

Tatsuhiko Yoshino

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Regioselective Deaminative Allylation of Aliphatic Amines via Dual Cobalt and Organophotoredox Catalysis.. <i>Organic Letters</i> , 2022 ,	6.2	2
74	Achiral Cp*Rh(III)/Chiral Lewis Base Cooperative Catalysis for Enantioselective Cyclization via C-H Activation.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	6
73	Cobalt(III)/Chiral Carboxylic Acid-Catalyzed Enantioselective Synthesis of Benzothiadiazine-1-oxides via C-H Activation.. <i>Angewandte Chemie - International Edition</i> , 2022 , e202205341	16.4	6
72	Cp*Rh(III)/Chiral Disulfonate/CuOAc Catalyst System for the Enantioselective Intramolecular Oxyamination of Alkenes. <i>ACS Catalysis</i> , 2021 , 11, 15187-15193	13.1	3
71	Cp*Ir(III)/chiral carboxylic acid-catalyzed enantioselective C β alkylation of ferrocene carboxamides with diazomalonates. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 6923-6930	5.2	4
70	Development of Pseudo-C ₂ -symmetric Chiral Binaphthyl Monocarboxylic Acids for Enantioselective C(sp ³)C β Functionalization Reactions under Rh(III) Catalysis. <i>ACS Catalysis</i> , 2021 , 11, 4271-4277	13.1	15
69	Chiral Carboxylic Acid Assisted Enantioselective C β Activation with Achiral CpxM(III) (M = Co, Rh, Ir) Catalysts. <i>ACS Catalysis</i> , 2021 , 11, 6455-6466	13.1	31
68	Chemoselective Cleavage of Si-C(sp) Bonds in Unactivated Tetraalkylsilanes Using Iodine Tris(trifluoroacetate). <i>Journal of the American Chemical Society</i> , 2021 , 143, 103-108	16.4	9
67	Transition-metal-free nucleophilic At-astatination of spirocyclic arylodonium ylides. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 5525-5528	3.9	1
66	Silane- and peroxide-free hydrogen atom transfer hydrogenation using ascorbic acid and cobalt-photoredox dual catalysis. <i>Nature Communications</i> , 2021 , 12, 966	17.4	17
65	Metal-Containing Schiff Base/Sulfoxide Ligands for Pd(II)-Catalyzed Asymmetric Allylic C β Aminations. <i>ACS Catalysis</i> , 2021 , 11, 2663-2668	13.1	12
64	Generation of Monoaryl- β -iodanes from Arylboron Compounds through ipso-Substitution. <i>Heterocycles</i> , 2021 , 103, 670	0.8	1
63	Iridium(III) Catalysts with an Amide-Pendant Cyclopentadienyl Ligand: Double Aromatic Homologation Reactions of Benzamides by Fourfold C β Activation. <i>Angewandte Chemie</i> , 2020 , 132, 10560-10564	3.6	1
62	Allyl 4-Chlorophenyl Sulfone as a Versatile 1,1-Synthon for Sequential C β Alkylation/Cobalt-Catalyzed Allylic Substitution. <i>Synthesis</i> , 2020 , 52, 1934-1946	2.9	9
61	Frontispiece: Diverse Approaches for Enantioselective C β Functionalization Reactions Using Group 9 CpxM(III) Catalysts. <i>Chemistry - A European Journal</i> , 2020 , 26,	4.8	2
60	Iridium(III) Catalysts with an Amide-Pendant Cyclopentadienyl Ligand: Double Aromatic Homologation Reactions of Benzamides by Fourfold C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10474-10478	16.4	8
59	Diverse Approaches for Enantioselective C-H Functionalization Reactions Using Group 9 Cp M Catalysts. <i>Chemistry - A European Journal</i> , 2020 , 26, 7346-7357	4.8	91

58	Cp*CoIII/Chiral Carboxylic Acid-Catalyzed Enantioselective 1,4-Addition Reactions of Indoles to Maleimides. <i>Asian Journal of Organic Chemistry</i> , 2020 , 9, 368-371	3	32
57	Rhodium(III)/Chiral Carboxylic Acid Catalyzed Enantioselective C(sp)-H Alkylation of 8-Ethylquinolines with β -Unsaturated Carbonyl Compounds. <i>Organic Letters</i> , 2020 , 22, 8256-8260	6.2	23
56	Chiral paddle-wheel diruthenium complexes for asymmetric catalysis. <i>Nature Catalysis</i> , 2020 , 3, 851-858	36.5	18
55	Imidate as the Intact Directing Group for the Cobalt-Catalyzed C-H Allylation. <i>Journal of Organic Chemistry</i> , 2019 , 84, 13203-13210	4.2	13
54	Cobalt-Catalyzed Allylic Alkylation Enabled by Organophotoredox Catalysis. <i>Angewandte Chemie</i> , 2019 , 131, 9297-9301	3.6	5
53	Cp*CoIII-Catalyzed C β Functionalization and Asymmetric Reactions Using External Chiral Sources. <i>Synlett</i> , 2019 , 30, 1384-1400	2.2	29
52	Synthesis of Heteroaryl Iodanes(III) via ipso-Substitution Reactions Using Iodine Triacetate Assisted by HFIP. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 1107-1110	3	9
51	Cobalt-Catalyzed Allylic Alkylation Enabled by Organophotoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9199-9203	16.4	44
50	C-H β -trifluoroalkylation of Quinolines via Visible-Light-Induced Sequential Radical Additions. <i>Organic Letters</i> , 2019 , 21, 3600-3605	6.2	14
49	Chiral 2-Aryl Ferrocene Carboxylic Acids for the Catalytic Asymmetric C(sp ³) β Activation of Thioamides. <i>Organometallics</i> , 2019 , 38, 3921-3926	3.8	47
48	Cobalt-catalyzed Synthesis of Homoallylic Amines from Imines and Terminal Alkenes. <i>Chemistry Letters</i> , 2019 , 48, 1046-1049	1.7	6
47	Catalytic Enantioselective Methylene C(sp ³)-H Amidation of 8-Alkylquinolines Using a Cp*Rh/Chiral Carboxylic Acid System. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18154-18158	16.4	61
46	Catalytic Enantioselective Methylene C(sp ³) β Amidation of 8-Alkylquinolines Using a Cp*RhIII/Chiral Carboxylic Acid System. <i>Angewandte Chemie</i> , 2019 , 131, 18322-18326	3.6	25
45	One-Step Synthesis of 4H-3,1-Benzoxazin-4-ones from Weinreb Amides and 1,4,2-Dioxazol-5-ones via Cobalt-Catalyzed C β Bond Activation. <i>Heterocycles</i> , 2019 , 99, 118	0.8	10
44	Unique Reactivity of High-valent Cobalt Catalysis in C-H Functionalization and Development of Catalytic Asymmetric C-H Functionalization Reactions. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2019 , 77, 330-340	0.2	
43	Enantioselective C(sp ³) β Amidation of Thioamides Catalyzed by a CobaltIII/Chiral Carboxylic Acid Hybrid System. <i>Angewandte Chemie</i> , 2019 , 131, 1165-1169	3.6	49
42	Enantioselective C(sp ³)-H Amidation of Thioamides Catalyzed by a Cobalt/Chiral Carboxylic Acid Hybrid System. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1153-1157	16.4	132
41	Synthesis of Functionalized Monoaryl-Iodanes through Chemo- and Site-Selective ipso-Substitution Reactions. <i>Chemistry - A European Journal</i> , 2019 , 25, 1217-1220	4.8	9

40	Synthesis of 1,10-Spirobiindane-7,7'-Disulfonic Acid and Disulfonimide: Application for Catalytic Asymmetric Amination. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 2378-2381	4.5	16
39	Palladium-Catalyzed Gernylation of Aryl Bromides and Aryl Triflates Using Hexamethyldigermane. <i>Synthesis</i> , 2018 , 50, 2067-2075	2.9	10
38	Synthesis of Fluorine-Containing 6-Arylpurine Derivatives via Cp*Co(III)-Catalyzed C-H Bond Activation. <i>Chemical and Pharmaceutical Bulletin</i> , 2018 , 66, 51-54	1.9	23
37	Pentamethylcyclopentadienyl rhodium(III)-chiral disulfonate hybrid catalysis for enantioselective C-H bond functionalization. <i>Nature Catalysis</i> , 2018 , 1, 585-591	36.5	88
36	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12048-12052	16.4	88
35	Cobalt-Catalyzed C(sp ³)-H Functionalization Reactions. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1193-1205	61	
34	Weinreb Amide Directed Versatile C-H Bond Functionalization under (Pentamethylcyclopentadienyl)cobalt(III) Catalysis. <i>Chemistry - A European Journal</i> , 2018 , 24, 10231	4.8	34
33	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. <i>Angewandte Chemie</i> , 2018 , 130, 12224-12228	3.6	47
32	Stereoselective Synthesis of Tetrasubstituted Alkenes via a Cp*Co -Catalyzed C-H Alkenylation/Directing Group Migration Sequence. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7156-7160	16.4	82
31	Cp*Co-catalyzed directed C-H trifluoromethylthiolation of 2-phenylpyridines and 6-arylpurines. <i>Chemical Communications</i> , 2017 , 53, 5974-5977	5.8	48
30	Stereoselective Synthesis of Tetrasubstituted Alkenes via a Cp*Co(III)-Catalyzed C-H Alkenylation/Directing Group Migration Sequence. <i>Angewandte Chemie</i> , 2017 , 129, 7262-7266	3.6	23
29	(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	5.6	327
28	Cp*Co-Catalyzed C-H Alkenylation/Annulation Reactions of Indoles with Alkynes: A DFT Study. <i>Journal of Organic Chemistry</i> , 2017 , 82, 7379-7387	4.2	28
27	High-Valent Cobalt-Catalyzed C-H Bond Functionalization. <i>Advances in Organometallic Chemistry</i> , 2017 , 68, 197-247	3.8	30
26	Catalytic Enantioselective Desymmetrization of meso-Aziridines with Fluoromalonates. <i>Heterocycles</i> , 2017 , 94, 1337	0.8	1
25	Site- and Regioselective Monoalkenylation of Pyrroles with Alkynes via Cp*Co Catalysis. <i>Organic Letters</i> , 2016 , 18, 5732-5735	6.2	71
24	Carbon dioxide utilization via carbonate-promoted C-H carboxylation. <i>Nature</i> , 2016 , 531, 215-9	50.4	233
23	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, 2216-9	6.2	105

22	Dehydrative Direct C-H Alkylation with Allylic Alcohols under [Cp*Co(III)] Catalysis. <i>Angewandte Chemie</i> , 2015 , 127, 10082-10085	3.6	76
21	Cp*Co(III) Catalyzed Site-Selective C-H Activation of Unsymmetrical O-Acyl Oximes: Synthesis of Multisubstituted Isoquinolines from Terminal and Internal Alkynes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12968-72	16.4	254
20	Cp*Co(III) Catalyzed Site-Selective C-H Activation of Unsymmetrical O-Acyl Oximes: Synthesis of Multisubstituted Isoquinolines from Terminal and Internal Alkynes. <i>Angewandte Chemie</i> , 2015 , 127, 13160-13164	3.6	87
19	Dehydrative Direct C-H Alkylation with Allylic Alcohols under [Cp*Co(III)] Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9944-7	16.4	242
18	A Cp*Co(II)-dimer as a precursor for cationic Co(III)-catalysis: application to C-H phosphoramidation of indoles. <i>Chemical Communications</i> , 2015 , 51, 4659-61	5.8	113
17	Cp*Co(III)-catalyzed oxidative C-H alkenylation of benzamides with ethyl acrylate. <i>Tetrahedron</i> , 2015 , 71, 4552-4556	2.4	91
16	Air-Stable Carbonyl(pentamethylcyclopentadienyl)cobalt Diodide Complex as a Precursor for Cationic (Pentamethylcyclopentadienyl)cobalt(III) Catalysis: Application for Directed C-2 Selective C-H Amidation of Indoles. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 1491-1495	5.6	267
15	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, 5424-31	16.4	408
14	Sultam synthesis via Cu-catalyzed intermolecular carboamination of alkenes with N-fluorobenzenesulfonimide. <i>Organic Letters</i> , 2013 , 15, 2502-5	6.2	79
13	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, 2207-11	16.4	369
12	Cp*Co(III)-catalyzed C2-selective addition of indoles to imines. <i>Chemistry - A European Journal</i> , 2013 , 19, 9142-6	4.8	163
11	A Cationic High-Valent Cp*Co(III) Complex for the Catalytic Generation of Nucleophilic Organometallic Species: Directed C-H Bond Activation. <i>Angewandte Chemie</i> , 2013 , 125, 2263-2267	3.6	139
10	Catalytic Asymmetric Synthesis of Spirooxindoles by a Mannich-Type Reaction of Isothiocyanato Oxindoles. <i>Angewandte Chemie</i> , 2012 , 124, 7113-7116	3.6	27
9	Catalytic asymmetric synthesis of spirooxindoles by a mannich-type reaction of isothiocyanato oxindoles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7007-10	16.4	87
8	Lewis Acid Catalyzed Benzylic C-H Bond Functionalization of Azaarenes; Addition to Imines and Enones. <i>Synthesis</i> , 2012 , 44, 2185-2194	2.9	27
7	Lewis acid catalyzed benzylic C-H bond functionalization of azaarenes: addition to enones. <i>Organic Letters</i> , 2011 , 13, 1706-9	6.2	132
6	Construction of contiguous tetrasubstituted chiral carbon stereocenters via direct catalytic asymmetric aldol and Mannich-type reactions. <i>Chemical Record</i> , 2011 , 11, 260-8	6.6	19
5	Stereodivergent Direct Catalytic Asymmetric Mannich-Type Reactions of Isothiocyanato Ester with Ketimines. <i>Angewandte Chemie</i> , 2011 , 123, 4474-4477	3.6	63

4	Stereodivergent direct catalytic asymmetric Mannich-type reactions of α -isothiocyanato ester with ketimines. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4382-5	16.4	143
3	Construction of contiguous tetrasubstituted chiral carbon stereocenters via direct catalytic asymmetric aldol reaction of α -isothiocyanato esters with ketones. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17082-3	16.4	123
2	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, 9125-9	16.4	44
1	Ru(II)/chiral carboxylic acid-catalyzed enantioselective C-H functionalization of sulfoximines. <i>Synthesis</i> ,	2.9	6