

Shigeki Matsunaga

List of Publications by Year in descending order

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papers

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6613

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304
docs citations

304
times ranked

12376
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#	ARTICLE	IF	CITATIONS
1	X-ray analysis on the nanogram to microgram scale using porous complexes. <i>Nature</i> , 2013, 495, 461-466.	27.8	714
2	An environmental bacterial taxon with a large and distinct metabolic repertoire. <i>Nature</i> , 2014, 506, 58-62.	27.8	530
3	Antitumor polyketide biosynthesis by an uncultivated bacterial symbiont of the marine sponge <i>Theonella swinhoei</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16222-16227.	7.1	501
4	Recent Progress in Asymmetric Bifunctional Catalysis Using Multimetallic Systems. <i>Accounts of Chemical Research</i> , 2009, 42, 1117-1127.	15.6	452
5	Pyrroloindolone 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.	13.7	441
6	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.	13.8	418
7	(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.	4.3	397
8	Air-Stable Carbonyl(pentamethylcyclopentadienyl)cobalt Diodide Complex as a Precursor for Cationic (Pentamethylcyclopentadienyl)cobalt(III) Catalysis: Application for Directed C-H Selective C-H Amidation of Indoles. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1491-1495.	4.3	306
9	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.	13.7	298
10	Cp*Co ^{III} Catalyzed Site-Selective C-H Activation of Unsymmetrical α -Acyl Oximes: Synthesis of Multisubstituted Isoquinolines from Terminal and Internal Alkynes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12968-12972.	13.8	282
11	Design and application of linked-BINOL chiral ligands in bifunctional asymmetric catalysis. <i>Chemical Society Reviews</i> , 2006, 35, 269.	38.1	278
12	Dehydrative Direct C-H Allylation with Allylic Alcohols under [Cp*Co ^{III}] Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9944-9947.	13.8	273
13	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.	13.8	251
14	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.	13.7	251
15	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.	13.7	233
16	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.	13.7	232
17	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.	13.7	230
18	Enantioselective C(sp ³)-C-H Amidation of Thioamides Catalyzed by a Cobalt ^{III} /Chiral Carboxylic Acid Hybrid System. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1153-1157.	13.8	230

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19	Recent advances in cooperative bimetallic asymmetric catalysis: dinuclear Schiff base complexes. <i>Chemical Communications</i> , 2014, 50, 1044-1057.	4.1	229
20	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.	13.7	213
21	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.	13.7	202
22	Direct Catalytic Asymmetric Aldol Reaction of Hydroxyketones: Asymmetric Zn Catalysis with a Et ₂ Zn/Linked-BINOL Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 2169-2178.	13.7	197
23	Direct Catalytic Asymmetric Aldol Reaction: Synthesis of Ethersyn-anti-1,2-Dihydroxy Ketones. <i>Journal of the American Chemical Society</i> , 2001, 123, 2466-2467.	13.7	191
24	A Heterobimetallic Pd/La/Schiff Base Complex for <i>anti</i> -Selective Catalytic Asymmetric Nitroaldol Reactions and Applications to Short Syntheses of 1,2-Adrenoceptor Agonists. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3230-3233.	13.8	186
25	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.	13.7	183
26	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.	3.3	176
27	Direct Catalytic Asymmetric Vinylogous Mannich-Type and Michael Reactions of an 1,2-Unsaturated 3-Butyrolactam under Dinuclear Nickel Catalysis. <i>Journal of the American Chemical Society</i> , 2010, 132, 3666-3667.	13.7	175
28	Cp*Co ^{III} -Catalyzed C2-Selective Addition of Indoles to Imines. <i>Chemistry - A European Journal</i> , 2013, 19, 9142-9146.	3.3	175
29	Direct Catalytic Asymmetric Mannich-type Reaction of Hydroxyketone Using a Et ₂ Zn/Linked-BINOL Complex: Synthesis of Eitheranti- orsyn-1,2-Amino Alcohols. <i>Journal of the American Chemical Society</i> , 2004, 126, 8777-8785.	13.7	174
30	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.	13.7	165
31	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.	13.7	159
32	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.	13.7	157
33	Catalytic Asymmetric 1,4-Addition Reactions Using 1,2-Unsaturated N-Acylpyrroles as Highly Reactive Monodentate 1,2-Unsaturated Ester Surrogates. <i>Journal of the American Chemical Society</i> , 2004, 126, 7559-7570.	13.7	155
34	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.	13.8	155
35	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.	13.8	150
36	Stereodivergent Direct Catalytic Asymmetric Mannich-Type Reactions of 1-Isothiocyanato Ester with Ketimines. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4382-4385.	13.8	149

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37	Cobalt-Catalyzed C4-Selective Direct Alkylation of Pyridines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3213-3216.	13.8	148
38	Lewis Acid Catalyzed Benzylic C-H Bond Functionalization of Azaarenes: Addition to Enones. <i>Organic Letters</i> , 2011, 13, 1706-1709.	4.6	147
39	Direct Catalytic Aldol-Type Reactions Using RCH ₂ CN. <i>Organic Letters</i> , 2003, 5, 3147-3150.	4.6	146
40	A Heterobimetallic Ga/Yb-Schiff Base Complex for Catalytic Asymmetric $\hat{\pm}$ -Addition of Isocyanides to Aldehydes. <i>Journal of the American Chemical Society</i> , 2009, 131, 8384-8385.	13.7	145
41	Bioactive marine metabolites. Part 13. Kabiramide C, a novel antifungal macrolide from nudibranch eggmasses. <i>Journal of the American Chemical Society</i> , 1986, 108, 847-849.	13.7	144
42	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.	13.7	138
43	Construction of Contiguous Tetrasubstituted Chiral Carbon Stereocenters via Direct Catalytic Asymmetric Aldol Reaction of $\hat{\pm}$ -Isothiocyanato Esters with Ketones. <i>Journal of the American Chemical Society</i> , 2009, 131, 17082-17083.	13.7	133
44	A Cp*Co ₂ -dimer as a precursor for cationic Co-catalysis: application to C-H phosphoramidation of indoles. <i>Chemical Communications</i> , 2015, 51, 4659-4661.	4.1	127
45	Pentamethylcyclopentadienyl rhodium(III)-chiral disulfonate hybrid catalysis for enantioselective C-H bond functionalization. <i>Nature Catalysis</i> , 2018, 1, 585-591.	34.4	127
46	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12048-12052.	13.8	125
47	A Stable Homodinuclear Biscobalt(III)-Schiff Base Complex for Catalytic Asymmetric 1,4-Addition Reactions of $\hat{\pm}$ -Keto Esters to Alkynones. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2218-2220.	13.8	124
48	Cp*Co ^{III} -Catalyzed Dehydrative C-H Allylation of 6-Arylpurines and Aromatic Amides Using Allyl Alcohols in Fluorinated Alcohols. <i>Organic Letters</i> , 2016, 18, 2216-2219.	4.6	124
49	Linked-BINOL: An Approach towards Practical Asymmetric Multifunctional Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 3.	4.3	120
50	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.	13.8	120
51	Mixed La [~] Li Heterobimetallic Complexes for Tertiary Nitroaldol Resolution. <i>Journal of the American Chemical Society</i> , 2006, 128, 11776-11777.	13.7	119
52	Metabolic and evolutionary origin of actin-binding polyketides from diverse organisms. <i>Nature Chemical Biology</i> , 2015, 11, 705-712.	8.0	118
53	The Merger of Photoredox and Cobalt Catalysis. <i>Trends in Chemistry</i> , 2020, 2, 410-426.	8.5	114
54	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.	13.7	113

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55	Theonellamides A-E, cytotoxic bicyclic peptides, from a marine sponge <i>Theonella</i> sp.. <i>Journal of Organic Chemistry</i> , 1995, 60, 1177-1181.	3.2	111
56	Catalytic Asymmetric Cyano-Ethoxycarbonylation Reaction of Aldehydes using a YLi ³ Tris(binaphthoxide) (YLB) Complex: A Mechanism and Roles of Achiral Additives. <i>Journal of the American Chemical Society</i> , 2005, 127, 3413-3422.	13.7	110
57	Direct Catalytic Asymmetric Michael 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, 2582-2590.	13.7	105
58	Catalytic Enantioselective Methylene C(sp ³)-H Amidation of 8-Alkylquinolines Using a Cp* ³ Rh/Chiral Carboxylic Acid System. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18154-18158.	13.8	105
59	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.	13.8	104
60	Direct Catalytic Asymmetric Mannich-Type Reactions of β -Butenolides: Effectiveness of Brønsted Acid in Chiral Metal Catalysis. <i>Organic Letters</i> , 2008, 10, 2319-2322.	4.6	104
61	Catalytic Asymmetric Cyclopropanation of Enones with Dimethyloxosulfonium Methylide Promoted by a La ³ -Li ³ (Biphenyldiolate) ³ + NaI Complex. <i>Journal of the American Chemical Society</i> , 2007, 129, 13410-13411.	13.7	103
62	Multimetallic Bifunctional Asymmetric Catalysis Based on Proximity Effect Control. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 60-75.	3.2	101
63	Direct Catalytic Enantio- and Diastereoselective Aldol Reaction Using a Zn ² -Zn-Linked-BINOL Complex: A Practical Synthesis of syn-1,2-Diols. <i>Organic Letters</i> , 2001, 3, 1539-1542.	4.6	100
64	Chiral Carboxylic Acid Assisted Enantioselective C-H Activation with Achiral Cp ^x M ³ (M = Co, Rh, Ir) Catalysts. <i>ACS Catalysis</i> , 2021, 11, 6455-6466.	11.2	99
65	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.	13.7	98
66	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.	13.7	98
67	Stereoselective Synthesis of Tetrasubstituted Alkenes via a Cp*Co ³ -Catalyzed C-H Alkenylation/Directing Group Migration Sequence. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7156-7160.	13.8	98
68	Heterobimetallic Catalysis in Asymmetric 1,4-Addition of O-Alkylhydroxylamine to Enones. <i>Journal of the American Chemical Society</i> , 2003, 125, 16178-16179.	13.7	97
69	Efficient Two-Step Conversion of β,β -Unsaturated Aldehydes to Optically Active β -Oxy- β,β -unsaturated Nitriles and Its Application to the Total Synthesis of (+)-Patulolide C. <i>Organic Letters</i> , 2003, 5, 3021-3024.	4.6	97
70	Chiral 2-Aryl Ferrocene Carboxylic Acids for the Catalytic Asymmetric C(sp ³)-H Activation of Thioamides. <i>Organometallics</i> , 2019, 38, 3921-3926.	2.3	97
71	Cp*-Co(III)-catalyzed oxidative C-H alkenylation of benzamides with ethyl acrylate. <i>Tetrahedron</i> , 2015, 71, 4552-4556.	1.9	96
72	Catalytic Asymmetric Synthesis of Spirooxindoles by a Mannich-Type Reaction of Isothiocyanato Oxindoles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7007-7010.	13.8	94

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73	Sultam Synthesis via Cu-Catalyzed Intermolecular Carboamination of Alkenes with N-Fluorobenzenesulfonimide. <i>Organic Letters</i> , 2013, 15, 2502-2505.	4.6	93
74	Catalytic Asymmetric Synthesis of β -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.	13.7	92
75	Metal/linked-BINOL complexes: Applications in direct catalytic asymmetric Mannich-type reactions. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2089-2100.	1.8	89
76	Sequential Wittig Olefination—Catalytic Asymmetric Epoxidation with Reuse of Waste Ph3P(O): Application of β , γ -Unsaturated N-Acyl Pyrroles as Ester Surrogates. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4680-4684.	13.8	86
77	Eight new cytotoxic metabolites closely related to onnamide A from two marine sponges of the genus <i>Theonella</i> . <i>Tetrahedron</i> , 1992, 48, 8369-8376.	1.9	85
78	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.	13.8	84
79	Site- and Regioselective Monoalkenylation of Pyrroles with Alkynes via Cp*Co(III) Catalysis. <i>Organic Letters</i> , 2016, 18, 5732-5735.	4.6	84
80	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, 3353-3356.	13.8	82
81	Enantioselective Strecker-type reaction promoted by polymer-supported bifunctional catalyst. <i>Tetrahedron Letters</i> , 2001, 42, 279-283.	1.4	81
82	A Heterobimetallic Ni/La-Salan Complex for Catalytic Asymmetric Decarboxylative 1,4-Addition of Malonic Acid Half-Thioester. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2351-2354.	3.3	80
83	Cobalt-Catalyzed C(sp ³) ^α -H Functionalization Reactions. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1193-1205.	2.7	80
84	Aurantosides A and B: cytotoxic tetramic acid glycosides from the marine sponge <i>Theonella</i> sp. <i>Journal of the American Chemical Society</i> , 1991, 113, 9690-9692.	13.7	79
85	Immobilization of asymmetric multifunctional catalysts on an insoluble polymer. <i>Tetrahedron Letters</i> , 2000, 41, 8473-8478.	1.4	77
86	Four New Bioactive Pyrrole-Derived Alkaloids from the Marine Sponge <i>Axinellabrevistyla</i> . <i>Journal of Natural Products</i> , 2001, 64, 1576-1578.	3.0	77
87	Catalytic Asymmetric Aza-Morita-Baylis-Hillman Reaction of Methyl Acrylate: Role of a Bifunctional La(O-iPr) ₃ /Linked-BINOL Complex. <i>Journal of the American Chemical Society</i> , 2010, 132, 11988-11992.	13.7	76
88	Ba-Catalyzed Direct Mannich-Type Reactions of a β , γ -Unsaturated Ester Providing β -Methyl <i>anti</i> -Morita-Baylis-Hillman-Type Products. <i>Organic Letters</i> , 2007, 9, 3387-3390.	4.6	74
89	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.	2.0	72
90	Stereodivergent Catalytic Doubly Diastereoselective Nitroaldol Reactions Using Heterobimetallic Complexes. <i>Organic Letters</i> , 2008, 10, 2231-2234.	4.6	71

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91	Non-C ₂ -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.	13.8	70
92	Chiral β -Amino Amide Synthesis by Heterobimetallic Lanthanum/Lithium/Pybox-Catalyzed Direct Asymmetric Mannich-Type Reactions of α -Keto Anilides. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6847-6850.	13.8	70
93	Single-bacterial genomics validates rich and varied specialized metabolism of uncultivated <i>Entotheonella</i> sponge symbionts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1718-1723.	7.1	70
94	Surugamides A-E, Cyclic Octapeptides with Four α -Amino Acid Residues, from a Marine <i>Streptomyces</i> sp.: LC-MS-Aided Inspection of Partial Hydrolysates for the Distinction of α - and β -Amino Acid Residues in the Sequence. <i>Journal of Organic Chemistry</i> , 2013, 78, 6746-6750.	3.2	69
95	Multimetallic Schiff Base Complexes as Cooperative Asymmetric Catalysts. <i>Synthesis</i> , 2013, 45, 421-437.	2.3	69
96	Cobalt-Catalyzed α Selective Alkylation of Quinolines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 401-405.	4.3	69
97	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.	13.8	67
98	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.	4.1	67
99	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.	4.6	65
100	Catalytic nucleophilic activation of acetonitrile via a cooperative catalysis of cationic Ru complex, DBU, and NaPF ₆ . <i>Tetrahedron</i> , 2007, 63, 8598-8608.	1.9	65
101	<i>syn</i> -Selective Catalytic Asymmetric 1,4-Addition of α -Ketoanilides to Nitroalkenes under Dinuclear Nickel Catalysis. <i>Organic Letters</i> , 2010, 12, 3246-3249.	4.6	63
102	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.	2.7	63
103	Strategies for Constructing Diverse Chiral Environments in Multimetallic Bifunctional Asymmetric Catalysis. <i>Synlett</i> , 2008, 2008, 1583-1602.	1.8	61
104	Cobalt-Catalyzed Allylic Alkylation Enabled by Organophotoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9199-9203.	13.8	59
105	Aurantiosides D, E, and F: A New Antifungal Tetramic Acid Glycosides from the Marine Sponge <i>Siliquariaspongia japonica</i> 1. <i>Journal of Natural Products</i> , 1999, 62, 969-971.	3.0	58
106	Silane- and peroxide-free hydrogen atom transfer hydrogenation using ascorbic acid and cobalt-photoredox dual catalysis. <i>Nature Communications</i> , 2021, 12, 966.	12.8	58
107	An Efficient Synthesis of Bicyclic Amidines by Intramolecular Cyclization. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 478-482.	13.8	57
108	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.	4.6	57

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109	Dinuclear Ni ^{II} -Schiff base complex-catalyzed asymmetric 1,4-addition of α -keto esters to nitroethylene toward β -2,2-amino acid synthesis. <i>Chemical Communications</i> , 2011, 47, 469-471.	4.1	57
110	Cp*Co ^{III} -catalyzed directed C-H trifluoromethylthiolation of 2-phenylpyridines and 6-arylpurines. <i>Chemical Communications</i> , 2017, 53, 5974-5977.	4.1	57
111	Inhibition of protein synthesis and activation of stress-activated protein kinases by onnamide A and theopederin B, antitumor marine natural products. <i>Cancer Science</i> , 2005, 96, 357-364.	3.9	56
112	Role of secondary metabolites as defense chemicals against ice-ice disease bacteria in biofouler at carrageenophyte farms. <i>Journal of Applied Phycology</i> , 2010, 22, 305-311.	2.8	55
113	Regiodivergent Kinetic Resolution of Terminal and Internal <i>cis</i> -Aziridines with Malonates under Dinuclear Schiff Base Catalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 9190-9194.	13.7	55
114	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.	13.7	55
115	Cyclotheonamides E2 and E3, New Potent Serine Protease Inhibitors from the Marine Sponge of the Genus <i>Theonella</i> 1. <i>Journal of Natural Products</i> , 1998, 61, 667-670.	3.0	53
116	Relative and Absolute Stereochemistry of Mycalolides, Bioactive Macrolides from the Marine Sponge <i>Mycale magellanica</i> 1. <i>Journal of the American Chemical Society</i> , 1999, 121, 5605-5606.	13.7	53
117	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. <i>Angewandte Chemie</i> , 2018, 130, 12224-12228.	2.0	53
118	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.	13.8	52
119	Development of Pseudo- <i>C₂</i> -symmetric Chiral Binaphthyl Monocarboxylic Acids for Enantioselective C(sp ³)-H Functionalization Reactions under Rh(III) Catalysis. <i>ACS Catalysis</i> , 2021, 11, 4271-4277.	11.2	52
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