemical Society, 2003, 125, 13624-13625.	6.6	69
67	Enantioselective Total Synthesis of (+)-Cassiol. Organic Letters, 2009, 11, 293-295.	2.4	68
68	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
69	A Diastereodivergent Synthetic Strategy for the Syntheses of Communesin F and Perophoramidine. Organic Letters, 2014, 16, 3316-3319.	2.4	67
70	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
71	Synthetic Applications and Methodological Developments of Donorâ€'Acceptor Cyclopropanes and Related Compounds. Israel Journal of Chemistry, 2016, 56, 431-444.	1.0	61
72	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

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73	Synthetic efforts toward cyathane diterpenoid natural products. Natural Product Reports, 2009, 26, 661.	5.2	58
74	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
75	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
76	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
77	Oxidative Fragmentations and Skeletal Rearrangements of Oxindole Derivatives. Organic Letters, 2017, 19, 988-991.	2.4	55
78	Enantioselective Synthesis of Dialkylated N-Heterocycles by Palladium-Catalyzed Allylic Alkylation. Organic Letters, 2015, 17, 1082-1085.	2.4	54
79	Late-Stage Diversification: A Motivating Force in Organic Synthesis. Journal of the American Chemical Society, 2021, 143, 16890-16901.	6.6	52
80	Intermolecular Stereoselective Iridium-Catalyzed Allylic Alkylation: An Evolutionary Account. Synlett, 2018, 29, 2481-2492.	1.0	51
81	Ringâ€Contraction Strategy for the Practical, Scalable, Catalytic Asymmetric Synthesis of Versatile Î³â€Quaternary Acylcyclopentenes. Angewandte Chemie - International Edition, 2011, 50, 2756-2760.	7.2	50
82	Synthesis of Aryl Ketoamides via Aryne Insertion into Imides. Organic Letters, 2016, 18, 2793-2795.	2.4	50
83	Nickel-catalyzed enantioselective allylic alkylation of lactones and lactams with unactivated allylic alcohols. Chemical Science, 2018, 9, 2547-2551.	3.7	50
84	A general enantioselective route to the chamigrene natural product family. Tetrahedron, 2010, 66, 4668-4686.	1.0	48
85	Catalytic Câ€“H bond silylation of aromatic heterocycles. Nature Protocols, 2015, 10, 1897-1903.	5.5	47
86	Total Syntheses of Cyanthiwigins B, F, and G. Chemistry - A European Journal, 2011, 17, 9957-9969.	1.7	46
87	Iridiumâ€Catalyzed Stereoselective Allylic Alkylation Reactions with Crotyl Chloride. Angewandte Chemie - International Edition, 2016, 55, 16092-16095.	7.2	46
88	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
89	Enantioselective Total Synthesis of the Reported Structures of (âˆ')â€9â€epiâ€Presilphiperfolanâ€1â€ol and (âˆ')â€Presilphiperfolanâ€1â€ol: Structural Confirmation and Reassignment and Biosynthetic Insights. Angewandte Chemie - International Edition, 2012, 51, 9674-9678.	7.2	45
90	Expanding Insight into Asymmetric Palladiumâ€Catalyzed Allylic Alkylation of Nâ€Heterocyclic Molecules and Cyclic Ketones. Chemistry - A European Journal, 2013, 19, 4414-4418.	1.7	45

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91	Development of (Trimethylsilyl)ethyl Ester Protected Enolates and Applications in Palladium-Catalyzed Enantioselective Allylic Alkylation: Intermolecular Cross-Coupling of Functionalized Electrophiles. Organic Letters, 2014, 16, 2314-2317.	2.4	45
92	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
93	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
94	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
95	Palladium-Catalyzed Enantioselective Decarboxylative Allylic Alkylation of Cyclopentanones. Organic Letters, 2015, 17, 5160-5163.	2.4	39
96	Characterization of Reactive Organometallic Species via MicroED. ACS Central Science, 2019, 5, 1507-1513.	5.3	39
97	Preparation of 3,3-disubstituted oxindoles by addition of malonates to 3-halo-3-oxindoles. Tetrahedron Letters, 2007, 48, 7571-7573.	0.7	38
98	Nickelâ€Catalyzed Intramolecular Câ^'O Bond Formation: Synthesis of Cyclic Enol Ethers. Angewandte Chemie - International Edition, 2016, 55, 7437-7440.	7.2	38
99	Cycloadditions of Oxacyclic Allenes and a Catalytic Asymmetric Entryway to Enantioenriched Cyclic Allenes. Angewandte Chemie - International Edition, 2019, 58, 5653-5657.	7.2	38
100	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
101	Catalytic Reduction of Alkyl and Aryl Bromides Using Propanâ€2â€ol. Angewandte Chemie - International Edition, 2017, 56, 15123-15126.	7.2	37
102	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
103	Progress toward the Total Synthesis of Saudin:â€‰ Development of a Tandem Stille-Oxa-Electrocyclization Reaction. Organic Letters, 2005, 7, 2413-2416.	2.4	36
104	Enantioselective, convergent synthesis of the ineleganolide core by a tandem annulation cascade. Chemical Science, 2017, 8, 507-514.	3.7	36
105	Total Synthesis of the Norhasubanan Alkaloid Stephadiamine. Journal of the American Chemical Society, 2018, 140, 8675-8680.	6.6	36
106	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
107	PREPARATION OF (S)-tert-ButylPHOX. Organic Syntheses, 2009, 86, 181.	1.0	36
108	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

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109	Palladium-catalyzed enantioselective decarboxylative allylic alkylation of fully substituted N-acyl indole-derived enol carbonates. Chemical Science, 2019, 10, 5996-6000.	3.7	34
110	A General Approach to the Basiliolide/Transtaganolide Natural Products: Total Syntheses of Basiliolideâ€…B, epiâ€8âEBasiliolideâ€…B, Transtaganolideâ€…C, and Transtaganolideâ€…D. Angewandte Chemie - International Edition, 2011, 50, 3688-3691.	7.2	33
111	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
112	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
113	Ni-Catalyzed Enantioselective C-Acylation of Î±-Substituted Lactams. Journal of the American Chemical Society, 2016, 138, 8997-9000.	6.6	33
114	Palladium-catalyzed asymmetric alkylation in the synthesis of cyclopentanoid and cycloheptanoid core structures bearing all-carbon quaternary stereocenters. Tetrahedron, 2011, 67, 10234-10248.	1.0	32
115	Iridium-Catalyzed Enantioselective and Diastereoselective Hydrogenation of 1,3-Disubstituted Isoquinolines. ACS Catalysis, 2020, 10, 3241-3248.	5.5	32
116	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
117	Intramolecular Hydrogen Shift Chemistry of Hydroperoxy-Substituted Peroxy Radicals. Journal of Physical Chemistry A, 2019, 123, 590-600.	1.1	31
118	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
119	Convergent and Diastereoselective Synthesis of the Polycyclic Pyran Core of Saudin. Journal of Organic Chemistry, 2006, 71, 8357-8364.	1.7	30
120	Synthesis of 2-Quinuclidonium by Eliminating Water:Â Experimental Quantification of the High Basicity of Extremely Twisted Amides. Journal of the American Chemical Society, 2007, 129, 1864-1865.	6.6	30
121	The Total Synthesis of (âˆ')-Scabrolide A. Journal of the American Chemical Society, 2020, 142, 8585-8590.	6.6	30
122	Synthesis of enantioenriched Î³-quaternary cycloheptenones using a combined allylic alkylation/Storkâ€“Danheiser approach: preparation of mono-, bi-, and tricyclic systems. Organic and Biomolecular Chemistry, 2012, 10, 56-59.	1.5	29
123	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
124	PREPARATION OF (S)-2-ALLYL-2-METHYLCYCLOHEXANONE. Organic Syntheses, 2009, 86, 194.	1.0	29
125	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
126	Exceedingly Efficient Synthesis of (Â±)-Grandifloracin and Acylated Analogues. Organic Letters, 2015, 17, 3008-3010.	2.4	28

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127	Enantioselective Iridium-Catalyzed Allylic Alkylation Reactions of Masked Acyl Cyanide Equivalents. Organic Letters, 2017, 19, 1527-1529.	2.4	28
128	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
129	Enantioselective synthesis of gem-disubstituted N-Boc diazaheterocycles via decarboxylative asymmetric allylic alkylation. Chemical Science, 2019, 10, 788-792.	3.7	28
130	Modularity: Adding New Dimensions to Total Synthesis. Trends in Chemistry, 2019, 1, 630-643.	4.4	28
131	Palladium-Catalyzed Aerobic Intramolecular Aminoacetoxylation of Alkenes Enabled by Catalytic Nitrate. Organic Letters, 2016, 18, 5449-5451.	2.4	26
132	Enantioselective Alkynylation of Trifluoromethyl Ketones Catalyzed by Cationâ€Binding Salen Nickel Complexes. Angewandte Chemie - International Edition, 2020, 59, 775-779.	7.2	26
133	Enantioselective Synthesis of Acyclic Î±â€Quaternary Carboxylic Acid Derivatives through Iridiumâ€Catalyzed Allylic Alkylation. Angewandte Chemie, 2017, 129, 11703-11706.	1.6	25
134	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
135	Enantioselective Synthesis of Vicinal Allâ€Carbon Quaternary Centers via Iridiumâ€Catalyzed Allylic Alkylation. Angewandte Chemie, 2018, 130, 8800-8803.	1.6	24
136	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
137	Atroposelective Synthesis of PINAP via Dynamic Kinetic Asymmetric Transformation. Advanced Synthesis and Catalysis, 2019, 361, 441-444.	2.1	23
138	Enantioselective Synthesis of the 5â€“6â€“7 Carbocyclic Core of the Gagunin Diterpenoids. Organic Letters, 2013, 15, 3480-3483.	2.4	22
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