Tatsuhiko Yoshino

List of Publications by Citations

75 papers	5,022 citations	34 h-index	70 g-index
96 ext. papers	5,842 ext. citations	8.6 avg, IF	6.42 L-index

#	Paper	IF	Citations
75	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
74	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
73	(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
72	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
71	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
70	Dehydrative Direct C-H Allylation with Allylic Alcohols under [Cp*Co(III)] Catalysis. *Angewandte Chemie - International Edition*, **2015**, 54, 9944-7	16.4	242
69	Carbon dioxide utilization via carbonate-promoted C-H carboxylation. *Nature*, **2016**, 531, 215-9	50.4	233
68	Cp*Co(III)-catalyzed C2-selective addition of indoles to imines. *Chemistry - A European Journal*, **2013**, 19, 9142-6	4.8	163
67	Stereodivergent direct catalytic asymmetric Mannich-type reactions of □-isothiocyanato ester with ketimines. *Angewandte Chemie - International Edition*, **2011**, 50, 4382-5	16.4	143
66	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
65	Lewis acid catalyzed benzylic C-H bond functionalization of azaarenes: addition to enones. *Organic Letters*, **2011**, 13, 1706-9	6.2	132
64	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
63	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
62	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
61	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
60	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
59	Cp*Co(III)-catalyzed oxidative C□H alkenylation of benzamides with ethyl acrylate. *Tetrahedron*, **2015**, 71, 4552-4556	2.4	91

58	Pentamethylcyclopentadienyl rhodium(III) chiral disulfonate hybrid catalysis for enantioselective C H bond functionalization. *Nature Catalysis*, **2018**, 1, 585-591	36.5	88
57	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. *Angewandte Chemie - International Edition*, **2018**, 57, 12048-12052	16.4	88
56	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
55	Catalytic asymmetric synthesis of spirooxindoles by a mannich-type reaction of isothiocyanato oxindoles. *Angewandte Chemie - International Edition*, **2012**, 51, 7007-10	16.4	87
54	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
53	Sultam synthesis via Cu-catalyzed intermolecular carboamination of alkenes with N-fluorobenzenesulfonimide. *Organic Letters*, **2013**, 15, 2502-5	6.2	79
52	Dehydrative Direct C?H Allylation with Allylic Alcohols under [Cp*CoIII] Catalysis. *Angewandte Chemie*, **2015**, 127, 10082-10085	3.6	76
51	Site- and Regioselective Monoalkenylation of Pyrroles with Alkynes via Cp*Co Catalysis. *Organic Letters*, **2016**, 18, 5732-5735	6.2	71
50	Stereodivergent Direct Catalytic Asymmetric Mannich-Type Reactions of isothiocyanato Ester with Ketimines. *Angewandte Chemie*, **2011**, 123, 4474-4477	3.6	63
49	Cobalt-Catalyzed C(sp3) H Functionalization Reactions. *Asian Journal of Organic Chemistry*, **2018**, 7, 1193-1205	3	61
48	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
47	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
46	Cp*Co-catalyzed directed C-H trifluoromethylthiolation of 2-phenylpyridines and 6-arylpurines. *Chemical Communications*, **2017**, 53, 5974-5977	5.8	48
45	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C H Functionalization. *Angewandte Chemie*, **2018**, 130, 12224-12228	3.6	47
44	Chiral 2-Aryl Ferrocene Carboxylic Acids for the Catalytic Asymmetric C(sp3) H Activation of Thioamides. *Organometallics*, **2019**, 38, 3921-3926	3.8	47
43	Cobalt-Catalyzed Allylic Alkylation Enabled by Organophotoredox Catalysis. *Angewandte Chemie - International Edition*, **2019**, 58, 9199-9203	16.4	44
42	Lewis base assisted Br sted base catalysis: bidentate phosphine oxides as activators and modulators of Br sted basic lanthanum-aryloxides. *Angewandte Chemie - International Edition*, **2008**, 47, 9125-9	16.4	44
41	Weinreb Amide Directed Versatile C-H Bond Functionalization under (-Pentamethylcyclopentadienyl)cobalt(III) Catalysis. *Chemistry - A European Journal*, **2018**, 24, 10231	4.8	34

40	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
39	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
38	High-Valent Cobalt-Catalyzed CH Bond Functionalization. *Advances in Organometallic Chemistry*, **2017**, 68, 197-247	3.8	30
37	Cp*CoIII-Catalyzed C–H Functionalization and Asymmetric Reactions Using External Chiral Sources. *Synlett*, **2019**, 30, 1384-1400	2.2	29
36	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
35	Catalytic Asymmetric Synthesis of Spirooxindoles by a Mannich-Type Reaction of Isothiocyanato Oxindoles. *Angewandte Chemie*, **2012**, 124, 7113-7116	3.6	27
34	Lewis Acid Catalyzed Benzylic C-H Bond Functionalization of Azaarenes; Addition to Imines and Enones. *Synthesis*, **2012**, 44, 2185-2194	2.9	27
33	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
32	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
31	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
30	Rhodium(III)/Chiral Carboxylic Acid Catalyzed Enantioselective C(sp)-H Alkylation of 8-Ethylquinolines with α,β-Unsaturated Carbonyl Compounds. *Organic Letters*, **2020**, 22, 8256-8260	6.2	23
29	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
28	Chiral paddle-wheel diruthenium complexes for asymmetric catalysis. *Nature Catalysis*, **2020**, 3, 851-858	36.5	18
27	Silane- and peroxide-free hydrogen atom transfer hydrogenation using ascorbic acid and cobalt-photoredox dual catalysis. *Nature Communications*, **2021**, 12, 966	17.4	17
26	Synthesis of 1,1'-Spirobiindane-7,7'-Disulfonic Acid and Disulfonimide: Application for Catalytic Asymmetric Aminalization. *Chemistry - an Asian Journal*, **2018**, 13, 2378-2381	4.5	16
25	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
24	C-H Trifluoroalkylation of Quinolines via Visible-Light-Induced Sequential Radical Additions. *Organic Letters*, **2019**, 21, 3600-3605	6.2	14
23	Imidate as the Intact Directing Group for the Cobalt-Catalyzed C-H Allylation. *Journal of Organic Chemistry*, **2019**, 84, 13203-13210	4.2	13

22	Metal-Containing Schiff Base/Sulfoxide Ligands for Pd(II)-Catalyzed Asymmetric Allylic C–H Aminations. *ACS Catalysis*, **2021**, 11, 2663-2668	13.1	12
21	Palladium-Catalyzed Germylation of Aryl Bromides and Aryl Triflates Using Hexamethyldigermane. *Synthesis*, **2018**, 50, 2067-2075	2.9	10
20	One-Step Synthesis of 4H-3,1-Benzoxazin-4-ones from Weinreb Amides and 1,4,2-Dioxazol-5-ones via Cobalt-Catalyzed C–H Bond Activation. *Heterocycles*, **2019**, 99, 118	0.8	10
19	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
18	Allyl 4-Chlorophenyl Sulfone as a Versatile 1,1-Synthon for Sequential □Alkylation/Cobalt-Catalyzed Allylic Substitution. *Synthesis*, **2020**, 52, 1934-1946	2.9	9
17	Synthesis of Functionalized Monoaryl-□iodanes through Chemo- and Site-Selective ipso-Substitution Reactions. *Chemistry - A European Journal*, **2019**, 25, 1217-1220	4.8	9
16	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
15	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
14	Cobalt-catalyzed Synthesis of Homoallylic Amines from Imines and Terminal Alkenes. *Chemistry Letters*, **2019**, 48, 1046-1049	1.7	6
13	Ru(II)/chiral carboxylic acid-catalyzed enantioselective C–H functionalization of sulfoximines. *Synthesis*,	2.9	6
12	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
11	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
10	Cobalt-Catalyzed Allylic Alkylation Enabled by Organophotoredox Catalysis. *Angewandte Chemie*, **2019**, 131, 9297-9301	3.6	5
9	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
8	Cp*RhIII/Chiral Disulfonate/CuOAc Catalyst System for the Enantioselective Intramolecular Oxyamination of Alkenes. *ACS Catalysis*, **2021**, 11, 15187-15193	13.1	3
7	Frontispiece: Diverse Approaches for Enantioselective C–H Functionalization Reactions Using Group 9 CpxMIII Catalysts. *Chemistry - A European Journal*, **2020**, 26,	4.8	2
6	Regioselective Deaminative Allylation of Aliphatic Amines via Dual Cobalt and Organophotoredox Catalysis.. *Organic Letters*, **2022**,	6.2	2
5	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

4	Catalytic Enantioselective Desymmetrization of meso-Aziridines with Fluoromalonates. *Heterocycles*, **2017**, 94, 1337	0.8	1
3	Transition-metal-free nucleophilic At-astatination of spirocyclic aryliodonium ylides. *Organic and Biomolecular Chemistry*, **2021**, 19, 5525-5528	3.9	1
2	Generation of Monoaryl-λ3-iodanes from Arylboron Compounds through ipso-Substitution. *Heterocycles*, **2021**, 103, 670	0.8	1
1	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	