Kazuaki Ishihara

List of Publications by Year
in descending order

310	22,060	5896	13379
papers	citations	81 h-index	130 g-index

404	404	404	12296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymmetric Direct Aldol Reaction Assisted by Water and a Proline-Derived Tetrazole Catalyst. Angewandte Chemie - International Edition, 2004, 43, 1983-1986.	13.8	542
2	Hypervalent iodine-mediated oxidation of alcohols. Chemical Communications, 2009, , 2086.	4.1	457
3	3,4,5-Trifluorobenzeneboronic Acid as an Extremely Active Amidation Catalyst. Journal of Organic Chemistry, 1996, 61, 4196-4197.	3.2	430
4	Scandium Trifluoromethanesulfonate as an Extremely Active Lewis Acid Catalyst in Acylation of Alcohols with Acid Anhydrides and Mixed Anhydridesâ€. Journal of Organic Chemistry, 1996, 61, 4560-4567.	3.2	415
5	Enantioselective Kita Oxidative Spirolactonization Catalyzed by Inâ€...Situ Generated Chiral Hypervalent Iodine(III) Species. Angewandte Chemie - International Edition, 2010, 49, 2175-2177.	13.8	412
6	Quaternary Ammonium (Hypo)iodite Catalysis for Enantioselective Oxidative Cycloetherification. Science, 2010, 328, 1376-1379.	12.6	393
7	Enantioselective halocyclization of polyprenoids induced by nucleophilic phosphoramidites. Nature, 2007, 445, 900-903.	27.8	386
8	Inâ€...Situ Generated (Hypo)Iodite Catalysts for the Direct Î±â€Oxyacylation of Carbonyl Compounds with Carboxylic Acids. Angewandte Chemie - International Edition, 2011, 50, 5331-5334.	13.8	325
9	2-Iodoxybenzenesulfonic Acid as an Extremely Active Catalyst for the Selective Oxidation of Alcohols to Aldehydes, Ketones, Carboxylic Acids, and Enones with Oxone. Journal of the American Chemical Society, 2009, 131, 251-262.	13.7	281
10	Catalysis with Inâ€...Situâ€Generated (Hypo)iodite Ions for Oxidative Coupling Reactions. ChemCatChem, 2012, 4, 177-185.	3.7	264
11	Highly enantioselective catalytic Diels-Alder addition promoted by a chiral bis(oxazoline)-magnesium complex. Tetrahedron Letters, 1992, 33, 6807-6810.	1.4	258
12	Scandium Trifluoromethanesulfonate as an Extremely Active Acylation Catalyst. Journal of the American Chemical Society, 1995, 117, 4413-4414.	13.7	251
13	Which Is the Actual Catalyst: Chiral Phosphoric Acid or Chiral Calcium Phosphate?. Angewandte Chemie - International Edition, 2010, 49, 3823-3826.	13.8	222
14	Design of an Organocatalyst for the Enantioselective Dielsâ€'Alder Reaction with Î±-Acyloxyacroleins. Journal of the American Chemical Society, 2005, 127, 10504-10505.	13.7	217
15	Widely Useful DMAP-Catalyzed Esterification under Auxiliary Base- and Solvent-Free Conditions. Journal of the American Chemical Society, 2007, 129, 14775-14779.	13.7	214
16	Hydrogen Bonding and Alcohol Effects in Asymmetric Hypervalent Iodine Catalysis: Enantioselective Oxidative Dearomatization of Phenols. Angewandte Chemie - International Edition, 2013, 52, 9215-9218.	13.8	210
17	Arylboron Compounds as Acid Catalysts in Organic Synthetic Transformations. European Journal of Organic Chemistry, 1999, 1999, 527-538.	2.4	207
18	Highly Efficient Alkylation to Ketones and Aldimines with Grignard Reagents Catalyzed by Zinc(II) Chloride. Journal of the American Chemical Society, 2006, 128, 9998-9999.	13.7	203

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19	Cyanuric Chloride as a Mild and Active Beckmann Rearrangement Catalyst. Journal of the American Chemical Society, 2005, 127, 11240-11241.	13.7	202
20	A New Chiral BLA Promoter for Asymmetric Aza Diels-Alder and Aldol-Type Reactions of Imines. Journal of the American Chemical Society, 1994, 116, 10520-10524.	13.7	197
21	Rhenium(VII) Oxo Complexes as Extremely Active Catalysts in the Dehydration of Primary Amides and Aldoximes to Nitriles. Angewandte Chemie - International Edition, 2002, 41, 2983.	13.8	196
22	An extremely simple, convenient, and selective method for acetylating primary alcohols in the presence of secondary alcohols. Journal of Organic Chemistry, 1993, 58, 3791-3793.	3.2	188
23	Dehydrative condensation catalyses. Tetrahedron, 2009, 65, 1085-1109.	1.9	181
24	Chiral hypervalent iodine-catalyzed enantioselective oxidative Kita spirolactonization of 1-naphthol derivatives and one-pot diastereo-selective oxidation to epoxyspirolactones. Tetrahedron, 2010, 66, 5841-5851.	1.9	180
25	Bronsted Acid Assisted Chiral Lewis Acid (BLA) Catalyst for Asymmetric Diels-Alder Reaction. Journal of the American Chemical Society, 1994, 116, 1561-1562.	13.7	179
26	Direct ester condensation from a 1:1 mixture of carboxylic acids and alcohols catalyzed by hafnium(IV) or zirconium(IV) salts. Tetrahedron, 2002, 58, 8179-8188.	1.9	179
27	Pyridinium 1,1â€²-Binaphthyl-2,2â€²-disulfonates as Highly Effective Chiral BrÃ¸nsted Acidâ€“Base Combined Salt Catalysts for Enantioselective Mannich-Type Reaction. Journal of the American Chemical Society, 2008, 130, 16858-16860.	13.7	168
28	Design of BrÃ¸nsted Acid-Assisted Chiral Lewis Acid (BLA) Catalysts for Highly Enantioselective Dielsâ€“Alder Reactions. Journal of the American Chemical Society, 1998, 120, 6920-6930.	13.7	166
29	A New Artificial Cyclase for Polyprenoids:Â Enantioselective Total Synthesis of (â€“)-Chromazonarol, (+)-8-epi-Puupehedione, and (â€“)-11â€²-Deoxytaondiol Methyl Ether. Journal of the American Chemical Society, 2004, 126, 11122-11123.	13.7	165
30	High-turnover hypoiodite catalysis for asymmetric synthesis of tocopherols. Science, 2014, 345, 291-294.	12.6	165
31	Structurally Defined Molecular Hypervalent Iodine Catalysts for Intermolecular Enantioselective Reactions. Angewandte Chemie - International Edition, 2016, 55, 413-417.	13.8	163
32	Catalytic asymmetric allylation using a chiral (acyloxy)borane complex as a versatile Lewis acid catalyst. Journal of the American Chemical Society, 1993, 115, 11490-11495.	13.7	156
33	New boron(III)-catalyzed amide and ester condensation reactions. Tetrahedron, 2007, 63, 8645-8657.	1.9	155
34	Design of BrÃ¸nsted Acid-Assisted Chiral BrÃ¸nsted Acid Catalyst Bearing a Bis(triflyl)methyl Group for a Mannich-Type Reaction. Organic Letters, 2006, 8, 3175-3178.	4.6	142
35	Lewis Acid Assisted Chiral Bronsted Acid for Enantioselective Protonation of Silyl Enol Ethers and Ketene Bis(trialkylsilyl) Acetals. Journal of the American Chemical Society, 1994, 116, 11179-11180.	13.7	139
36	3,5-Bis(perfluorodecyl)phenylboronic Acid as an Easily Recyclable Direct Amide Condensation Catalyst. Synlett, 2001, 2001, 1371-1374.	1.8	137

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37	First Example of a Highly Enantioselective Catalytic Protonation of Silyl Enol Ethers Using a Novel Lewis Acid-Assisted BrÃ¸nsted Acid System. Journal of the American Chemical Society, 1996, 118, 12854-12855.	13.7	132
38	Polystyrene-Bound Tetrafluorophenylbis(triflyl)methane as an Organic-Solvent-Swellable and Strong BrÃ¸nsted Acid Catalyst The authors thank Mr. Shoichi Kondo for the single-crystal X-ray analysis. Sodium triflate was generously donated by Central Glass Co., Ltd., Japan. The authors also acknowledge Dr. Yuko Wasada and Dr. Manabu Kubota for their helpful discussions on the theoretical calculations.. Angewandte Chemie - International Edition, 2001, 40, 4077.	13.8	132
39	The First Enantioselective Biomimetic Cyclization of Polyprenoids. Journal of the American Chemical Society, 1999, 121, 4906-4907.	13.7	129
40	Chiral Magnesium(II) Binaphtholates as Cooperative BrÃ¸nsted/Lewis Acidâ€“Base Catalysts for the Highly Enantioselective Addition of Phosphorus Nucleophiles to Î±,Î²â€²Unsaturated Esters and Ketones. Angewandte Chemie - International Edition, 2013, 52, 4549-4553.	13.8	127
41	Pentamethylcyclopentadienyl rhodium(III)â€“chiral disulfonate hybrid catalysis for enantioselective Câ€“H bond functionalization. Nature Catalysis, 2018, 1, 585-591.	34.4	127
42	A New Scandium Complex as an Extremely Active Acylation Catalyst. Synlett, 1996, 1996, 265-266.	1.8	126
43	Enantioselective Biomimetic Cyclization of Isoprenoids Using Lewis Acid-Assisted Chiral BrÃ¸nsted Acids:Â Abnormal Claisen Rearrangements and Successive Cyclizations. Journal of the American Chemical Society, 2000, 122, 8131-8140.	13.7	126
44	Enantio- and Diastereoselective Stepwise Cyclization of Polyprenoids Induced by Chiral and Achiral LBAs. A New Entry to (â^')-Ambrox, (+)-Podocarpa-8,11,13-triene Diterpenoids, and (â^')-Tetracyclic Polyprenoid of Sedimentary Origin. Journal of the American Chemical Society, 2002, 124, 3647-3655.	13.7	124
45	Enantioselective [2 + 2] Cycloaddition of Unactivated Alkenes with Î±-Acyloxyacroleins Catalyzed by Chiral Organoammonium Salts. Journal of the American Chemical Society, 2007, 129, 8930-8931.	13.7	124
46	Cooperative Activation with Chiral Nucleophilic Catalysts and Nâ€Haloimides: Enantioselective Iodolactonization of 4â€Arylmethylâ€4â€pentenoic Acids. Angewandte Chemie - International Edition, 2014, 53, 6974-6977.	13.8	122
47	Scandium Trifluoromethanesulfonimide and Scandium Trifluoromethanesulfonate as Extremely Active Acetalization Catalysts. Synlett, 1996, 1996, 839-841.	1.8	121
48	Chiral 1,1â€˜-Binaphthyl-2,2â€˜-diammonium Salt Catalysts for the Enantioselective Dielsâ^'Alder Reaction with Î±-Acyloxyacroleins. Organic Letters, 2006, 8, 2229-2232.	4.6	119
49	Chiral Lithium Binaphtholate Aqua Complex as a Highly Effective Asymmetric Catalyst for Cyanohydrin Synthesis. Journal of the American Chemical Society, 2005, 127, 10776-10777.	13.7	117
50	Bulky Diarylammonium Arenesulfonates as Selective Esterification Catalysts. Journal of the American Chemical Society, 2005, 127, 4168-4169.	13.7	116
51	Chiral Lithium(I) Binaphtholate Salts for the Enantioselective Direct Mannich-Type Reaction with a Change of Syn/Anti and Absolute Stereochemistry. Journal of the American Chemical Society, 2010, 132, 56-57.	13.7	114
52	The Crystallographic Structure of a Lewis Acid-Assisted Chiral BrÃ¸nsted Acid as an Enantioselective Protonation Reagent for Silyl Enol Ethers. Journal of the American Chemical Society, 2003, 125, 24-25.	13.7	113
53	Synthesis of Carboxamides by LDA-Catalyzed Hallerâ^'Bauer and Cannizzaro Reactions. Organic Letters, 2004, 6, 1983-1986.	4.6	113
54	Boronic acidâ€“DMAPO cooperative catalysis for dehydrative condensation between carboxylic acids and amines. Chemical Science, 2016, 7, 1276-1280.	7.4	113

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55	A New Powerful and Practical BLA Catalyst for Highly Enantioselective Dielsâ˜Alder Reaction:â€‰ An Extreme Acceleration of Reaction Rate by BrÃ¸nsted Acid. Journal of the American Chemical Society, 1996, 118, 3049-3050.	13.7	112
56	Zinc(II)-Catalyzed Addition of Grignard Reagents to Ketones. Journal of Organic Chemistry, 2010, 75, 5008-5016.	3.2	112
57	Tris(pentafluorophenyl)boron as an Efficient, Air Stable, and Water Tolerant Lewis Acid Catalyst. Bulletin of the Chemical Society of Japan, 1995, 68, 1721-1730.	3.2	111
58	Catalytic Enantioselective [2 + 4] and [2 + 2] Cycloaddition Reactions with Propiolamides. Journal of the American Chemical Society, 2008, 130, 7532-7533.	13.7	111
59	A High Yield Procedure for the Me3SiNTf2-Induced Carbon-Carbon Bond-Forming Reactions of Silyl Nucleophiles with Carbonyl Compounds: The Importance of Addition Order and Solvent Effects. Synlett, 2001, 2001, 1851-1854.	1.8	109
60	Rational Design of anl-Histidine-Derived Minimal Artificial Acylase for the Kinetic Resolution of Racemic Alcohols. Journal of the American Chemical Society, 2004, 126, 12212-12213.	13.7	107
61	Enantioselective Protonation of Silyl Enol Ethers and Ketene Disilyl Acetals with Lewis Acid-Assisted Chiral BrÃ¸nsted Acids:Â Reaction Scope and Mechanistic Insights. Journal of the American Chemical Society, 2000, 122, 8120-8130.	13.7	106
62	Chiral Lithium Salts of Phosphoric Acids as Lewis Acidâ€“Base Conjugate Catalysts for the Enantioselective Cyanosilylation of Ketones. Advanced Synthesis and Catalysis, 2008, 350, 1776-1780.	4.3	105
63	Enantioselective Synthesis of Masked Benzoquinones Using Designer Chiral Hypervalent Organoiodine(III) Catalysis. ACS Catalysis, 2017, 7, 872-876.	11.2	105
64	4,5,6,7-Tetrachlorobenzo[d][1,3,2]dioxaborol- 2-ol as an Effective Catalyst for the Amide Condensation of Sterically Demanding Carboxylic Acids. Organic Letters, 2006, 8, 1431-1434.	4.6	104
65	Recent Progress in Selective Additions of Organometal Reagents to Carbonyl Compounds. Current Organic Chemistry, 2007, 11, 127-157.	1.6	104
66	Highly Active Chiral Phosphoramideâ˜Zn(II) Complexes as Conjugate Acidâ˜Base Catalysts for Enantioselective Organozinc Addition to Ketones. Organic Letters, 2007, 9, 4535-4538.	4.6	104
67	Enantioselective Biomimetic Cyclization of Homo(polyprenyl)arenes. A New Entry to (+)-Podpcarpa-8,11,13-triene Diterpenoids and (â˜)-Tetracyclic Polyprenoid of Sedimentary Origin. Journal of the American Chemical Society, 2001, 123, 1505-1506.	13.7	102
68	Trimethylsilyl Pentafluorophenylbis(trifluoromethanesulfonyl)methide as a Super Lewis Acid Catalyst for the Condensation of Trimethylhydroquinone with Isophytol. Angewandte Chemie - International Edition, 2003, 42, 5731-5733.	13.8	98
69	Acyclic stereoselection. 52. On the mechanism of Lewis acid mediated nucleophilic substitution reactions of acetals. Journal of Organic Chemistry, 1990, 55, 6107-6115.	3.2	97
70	Molybdenum Oxides as Highly Effective Dehydrative Cyclization Catalysts for the Synthesis of Oxazolines and Thiazolines. Organic Letters, 2005, 7, 1971-1974.	4.6	97
71	3,3â€˜-Diphosphoryl-1,1â€˜-bi-2-naphtholâ˜Zn(II) Complexes as Conjugate Acidâ˜Base Catalysts for Enantioselective Dialkylzinc Addition to Aldehydes. Journal of Organic Chemistry, 2006, 71, 6474-6484.	3.2	96
72	N-Alkyl-4-boronopyridinium Salts as Thermally Stable and Reusable Amide Condensation Catalysts. Organic Letters, 2005, 7, 5043-5046.	4.6	94

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73	Magnesium(II)-Binaphtholate as a Practical Chiral Catalyst for the Enantioselective Direct Mannich-Type Reaction with Malonates. Organic Letters, 2010, 12, 3502-3505.	4.6	92
74	Baeyerâ€“Villiger Oxidation Using Hydrogen Peroxide. ACS Catalysis, 2013, 3, 513-520.	11.2	91
75	Mechanistic studies of a CAB-catalyzed asymmetric Diels-Alder reaction. Journal of the American Chemical Society, 1993, 115, 10412-10413.	13.7	87
76	Highly Alkyl-Selective Addition to Ketones with Magnesium Ate Complexes Derived from Grignard Reagents. Organic Letters, 2005, 7, 573-576.	4.6	86
77	Enantioselective Dielsâ€“Alder Reaction of Î±-Acyloxyacroleins Catalyzed by Chiral 1,1â€²-Binaphthyl-2,2â€²-diammonium Salts. Advanced Synthesis and Catalysis, 2006, 348, 2457-2465.	4.3	86
78	Direct Polycondensation of Carboxylic Acids and Amines Catalyzed by 3,4,5-Trifluorophenylboronic Acid. Macromolecules, 2000, 33, 3511-3513.	4.8	85
79	IBS-Catalyzed Oxidative Rearrangement of Tertiary Allylic Alcohols to Enones with Oxone. Organic Letters, 2009, 11, 3470-3473.	4.6	85
80	Antimony-Templated Macrolactamization of Tetraamino Esters. Facile Synthesis of Macrocyclic Spermine Alkaloids, (Â±)-Buchnerine, (Â±)-Verbacine, (Â±)-Verbaskine, and (Â±)-Verbascenine. Journal of the American Chemical Society, 1996, 118, 1569-1570.	13.7	84
81	Stereoselective reduction of acetals. A method for reductive generation of heterocyclic ring systems. Tetrahedron, 1990, 46, 4595-4612.	1.9	83
82	Design of a Small-Molecule Catalyst Using Intramolecular Cationâˆ’Ï€ Interactions for Enantioselective Dielsâˆ’Alder and Mukaiyamaâˆ’Michael Reactions:â€‰l-DOPA-Derived MonopeptideÂ·Cu(II) Complex. Organic Letters, 2006, 8, 1921-1924.	4.6	82
83	Rational Design of Minimal Artificial Dielsâ€“Alderases Based on the Copper(II) Cationâ€“Aromatic Ï€ Attractive Interaction. Accounts of Chemical Research, 2007, 40, 1049-1055.	15.6	82
84	Boron Tribromide-Assisted Chiral Phosphoric Acid Catalyst for a Highly Enantioselective Dielsâ€“Alder Reaction of 1,2-Dihydropyridines. Journal of the American Chemical Society, 2015, 137, 13472-13475.	13.7	80
85	First Enantioselective Catalytic Dielsâˆ’Alder Reaction of Dienes and Acetylenic Aldehydes:Â Experimental and Theoretical Evidence for the Predominance ofExo-Transition Structure. Journal of Organic Chemistry, 1997, 62, 3026-3027.	3.2	76
86	Primary Alkylboronic Acids as Highly Active Catalysts for the Dehydrative Amide Condensation of Î±-Hydroxycarboxylic Acids. Organic Letters, 2013, 15, 3654-3657.	4.6	76
87	N-Alkyl-4-boronopyridinium Halides versus Boric Acid as Catalysts for the Esterification of Î±-Hydroxycarboxylic Acids. Organic Letters, 2005, 7, 5047-5050.	4.6	75
88	Sodium Phenoxideâˆ’Phosphine Oxides as Extremely Active Lewis Base Catalysts for the Mukaiyama Aldol Reaction with Ketones. Organic Letters, 2007, 9, 4527-4530.	4.6	73
89	Enantioselective 1,3-Dipolar Cycloaddition of Azomethine Imines with Propioloylpyrazoles Induced by Chiral Ï€â€“Cation Catalysts. Journal of the American Chemical Society, 2014, 136, 13198-13201.	13.7	73
90	Rational Design of Highly Effective Asymmetric Dielsâˆ’Alder Catalysts Bearing 4,4â€²-Sulfonamidomethyl Groups. Journal of the American Chemical Society, 2009, 131, 17762-17764.	13.7	72

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91	Catalytic Enantioselective 1,3-Dipolar Cycloadditions of Nitrones with Propioloylpyrazoles and Acryloylpyrazoles Induced by Chiral Ï€-Cation Catalysts. Journal of the American Chemical Society, 2010, 132, 15550-15552.	13.7	72
92	Hypervalent iodine-catalyzed oxylactonization of ketocarboxylic acids to ketolactones. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3848-3851.	2.2	71
93	Ligand-Assisted Rate Acceleration in Lanthanum(III) Isopropoxide Catalyzed Transesterification of Carboxylic Esters. Organic Letters, 2011, 13, 426-429.	4.6	71
94	The ortho-substituent on 2,4-bis(trifluoromethyl)phenylboronic acid catalyzed dehydrative condensation between carboxylic acids and amines. Chemical Communications, 2018, 54, 5410-5413.	4.1	71
95	Design of Highly Functional Small-Molecule Catalysts and Related Reactions Based on Acid-Base Combination Chemistry. Synlett, 2007, 2007, 0686-0703.	1.8	70
96	Chemoselective oxidative generation of ortho-quinone methides and tandem transformations. Nature Chemistry, 2020, 12, 353-362.	13.6	69
97	Bis(pentafluorophenyl)borinic Acid as a Highly Effective Oppenauer Oxidation Catalyst for Allylic and Benzylic Alcohols. Journal of Organic Chemistry, 1997, 62, 5664-5665.	3.2	68
98	Chiral Lanthanum(III)-Binaphthyldisulfonate Complexes for Catalytic Enantioselective Strecker Reaction. Organic Letters, 2009, 11, 2321-2324.	4.6	67
99	Scope and Limitations of ChiralB-[3,5-Bis(trifluoromethyl)phenyl]oxazaborolidine Catalyst for Use in the Mukaiyama Aldol Reaction. Journal of Organic Chemistry, 2000, 65, 9125-9128.	3.2	66
100	Stereoselective Electrophilic Cyclization. Chemical Record, 2015, 15, 728-742.	5.8	66
101	Enantioselective Halo-oxy- and Halo-azacyclizations Induced by Chiral Amidophosphate Catalysts and Halo-Lewis Acids. Journal of the American Chemical Society, 2018, 140, 6039-6043.	13.7	66
102	Catalytic enantioselective organozinc addition toward optically active tertiary alcohol synthesis. Chemical Record, 2008, 8, 143-155.	5.8	64
103	BrÃ¸nsted Base-Assisted Boronic Acid Catalysis for the Dehydrative Intramolecular Condensation of Dicarboxylic Acids. Organic Letters, 2011, 13, 892-895.	4.6	64
104	IBS-Catalyzed Regioselective Oxidation of Phenols to 1,2-Quinones with OxoneÂ®. Molecules, 2012, 17, 8604-8616.	3.8	64
105	Conformationally flexible chiral supramolecular catalysts for enantioselective Dielsâ€“Alder reactions with anomalous endo/exo selectivities. Chemical Communications, 2012, 48, 4273.	4.1	63
106	Chiral Hypervalent Organoiodine-Catalyzed Enantioselective Oxidative Spirolactonization of Naphthol Derivatives. Journal of Organic Chemistry, 2017, 82, 11946-11953.	3.2	63
107	Stereospecific cyclization of vinyl ether alcohols. Facile synthesis of (-)-lardolure. Journal of Organic Chemistry, 1990, 55, 5814-5815.	3.2	62
108	Enantioselective Dielsâ€“Alder Reactions with Anomalous endo/exo Selectivities Using Conformationally Flexible Chiral Supramolecular Catalysts. Angewandte Chemie - International Edition, 2011, 50, 12189-12192.	13.8	62

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109	Organocatalytic Enantioselective Dielsâ˜Alder Reaction of Dienes with Î±-(N,N-Diacylamino)acroleins. Organic Letters, 2008, 10, 2893-2896.	4.6	61
110	Chiral Lewis Base-Assisted BrÃ¸nsted Acid (LBBA)-Catalyzed Enantioselective Cyclization of 2-Geranylphenols. Organic Letters, 2011, 13, 3130-3133.	4.6	61
111	Facile Synthesis of Aryl- and Alkyl-bis(trifluoromethylsulfonyl)methanes. Bulletin of the Chemical Society of Japan, 2005, 78, 1401-1410.	3.2	60
112	Chiral Proton Donor Reagents: Tin Tetrachloride?Coordinated Optically Active Binaphthol Derivatives. Chemical Record, 2002, 2, 177-188.	5.8	59
113	Catalytic Enantioselective Inverse Electron Demand Heteroâ€Dielsâ€“Alder Reaction with Allylsilanes. Angewandte Chemie - International Edition, 2014, 53, 6131-6134.	13.8	59
114	Catalytic Asymmetric Aldol-Type Reactions Using a Chiral (Acyloxy)borane Complex. Bulletin of the Chemical Society of Japan, 1993, 66, 3483-3491.	3.2	58
115	Highly diastereoselective acetal cleavages using novel reagents prepared from organoaluminum and pentafluorophenol. Journal of the American Chemical Society, 1993, 115, 10695-10704.	13.7	57
116	Tris(pentafluorophenyl)boron as an Efficient Catalyst in the Aldol-Type Reaction of Ketene Silyl Acetals with Imines. Synlett, 1994, 1994, 963-964.	1.8	57
117	Rhenium(VII) Oxo Complexes as Extremely Active Catalysts in the Dehydration of Primary Amides and Aldoximes to Nitriles. Angewandte Chemie, 2002, 114, 3109.	2.0	57
118	Tin(IV) Chloride-Chiral Pyrogallol Derivatives as New Lewis Acid-Assisted Chiral BrÃ¸nsted Acids for Enantioselective Polyene Cyclization. Organic Letters, 2004, 6, 2551-2554.	4.6	57
119	â€œPhosphiteâ€“ureaâ€•cooperative high-turnover catalysts for the highly selective bromocyclization of homogeranylarenes. Chemical Science, 2013, 4, 4181.	7.4	57
120	4,5â€Dimethylâ€2â€Iodoxybenzenesulfonic Acid Catalyzed Siteâ€Selective Oxidation of 2â€Substituted Phenols to 1,2â€Quinols. Angewandte Chemie - International Edition, 2017, 56, 3956-3960.	13.8	57
121	Reductive cleavages of chiral acetals using Lewis acid-hydride system. Tetrahedron Letters, 1986, 27, 987-990.	1.4	56
122	Water-Tolerant and Reusable Catalysts for Direct Ester Condensation between Equimolar Amounts of Carboxylic Acids and Alcohols. Advanced Synthesis and Catalysis, 2004, 346, 1275-1279.	4.3	56
123	Enantioselective aza-Friedelâ€“Crafts reaction of furan with Î±-ketimino esters induced by a conjugated double hydrogen bond network of chiral bis(phosphoric acid) catalysts. Chemical Science, 2018, 9, 6361-6367.	7.4	56
124	Recent Progress in the Catalytic Synthesis of Tertiary Alcohols from Ketones with Organometallic Reagents. Synthesis, 2008, 2008, 1647-1675.	2.3	55
125	Catalytic enantioselective alkyl and aryl addition to aldehydes and ketones with organozinc reagents derived from alkyl Grignard reagents or arylboronic acids. Catalysis Science and Technology, 2011, 1, 1149.	4.1	55
126	Diarylborinic Acids as Efficient Catalysts for Selective Dehydration of Aldols. Synlett, 1997, 1997, 597-599.	1.8	54

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127	Selective Synthesis of Phosphate Monoesters by Dehydrative Condensation of Phosphoric Acid and Alcohols Promoted by Nucleophilic Bases. Organic Letters, 2005, 7, 1999-2002.	4.6	54
128	Zinc(ii)-catalyzed Grignard additions to ketones with RMgBr and RMgI. Chemical Communications, 2010, 46, 2674.	4.1	54
129	Reductive cleavages of homochiral acetals: inversion of the stereoselectivity. Tetrahedron, 1987, 43, 755-764.	1.9	52
130	Enantioselective Diels-Alder reaction of .alpha.-bromo-.alpha.,.beta.-enals with dienes under catalysis by CAB. Journal of Organic Chemistry, 1993, 58, 6917-6919.	3.2	52
131	Crucial role of the ligand of silyl Lewis acid in the Mukaiyama aldol reactionElectronic supplementary information (ESI) available: experimental section. See http://www.rsc.org/suppdata/cc/b2/b203838b/. Chemical Communications, 2002, , 1564-1565.	4.1	52
132	Reductive cleavages of Î±, Î²-alkynyl acetals. New route to optically pure propargylic alcohols. Tetrahedron Letters, 1986, 27, 983-986.	1.4	51
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