Shigeki Matsunaga

List of Publications by Year in Descending Order

196 papers	14,457 citations	72 h-index	114 g-index
302 ext. papers	15,783 ext. citations	8.8 avg, IF	6.98 L-index

#	Paper	IF	Citations
196	Regioselective Deaminative Allylation of Aliphatic Amines via Dual Cobalt and Organophotoredox Catalysis.. *Organic Letters*, **2022**,	6.2	2
195	Achiral Cp*Rh(III)/Chiral Lewis Base Cooperative Catalysis for Enantioselective Cyclization via C-H Activation.. *Journal of the American Chemical Society*, **2022**,	16.4	6
194	Cobalt(III)/Chiral Carboxylic Acid-Catalyzed Enantioselective Synthesis of Benzothiadiazine-1-oxides via C-H Activation.. *Angewandte Chemie - International Edition*, **2022**, e202205341	16.4	6
193	Cp*RhIII/Chiral Disulfonate/CuOAc Catalyst System for the Enantioselective Intramolecular Oxyamination of Alkenes. *ACS Catalysis*, **2021**, 11, 15187-15193	13.1	3
192	Cp*Ir(III)/chiral carboxylic acid-catalyzed enantioselective C–H alkylation of ferrocene carboxamides with diazomalonates. *Organic Chemistry Frontiers*, **2021**, 8, 6923-6930	5.2	4
191	Development of Pseudo-C2-symmetric Chiral Binaphthyl Monocarboxylic Acids for Enantioselective C(sp3)–H Functionalization Reactions under Rh(III) Catalysis. *ACS Catalysis*, **2021**, 11, 4271-4277	13.1	15
190	Chiral Carboxylic Acid Assisted Enantioselective C–H Activation with Achiral CpxMIII (M = Co, Rh, Ir) Catalysts. *ACS Catalysis*, **2021**, 11, 6455-6466	13.1	31
189	Chemoselective Cleavage of Si-C(sp) Bonds in Unactivated Tetraalkylsilanes Using Iodine Tris(trifluoroacetate). *Journal of the American Chemical Society*, **2021**, 143, 103-108	16.4	9
188	Transition-metal-free nucleophilic At-astatination of spirocyclic aryliodonium ylides. *Organic and Biomolecular Chemistry*, **2021**, 19, 5525-5528	3.9	1
187	Silane- and peroxide-free hydrogen atom transfer hydrogenation using ascorbic acid and cobalt-photoredox dual catalysis. *Nature Communications*, **2021**, 12, 966	17.4	17
186	Metal-Containing Schiff Base/Sulfoxide Ligands for Pd(II)-Catalyzed Asymmetric Allylic C–H Aminations. *ACS Catalysis*, **2021**, 11, 2663-2668	13.1	12
185	Generation of Monoaryl-λ3-iodanes from Arylboron Compounds through ipso-Substitution. *Heterocycles*, **2021**, 103, 670	0.8	1
184	Iridium(III) Catalysts with an Amide-Pendant Cyclopentadienyl Ligand: Double Aromatic Homologation Reactions of Benzamides by Fourfold C–H Activation. *Angewandte Chemie*, **2020**, 132, 10560-10564	3.6	1
183	Allyl 4-Chlorophenyl Sulfone as a Versatile 1,1-Synthon for Sequential α-Alkylation/Cobalt-Catalyzed Allylic Substitution. *Synthesis*, **2020**, 52, 1934-1946	2.9	9
182	Iridium(III) Catalysts with an Amide-Pendant Cyclopentadienyl Ligand: Double Aromatic Homologation Reactions of Benzamides by Fourfold C-H Activation. *Angewandte Chemie - International Edition*, **2020**, 59, 10474-10478	16.4	8
181	The Merger of Photoredox and Cobalt Catalysis. *Trends in Chemistry*, **2020**, 2, 410-426	14.8	50
180	Diverse Approaches for Enantioselective C-H Functionalization Reactions Using Group 9 Cp M Catalysts. *Chemistry - A European Journal*, **2020**, 26, 7346-7357	4.8	91

179	Cp*CoIII/Chiral Carboxylic Acid-Catalyzed Enantioselective 1,4-Addition Reactions of Indoles to Maleimides. *Asian Journal of Organic Chemistry*, **2020**, 9, 368-371	3	32
178	Rhodium(III)/Chiral Carboxylic Acid Catalyzed Enantioselective C(sp)-H Alkylation of 8-Ethylquinolines with Unsaturated Carbonyl Compounds. *Organic Letters*, **2020**, 22, 8256-8260	6.2	23
177	Imidate as the Intact Directing Group for the Cobalt-Catalyzed C-H Allylation. *Journal of Organic Chemistry*, **2019**, 84, 13203-13210	4.2	13
176	Cobalt-Catalyzed Allylic Alkylation Enabled by Organophotoredox Catalysis. *Angewandte Chemie*, **2019**, 131, 9297-9301	3.6	5
175	Cp*CoIII-Catalyzed CH Functionalization and Asymmetric Reactions Using External Chiral Sources. *Synlett*, **2019**, 30, 1384-1400	2.2	29
174	Synthesis of Heteroaryl Iodanes(III) via ipso-Substitution Reactions Using Iodine Triacetate Assisted by HFIP. *Asian Journal of Organic Chemistry*, **2019**, 8, 1107-1110	3	9
173	Cobalt-Catalyzed Allylic Alkylation Enabled by Organophotoredox Catalysis. *Angewandte Chemie - International Edition*, **2019**, 58, 9199-9203	16.4	44
172	Chiral 2-Aryl Ferrocene Carboxylic Acids for the Catalytic Asymmetric C(sp3)H Activation of Thioamides. *Organometallics*, **2019**, 38, 3921-3926	3.8	47
171	Isolation and identification of -isopentenyladenosine as the cytotoxic constituent of a marine sponge sp. *Bioscience, Biotechnology and Biochemistry*, **2019**, 83, 1985-1988	2.1	2
170	Cobalt-catalyzed Synthesis of Homoallylic Amines from Imines and Terminal Alkenes. *Chemistry Letters*, **2019**, 48, 1046-1049	1.7	6
169	Catalytic Enantioselective Methylene C(sp)-H Amidation of 8-Alkylquinolines Using a Cp*Rh /Chiral Carboxylic Acid System. *Angewandte Chemie - International Edition*, **2019**, 58, 18154-18158	16.4	61
168	Catalytic Enantioselective Methylene C(sp3)H Amidation of 8-Alkylquinolines Using a Cp*RhIII/Chiral Carboxylic Acid System. *Angewandte Chemie*, **2019**, 131, 18322-18326	3.6	25
167	Unique Reactivity of High-valent Cobalt Catalysis in C-H Functionalization and Development of Catalytic Asymmetric C-H Functionalization Reactions. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2019**, 77, 330-340	0.2	
166	Enantioselective C(sp3)H Amidation of Thioamides Catalyzed by a CobaltIII/Chiral Carboxylic Acid Hybrid System. *Angewandte Chemie*, **2019**, 131, 1165-1169	3.6	49
165	Enantioselective C(sp)-H Amidation of Thioamides Catalyzed by a Cobalt /Chiral Carboxylic Acid Hybrid System. *Angewandte Chemie - International Edition*, **2019**, 58, 1153-1157	16.4	132
164	Synthesis of Functionalized Monoaryl-iodanes through Chemo- and Site-Selective ipso-Substitution Reactions. *Chemistry - A European Journal*, **2019**, 25, 1217-1220	4.8	9
163	Synthesis of 1,1Spirobiindane-7,7Disulfonic Acid and Disulfonimide: Application for Catalytic Asymmetric Aminalization. *Chemistry - an Asian Journal*, **2018**, 13, 2378-2381	4.5	16
162	Palladium-Catalyzed Germylation of Aryl Bromides and Aryl Triflates Using Hexamethyldigermane. *Synthesis*, **2018**, 50, 2067-2075	2.9	10

161	DOCK1 inhibition suppresses cancer cell invasion and macropinocytosis induced by self-activating Rac1 mutation. *Biochemical and Biophysical Research Communications*, **2018**, 497, 298-304	3.4	17
160	Synthesis of Fluorine-Containing 6-Arylpurine Derivatives via Cp*Co(III)-Catalyzed C-H Bond Activation. *Chemical and Pharmaceutical Bulletin*, **2018**, 66, 51-54	1.9	23
159	Pentamethylcyclopentadienyl rhodium(III)□chiral disulfonate hybrid catalysis for enantioselective C□H bond functionalization. *Nature Catalysis*, **2018**, 1, 585-591	36.5	88
158	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. *Angewandte Chemie - International Edition*, **2018**, 57, 12048-12052	16.4	88
157	Cobalt-Catalyzed C(sp3)□H Functionalization Reactions. *Asian Journal of Organic Chemistry*, **2018**, 7, 1193-1205	3	61
156	Weinreb Amide Directed Versatile C-H Bond Functionalization under (□ -Pentamethylcyclopentadienyl)cobalt(III) Catalysis. *Chemistry - A European Journal*, **2018**, 24, 10231	4.8	34
155	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C□H Functionalization. *Angewandte Chemie*, **2018**, 130, 12224-12228	3.6	47
154	Hybrid Catalysis Enabling Room-Temperature Hydrogen Gas Release from N-Heterocycles and Tetrahydronaphthalenes. *Journal of the American Chemical Society*, **2017**, 139, 2204-2207	16.4	125
153	Stereoselective Synthesis of Tetrasubstituted Alkenes via a Cp*Co -Catalyzed C-H Alkenylation/Directing Group Migration Sequence. *Angewandte Chemie - International Edition*, **2017** , 56, 7156-7160	16.4	82
152	Cp*Co-catalyzed directed C-H trifluoromethylthiolation of 2-phenylpyridines and 6-arylpurines. *Chemical Communications*, **2017**, 53, 5974-5977	5.8	48
151	Targeting Ras-Driven Cancer Cell Survival and Invasion through Selective Inhibition of DOCK1. *Cell Reports*, **2017**, 19, 969-980	10.6	41
150	Stereoselective Synthesis of Tetrasubstituted Alkenes via a Cp*CoIII-Catalyzed C□H Alkenylation/Directing Group Migration Sequence. *Angewandte Chemie*, **2017**, 129, 7262-7266	3.6	23
149	(Pentamethylcyclopentadienyl)cobalt(III)-Catalyzed C□H Bond Functionalization: From Discovery to Unique Reactivity and Selectivity. *Advanced Synthesis and Catalysis*, **2017**, 359, 1245-1262	5.6	327
148	Cp*Co-Catalyzed C-H Alkenylation/Annulation Reactions of Indoles with Alkynes: A DFT Study. *Journal of Organic Chemistry*, **2017**, 82, 7379-7387	4.2	28
147	High-Valent Cobalt-Catalyzed CH Bond Functionalization. *Advances in Organometallic Chemistry*, **2017**, 68, 197-247	3.8	30
146	A Novel Spiro-Heterocyclic Compound Identified by the Silkworm Infection Model Inhibits Transcription in. *Frontiers in Microbiology*, **2017**, 8, 712	5.7	14
145	Site- and Regioselective Monoalkenylation of Pyrroles with Alkynes via Cp*Co Catalysis. *Organic Letters*, **2016**, 18, 5732-5735	6.2	71
144	Enantio-and diastereoselective desymmetrization of □alkyl-□diazoesters by dirhodium(II)-catalyzed intramolecular C□H insertion. *Tetrahedron*, **2016**, 72, 3939-3947	2.4	15

143	Cp*Co(III)-Catalyzed Dehydrative C-H Allylation of 6-Arylpurines and Aromatic Amides Using Allyl Alcohols in Fluorinated Alcohols. *Organic Letters*, **2016**, 18, 2216-9	6.2	105
142	Cobalt-Catalyzed C5-Selective C-H Functionalization of 4-Me-Quinolines with Styrenes: An Approach to 5,6-Dihydro-4H-benzo[de]quinolines. *Heterocycles*, **2015**, 90, 89	0.8	7
141	Dehydrative Direct C?H Allylation with Allylic Alcohols under [Cp*CoIII] Catalysis. *Angewandte Chemie*, **2015**, 127, 10082-10085	3.6	76
140	Cp*Co(III) Catalyzed Site-Selective C-H Activation of Unsymmetrical O-Acyl Oximes: Synthesis of Multisubstituted Isoquinolines from Terminal and Internal Alkynes. *Angewandte Chemie - International Edition*, **2015**, 54, 12968-72	16.4	254
139	Cp*CoIII Catalyzed Site-Selective C?H Activation of Unsymmetrical O-Acyl Oximes: Synthesis of Multisubstituted Isoquinolines from Terminal and Internal Alkynes. *Angewandte Chemie*, **2015**, 127, 13160-13164	3.6	87
138	Dehydrative Direct C-H Allylation with Allylic Alcohols under [Cp*Co(III)] Catalysis. *Angewandte Chemie - International Edition*, **2015**, 54, 9944-7	16.4	242
137	Catalytic Asymmetric Iterative/Domino Aldehyde Cross-Aldol Reactions for the Rapid and Flexible Synthesis of 1,3-Polyols. *Journal of the American Chemical Society*, **2015**, 137, 15418-21	16.4	43
136	A Cp*CoI2-dimer as a precursor for cationic Co(III)-catalysis: application to C-H phosphoramidation of indoles. *Chemical Communications*, **2015**, 51, 4659-61	5.8	113
135	Cp*Co(III)-catalyzed oxidative CH alkenylation of benzamides with ethyl acrylate. *Tetrahedron*, **2015**, 71, 4552-4556	2.4	91
134	Air-Stable Carbonyl(pentamethylcyclopentadienyl)cobalt Diiodide Complex as a Precursor for Cationic (Pentamethylcyclopentadienyl)cobalt(III) Catalysis: Application for Directed C-2 Selective C?H Amidation of Indoles. *Advanced Synthesis and Catalysis*, **2014**, 356, 1491-1495	5.6	267
133	Recent advances in cooperative bimetallic asymmetric catalysis: dinuclear Schiff base complexes. *Chemical Communications*, **2014**, 50, 1044-57	5.8	198
132	Pyrroloindolone synthesis via a Cp*Co(III)-catalyzed redox-neutral directed C-H alkenylation/annulation sequence. *Journal of the American Chemical Society*, **2014**, 136, 5424-31	16.4	408
131	Regiodivergent kinetic resolution of terminal and internal rac-aziridines with malonates under dinuclear Schiff base catalysis. *Journal of the American Chemical Society*, **2014**, 136, 9190-4	16.4	47
130	Gallium Trichloride **2014**, 1-8		1
129	Cobalt-Catalyzed C-4 Selective Alkylation of Quinolines. *Advanced Synthesis and Catalysis*, **2014**, 356, 401-405	5.6	61
128	Enantioselective Synthesis of Spirooxindoles via Direct Catalytic Asymmetric Aldol-Type Reaction of Isothiocyanato Oxindoles. *Heterocycles*, **2014**, 88, 475	0.8	14
127	Sultam synthesis via Cu-catalyzed intermolecular carboamination of alkenes with N-fluorobenzenesulfonimide. *Organic Letters*, **2013**, 15, 2502-5	6.2	79
126	Structure-activity relationship study of novel iminothiadiazolo-pyrimidinone antimicrobial agents. *Journal of Antibiotics*, **2013**, 66, 663-7	3.7	12

125	Catalytic asymmetric synthesis of spirooxindoles via addition of isothiocyanato oxindoles to aldehydes under dinuclear nickel Schiff base catalysis. *Chemistry - an Asian Journal*, **2013**, 8, 1768-71	4.5	39
124	A cationic high-valent Cp*Co(III) complex for the catalytic generation of nucleophilic organometallic species: directed C-H bond activation. *Angewandte Chemie - International Edition*, **2013**, 52, 2207-11	16.4	369
123	Cobalt-catalyzed C4-selective direct alkylation of pyridines. *Angewandte Chemie - International Edition*, **2013**, 52, 3213-6	16.4	130
122	Cp*Co(III)-catalyzed C2-selective addition of indoles to imines. *Chemistry - A European Journal*, **2013**, 19, 9142-6	4.8	163
121	Multimetallic Schiff Base Complexes as Cooperative Asymmetric Catalysts. *Synthesis*, **2013**, 45, 421-437	2.9	56
120	Cobalt-Catalyzed C4-Selective Direct Alkylation of Pyridines. *Angewandte Chemie*, **2013**, 125, 3295-3298	3.6	49
119	Rh-catalyzed aldehyde-aldehyde cross-aldol reaction under base-free conditions: in situ aldehyde-derived enolate formation through orthogonal activation. *Chemistry - an Asian Journal*, **2013**, 8, 2974-83	4.5	8
118	A Cationic High-Valent Cp*CoIII Complex for the Catalytic Generation of Nucleophilic Organometallic Species: Directed C?H Bond Activation. *Angewandte Chemie*, **2013**, 125, 2263-2267	3.6	139
117	Catalytic Asymmetric Amination of Oxindoles under Dinuclear Nickel Schiff Base Catalysis. *Heterocycles*, **2012**, 84, 879	0.8	10
116	Rhodium-Catalyzed Cross-Aldol Reaction: In Situ Aldehyde-Enolate Formation from Allyloxyboranes and Primary Allylic Alcohols. *Angewandte Chemie*, **2012**, 124, 10421-10425	3.6	17
115	Rhodium-catalyzed cross-aldol reaction: in situ aldehyde-enolate formation from allyloxyboranes and primary allylic alcohols. *Angewandte Chemie - International Edition*, **2012**, 51, 10275-9	16.4	34
114	Enantioselective synthesis of 2,2-disubstituted terminal epoxides via catalytic asymmetric Corey-Chaykovsky epoxidation of ketones. *Molecules*, **2012**, 17, 1617-34	4.8	20
113	Catalytic Asymmetric Total Synthesis of Chimonanthine, Folicanthine, and Calycanthine through Double Michael Reaction of Bisoxindole. *Angewandte Chemie*, **2012**, 124, 5307-5311	3.6	46
112	Catalytic Asymmetric Synthesis of Spirooxindoles by a Mannich-Type Reaction of Isothiocyanato Oxindoles. *Angewandte Chemie*, **2012**, 124, 7113-7116	3.6	27
111	Catalytic asymmetric total synthesis of chimonanthine, folicanthine, and calycanthine through double Michael reaction of bisoxindole. *Angewandte Chemie - International Edition*, **2012**, 51, 5217-21	16.4	143
110	Catalytic asymmetric synthesis of spirooxindoles by a mannich-type reaction of isothiocyanato oxindoles. *Angewandte Chemie - International Edition*, **2012**, 51, 7007-10	16.4	87
109	Mg-catalyzed enantioselective benzylic C-H bond functionalization of isoindolinones: addition to imines. *Chemistry - A European Journal*, **2012**, 18, 7654-7	4.8	14
108	Cationic bismuth-catalyzed hydroamination and direct substitution of the hydroxy group in alcohols with amides. *Topics in Current Chemistry*, **2012**, 311, 179-97		2

107	Direct Catalytic Asymmetric Vinylogous Michael Reaction of □Unsaturated □Butyrolactam under Dinuclear Nickel Schiff Base Catalysis. *Heterocycles*, **2012**, 86, 611	0.8	18
106	BINOL **2011**, 295-332		29
105	Lewis acid catalyzed benzylic C-H bond functionalization of azaarenes: addition to enones. *Organic Letters*, **2011**, 13, 1706-9	6.2	132
104	Multimetallic Multifunctional Catalysts for Asymmetric Reactions. *Topics in Organometallic Chemistry*, **2011**, 1-30	0.6	38
103	Construction of contiguous tetrasubstituted chiral carbon stereocenters via direct catalytic asymmetric aldol and Mannich-type reactions. *Chemical Record*, **2011**, 11, 260-8	6.6	19
102	Stereodivergent Direct Catalytic Asymmetric Mannich-Type Reactions of □sothiocyanato Ester with Ketimines. *Angewandte Chemie*, **2011**, 123, 4474-4477	3.6	63
101	Stereodivergent direct catalytic asymmetric Mannich-type reactions of □sothiocyanato ester with ketimines. *Angewandte Chemie - International Edition*, **2011**, 50, 4382-5	16.4	143
100	Catalytic asymmetric ring-opening of meso-aziridines with malonates under heterodinuclear rare earth metal Schiff base catalysis. *Journal of the American Chemical Society*, **2011**, 133, 5791-3	16.4	91
99	Dinuclear Ni2-Schiff base complex-catalyzed asymmetric 1,4-addition of □keto esters to nitroethylene toward □2,2)-amino acid synthesis. *Chemical Communications*, **2011**, 47, 469-71	5.8	52
98	Catalytic asymmetric 1,4-additions of beta-keto esters to nitroalkenes promoted by a bifunctional homobimetallic Co2-Schiff base complex. *Molecules*, **2010**, 15, 532-44	4.8	32
97	Bifunctional Asymmetric Catalysis Based on Dinuclear Schiff Base Complexes. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2010**, 68, 1142-1149	0.2	13
96	Catalytic asymmetric aza-Morita-Baylis-Hillman reaction of methyl acrylate: role of a bifunctional La(O-iPr)3/linked-BINOL complex. *Journal of the American Chemical Society*, **2010**, 132, 11988-92	16.4	72
95	Direct catalytic asymmetric vinylogous Mannich-type and Michael reactions of an alpha,beta-unsaturated gamma-butyrolactam under dinuclear nickel catalysis. *Journal of the American Chemical Society*, **2010**, 132, 3666-7	16.4	157
94	Catalytic asymmetric synthesis of 3-aminooxindoles: enantiofacial selectivity switch in bimetallic vs monometallic Schiff base catalysis. *Journal of the American Chemical Society*, **2010**, 132, 1255-7	16.4	237
93	Solution structure of polytheonamide B, a highly cytotoxic nonribosomal polypeptide from marine sponge. *Journal of the American Chemical Society*, **2010**, 132, 12941-5	16.4	71
92	Heterobimetallic transition metal/rare earth metal bifunctional catalysis: a Cu/Sm/Schiff base complex for syn-selective catalytic asymmetric nitro-Mannich reaction. *Journal of the American Chemical Society*, **2010**, 132, 4925-34	16.4	186
91	syn-Selective catalytic asymmetric 1,4-addition of alpha-ketoanilides to nitroalkenes under dinuclear nickel catalysis. *Organic Letters*, **2010**, 12, 3246-9	6.2	57
90	A heterobimetallic Ni/La-salan complex for catalytic asymmetric decarboxylative 1,4-addition of malonic acid half-thioester. *Chemistry - an Asian Journal*, **2010**, 5, 2351-4	4.5	72

89	Catalytic Asymmetric Synthesis of Nitrogen-Containing gem-Bisphosphonates Using a Dinuclear Ni2-Schiff Base Complex. *Synlett*, **2009**, 2009, 1635-1638	2.2	7
88	Catalytic Asymmetric Synthesis of 2,2-Disubstituted Oxetanes from Ketones by Using a One-Pot Sequential Addition of Sulfur Ylide. *Angewandte Chemie*, **2009**, 121, 1705-1708	3.6	33
87	A Stable Homodinuclear Biscobalt(III)Schiff Base Complex for Catalytic Asymmetric 1,4-Addition Reactions of Keto Esters to Alkynones. *Angewandte Chemie*, **2009**, 121, 2252-2254	3.6	28
86	Direct anti-Selective Catalytic Asymmetric Mannich-Type Reactions of Ketoanilides for the Synthesis of Amino Amides and Azetidine-2-amides. *Angewandte Chemie*, **2009**, 121, 3403-3406	3.6	18
85	Catalytic asymmetric synthesis of 2,2-disubstituted oxetanes from ketones by using a one-pot sequential addition of sulfur ylide. *Angewandte Chemie - International Edition*, **2009**, 48, 1677-80	16.4	77
84	A stable homodinuclear biscobalt(III)-Schiff base complex for catalytic asymmetric 1,4-addition reactions of beta-keto esters to alkynones. *Angewandte Chemie - International Edition*, **2009**, 48, 2218-20	16.4	121
83	Direct anti-selective catalytic asymmetric Mannich-type reactions of alpha-ketoanilides for the synthesis of gamma-amino amides and azetidine-2-amides. *Angewandte Chemie - International Edition*, **2009**, 48, 3353-6	16.4	70
82	Mixed LaLi heterobimetallic complexes for tertiary nitroaldol resolution. *Tetrahedron*, **2009**, 65, 5030-5036	2.4	30
81	Catalytic asymmetric synthesis of alpha-alkylidene-beta-hydroxy esters via dynamic kinetic asymmetric transformation involving Ba-catalyzed direct aldol reaction. *Journal of the American Chemical Society*, **2009**, 131, 10842-3	16.4	86
80	Recent progress in asymmetric bifunctional catalysis using multimetallic systems. *Accounts of Chemical Research*, **2009**, 42, 1117-27	24.3	404
79	A heterobimetallic Ga/Yb-Schiff base complex for catalytic asymmetric alpha-addition of isocyanides to aldehydes. *Journal of the American Chemical Society*, **2009**, 131, 8384-5	16.4	138
78	Construction of contiguous tetrasubstituted chiral carbon stereocenters via direct catalytic asymmetric aldol reaction of alpha-isothiocyanato esters with ketones. *Journal of the American Chemical Society*, **2009**, 131, 17082-3	16.4	123
77	A homodinuclear Mn(III)2-Schiff base complex for catalytic asymmetric 1,4-additions of oxindoles to nitroalkenes. *Journal of the American Chemical Society*, **2009**, 131, 9168-9	16.4	207
76	Direct catalytic asymmetric aldol reaction of beta-keto esters with formaldehyde promoted by a dinuclear Ni2-Schiff base complex. *Chemical Communications*, **2009**, 5138-40	5.8	60
75	A bench-stable homodinuclear Ni2-Schiff base complex for catalytic asymmetric synthesis of alpha-tetrasubstituted anti-alpha,beta-diamino acid surrogates. *Journal of the American Chemical Society*, **2008**, 130, 2170-1	16.4	286
74	Stereodivergent catalytic doubly diastereoselective nitroaldol reactions using heterobimetallic complexes. *Organic Letters*, **2008**, 10, 2231-4	6.2	70
73	Direct catalytic asymmetric Mannich-type reaction of beta-keto phosphonate using a dinuclear Ni2-Schiff base complex. *Organic Letters*, **2008**, 10, 3239-42	6.2	53
72	Sc3+-catalyzed aldol-type additions of N-benzoylcyclopropanecarboxamides via iodide-mediated ring-opening: stereoselective synthesis of gamma-lactams. *Organic Letters*, **2008**, 10, 1661-4	6.2	11

71	Catalytic asymmetric synthesis of 2,2-disubstituted terminal epoxides via dimethyloxosulfonium methylide addition to ketones. *Journal of the American Chemical Society*, **2008**, 130, 10078-9	16.4	87
70	Strategies for Constructing Diverse Chiral Environments in Multimetallic Bifunctional Asymmetric Catalysis. *Synlett*, **2008**, 2008, 1583-1602	2.2	59
69	A DyI3-catalyzed Mannich-type Reaction of 1-Methylcyclopropanecarboxylate-type Donors for the Stereoselective Synthesis of Pyrrolidines with Quaternary Stereocenters. *Chemistry Letters*, **2008**, 37, 1180-1181	1.7	5
68	Multimetallic Bifunctional Asymmetric Catalysis Based on Proximity Effect Control. *Bulletin of the Chemical Society of Japan*, **2008**, 81, 60-75	5.1	94
67	A heterobimetallic Pd/La/Schiff base complex for anti-selective catalytic asymmetric nitroaldol reactions and applications to short syntheses of beta-adrenoceptor agonists. *Angewandte Chemie - International Edition*, **2008**, 47, 3230-3	16.4	172
66	Chiral gamma-amino amide synthesis by heterobimetallic lanthanum/lithium/Pybox-catalyzed direct asymmetric mannich-type reactions of alpha-keto anilides. *Angewandte Chemie - International Edition*, **2008**, 47, 6847-50	16.4	63
65	Lewis base assisted Brønsted base catalysis: bidentate phosphine oxides as activators and modulators of Brønsted basic lanthanum-aryloxides. *Angewandte Chemie - International Edition*, **2008**, 47, 9125-9	16.4	44
64	A Heterobimetallic Pd/La/Schiff Base Complex for anti-Selective Catalytic Asymmetric Nitroaldol Reactions and Applications to Short Syntheses of β-Adrenoceptor Agonists. *Angewandte Chemie*, **2008**, 120, 3274-3277	3.6	42
63	Chiral γ-Amino Amide Synthesis by Heterobimetallic Lanthanum/Lithium/Pybox-Catalyzed Direct Asymmetric Mannich-Type Reactions of α-Keto Anilides. *Angewandte Chemie*, **2008**, 120, 6953-6956	3.6	23
62	Lewis Base Assisted Brønsted Base Catalysis: Bidentate Phosphine Oxides as Activators and Modulators of Brønsted Basic Lanthanum-Aryloxides. *Angewandte Chemie*, **2008**, 120, 9265-9269	3.6	13
61	A method for the synthesis of an oseltamivir PET tracer. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 600-2	2.9	23
60	Direct catalytic asymmetric Mannich-type reactions of gamma-butenolides: effectiveness of Brønsted acid in chiral metal catalysis. *Organic Letters*, **2008**, 10, 2319-22	6.2	100
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