Tohru Yamada

List of Publications by Year
in descending order

102 papers	4,251 citations	87888 38 h-index	128289 60 g-index
116 all docs	116 docs citations	116 times ranked	2409 citing authors

#	Article	IF	Citations
1	Silver-Catalyzed Incorporation of Carbon Dioxide into Propargylic Alcohols. European Journal of Organic Chemistry, 2007, 2007, 2604-2607.	2.4	187
2	Direct Epoxidation of Olefins Catalyzed by Nickel(II) Complexes with Molecular Oxygen and Aldehydes. Bulletin of the Chemical Society of Japan, 1991, 64, 2109-2117.	3.2	168
3	Enantioselective Reduction of Ketones with Sodium Borohydride, Catalyzed by Optically Active(Î²-Oxoaldiminato)cobalt(II) Complexes. Angewandte Chemie International Edition in English, 1995, 34, 2145-2147.	4.4	152
4	Silver-Catalyzed Enantioselective Carbon Dioxide Incorporation into Bispropargylic Alcohols. Journal of the American Chemical Society, 2010, 132, 4072-4073.	13.7	139
5	Silver-Catalyzed Incorporation of Carbon Dioxide into o-Alkynylaniline Derivatives. Organic Letters, 2013, 15, 848-851.	4.6	125
6	Silver-catalyzed Preparation of Oxazolidinones from Carbon Dioxide and Propargylic Amines. Chemistry Letters, 2009, 38, 786-787.	1.3	124
7	Carbon Dioxide-Mediated Catalytic Rearrangement of Propargyl Alcohols into Î±,Î²-Unsaturated Ketones. Journal of the American Chemical Society, 2007, 129, 12902-12903.	13.7	118
8	Silver-Catalyzed Carbon Dioxide Incorporation and Rearrangement on Propargylic Derivatives. Bulletin of the Chemical Society of Japan, 2011, 84, 698-717.	3.2	116
9	Aerobic Epoxidation of Olefinic Compounds Catalyzed by Tris(1,3-diketonato)iron(III). Bulletin of the Chemical Society of Japan, 1991, 64, 2513-2518.	3.2	97
10	Enantioselective Henry Reaction Catalyzed by Optically Active Ketoiminatocobalt Complexes. Chemistry Letters, 2004, 33, 614-615.	1.3	97
11	Efficient Preparation of 4-Hydroxyquinolin-2(1H)-one Derivatives with Silver-Catalyzed Carbon Dioxide Incorporation and Intramolecular Rearrangement. Organic Letters, 2013, 15, 3710-3713.	4.6	95
12	Cï£¿C Bond Formation with Carbon Dioxide Promoted by a Silver Catalyst. Angewandte Chemie - International Edition, 2012, 51, 6989-6992.	13.8	91
13	Enantioselective 1,3-Dipolar Cycloaddition of Nitrones Catalyzed by Optically Active Cationic Cobalt(III) Complexes. Organic Letters, 2002, 4, 2457-2460.	4.6	89
14	Enantioselective Borohydride Reduction Catalyzed by Optically Active Cobalt Complexes. Chemistry - A European Journal, 2003, 9, 4485-4509.	3.3	88
15	Catalytic Oxidationâ€“Reduction Hydration of Olefin with Molecular Oxygen in the Presence of Bis(1,3-diketonato)cobalt(II) Complexes. Bulletin of the Chemical Society of Japan, 1990, 63, 179-186.	3.2	87
16	Aerobic Enantioselective Epoxidation of Unfunctionalized Olefins Catalyzed by Optically Active Salenâ€“Manganese (III) Complexes. Bulletin of the Chemical Society of Japan, 1994, 67, 2248-2256.	3.2	86
17	Cobaltâ^'Carbene Complex with Single-Bond Character:Â Intermediate for the Cobalt Complex-Catalyzed Cyclopropanation. Journal of the American Chemical Society, 2002, 124, 15152-15153.	13.7	77
18	Novel Method of Tetramic Acid Synthesis: Silver-Catalyzed Carbon Dioxide Incorporation into Propargylic Amine and Intramolecular Rearrangement. Organic Letters, 2014, 16, 2430-2433.	4.6	77

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19	Catalytic atropo-Enantioselective Reduction of Biaryl Lactones to Axially Chiral Biaryl Compounds. Organic Letters, 2008, 10, 2521-2524.	4.6	76
20	Silver-catalyzed Câ€“C bond formation with carbon dioxide: significant synthesis of dihydroisobenzofurans. Chemical Communications, 2013, 49, 11320.	4.1	68
21	Optically Active Î²-Ketoiminato Cationic Cobalt(III) Complexes:â€‰Efficient Catalysts for Enantioselective Carbonyl-Ene Reaction of Glyoxal Derivatives. Organic Letters, 2001, 3, 1937-1939.	4.6	63
22	Enantioselective Aerobic Oxidation of Sulfides Catalyzed by Optically ActiveÎ²-Oxo Aldiminatomanganese(III) Complexes. Bulletin of the Chemical Society of Japan, 1995, 68, 3241-3246.	3.2	60
23	Enantioselective Borohydride Reduction ofN-Diphenylphosphinyl Imines Using Optically Active Cobalt(II) Complex Catalysts. Chemistry Letters, 1997, 26, 493-494.	1.3	60
24	Stereospecific Decarboxylative Nazarov Cyclization Mediated by Carbon Dioxide for the Preparation of Highly Substituted 2â€Cyclopentenones. Angewandte Chemie - International Edition, 2017, 56, 11594-11598.	13.8	59
25	Reductive Desymmetrization of 2-Alkyl-1,3-diketones Catalyzed by Optically Active Î²-Ketoiminato Cobalt Complexes. Organic Letters, 2001, 3, 2543-2546.	4.6	57
26	Optically ActiveN,Nâ€²-Bis(3-oxobutylidene)diaminatomanganese(III) Complexes as Novel and Efficient Catalysts for Aerobic Enantioselective Epoxidation of Simple Olefins. Bulletin of the Chemical Society of Japan, 1995, 68, 1455-1465.	3.2	54
27	Enantioselective 1,3-Dipolar Cycloaddition Reaction of Nitrones with Î±,Î²-Unsaturated Aldehydes Catalyzed by Cationic 3-Oxobutylideneaminatocobalt(III) Complexes. Bulletin of the Chemical Society of Japan, 2003, 76, 2197-2207.	3.2	54
28	Highly Enantioselective Cyclopropanation of Styrenes and Diazoacetates Catalyzed by 3-Oxobutylideneaminatocobalt(II) Complexes, Part 1. Designs of Cobalt Complex Catalysts and the Effects of Donating Ligands. Bulletin of the Chemical Society of Japan, 2001, 74, 2139-2150.	3.2	51
29	Enantioselective Borohydride 1,4-Reduction of Î±, Î²-Unsaturated Carboxamides Using Optically Active Cobalt(II) Complex Catalysts. Chemistry Letters, 1998, 27, 1129-1130.	1.3	49
30	Catalytic enantioselective protonation of cobaltâ€“enolate equivalents generated by 1,4-reduction with borohydride. Tetrahedron: Asymmetry, 2003, 14, 967-970.	1.8	48
31	Highly Active 3-Oxobutylideneaminatocobalt Complex Catalysts for an Enantioselective Hetero Dielsâ€“Alder Reaction. Bulletin of the Chemical Society of Japan, 2001, 74, 1333-1342.	3.2	46
32	Catalytic Enantioselective Borohydride Reduction ofOrtho-Fluorinated Benzophenones. Organic Letters, 2006, 8, 3025-3027.	4.6	44
33	Microwave effect on catalytic enantioselective Claisen rearrangement. Chemical Communications, 2013, 49, 8371.	4.1	44
34	Theoretical Analysis of the Reaction Pathway and the Effect of the Axial Ligand for 3-Oxobutylideneaminatocobalt(II)-Catalyzed Cyclopropanation. Organic Letters, 2002, 4, 517-520.	4.6	43
35	Enantioselective CO2Fixation Catalyzed by Optically Active Cobalt Complexes. Chemistry Letters, 2004, 33, 676-677.	1.3	43
36	Catalytic atropo-Enantioselective Preparation of Axially Chiral Biaryl Compounds. Chemistry Letters, 2009, 38, 246-247.	1.3	42

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37	trans-Acetonide Controlledendo-Selective Intramolecular Nitroneâ˜Alkene Cycloaddition of Hept-6-enoses:Â A Facile Entry to Calystegines, Tropanes, and Hydroxylated Aminocycloheptanes. Organic Letters, 2007, 9, 207-209.	4.6	41
38	Practical and Efficient Enantioselective Borohydride Reduction of Aromatic Ketones Catalyzed by Optically Active Cobalt(II) Complexes Using Pre-Modified Borohydride. Chemistry Letters, 1996, 25, 1081-1082.	1.3	40
39	Silver-catalyzed Three-component Reaction of Propargylic Amines, Carbon Dioxide, and N-Iodosuccinimide for Stereoselective Preparation of (E)-Iodovinyloxazolidinones. Chemistry Letters, 2015, 44, 1407-1409.	1.3	39
40	Access to Tetronic Acids via Silver-Catalyzed CO₂ Incorporation into Conjugated Ynones. Organic Letters, 2017, 19, 3191-3194.	4.6	39
41	Optically active Î²-ketoiminato manganese(III) complexes as efficient catalysts in enantioselective aerobic epoxidation of unfunctionalized olefins. Inorganica Chimica Acta, 1994, 220, 283-287.	2.4	38
42	Optically active Î²-ketoiminato cobalt(II) complexes as highly efficient catalysts in enantioselective borohydride reduction of ketones, imines, and Î±,Î²-unsaturated carboxylates. Inorganica Chimica Acta, 1999, 296, 86-93.	2.4	37
43	SilverCatalyzed Cascade Carboxylation and Cyclization of Trimethyl(2-methylenebut-3-yn-1-yl)silane Derivatives. Organic Letters, 2015, 17, 5706-5709.	4.6	33
44	Enantioselective Carbonyl-Ene Reaction of Glyoxal Derivatives Catalyzed by Cationic 3-Oxobutylideneaminatocobalt(III) Complexes. Bulletin of the Chemical Society of Japan, 2003, 76, 49-58.	3.2	31
45	Extraordinary Microwave Effect on atropo-Enantioselective Catalytic Reduction of Biaryl Lactones. Chemistry Letters, 2013, 42, 165-167.	1.3	31
46	Cobalt-catalyzed Reductive Carboxylation on Î±,Î²-Unsaturated Nitriles with Carbon Dioxide. Chemistry Letters, 2014, 43, 565-567.	1.3	31
47	Synthesis of Polyphenylene Ether Derivatives: Estimation of Their Dielectric Constants. Macromolecular Chemistry and Physics, 2003, 204, 1876-1881.	2.2	30
48	A DFT Study on Hetero-Dielsâ€“Alder Reactions Catalyzed by Cobalt Complexes: Lewis Acidity Enhancement as a Consequence of Spin Transition Caused by Lewis Base Coordination. Angewandte Chemie - International Edition, 2005, 44, 2524-2527.	13.8	30
49	Silver-Catalyzed Efficient Synthesis of Vinylene Carbonate Derivatives from Carbon Dioxide. Synlett, 2014, 25, 1178-1180.	1.8	30
50	Enantioselective Borohydride Reduction of Ketones Catalyzed by Optically Active Cobalt(II) Complexes: Achievement of High Enantioselection by Modified Borohydrides with Furfuryl Alcohol Derivatives. Chemistry Letters, 1996, 25, 737-738.	1.3	29
51	Optisch aktive (Î²â€Oxoaldiminato)cobalt(<scp>II</scp>)â€Komplexe als Katalysatoren in der enantioselektiven Reduktion von Ketonen mit Natriumborhydrid. Angewandte Chemie, 1995, 107, 2309-2311.	2.0	28
52	Highly Chemo-, Diastereo-, and Enantioselective Reduction of 1,2-Dialkyl-3-aryl-1,3-diketones for Preparation of Aldol-Type Compounds. Organic Letters, 2001, 3, 3421-3424.	4.6	28
53	Decarboxylative Nazarov Cyclization-Based Chirality Transfer for Asymmetric Synthesis of 2-Cyclopentenones. Organic Letters, 2019, 21, 6628-6632.	4.6	28
54	Optically Active Cationic Cobalt(III) Complexes: Highly Efficient Catalysts for Enantioselective Hetero Dielsâ€“Alder Reaction. Chemistry Letters, 2000, 29, 824-825.	1.3	27

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55	Efficient Preparation ofC2-Symmetrical Chiral Ferrocenyl Diols by Catalytic Enantioselective Reduction of Diacylferrocenes. Organic Letters, 2002, 4, 3313-3316.	4.6	27
56	Experimental and Theoretical Studies on Stereo- and Regioselectivity in Intramolecular Nitroneâ^'Alkene Cycloaddition of Hept-6-enoses Derived from Carbohydrates. Journal of Organic Chemistry, 2006, 71, 3253-3263.	3.2	27
57	Enantioselective Borodeuteride Reduction of Aldimines Catalyzed by Cobalt Complexes:â€‰ Preparation of Optically Active Deuterated Primary Amines. Organic Letters, 2003, 5, 3555-3558.	4.6	26
58	Extraordinary Effect of Microwave Irradiation on Asymmetric Catalysis. Chemistry Letters, 2010, 39, 574-575.	1.3	25
59	Cobalt-Catalyzed Reductive Carboxylation of Î±,Î²-Unsaturated Compounds with Carbon Dioxide. Bulletin of the Chemical Society of Japan, 2015, 88, 862-870.	3.2	25
60	Dynamic Kinetic Resolution with Enantioselective Borohydride Reduction Catalyzed by Optically Active Î²-Ketoiminato Cobalt(II) Complexes: Highly Diastereo- and Enantioselective Preparation of Optically Activeanti-Aldol Compounds. Chemistry Letters, 2002, 31, 24-25.	1.3	24
61	Proposal for the Metallacycle Pathway during the Cyclopropanation Catalyzed by Cobaltâ^'Schiff Base Complexes. Organic Letters, 2004, 6, 949-952.	4.6	24
62	New Class of Catalysts for Alternating Copolymerization of Alkylene Oxide and Carbon Dioxide. Chemistry Letters, 2010, 39, 1066-1068.	1.3	24
63	Kolbeâ€“Schmitt type reaction under ambient conditions mediated by an organic base. Chemical Communications, 2019, 55, 9837-9840.	4.1	24
64	Highly Enantioselective Cyclopropanation of Styrenes and Diazoacetates Catalyzed by 3-Oxobutylideneaminatocobalt(II) Complexes, Part 2. Semiempirical Analysis of Diastereo and Enantioselectivities. Bulletin of the Chemical Society of Japan, 2001, 74, 2151-2160.	3.2	23
65	Preparation of optically active deuterated primary alcohols: enantioselective borodeuteride reduction of aldehydes catalyzed by cobalt complexes. New Journal of Chemistry, 2003, 27, 1164.	2.8	22
66	Homogeneous Enantioselective Catalysis in a Continuous-Flow Microreactor: Highly Enantioselective Borohydride Reduction of Ketones Catalyzed by Optically Active Cobalt Complexes. Organic Process Research and Development, 2012, 16, 1235-1240.	2.7	22
67	Carbon Dioxide Incorporation into Alkyne Compounds Mediated by Silver Catalysts. Chemical Record, 2014, 14, 62-69.	5.8	21
68	Effects of Ligands and Additive Alcohols on Enantioselection in Highly Efficient Asymmetric Borohydride Reduction of Ketones Catalyzed by Optically Active Aldiminato Cobalt(II) Complexes. Synlett, 1996, 1996, 1076-1078.	1.8	19
69	Highly enantioselective borohydride reductions of 2-phenacylpyridine catalyzed by optically active Î²-ketoiminato cobalt(II) complexes. Tetrahedron: Asymmetry, 2000, 11, 3671-3674.	1.8	19
70	The Reactive Intermediate of Catalytic Borohydride Reduction by Schiffâ€…Baseâ€“Cobalt Complexes. Chemistry - an Asian Journal, 2006, 1, 656-663.	3.3	19
71	Chloroform IsNotSolvent but Activator for Cobalt Complex Catalyst of Enantioselective Borohydride Reduction. Chemistry Letters, 2007, 36, 26-27.	1.3	19
72	Synthesis of Oxazolidin-2-ones by Tandem Cyclization of Propargylic Alcohols and Phenyl Isocyanate Promoted by Silver Catalysts as Ï€-Lewis Acids. Synlett, 2015, 26, 2447-2450.	1.8	18

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73	Thermal Decarboxylative Nazarov Cyclization of Cyclic Enol Carbonates Involving Chirality Transfer. Chemistry Letters, 2020, 49, 60-63.	1.3	18
74	Optically Active Aldiminato Cobalt(II) Complex Catalyst for Enantioselective Hetero Diels-Alder Reaction. Heterocycles, 2000, 52, 1041.	0.7	17
75	Microwave Specific Effect on Catalytic Enantioselective Conia-Ene Reaction. Chemistry Letters, 2016, 45, 649-651.	1.3	16
76	New and efficient catalysts for enantioselective borohydride reduction of ketones and imines. Catalysis Surveys From Asia, 1998, 2, 47-57.	1.2	15
77	Manganese and cobalt 3-oxobutylideneaminato complexes: Design and application for enantioselective reactions. Science and Technology of Advanced Materials, 2006, 7, 184-196.	6.1	15
78	Enantioselective Borohydride Reduction of Aliphatic Ketones Catalyzed by Ketoiminatocobalt(III) Complex with 1-Chlorovinyl Axial Ligand. Chemistry Letters, 2012, 41, 780-782.	1.3	14
79	Silver-catalyzed Three-component Reaction of Propargylic Amines, Carbon Dioxide, and N-Bromosuccinimide for Stereoselective Preparation of (E)-Bromovinyloxazolidinones. Chemistry Letters, 2017, 46, 1323-1326.	1.3	14
80	Stereoâ€•and Regioselectivity in an Intramolecular Nitroneâ€“Alkene Cycloaddition of Heptâ€6â€enoses with a transâ€Acetonide Blocking Group. Chemistry - A European Journal, 2009, 15, 2693-2707.	3.3	13
81	Stereoselective amination via vinyl-silver intermediates derived from silver-catalyzed carboxylative cyclization of propargylamine. Chemical Communications, 2020, 56, 9517-9520.	4.1	13
82	Decarboxylation-triggered homo-Nazarov cyclization of cyclic enol carbonates catalyzed by rhenium complex. Chemical Communications, 2021, 57, 6133-6136.	4.1	12
83	Microwave Enhancement on Ring-closing Metathesis of Macrocyclic Bisazole. Chemistry Letters, 2017, 46, 274-276.	1.3	11
84	Stereospecific Decarboxylative Nazarov Cyclization Mediated by Carbon Dioxide for the Preparation of Highly Substituted 2â€Cyclopentenones. Angewandte Chemie, 2017, 129, 11752-11756.	2.0	11
85	Newly Designed Catalysts for the Enantioselective Borohydride Reduction: Prediction from the Theoretical Analysis. Chemistry Letters, 2007, 36, 738-739.	1.3	9
86	Enantioselective Michael Addition Catalyzed by an Optically Active 1-Chlorovinyl Cobalt(III) Complex. Synlett, 2015, 26, 1111-1115.	1.8	9
87	Reusable Cobalt(III) Complex Catalysts for Enantioselective Borohydride Reduction of Ketones. Bulletin of the Chemical Society of Japan, 2013, 86, 983-986.	3.2	7
88	Silver-Catalyzed Carbon Dioxide Fixation on Alkynylindoles. Organic Letters, 2022, 24, 4831-4834.	4.6	7
89	Structure Determination of the Cobalt(III) Complex Catalyst for Enantioselective Borohydride Reduction. Chemistry Letters, 2012, 41, 783-785.	1.3	6
90	Microwave-specific Effect on Enantioselective Reactions. Journal of the Japan Petroleum Institute, 2018, 61, 121-128.	0.6	6

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91	Enantioselective Borohydride Reduction Catalyzed by Optically Active .BETA.-Ketoiminato Cobalt Complexes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2003, 61, 843-856.	0.1	5
92	Lewis Acidâ€Mediated Decarboxylative Allylation of Enol Carbonates. Helvetica Chimica Acta, 2021, 104, e2100065.	1.6	5
93	Ligand Design for Oxidation. , 0, , 33-58.		4
94	Amidation Reaction of Carboxylic Acid with Formamide Derivative Using SO₃Â·pyridine. Chemistry Letters, 2018, 47, 584-586.	1.3	4
95	Lewis Acid-catalyzed Decarboxylative Cyanation of Cyclic Enol Carbonates â€" Access to Multi-substituted Î²-Ketonitriles â€". Chemistry Letters, 2022, 51, 469-472.	1.3	4
96	Silver-Catalyzed Carbon Dioxide Fixation on Alkynylindenes. Organic Letters, 2020, 22, 8648-8651.	4.6	3
97	Development of Optically Active Cobalt Complex Catalysts for Enantioselective Synthetic Reactions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2010, 68, 966-972.	0.1	2
98	Catalytic Enantioselective Protonation of Cobaltâ€"Enolate Equivalents Generated by 1,4-Reduction with Borohydride.. ChemInform, 2003, 34, no.	0.0	0
99	[N,Nâ€²-Bis(2-methoxycarbonyl-3-oxobutylidene)ethylenediaminato-Îº4O,N,Nâ€²,Oâ€²]cobalt(II). Acta Crystallographica Section E: Structure Reports Online, 2004, 60, m149-m150.	0.2	0
100	Enantioselective Borohydride Reduction Catalyzed by Optically Active Cobalt Complexes.. ChemInform, 2004, 35, no.	0.0	0
101	Microwave Specific Effect on Catalytic Enantioselective Reactions. , 2018, , .		0
102	Microwave-specific Enhancement of Nazarov Cyclization. Chemistry Letters, 2021, 50, 144-146.	1.3	0