

Barry M Trost

List of Publications by Year in descending order

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1,017
papers

93,992
citations

279

140
h-index

1022

235
g-index

1240
all docs

1240
docs citations

1240
times ranked

22234
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Transition Metal-Catalyzed Allylic Alkylations. <i>Chemical Reviews</i> , 1996, 96, 395-422.	23.0	2,960
2	Asymmetric Transition-Metal-Catalyzed Allylic Alkylations: Applications in Total Synthesis. <i>Chemical Reviews</i> , 2003, 103, 2921-2944.	23.0	2,548
3	Atom Economy—A Challenge for Organic Synthesis: Homogeneous Catalysis Leads the Way. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 259-281.	4.4	2,442
4	On Inventing Reactions for Atom Economy. <i>Accounts of Chemical Research</i> , 2002, 35, 695-705.	7.6	1,233
5	Asymmetric Syntheses of Oxindole and Indole Spirocyclic Alkaloid Natural Products. <i>Synthesis</i> , 2009, 2009, 3003-3025.	1.2	995
6	Catalytic Enantioselective Construction of All-Carbon Quaternary Stereocenters. <i>Synthesis</i> , 2006, 2006, 369-396.	1.2	942
7	Green chemistry for chemical synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13197-13202.	3.3	764
8	Non-Metathesis Ruthenium-Catalyzed C—C Bond Formation. <i>Chemical Reviews</i> , 2001, 101, 2067-2096.	23.0	756
9	The direct catalytic asymmetric aldol reaction. <i>Chemical Society Reviews</i> , 2010, 39, 1600.	18.7	681
10	New rules of selectivity: allylic alkylations catalyzed by palladium. <i>Accounts of Chemical Research</i> , 1980, 13, 385-393.	7.6	643
11	Atomökonomische Synthesen — eine Herausforderung in der Organischen Chemie: die Homogenkatalyse als wegweisende Methode. <i>Angewandte Chemie</i> , 1995, 107, 285-307.	1.6	628
12	On the use of the O-methylmandelate ester for establishment of absolute configuration of secondary alcohols. <i>Journal of Organic Chemistry</i> , 1986, 51, 2370-2374.	1.7	601
13	A modular approach for ligand design for asymmetric allylic alkylations via enantioselective palladium-catalyzed ionizations. <i>Journal of the American Chemical Society</i> , 1992, 114, 9327-9343.	6.6	528
14	Palladium-Catalyzed Enantioselective C-3 Allylation of 3-Substituted-1H-Indoles Using Trialkylboranes. <i>Journal of the American Chemical Society</i> , 2006, 128, 6314-6315.	6.6	507
15	Ruthenium-Catalyzed Reactions—A Treasure Trove of Atom-Economic Transformations. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6630-6666.	7.2	504
16	Asymmetric Allylic Alkylation, an Enabling Methodology. <i>Journal of Organic Chemistry</i> , 2004, 69, 5813-5837.	1.7	498
17	New synthetic reactions. Sulfonylations and dehydrosulfonylations of esters and ketones. <i>Journal of the American Chemical Society</i> , 1976, 98, 4887-4902.	6.6	478
18	Predicting the Stereochemistry of Diphenylphosphino Benzoic Acid (DPPBA)-Based Palladium-Catalyzed Asymmetric Allylic Alkylation Reactions: A Working Model. <i>Accounts of Chemical Research</i> , 2006, 39, 747-760.	7.6	478

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19	A Direct Catalytic Enantioselective Aldol Reaction via a Novel Catalyst Design. <i>Journal of the American Chemical Society</i> , 2000, 122, 12003-12004.	6.6	474
20	Palladium-catalyzed cycloisomerizations of enynes and related reactions. <i>Accounts of Chemical Research</i> , 1990, 23, 34-42.	7.6	472
21	[3+2] Cycloaddition Approaches to Five-Membered Rings via Trimethylenemethane and Its Equivalents [New Synthetic Methods (55)]. <i>Angewandte Chemie International Edition in English</i> , 1986, 25, 1-20.	4.4	471
22	The Enantioselective Addition of Alkyne Nucleophiles to Carbonyl Groups. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 963-983.	2.1	437
23	Organopalladium intermediates in organic synthesis. <i>Tetrahedron</i> , 1977, 33, 2615-2649.	1.0	416
24	.alpha.-Sulfonylated carbonyl compounds in organic synthesis. <i>Chemical Reviews</i> , 1978, 78, 363-382.	23.0	408
25	Chemoselective oxidation of sulfides to sulfones with potassium hydrogen persulfate. <i>Tetrahedron Letters</i> , 1981, 22, 1287-1290.	0.7	407
26	Transition Metal Catalyzed Cycloisomerizations. <i>Synlett</i> , 1998, 1998, 1-16.	1.0	401
27	Designing a Receptor for Molecular Recognition in a Catalytic Synthetic Reaction:â€‰ Allylic Alkylation. <i>Accounts of Chemical Research</i> , 1996, 29, 355-364.	7.6	398
28	Enantioselective Construction of Spirocyclic Oxindolic Cyclopentanes by Palladium-Catalyzed Trimethylenemethane-[3+2]-Cycloaddition. <i>Journal of the American Chemical Society</i> , 2007, 129, 12396-12397.	6.6	398
29	Catalytic asymmetric allylic alkylation employing heteroatom nucleophiles: a powerful method for Câ€‰X bond formation. <i>Chemical Science</i> , 2010, 1, 427.	3.7	350
30	New synthetic reactions. Allylic alkylation. <i>Journal of the American Chemical Society</i> , 1973, 95, 292-294.	6.6	348
31	A model for metal-templated catalytic asymmetric induction via .pi.-allyl fragments. <i>Organometallics</i> , 1985, 4, 1143-1145.	1.1	343
32	Alkyne Hydrosilylation Catalyzed by a Cationic Ruthenium Complex:â€‰ Efficient and General Trans Addition. <i>Journal of the American Chemical Society</i> , 2005, 127, 17644-17655.	6.6	343
33	A Direct Catalytic Asymmetric Mannich-type Reaction to syn-Amino Alcohols. <i>Journal of the American Chemical Society</i> , 2003, 125, 338-339.	6.6	336
34	A Dinuclear Zn Catalyst for the Asymmetric Nitroaldol (Henry) Reaction We thank the National Science Foundation and the National Institutes of Health, General Medical Sciences, for their generous support of our programs. Mass spectra were provided by the Mass Spectrometry Facility of the University of California, San Francisco, supported by the NIH Division of Research Resources.. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 861.	7.2	331
35	Palladium-Catalyzed Additions of Terminal Alkynes to Acceptor Alkynes. <i>Journal of the American Chemical Society</i> , 1997, 119, 698-708.	6.6	330
36	Asymmetric Aldol Reaction via a Dinuclear Zinc Catalyst:â€‰ β -Hydroxyketones as Donors. <i>Journal of the American Chemical Society</i> , 2001, 123, 3367-3368.	6.6	305

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37	Pd Asymmetric Allylic Alkylation (AAA). A Powerful Synthetic Tool.. Chemical and Pharmaceutical Bulletin, 2002, 50, 1-14.	0.6	300
38	Cyclizations via Palladium-Catalyzed Allylic Alkylations[New Synthetic Methods(79)]. Angewandte Chemie International Edition in English, 1989, 28, 1173-1192.	4.4	293
39	Markovnikov Alkyne Hydrosilylation Catalyzed by Ruthenium Complexes. Journal of the American Chemical Society, 2001, 123, 12726-12727.	6.6	278
40	Allylic alkylation. Palladium-catalyzed substitutions of allylic carboxylates. Stereo- and regiochemistry. Journal of the American Chemical Society, 1980, 102, 4730-4743.	6.6	277
41	Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation of Enol Carbonates. Journal of the American Chemical Society, 2009, 131, 18343-18357.	6.6	276
42	Regio- and Enantioselective Pd-Catalyzed Allylic Alkylation of Ketones through Allyl Enol Carbonates. Journal of the American Chemical Society, 2005, 127, 2846-2847.	6.6	268
43	Effect of Ligand Structure on the Zinc-Catalyzed Henry Reaction. Asymmetric Syntheses of (âˆš)-Denopamine and (âˆš)-Arbutamine. Organic Letters, 2002, 4, 2621-2623.	2.4	260
44	Palladium-Catalyzed Asymmetric Alkylation of Ketone Enolates. Journal of the American Chemical Society, 1999, 121, 6759-6760.	6.6	258
45	Asymmetric induction in allylic alkylations of 3-(acyloxy)cycloalkenes. Journal of the American Chemical Society, 1994, 116, 4089-4090.	6.6	257
46	Asymmetric Molybdenum-Catalyzed Alkylations. Journal of the American Chemical Society, 1998, 120, 1104-1105.	6.6	253
47	Chemoselectivity in the ruthenium-catalyzed redox isomerization of allyl alcohols. Journal of the American Chemical Society, 1993, 115, 2027-2036.	6.6	245
48	Dynamic Kinetic Asymmetric Transformation of Diene Monoepoxides: A Practical Asymmetric Synthesis of Vinylglycinol, Vigabatrin, and Ethambutol. Journal of the American Chemical Society, 2000, 122, 5968-5976.	6.6	244
49	Dinuclear Zn-Catalyzed Asymmetric Alkynylation of Unsaturated Aldehydes. Journal of the American Chemical Society, 2006, 128, 8-9.	6.6	244
50	Elaboration of Conjugated Alkenes Initiated by Insertion into a Vinylic C-H Bond. Journal of the American Chemical Society, 1995, 117, 5371-5372.	6.6	242
51	Metal-mediated approach to enynes. Journal of the American Chemical Society, 1987, 109, 3486-3487.	6.6	238
52	Neutral alkylations via palladium(0) catalysis. Journal of the American Chemical Society, 1981, 103, 5969-5972.	6.6	234
53	The Palladium Catalyzed Asymmetric Addition of Oxindoles and Allenes: An Atom-Economical Versatile Method for the Construction of Chiral Indole Alkaloids. Journal of the American Chemical Society, 2011, 133, 20611-20622.	6.6	234
54	Nucleophilic $\hat{\pm}$ -Addition to Alkynoates. A Synthesis of Dehydroamino Acids. Journal of the American Chemical Society, 1997, 119, 7595-7596.	6.6	232

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55	Development of Chiral Sulfoxide Ligands for Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5026-5043.	7.2	232
56	New strategies for the synthesis of vitamin D metabolites via palladium-catalyzed reactions. <i>Journal of the American Chemical Society</i> , 1992, 114, 9836-9845.	6.6	227
57	Transition metal-catalyzed couplings of alkynes to 1,3-enynes: modern methods and synthetic applications. <i>Chemical Society Reviews</i> , 2016, 45, 2212-2238.	18.7	224
58	A Chemoselective Reduction of Alkynes to (E)-Alkenes. <i>Journal of the American Chemical Society</i> , 2002, 124, 7922-7923.	6.6	223
59	Total synthesis of bryostatin 16 using atom-economical and chemoselective approaches. <i>Nature</i> , 2008, 456, 485-488.	13.7	223
60	Internal redox catalyzed by triphenylphosphine. <i>Journal of the American Chemical Society</i> , 1992, 114, 7933-7935.	6.6	222
61	Ruthenium-Catalyzed Intramolecular [5 + 2] Cycloadditions. <i>Journal of the American Chemical Society</i> , 2000, 122, 2379-2380.	6.6	221
62	Asymmetric O- and C-Alkylation of Phenols. <i>Journal of the American Chemical Society</i> , 1998, 120, 815-816.	6.6	220
63	Atom Economy. Palladium-Catalyzed Formation of Coumarins by Addition of Phenols and Alkynoates via a Net C-H Insertion. <i>Journal of the American Chemical Society</i> , 2003, 125, 4518-4526.	6.6	217
64	Palladium-Catalyzed Asymmetric Allylic \pm -Alkylation of Acyclic Ketones. <i>Journal of the American Chemical Society</i> , 2005, 127, 17180-17181.	6.6	217
65	Asymmetric induction in catalytic allylic alkylation. <i>Journal of the American Chemical Society</i> , 1977, 99, 1649-1651.	6.6	215
66	New conjunctive reagents. 2-Acetoxyethyl-3-allyltrimethylsilane for methylenecyclopentane annulations catalyzed by palladium(0). <i>Journal of the American Chemical Society</i> , 1979, 101, 6429-6432.	6.6	210
67	Palladium-Catalyzed Asymmetric Allylation of Prochiral Nucleophiles: Synthesis of 3-Allyl-3-Aryl Oxindoles. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 308-310.	7.2	207
68	Palladium-Catalyzed Diastereo- and Enantioselective Synthesis of Substituted Cyclopentanes through a Dynamic Kinetic Asymmetric Formal [3+2]-Cycloaddition of Vinyl Cyclopropanes and Alkylidene Azlactones. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6167-6170.	7.2	207
69	A total synthesis of racemic and optically active ibogamine. Utilization and mechanism of a new silver ion assisted palladium catalyzed cyclization. <i>Journal of the American Chemical Society</i> , 1978, 100, 3930-3931.	6.6	205
70	Novel "Umpolung" in C-C Bond Formation Catalyzed by Triphenylphosphine. <i>Journal of the American Chemical Society</i> , 1994, 116, 3167-3168.	6.6	203
71	A Stereospecific Ruthenium-Catalyzed Allylic Alkylation. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1059-1061.	7.2	203
72	An unusual mechanism of a palladium-catalyzed intramolecular carbametalation. A novel palladium-catalyzed rearrangement. <i>Journal of the American Chemical Society</i> , 1988, 110, 1636-1638.	6.6	202

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73	Centenary Lecture. Cyclopentanoids: a challenge for new methodology. <i>Chemical Society Reviews</i> , 1982, 11, 141.	18.7	201
74	Palladium-Catalyzed Dynamic Kinetic Asymmetric Transformations of Vinyl Aziridines with Nitrogen Heterocycles: Rapid Access to Biologically Active Pyrroles and Indoles. <i>Journal of the American Chemical Society</i> , 2010, 132, 15800-15807.	6.6	201
75	Molybdenum-Catalyzed Asymmetric Allylation of 3-Alkyloxindoles: Application to the Formal Total Synthesis of (±)-Physostigmine. <i>Journal of the American Chemical Society</i> , 2006, 128, 4590-4591.	6.6	199
76	A Direct Catalytic Asymmetric Mannich-type Reaction via a Dinuclear Zinc Catalyst: Synthesis of Either anti- or syn-1-Hydroxy-2-Amino Ketones. <i>Journal of the American Chemical Society</i> , 2006, 128, 2778-2779.	6.6	199
77	Asymmetric Friedel-Crafts Alkylation of Pyrroles with Nitroalkenes Using a Dinuclear Zinc Catalyst. <i>Journal of the American Chemical Society</i> , 2008, 130, 2438-2439.	6.6	198
78	Phosphine-Catalyzed Isomerization-Addition of Oxygen Nucleophiles to 2-Alkynoates. <i>Journal of the American Chemical Society</i> , 1994, 116, 10819-10820.	6.6	197
79	Callipeltoside A: Total Synthesis, Assignment of the Absolute and Relative Configuration, and Evaluation of Synthetic Analogues. <i>Journal of the American Chemical Society</i> , 2002, 124, 10396-10415.	6.6	196
80	A general synthetic strategy toward aminocyclopentitol glycosidase inhibitors. Application of palladium catalysis to the synthesis of allosamizoline and mannostatin A. <i>Journal of the American Chemical Society</i> , 1993, 115, 444-458.	6.6	193
81	Molybdenum catalysts for allylic alkylation. <i>Journal of the American Chemical Society</i> , 1982, 104, 5543-5545.	6.6	190
82	Enantioselective Allylations of Azlactones with Unsymmetrical Acyclic Allyl Esters. <i>Journal of the American Chemical Society</i> , 1999, 121, 10727-10737.	6.6	190
83	Palladium-Catalyzed Asymmetric Addition of Pronucleophiles to Allenes. <i>Journal of the American Chemical Society</i> , 2003, 125, 4438-4439.	6.6	190
84	Asymmetric Alkylation of β -Ketoesters. <i>Journal of the American Chemical Society</i> , 1997, 119, 7879-7880.	6.6	188
85	Pd- and Mo-Catalyzed Asymmetric Allylic Alkylation. <i>Organic Process Research and Development</i> , 2012, 16, 185-194.	1.3	188
86	Transition-metal-controlled synthesis of (+)-aristeromycin and (+)-2',3'-diepi-aristeromycin. An unusual directive effect in hydroxylations. <i>Journal of the American Chemical Society</i> , 1988, 110, 621-622.	6.6	187
87	Metal Vinylidenes as Catalytic Species in Organic Reactions. <i>Chemistry - an Asian Journal</i> , 2008, 3, 164-194.	1.7	185
88	A Catalytic Enantioselective Approach to Chromans and Chromanols. A Total Synthesis of (±)-Calanolides A and B and the Vitamin E Nucleus. <i>Journal of the American Chemical Society</i> , 1998, 120, 9074-9075.	6.6	184
89	Direct Asymmetric Michael Addition to Nitroalkenes: Vinylogous Nucleophilicity under Dinuclear Zinc Catalysis. <i>Journal of the American Chemical Society</i> , 2009, 131, 4572-4573.	6.6	184
90	Cyclization via isomerization: a palladium(2+)-catalyzed carbocyclization of 1,6-enynes to 1,3- and 1,4-dienes. <i>Journal of the American Chemical Society</i> , 1985, 107, 1781-1783.	6.6	183

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91	Asymmetric Ligands for Transition-Metal-Catalyzed Reactions: 2-Diphenylphosphinobenzoyl Derivatives of C2-Symmetric Diols and Diamines. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 228-230.	4.4	183
92	Ruthenium-Catalyzed Vinylsilane Synthesis and Cross-Coupling as a Selective Approach to Alkenes: β -Benzyldimethylsilyl as a Robust Vinylmetal Functionality. <i>Organic Letters</i> , 2003, 5, 1895-1898.	2.4	183
93	Mo-Catalyzed Regio-, Diastereo-, and Enantioselective Allylic Alkylation of 3-Aryloxindoles. <i>Journal of the American Chemical Society</i> , 2007, 129, 14548-14549.	6.6	183
94	A New Palladium-Catalyzed Addition: A Mild Method for the Synthesis of Coumarins. <i>Journal of the American Chemical Society</i> , 1996, 118, 6305-6306.	6.6	182
95	A Ru Catalyzed Divergence: Oxidative Cyclization vs Cycloisomerization of Bis-homopropargylic Alcohols. <i>Journal of the American Chemical Society</i> , 2002, 124, 2528-2533.	6.6	182
96	Direct Catalytic Asymmetric Aldol Additions of Methyl Ynone. Spontaneous Reversal in the Sense of Enantioinduction. <i>Journal of the American Chemical Society</i> , 2004, 126, 2660-2661.	6.6	180
97	Rhodium-Catalyzed Cycloisomerization: Formation of Indoles, Benzofurans, and Enol Lactones. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2074-2077.	7.2	180
98	Exercising Regiocontrol in Palladium-Catalyzed Asymmetric Prenylations and Geranylation: Unifying Strategy toward Flustramines A and B. <i>Journal of the American Chemical Society</i> , 2011, 133, 7328-7331.	6.6	179
99	Metal catalyzed allylic alkylation: its development in the Trost laboratories. <i>Tetrahedron</i> , 2015, 71, 5708-5733.	1.0	178
100	Strategy for Employing Unstabilized Nucleophiles in Palladium-Catalyzed Asymmetric Allylic Alkylations. <i>Journal of the American Chemical Society</i> , 2008, 130, 14092-14093.	6.6	177
101	An Asymmetric Synthesis of the Tricyclic Core and a Formal Total Synthesis of Roseophilin via an Enyne Metathesis. <i>Journal of the American Chemical Society</i> , 2000, 122, 3801-3810.	6.6	175
102	Synthesis of Novel Quaternary Amino Acids Using Molybdenum-Catalyzed Asymmetric Allylic Alkylation. <i>Journal of the American Chemical Society</i> , 2002, 124, 7256-7257.	6.6	175
103	Divergent Enantioselective Synthesis of ($\hat{\alpha}$)-Galanthamine and ($\hat{\alpha}$)-Morphine. <i>Journal of the American Chemical Society</i> , 2005, 127, 14785-14803.	6.6	175
104	Enol thioethers as enol substitutes. An alkylation sequence. <i>Journal of the American Chemical Society</i> , 1983, 105, 5075-5090.	6.6	173
105	Pd-Catalyzed Cycloisomerization to 1,2-Dialkylidene-cycloalkanes. 1. <i>Journal of the American Chemical Society</i> , 1994, 116, 4255-4267.	6.6	173
106	Deracemization of Baylis-Hillman Adducts. <i>Journal of the American Chemical Society</i> , 2000, 122, 3534-3535.	6.6	172
107	Some aspects of organosulfur-mediated synthetic methods. <i>Accounts of Chemical Research</i> , 1978, 11, 453-461.	7.6	171
108	Palladium-Catalyzed Diastereo- and Enantioselective Formal [3 + 2]-Cycloadditions of Substituted Vinylcyclopropanes. <i>Journal of the American Chemical Society</i> , 2012, 134, 17823-17831.	6.6	170

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109	ProPhenol-Catalyzed Asymmetric Additions by Spontaneously Assembled Dinuclear Main Group Metal Complexes. <i>Accounts of Chemical Research</i> , 2015, 48, 688-701.	7.6	170
110	New synthetic reactions. Sulfenylation-dehydrosulfenylation as a method for introduction of unsaturation. <i>Journal of the American Chemical Society</i> , 1973, 95, 6840-6842.	6.6	169
111	Synthesis of Chiral Chromans by the Pd-Catalyzed Asymmetric Allylic Alkylation (AAA): Scope, Mechanism, and Applications. <i>Journal of the American Chemical Society</i> , 2004, 126, 11966-11983.	6.6	169
112	Concise Total Synthesis of (±)-Marcfortine B. <i>Journal of the American Chemical Society</i> , 2007, 129, 3086-3087.	6.6	168
113	Direct Asymmetric Aldol Reactions of Acetone Using Bimetallic Zinc Catalysts. <i>Organic Letters</i> , 2001, 3, 2497-2500.	2.4	166
114	Asymmetric Allylic Alkylation of Cyclic Vinylogous Esters and Thioesters by Pd-Catalyzed Decarboxylation of Enol Carbonate and β -Ketoester Substrates. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3109-3112.	7.2	166
115	Dynamic Kinetic Asymmetric Allylic Alkylations of Allenes. <i>Journal of the American Chemical Society</i> , 2005, 127, 14186-14187.	6.6	163
116	Palladium-mediated cycloaddition approach to cyclopentanoids. Introduction and initial studies. <i>Journal of the American Chemical Society</i> , 1983, 105, 2315-2325.	6.6	162
117	Palladium Asymmetric Allylic Alkylation of Prochiral Nucleophiles: Horsfiline. <i>Organic Letters</i> , 2006, 8, 2027-2030.	2.4	162
118	Tetra-n-butylammonium oxone. Oxidations under anhydrous conditions. <i>Journal of Organic Chemistry</i> , 1988, 53, 532-537.	1.7	159
119	Enantioselective Total Synthesis of (±)-Galanthamine. <i>Journal of the American Chemical Society</i> , 2000, 122, 11262-11263.	6.6	159
120	Steric steering with supported palladium catalysts. <i>Journal of the American Chemical Society</i> , 1978, 100, 7779-7781.	6.6	157
121	Allylic alkylation: preparation of π -allylpalladium complexes from olefins. <i>Journal of the American Chemical Society</i> , 1978, 100, 3407-3415.	6.6	156
122	Asymmetric synthesis of allylic sulfones useful as asymmetric building blocks. <i>Journal of the American Chemical Society</i> , 1995, 117, 9662-9670.	6.6	156
123	A Theoretical Study on the Mechanism, Regiochemistry, and Stereochemistry of Hydrosilylation Catalyzed by Cationic Ruthenium Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 11578-11582.	6.6	156
124	Total Syntheses of Furaquinocin A, B, and E. <i>Journal of the American Chemical Society</i> , 2003, 125, 13155-13164.	6.6	156
125	Cis hydroxyamination equivalent. Application to the synthesis of (-)-acosamine. <i>Journal of the American Chemical Society</i> , 1987, 109, 3792-3794.	6.6	153
126	A palladium-catalyzed [2 + 2] cycloaddition. Mechanism of a Pd-catalyzed enyne metathesis. <i>Journal of the American Chemical Society</i> , 1993, 115, 5294-5295.	6.6	153

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127	Palladium-Catalyzed Kinetic and Dynamic Kinetic Asymmetric Transformation of 5-Acyloxy-2-(5H)-furanone. Enantioselective Synthesis of (±)-Aflatoxin B Lactone. <i>Journal of the American Chemical Society</i> , 1999, 121, 3543-3544.	6.6	153
128	New Class of Nucleophiles for Palladium-Catalyzed Asymmetric Allylic Alkylation. Total Synthesis of Agelastatin A. <i>Journal of the American Chemical Society</i> , 2006, 128, 6054-6055.	6.6	153
129	Pd-Catalyzed Cycloisomerization to 1,2-Dialkylidencycloalkanes. 2. Alternative Catalyst System. <i>Journal of the American Chemical Society</i> , 1994, 116, 4268-4278.	6.6	152
130	A model for asymmetric induction in the Diels-Alder reaction. <i>Journal of the American Chemical Society</i> , 1980, 102, 7595-7596.	6.6	151
131	Ruthenium-Catalyzed Cycloisomerizations of 1,6- and 1,7-Enynes. <i>Journal of the American Chemical Society</i> , 2000, 122, 714-715.	6.6	151
132	Catalytic Asymmetric Alkylation of Nucleophiles: Asymmetric Synthesis of α -Alkylated Amino Acids. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2635-2637.	4.4	150
133	Fünfgliedrige Ringe durch [3+2]-Cycloaddition mit Trimethylenmethan und Syntheseäquivalenten. <i>Angewandte Chemie</i> , 1986, 98, 1-20.	1.6	149
134	Dynamic Kinetic Asymmetric Cycloadditions of Isocyanates to Vinylaziridines. <i>Journal of the American Chemical Society</i> , 2003, 125, 11836-11837.	6.6	149
135	A simple synthesis of dienones via isomerization of alkynones effected by palladium catalysts. <i>Journal of the American Chemical Society</i> , 1988, 110, 2301-2303.	6.6	147
136	Palladium-Catalyzed Regio-, Diastereo-, and Enantioselective Benzylic Allylation of 2-Substituted Pyridines. <i>Journal of the American Chemical Society</i> , 2009, 131, 12056-12057.	6.6	147
137	A novel palladium-catalyzed cycloalkylation to isoxazoline 2-oxides. Application for the asymmetric synthesis of carbanucleosides. <i>Journal of the American Chemical Society</i> , 1992, 114, 8745-8747.	6.6	146
138	Asymmetric Total Synthesis of (+)-Pancratistatin. <i>Journal of the American Chemical Society</i> , 1995, 117, 10143-10144.	6.6	146
139	Reaction of olefins with palladium trifluoroacetate. <i>Journal of the American Chemical Society</i> , 1980, 102, 3572-3577.	6.6	145
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