

Shigeki Matsunaga

List of Publications by Year in descending order

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302
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7771
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Progress in Asymmetric Bifunctional Catalysis Using Multimetallic Systems. <i>Accounts of Chemical Research</i> , 2009, 42, 1117-1127.	7.6	452
2	Pyrrroloindolone Synthesis via a Cp*Co ^{III} -Catalyzed Redox-Neutral Directed C-H Alkenylation/Annulation Sequence. <i>Journal of the American Chemical Society</i> , 2014, 136, 5424-5431.	6.6	441
3	A Cationic High-Valent Cp*Co ^{III} Complex for the Catalytic Generation of Nucleophilic Organometallic Species: Directed C-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2207-2211.	7.2	418
4	(Pentamethylcyclopentadienyl)cobalt(III)-Catalyzed C-H Bond Functionalization: From Discovery to Unique Reactivity and Selectivity. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1245-1262.	2.1	397
5	Air-Stable Carbonyl(pentamethylcyclopentadienyl)cobalt Diodide Complex as a Precursor for Cationic (Pentamethylcyclopentadienyl)cobalt(III) Catalysis: Application for Directed Selective C-H Amidation of Indoles. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1491-1495.	2.1	306
6	A Bench-Stable Homodinuclear Ni ₂ -Schiff Base Complex for Catalytic Asymmetric Synthesis of β -Tetrasubstituted α,β -Diamino Acid Surrogates. <i>Journal of the American Chemical Society</i> , 2008, 130, 2170-2171.	6.6	298
7	Cp*Co ^{III} Catalyzed Site-Selective C-H Activation of Unsymmetrical α -Oxyl Acyl Oximes: Synthesis of Multisubstituted Isoquinolines from Terminal and Internal Alkynes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12968-12972.	7.2	282
8	Design and application of linked-BINOL chiral ligands in bifunctional asymmetric catalysis. <i>Chemical Society Reviews</i> , 2006, 35, 269.	18.7	278
9	Dehydrative Direct C-H Allylation with Allylic Alcohols under [Cp*Co ^{III}] Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9944-9947.	7.2	273
10	Bismuth-Catalyzed Direct Substitution of the Hydroxy Group in Alcohols with Sulfonamides, Carbamates, and Carboxamides. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 409-413.	7.2	251
11	Catalytic Asymmetric Synthesis of 3-Aminooxindoles: Enantiofacial Selectivity Switch in Bimetallic vs Monometallic Schiff Base Catalysis. <i>Journal of the American Chemical Society</i> , 2010, 132, 1255-1257.	6.6	251
12	Catalytic Enantioselective meso-Epoxyde Ring Opening Reaction with Phenolic Oxygen Nucleophile Promoted by Gallium Heterobimetallic Multifunctional Complexes. <i>Journal of the American Chemical Society</i> , 2000, 122, 2252-2260.	6.6	233
13	anti-Selective Direct Catalytic Asymmetric Mannich-type Reaction of Hydroxyketone Providing β -Amino Alcohols. <i>Journal of the American Chemical Society</i> , 2003, 125, 4712-4713.	6.6	232
14	syn-Selective Catalytic Asymmetric Nitro-Mannich Reactions Using a Heterobimetallic Cu-Sm-Schiff Base Complex. <i>Journal of the American Chemical Society</i> , 2007, 129, 4900-4901.	6.6	230
15	Enantioselective C(sp ³)-H Amidation of Thioamides Catalyzed by a Cobalt ^{III} /Chiral Carboxylic Acid Hybrid System. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1153-1157.	7.2	230
16	Recent advances in cooperative bimetallic asymmetric catalysis: dinuclear Schiff base complexes. <i>Chemical Communications</i> , 2014, 50, 1044-1057.	2.2	229
17	A Homodinuclear Mn(III) ₂ -Schiff Base Complex for Catalytic Asymmetric 1,4-Additions of Oxindoles to Nitroalkenes. <i>Journal of the American Chemical Society</i> , 2009, 131, 9168-9169.	6.6	213
18	Heterobimetallic Transition Metal/Rare Earth Metal Bifunctional Catalysis: A Cu/Sm/Schiff Base Complex for <i>Syn</i> -Selective Catalytic Asymmetric Nitro-Mannich Reaction. <i>Journal of the American Chemical Society</i> , 2010, 132, 4925-4934.	6.6	202

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19	Direct Catalytic Asymmetric Aldol Reaction of Hydroxyketones: A Asymmetric Zn Catalysis with a Et ₂ Zn/Linked-BINOL Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 2169-2178.	6.6	197
20	Direct Catalytic Asymmetric Aldol Reaction: A Synthesis of Either syn- or anti-1,2-Dihydroxy Ketones. <i>Journal of the American Chemical Society</i> , 2001, 123, 2466-2467.	6.6	191
21	A Heterobimetallic Pd/La/Schiff Base Complex for <i>anti</i> -selective Catalytic Asymmetric Nitroaldol Reactions and Applications to Short Syntheses of β -Adrenoceptor Agonists. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3230-3233.	7.2	186
22	Stable, Storable, and Reusable Asymmetric Catalyst: A Novel La-linked-BINOL Complex for the Catalytic Asymmetric Michael Reaction. <i>Journal of the American Chemical Society</i> , 2000, 122, 6506-6507.	6.6	183
23	Diverse Approaches for Enantioselective C-H Functionalization Reactions Using Group-9 Cp*Co ^{III} Catalysts. <i>Chemistry - A European Journal</i> , 2020, 26, 7346-7357.	1.7	176
24	Direct Catalytic Asymmetric Vinylogous Mannich-Type and Michael Reactions of an α,β -Unsaturated β -Butyrolactam under Dinuclear Nickel Catalysis. <i>Journal of the American Chemical Society</i> , 2010, 132, 3666-3667.	6.6	175
25	Cp*Co ^{III} -Catalyzed α -selective Addition of Indoles to Imines. <i>Chemistry - A European Journal</i> , 2013, 19, 9142-9146.	1.7	175
26	Direct Catalytic Asymmetric Mannich-type Reaction of Hydroxyketone Using a Et ₂ Zn/Linked-BINOL Complex: A Synthesis of Either anti- or syn- β -Amino Alcohols. <i>Journal of the American Chemical Society</i> , 2004, 126, 8777-8785.	6.6	174
27	Hybrid Catalysis Enabling Room-Temperature Hydrogen Gas Release from <i>N</i> -Heterocycles and Tetrahydronaphthalenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 2204-2207.	6.6	165
28	Cooperative Catalysis of a Cationic Ruthenium Complex, Amine Base, and Na Salt: Catalytic Activation of Acetonitrile as a Nucleophile. <i>Journal of the American Chemical Society</i> , 2004, 126, 13632-13633.	6.6	159
29	Lewis Acid-Lewis Acid Heterobimetallic Cooperative Catalysis: Mechanistic Studies and Application in Enantioselective Aza-Michael Reaction. <i>Journal of the American Chemical Society</i> , 2005, 127, 13419-13427.	6.6	157
30	Catalytic Asymmetric 1,4-Addition Reactions Using α,β -Unsaturated N-Acylpyrroles as Highly Reactive Monodentate α,β -Unsaturated Ester Surrogates. <i>Journal of the American Chemical Society</i> , 2004, 126, 7559-7570.	6.6	155
31	Catalytic Asymmetric Total Synthesis of Chimonanthine, Folicanthine, and Calycanthine through Double Michael Reaction of Bisoxindole. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5217-5221.	7.2	155
32	An Asymmetric Cyanation Reaction and Sequential Asymmetric Cyanation-Nitroaldol Reaction Using a [YLi ₃ {tris(binaphthoxide)}] Single Catalyst Component: Catalyst Tuning with Achiral Additives. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3636-3638.	7.2	150
33	Stereodivergent Direct Catalytic Asymmetric Mannich-Type Reactions of α -Isothiocyanato Ester with Ketimines. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4382-4385.	7.2	149
34	Cobalt-Catalyzed α -selective Direct Alkylation of Pyridines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3213-3216.	7.2	148
35	Lewis Acid Catalyzed Benzylic C-H Bond Functionalization of Azaarenes: Addition to Enones. <i>Organic Letters</i> , 2011, 13, 1706-1709.	2.4	147
36	Direct Catalytic Aldol-Type Reactions Using RCH ₂ CN. <i>Organic Letters</i> , 2003, 5, 3147-3150.	2.4	146

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37	A Heterobimetallic Ga/Yb-Schiff Base Complex for Catalytic Asymmetric $\hat{1}\pm$ -Addition of Isocyanides to Aldehydes. <i>Journal of the American Chemical Society</i> , 2009, 131, 8384-8385.	6.6	145
38	Bismuth-Catalyzed Intermolecular Hydroamination of 1,3-Dienes with Carbamates, Sulfonamides, and Carboxamides. <i>Journal of the American Chemical Society</i> , 2006, 128, 1611-1614.	6.6	138
39	Construction of Contiguous Tetrasubstituted Chiral Carbon Stereocenters via Direct Catalytic Asymmetric Aldol Reaction of $\hat{1}\pm$ -Isothiocyanato Esters with Ketones. <i>Journal of the American Chemical Society</i> , 2009, 131, 17082-17083.	6.6	133
40	A Cp*Co ₂ -dimer as a precursor for cationic Co($\langle\text{scp}\rangle\text{iii}\langle\text{scp}\rangle$)-catalysis: application to C \hat{c} -H phosphoramidation of indoles. <i>Chemical Communications</i> , 2015, 51, 4659-4661.	2.2	127
41	Pentamethylcyclopentadienyl rhodium(III) \hat{c} -chiral disulfonate hybrid catalysis for enantioselective C \hat{c} -H bond functionalization. <i>Nature Catalysis</i> , 2018, 1, 585-591.	16.1	127
42	Chiral Carboxylic Acid Enabled Achiral Rhodium(III) \hat{c} -Catalyzed Enantioselective C \hat{c} -H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12048-12052.	7.2	125
43	A Stable Homodinuclear Biscobalt(III) \hat{c} -Schiff Base Complex for Catalytic Asymmetric 1,4-Addition Reactions of $\hat{1}^2$ -Keto Esters to Alkynones. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2218-2220.	7.2	124
44	Cp*Co ^{III} -Catalyzed Dehydrative C \hat{c} -H Allylation of 6-Arylpurines and Aromatic Amides Using Allyl Alcohols in Fluorinated Alcohols. <i>Organic Letters</i> , 2016, 18, 2216-2219.	2.4	124
45	Linked-BINOL: An Approach towards Practical Asymmetric Multifunctional Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 3.	2.1	120
46	Direct Catalytic Asymmetric Mannich-Type Reactions of N-(2-Hydroxyacetyl)pyrrole as an Ester-Equivalent Donor. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4365-4368.	7.2	120
47	Mixed La \hat{c} -Li Heterobimetallic Complexes for Tertiary Nitroaldol Resolution. <i>Journal of the American Chemical Society</i> , 2006, 128, 11776-11777.	6.6	119
48	The Merger of Photoredox and Cobalt Catalysis. <i>Trends in Chemistry</i> , 2020, 2, 410-426.	4.4	114
49	Lanthanum Aryloxide/Pybox-Catalyzed Direct Asymmetric Mannich-Type Reactions Using a Trichloromethyl Ketone as a Propionate Equivalent Donor. <i>Journal of the American Chemical Society</i> , 2007, 129, 9588-9589.	6.6	113
50	Catalytic Asymmetric Cyano-Ethoxycarbonylation Reaction of Aldehydes using a YLi3Tris(binaphthoxide) (YLB) Complex: A Mechanism and Roles of Achiral Additives. <i>Journal of the American Chemical Society</i> , 2005, 127, 3413-3422.	6.6	110
51	Direct Catalytic Asymmetric Michael Reaction of Hydroxyketones: A Asymmetric Zn Catalysis with a Et2Zn/Linked-BINOL Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 2582-2590.	6.6	105
52	Catalytic Enantioselective Methylene C(sp ³) \hat{c} -H Amidation of 8-Alkylquinolines Using a Cp*Rh ^{III} /Chiral Carboxylic Acid System. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18154-18158.	7.2	105
53	Enantioselective Ring Opening of Epoxides with 4-Methoxyphenol Catalyzed by Gallium Heterobimetallic Complexes: An Efficient Method for the Synthesis of Optically Active 1,2-Diol Monoethers. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2223-2226.	7.2	104
54	Direct Catalytic Asymmetric Mannich-Type Reactions of $\hat{1}^3$ -Butenolides: Effectiveness of Brønsted Acid in Chiral Metal Catalysis. <i>Organic Letters</i> , 2008, 10, 2319-2322.	2.4	104

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55	Catalytic Asymmetric Cyclopropanation of Enones with Dimethyloxosulfonium Methylide Promoted by a $\text{Li}^{\text{III}}(\text{Biphenyldiolate})_3 + \text{NaI}$ Complex. <i>Journal of the American Chemical Society</i> , 2007, 129, 13410-13411.	6.6	103
56	Multimetallic Bifunctional Asymmetric Catalysis Based on Proximity Effect Control. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 60-75.	2.0	101
57	Direct Catalytic Enantio- and Diastereoselective Aldol Reaction Using a $\text{Zn}^{\text{II}}\text{-Zn}$ -Linked-BINOL Complex: A Practical Synthesis of syn-1,2-Diols. <i>Organic Letters</i> , 2001, 3, 1539-1542.	2.4	100
58	Chiral Carboxylic Acid Assisted Enantioselective $\text{C}^{\alpha}\text{-H}$ Activation with Achiral $\text{Cp}^*\text{M}^{\text{III}}$ (M = Co, Rh, Ir) Catalysts. <i>ACS Catalysis</i> , 2021, 11, 6455-6466.	5.5	99
59	Catalytic Asymmetric Synthesis of 2,2-Disubstituted Terminal Epoxides via Dimethyloxosulfonium Methylide Addition to Ketones. <i>Journal of the American Chemical Society</i> , 2008, 130, 10078-10079.	6.6	98
60	Catalytic Asymmetric Ring-Opening of <i>meso</i> -Aziridines with Malonates under Heterodinuclear Rare Earth Metal Schiff Base Catalysis. <i>Journal of the American Chemical Society</i> , 2011, 133, 5791-5793.	6.6	98
61	Stereoselective Synthesis of Tetrasubstituted Alkenes via a $\text{Cp}^*\text{Co}^{\text{III}}$ -Catalyzed $\text{C}^{\alpha}\text{-H}$ Alkenylation/Directing Group Migration Sequence. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7156-7160.	7.2	98
62	Heterobimetallic Catalysis in Asymmetric 1,4-Addition of <i>O</i> -Alkylhydroxylamine to Enones. <i>Journal of the American Chemical Society</i> , 2003, 125, 16178-16179.	6.6	97
63	Efficient Two-Step Conversion of α,β -Unsaturated Aldehydes to Optically Active β -Oxy- α,β -unsaturated Nitriles and Its Application to the Total Synthesis of (+)-Patulolide C. <i>Organic Letters</i> , 2003, 5, 3021-3024.	2.4	97
64	Chiral 2-Aryl Ferrocene Carboxylic Acids for the Catalytic Asymmetric $\text{C}(\text{sp}^3)\text{-H}$ Activation of Thioamides. <i>Organometallics</i> , 2019, 38, 3921-3926.	1.1	97
65	$\text{Cp}^*\text{-Co}(\text{III})$ -catalyzed oxidative $\text{C}^{\alpha}\text{-H}$ alkenylation of benzamides with ethyl acrylate. <i>Tetrahedron</i> , 2015, 71, 4552-4556.	1.0	96
66	Catalytic Asymmetric Synthesis of Spirooxindoles by a Mannich-Type Reaction of Isothiocyanato Oxindoles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7007-7010.	7.2	94
67	Direct Catalytic Aldol-Type Reactions Using RCH_2CN . <i>ChemInform</i> , 2003, 34, no.	0.1	93
68	Sultam Synthesis via Cu-Catalyzed Intermolecular Carboamination of Alkenes with <i>N</i> -Fluorobenzenesulfonimide. <i>Organic Letters</i> , 2013, 15, 2502-2505.	2.4	93
69	Catalytic Asymmetric Synthesis of α -Alkylidene- β -hydroxy Esters via Dynamic Kinetic Asymmetric Transformation Involving Ba-Catalyzed Direct Aldol Reaction. <i>Journal of the American Chemical Society</i> , 2009, 131, 10842-10843.	6.6	92
70	Metal/linked-BINOL complexes: Applications in direct catalytic asymmetric Mannich-type reactions. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2089-2100.	0.8	89
71	Sequential Wittig Olefination-Catalytic Asymmetric Epoxidation with Reuse of Waste $\text{Ph}_3\text{P}(\text{O})$: Application of α,β -Unsaturated <i>N</i> -Acyl Pyrroles as Ester Surrogates. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4680-4684.	7.2	86
72	Catalytic Asymmetric Synthesis of 2,2-Disubstituted Oxetanes from Ketones by Using a One-Pot Sequential Addition of Sulfur Ylide. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1677-1680.	7.2	84

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73	Site- and Regioselective Monoalkenylation of Pyrroles with Alkynes via Cp*Co ^{III} Catalysis. <i>Organic Letters</i> , 2016, 18, 5732-5735.	2.4	84
74	Direct <i>anti</i> -selective Catalytic Asymmetric Mannich-Type Reactions of β -ketoanilides for the Synthesis of β -amino Amides and Azetidines. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7.2 3353-3356.	7.2	82
75	Enantioselective Strecker-type reaction promoted by polymer-supported bifunctional catalyst. <i>Tetrahedron Letters</i> , 2001, 42, 279-283.	0.7	81
76	A Heterobimetallic Ni/La ^{III} Complex for Catalytic Asymmetric Decarboxylative 1,4-Addition of Malonic Acid Half-thioester. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2351-2354.	1.7	80
77	Solution Structure of Polytheonamide B, a Highly Cytotoxic Nonribosomal Polypeptide from Marine Sponge. <i>Journal of the American Chemical Society</i> , 2010, 132, 12941-12945.	6.6	80
78	Cobalt-Catalyzed C(sp ³) ^α -H Functionalization Reactions. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1193-1205.	1.3	80
79	Immobilization of asymmetric multifunctional catalysts on an insoluble polymer. <i>Tetrahedron Letters</i> , 2000, 41, 8473-8478.	0.7	77
80	Catalytic Asymmetric Aza-Morita-Baylis-Hillman Reaction of Methyl Acrylate: Role of a Bifunctional La(O- <i>i</i> -Pr) ₃ /Linked-BINOL Complex. <i>Journal of the American Chemical Society</i> , 2010, 132, 11988-11992.	6.6	76
81	Ba-Catalyzed Direct Mannich-Type Reactions of a β,β -Unsaturated Ester Providing β -Methyl <i>anti</i> -Morita-Baylis-Hillman-Type Products. <i>Organic Letters</i> , 2007, 9, 3387-3390.	2.4	74
82	Enantioselective C(sp ³) ^α -H Amidation of Thioamides Catalyzed by a Cobalt III /Chiral Carboxylic Acid Hybrid System. <i>Angewandte Chemie</i> , 2019, 131, 1165-1169.	1.6	72
83	Stereodivergent Catalytic Doubly Diastereoselective Nitroaldol Reactions Using Heterobimetallic Complexes. <i>Organic Letters</i> , 2008, 10, 2231-2234.	2.4	71
84	Non-C2-Symmetric, Chirally Economical, and Readily Tunable Linked-binols: Design and Application in a Direct Catalytic Asymmetric Mannich-Type Reaction. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3470-3474.	7.2	70
85	Chiral β -amino Amide Synthesis by Heterobimetallic Lanthanum/Lithium/Pybox-Catalyzed Direct Asymmetric Mannich-Type Reactions of β -keto Anilides. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6847-6850.	7.2	70
86	Multimetallic Schiff Base Complexes as Cooperative Asymmetric Catalysts. <i>Synthesis</i> , 2013, 45, 421-437.	1.2	69
87	Cobalt-Catalyzed C ⁴ Selective Alkylation of Quinolines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 401-405.	2.1	69
88	Trichloromethyl Ketones as Synthetically Versatile Donors: Application in Direct Catalytic Mannich-Type Reactions and the Stereoselective Synthesis of Azetidines. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3146-3150.	7.2	67
89	Direct catalytic asymmetric aldol reaction of β -keto esters with formaldehyde promoted by a dinuclear Ni ₂ -Schiff base complex. <i>Chemical Communications</i> , 2009, , 5138.	2.2	67
90	Enantioselective 1,4-Addition of Unmodified Ketone Catalyzed by a Bimetallic Zn ^{II} -Zn-Linked-BINOL Complex. <i>Organic Letters</i> , 2001, 3, 4251-4254.	2.4	65

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91	Catalytic nucleophilic activation of acetonitrile via a cooperative catalysis of cationic Ru complex, DBU, and NaPF ₆ . <i>Tetrahedron</i> , 2007, 63, 8598-8608.	1.0	65
92	<i>syn</i> -Selective Catalytic Asymmetric 1,4-Addition of β -Ketoanilides to Nitroalkenes under Dinuclear Nickel Catalysis. <i>Organic Letters</i> , 2010, 12, 3246-3249.	2.4	63
93	Cp*Co ^{III} /Chiral Carboxylic Acid-Catalyzed Enantioselective 1,4-Addition Reactions of Indoles to Maleimides. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 368-371.	1.3	63
94	Strategies for Constructing Diverse Chiral Environments in Multimetallic Bifunctional Asymmetric Catalysis. <i>Synlett</i> , 2008, 2008, 1583-1602.	1.0	61
95	Cobalt-Catalyzed Allylic Alkylation Enabled by Organophotoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9199-9203.	7.2	59
96	Silane- and peroxide-free hydrogen atom transfer hydrogenation using ascorbic acid and cobalt-photoredox dual catalysis. <i>Nature Communications</i> , 2021, 12, 966.	5.8	58
97	An Efficient Synthesis of Bicyclic Amidines by Intramolecular Cyclization. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 478-482.	7.2	57
98	Direct Catalytic Asymmetric Mannich-Type Reaction of β -Keto Phosphonate Using a Dinuclear Ni ²⁺ -Schiff Base Complex. <i>Organic Letters</i> , 2008, 10, 3239-3242.	2.4	57
99	Dinuclear Ni ²⁺ -Schiff base complex-catalyzed asymmetric 1,4-addition of β -keto esters to nitroethylene toward β -amino acid synthesis. <i>Chemical Communications</i> , 2011, 47, 469-471.	2.2	57
100	Cp*Co ^{III} -catalyzed directed C-H trifluoromethylthiolation of 2-phenylpyridines and 6-arylpurines. <i>Chemical Communications</i> , 2017, 53, 5974-5977.	2.2	57
101	Regiodivergent Kinetic Resolution of Terminal and Internal <i>rac</i> -Aziridines with Malonates under Dinuclear Schiff Base Catalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 9190-9194.	6.6	55
102	Catalytic Asymmetric Iterative/Domino Aldehyde Cross-Aldol Reactions for the Rapid and Flexible Synthesis of 1,3-Polyols. <i>Journal of the American Chemical Society</i> , 2015, 137, 15418-15421.	6.6	55
103	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. <i>Angewandte Chemie</i> , 2018, 130, 12224-12228.	1.6	53
104	Lewis Base Assisted Brønsted Base Catalysis: Bidentate Phosphine Oxides as Activators and Modulators of Brønsted Basic Lanthanum-Aryloxides. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9125-9129.	7.2	52
105	Development of Pseudo-C ₂ -symmetric Chiral Binaphthyl Monocarboxylic Acids for Enantioselective C(sp ³) ³ -H Functionalization Reactions under Rh(III) Catalysis. <i>ACS Catalysis</i> , 2021, 11, 4271-4277.	5.5	52
106	Targeting Ras-Driven Cancer Cell Survival and Invasion through Selective Inhibition of DOCK1. <i>Cell Reports</i> , 2017, 19, 969-980.	2.9	51
107	Cobalt(III)/Chiral Carboxylic Acid-Catalyzed Enantioselective Synthesis of Benzothiadiazine-1,1-dioxides via C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202205341.	7.2	51
108	Ligand accelerated indium(iii)-catalyzed asymmetric alkynylation of aldehydes with 2-methyl-3-butyn-2-ol as an ethyne equivalent donor. <i>Chemical Communications</i> , 2007, , 948-950.	2.2	49

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109	Catalytic chemoselective addition of acetonitrile to enolizable aldehydes with cationic Ru complex/DBU combination. <i>Chemical Communications</i> , 2005, , 3600.	2.2	48
110	Bismuth- and Hafnium-Catalyzed Hydroamination of Vinyl Arenes with Sulfonamides, Carbamates, and Carboxamides. <i>Chemistry - an Asian Journal</i> , 2007, 2, 150-154.	1.7	48
111	Rhodium(III)/Chiral Carboxylic Acid Catalyzed Enantioselective C(sp ³)-H Alkylation of 8-Ethylquinolines with $\hat{1},\hat{2}$ -Unsaturated Carbonyl Compounds. <i>Organic Letters</i> , 2020, 22, 8256-8260.	2.4	48
112	Weinreb Amide Directed Versatile C-H Bond Functionalization under ($\hat{1}$ - ⁵ - $\hat{6}$ -Pentamethylcyclopentadienyl)cobalt(III) Catalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 10231-10237.	1.7	46
113	Catalytic Asymmetric Epoxidation of $\hat{1},\hat{2}$ -Unsaturated Phosphane Oxides with a Y(O $\hat{1}$ -i>i>Pr) ₃ /Biphenyldiol Complex. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1500-1504.	1.7	45
114	Title is missing!. <i>Angewandte Chemie</i> , 2002, 114, 3788-3790.	1.6	44
115	Cp*CoIII-Catalyzed C-H Functionalization and Asymmetric Reactions Using External Chiral Sources. <i>Synlett</i> , 2019, 30, 1384-1400.	1.0	44
116	Catalytic Asymmetric Synthesis of Spirooxindoles via Addition of Isothiocyanato Oxindoles to Aldehydes Under Dinuclear Nickel Schiff Base Catalysis. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1768-1771.	1.7	43
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