

# Takahiro Nishimura

## List of Publications by Citations

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125  
papers

6,592  
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51  
h-index

77  
g-index

205  
ext. papers

7,264  
ext. citations

7.5  
avg, IF

6.13  
L-index

#	Paper	IF	Citations
125	Palladium(II)-Catalyzed Oxidation of Alcohols to Aldehydes and Ketones by Molecular Oxygen. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 6750-6755	4.2	389
124	Asymmetric synthesis of (triaryl)methylamines by rhodium-catalyzed addition of arylboroxines to cyclic N-sulfonyl ketimines. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 5056-9	16.4	188
123	Palladium-catalyzed asymmetric arylation, vinylation, and allenylation of tert-cyclobutanols via enantioselective C-C bond cleavage. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 8862-9	16.4	184
122	Palladium(II)-Catalyzed Oxidative Ring Cleavage of tert-Cyclobutanols under Oxygen Atmosphere. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 2645-2646	16.4	168
121	Sodium tetraarylborates as effective nucleophiles in rhodium/diene-catalyzed 1,4-addition to beta,beta-disubstituted alpha,beta-unsaturated ketones: catalytic asymmetric construction of quaternary carbon stereocenters. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 13588-9	16.4	157
120	Oxovanadium complex-catalyzed aerobic oxidation of propargylic alcohols. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 6718-24	4.2	153
119	Palladium-Catalyzed Arylation of tert-Cyclobutanols with Aryl Bromide via C-C Bond Cleavage: New Approach for the Arylated Ketones. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 11010-11011	16.4	138
118	The concise synthesis of chiral tfb ligands and their application to the rhodium-catalyzed asymmetric arylation of aldehydes. <i>Chemical Communications</i> , <b>2009</b> , 5713-5	5.8	134
117	Palladium-catalyzed oxidative alkynylation of alkenes via C-C bond cleavage under oxygen atmosphere. <i>Organic Letters</i> , <b>2003</b> , 5, 2997-9	6.2	125
116	Rhodium-catalyzed asymmetric rearrangement of alkynyl alkenyl carbinols: synthetic equivalent to asymmetric conjugate alkynylation of enones. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 14158-9	16.4	124
115	Vanadium-catalyzed sulfenylation of indoles and 2-naphthols with thiols under molecular oxygen. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 7688-93	4.2	122
114	Steric tuning of silylacetylenes and chiral phosphine ligands for rhodium-catalyzed asymmetric conjugate alkynylation of enones. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 1576-7	16.4	121
113	Iridium/chiral diene-catalyzed asymmetric 1,6-addition of arylboroxines to alpha,beta,gamma,delta-unsaturated carbonyl compounds. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 7872-3	16.4	115
112	Palladium(II)-supported hydrotalcite as a catalyst for selective oxidation of alcohols using molecular oxygen. <i>Chemical Communications</i> , <b>2000</b> , 1245-1246	5.8	110
111	Iridium-catalyzed ring cleavage reaction of cyclobutanone O-benzoyloximes providing nitriles. <i>Organic Letters</i> , <b>2005</b> , 7, 2425-7	6.2	108
110	Hydroxorhodium/chiral diene complexes as effective catalysts for the asymmetric arylation of 3-aryl-3-hydroxyisoindolin-1-ones. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1777-80	16.4	106
109	Rhodium-catalyzed enantioselective 1,6-addition of arylboronic acids to enynamides: asymmetric synthesis of axially chiral allenylsilanes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12865-7	16.4	106

108	Iridium-Catalyzed Branch-Selective Hydroarylation of Vinyl Ethers via C-H Bond Activation. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5899-902	16.4	100
107	Copper-Catalyzed Oxidation of Amines with Molecular Oxygen. <i>Bulletin of the Chemical Society of Japan</i> , <b>2003</b> , 76, 2399-2403	5.1	100
106	Rhodium-catalyzed asymmetric hydroarylation of diphenylphosphinylallenes with arylboronic acids. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 2556-7	16.4	98
105	Iridium-catalyzed [3 + 2] annulation of cyclic N-sulfonyl ketimines with 1,3-dienes via C-H activation. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2092-5	16.4	94
104	Palladium(II)-catalyzed oxidation of terminal alkenes to methyl ketones using molecular oxygen. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2000</b> , 1915-1918		93
103	Asymmetric Alkylation of N-Sulfonylbenzamides with Vinyl Ethers via C-H Bond Activation Catalyzed by Hydroxoiridium/Chiral Diene Complexes. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4010-3	16.4	91
102	Enantioselective [3 + 2] annulation via C-H activation between cyclic N-acyl ketimines and 1,3-dienes catalyzed by iridium/chiral diene complexes. <i>Chemical Science</i> , <b>2013</b> , 4, 4499	9.4	88
101	Chiral tetrafluorobenzobarrelenes as effective ligands for rhodium-catalyzed asymmetric 1,4-addition of arylboroxines to beta,beta-disubstituted alpha,beta-unsaturated ketones. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3969-71	16.4	85
100	Asymmetric synthesis of beta-alkynyl aldehydes by rhodium-catalyzed conjugate alkynylation. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 8057-9	16.4	84
99	Asymmetric cyclopropanation of alkenes with dimethyl diazomalonate catalyzed by chiral diene-rhodium complexes. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 7324-7	16.4	83
98	Asymmetric addition of dimethylzinc to N-tosylarylimines catalyzed by a rhodium-diene complex toward the synthesis of chiral 1-arylethylamines. <i>Organic Letters</i> , <b>2006</b> , 8, 979-81	6.2	83
97	Palladium-catalyzed transformation of cyclobutanone O-benzoyloximes to nitriles via C-C bond cleavage. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 5342-7	4.2	78
96	Palladium-catalysed asymmetric arylation of tert-cyclobutanols via enantioselective C-C bond cleavage. <i>Chemical Communications</i> , <b>2002</b> , 50-1	5.8	77
95	Chiral tetrafluorobenzobarrelene ligands for the rhodium-catalyzed asymmetric cycloisomerization of oxygen- and nitrogen-bridged 1,6-enynes. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 1638-41	16.4	76
94	Cobalt-catalyzed asymmetric 1,6-addition of (triisopropylsilyl)-acetylene to alpha,beta-unsaturated carbonyl compounds. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 18936-9	16.4	74
93	Rhodium/diene-catalyzed tandem 1,4-shift/1,4-addition of (E)-1,2-diphenylethenylboronic acid to enones: density functional theory modeling and asymmetric catalysis. <i>Chemical Science</i> , <b>2012</b> , 3, 1278	9.4	74
92	Rhodium-catalyzed asymmetric addition of arylboronic acids to beta-phthaliminoacrylate esters toward the synthesis of beta-amino acids. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 464-5	16.4	74
91	Rhodium-catalyzed asymmetric ring-opening alkynylation of azabenzonorbornadienes. <i>Organic Letters</i> , <b>2008</b> , 10, 4057-60	6.2	74

90	Iridium-Catalyzed Regio- and Enantioselective Hydroarylation of Alkenyl Ethers by Olefin Isomerization. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5607-5611	16.4	73
89	Asymmetric Transformations under Iridium/Chiral Diene Catalysis. <i>ACS Catalysis</i> , <b>2017</b> , 7, 833-847	13.1	69
88	Highly selective 1,6-addition of aryl boronic acids to alpha,beta,gamma,delta-unsaturated carbonyl compounds catalyzed by an iridium complex. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 5164-6	16.4	69
87	Palladium(II)-catalysed oxidation of alcohols under an oxygen atmosphere in a fluorous biphasic system (FBS). <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2000</b> , 4301-4305		69
86	Rhodium-catalyzed rearrangement of aryl bis(alkynyl) carbinols to 3-alkynyl-1-indanones. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 1447-9	16.4	68
85	Rhodium-catalyzed asymmetric hydroalkoxylation and hydrosulfenylation of diphenylphosphinylallenes. <i>Chemical Communications</i> , <b>2009</b> , 3528-30	5.8	67
84	Effect of chiral diene ligands in rhodium-catalyzed asymmetric addition of arylboronic acids to $\alpha,\beta$ -unsaturated sulfonyl compounds. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9086-9	16.4	65
83	Chiral diene-phosphine tridentate ligands for rhodium-catalyzed asymmetric cycloisomerization of 1,6-enynes. <i>Organic Letters</i> , <b>2011</b> , 13, 3674-7	6.2	65
82	Asymmetric Polymerization of Achiral Arylacetylenes Giving Helical Polyacetylenes in the Presence of a Rhodium Catalyst with a C <sub>2</sub> -Symmetric Tetrafluorobenzobarrelene Ligand. <i>Organometallics</i> , <b>2009</b> , 28, 4890-4893	3.8	65
81	Rhodium-Catalyzed Hydroalkynylation of Internal Alkynes with Silylacetylenes: An Alkynylrhodium(I) Intermediate Generated from the Hydroxorhodium(I) Complex [Rh(OH)(binap)] <sub>2</sub> . <i>Advanced Synthesis and Catalysis</i> , <b>2007</b> , 349, 2669-2672	5.6	65
80	Asymmetric synthesis of gem-diaryl substituted cyclic sulfamidates and sulfamides by rhodium-catalyzed arylation of cyclic ketimines. <i>Chemical Communications</i> , <b>2013</b> , 49, 5504-6	5.8	59
79	Cobalt-catalyzed asymmetric addition of silylacetylenes to oxa- and azabenzonorbornadienes. <i>Chemical Communications</i> , <b>2012</b> , 48, 6106-8	5.8	58
78	Ruthenium/Halide Catalytic System for C-C Bond Forming Reaction between Alkynes and Unsaturated Carbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , <b>2007</b> , 349, 2563-2571	5.6	56
77	Rhodium-catalyzed asymmetric conjugate alkynylation of enones with alkynylsilanol. <i>Organic Letters</i> , <b>2009</b> , 11, 3222-5	6.2	55
76	Electronic tuning of chiral diene ligands in iridium-catalyzed asymmetric 1,6-addition of arylboroxines to $\alpha,\beta$ -unsaturated ketones. <i>Chemical Communications</i> , <b>2012</b> , 48, 973-5	5.8	51
75	Rhodium-catalyzed aryl transfer from trisubstituted aryl methanols to alpha,beta-unsaturated carbonyl compounds. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 4937-9	16.4	51
74	Rhodium-catalyzed asymmetric cyclodimerization of oxa- and azabicyclic alkenes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1492-3	16.4	50
73	Chiral Tetrafluorobenzobarrelenes as Highly Efficient Ligands for the Rhodium-catalyzed Asymmetric 1,4-Addition of Arylboronic Acids. <i>Chemistry Letters</i> , <b>2008</b> , 37, 860-861	1.7	49

72	Rhodium-catalyzed asymmetric addition of terminal alkynes to diarylphosphinylallenes. <i>Chemistry - an Asian Journal</i> , <b>2008</b> , 3, 1505-10	4.5	48
71	Mechanistic insights into bicyclic guanidine-catalyzed reactions from microscopic and macroscopic perspectives. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 5745-52	4.2	47
70	Cobalt-catalyzed conjugate addition of silylacetylenes to $\alpha,\beta$ -unsaturated ketones. <i>Chemical Communications</i> , <b>2011</b> , 47, 10142-4	5.8	46
69	Catalytic [3 + 2] annulation of ketimines with alkynes via C-H activation by a cationic iridium(cod) complex. <i>Chemical Communications</i> , <b>2014</b> , 50, 6274-7	5.8	45
68	Hydroxoiridium-Catalyzed Hydroalkylation of Terminal Alkenes with Ureas by C(sp <sup>2</sup> )-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7200-7204	16.4	38
67	Selective H/D Exchange at Vinyl and Methylidene Groups with D <sub>2</sub> O Catalyzed by an Iridium Complex. <i>Organic Letters</i> , <b>2016</b> , 18, 3674-7	6.2	38
66	Rhodium-Catalyzed Asymmetric Cycloisomerization of 1,6-Ene-ynamides. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 1374-1382	5.6	38
65	Hydroxorhodium/Chiral Diene Complexes as Effective Catalysts for the Asymmetric Arylation of 3-Aryl-3-hydroxyisoindolin-1-ones. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 1821-1824	3.6	38
64	Rhodium-catalyzed asymmetric conjugate alkynylation of nitroalkenes. <i>Chemical Communications</i> , <b>2010</b> , 46, 6837-9	5.8	38
63	Iridium-catalyzed asymmetric [3+2] annulation of aromatic ketimines with alkynes via C-H activation: unexpected inversion of the enantioselectivity induced by protic acids. <i>Chemical Communications</i> , <b>2016</b> , 52, 5876-9	5.8	38
62	Iridium-catalyzed [3 + 2] annulation of 1,3-dienes with ortho-carbonylated phenylboronic acids. A catalytic process involving regioselective 1,2-addition. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 7506-7	16.4	37
61	C <sub>2</sub> -Symmetric tetrafluorobenzobarrelenes as highly efficient ligands for the iridium-catalyzed asymmetric annulation of 1,3-dienes with 2-formylphenylboron reagents. <i>Tetrahedron: Asymmetry</i> , <b>2008</b> , 19, 1778-1783		37
60	Asymmetric Cyclopropanation of Alkenes with Dimethyl Diazomalonate Catalyzed by Chiral DieneRhodium Complexes. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 7482-7485	3.6	35
59	Stereoselective hydroacylation of bicyclic alkenes with 2-hydroxybenzaldehydes catalyzed by hydroxoiridium/diene complexes. <i>Chemical Communications</i> , <b>2015</b> , 51, 13791-4	5.8	34
58	Hydroxoiridium/Chiral Diene Complexes as Effective Catalysts for Asymmetric Annulation of $\beta$ -Oxo- and Iminocarboxamides with 1,3-Dienes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10949-52	16.4	34
57	Asymmetric hydroarylation of vinyl ethers catalyzed by a hydroxoiridium complex: azoles as effective directing groups. <i>Chemical Communications</i> , <b>2017</b> , 53, 2760-2763	5.8	33
56	Ruthenium/chloride catalytic system for conjugate addition of terminal alkynes to acrylate esters. <i>Chemical Communications</i> , <b>2004</b> , 1312-3	5.8	33
55	Rhodium-Catalyzed Rearrangement of Aryl Bis(alkynyl) Carbinols to 3-Alkynyl-1-indanones. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 1469-1471	3.6	32

54	Hydroxoiridium-Catalyzed Hydroarylation of Alkynes and Bicycloalkenes with N-Sulfonylbenzamides. <i>Organic Letters</i> , <b>2017</b> , 19, 5952-5955	6.2	31
53	Cobalt-catalyzed asymmetric addition of silylacetylenes to 1,1-disubstituted allenes. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 8986-93	4.2	31
52	Asymmetric Synthesis of $\beta$ -Alkynyl Aldehydes by Rhodium-Catalyzed Conjugate Alkynylation. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 8201-8203	3.6	31
51	Chiral Tetrafluorobenzobarrelene Ligands for the Rhodium-Catalyzed Asymmetric Cycloisomerization of Oxygen- and Nitrogen-Bridged 1,6-Enynes. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 1682-1685	3.6	30
50	Rhodium-catalyzed asymmetric addition of arylboronic acids to cyclic N-sulfonyl ketimines towards the synthesis of $\beta$ -diaryl- $\alpha$ -amino acid derivatives. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 4918-24	3.9	29
49	Iridium-catalyzed annulation of salicylimines with 1,3-dienes. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9284-7	16.4	28
48	Iridium-Catalyzed Annulation of Aromatic Imines with 1,3-Dienes via Direct Functionalization of an Aromatic C-H Bond. <i>Advanced Synthesis and Catalysis</i> , <b>2015</b> , 357, 1425-1436	5.6	28
47	Rhodium-catalyzed asymmetric addition of arylboroxines to $\beta$ -alkoxyacrylate esters. <i>Chemical Communications</i> , <b>2011</b> , 47, 10488-90	5.8	27
46	Chiral Tetrafluorobenzobarrelenes as Effective Ligands for Rhodium-Catalyzed Asymmetric 1,4-Addition of Arylboroxines to $\beta$ -Disubstituted $\alpha,\beta$ -Unsaturated Ketones. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 4061-4063	3.6	25
45	Rhodium-catalyzed enantioselective alkynylative cyclization of allenyl aldehydes with terminal alkynes. <i>Tetrahedron: Asymmetry</i> , <b>2010</b> , 21, 1730-1736		25
44	Iridium-Catalyzed Regio- and Enantioselective Hydroarylation of Alkenyl Ethers by Olefin Isomerization. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 5699-5703	3.6	24
43	Rhodium/Chiral Diene-Catalyzed Asymmetric Cyclopolymerization of Achiral 1,8-Diynes. <i>Organometallics</i> , <b>2011</b> , 30, 2342-2348	3.8	24
42	Iridium/Chiral Diene-Catalyzed Enantioselective (3+2) Annulation of Aromatic Ketimines with 1,3-Enynes via C-H Activation. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 791-795	5.6	22
41	Formation of Carbocycles via a 1,4-Rh Shift Triggered by a Rhodium-Catalyzed Addition of Terminal Alkynes to 3,3-Diarylcyclopropenes. <i>Organic Letters</i> , <b>2015</b> , 17, 2630-3	6.2	20
40	Rhodium-Catalyzed Aryl Transfer from Trisubstituted Aryl Methanols to $\alpha,\beta$ -Unsaturated Carbonyl Compounds. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 5025-5027	3.6	20
39	Iridium-catalyzed sp <sup>3</sup> C-H Alkylation of 3-Carbonyl-2-(alkylamino)pyridines with Alkenes. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1176-1178	1.7	19
38	Hydroxoiridium/Chiral Diene Complexes as Effective Catalysts for Asymmetric Annulation of $\beta$ -Oxo- and Iminocarboxamides with 1,3-Dienes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11099-11102	3.6	18
37	Iridium-Catalyzed Direct Hydroarylation of Glycals via C-H Activation: Ligand-Controlled Stereoselective Synthesis of $\beta$ - and $\gamma$ -Glycosyl Arenes. <i>ACS Catalysis</i> , <b>2019</b> , 9, 1347-1352	13.1	18

36	Iridium-Catalyzed Asymmetric Hydroarylation of Chromene Derivatives with Aromatic Ketones: Enantioselective Synthesis of 2-Arylchromanes. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 2124-2128	5.6	17
35	Asymmetric Cyclization of N-Sulfonyl Alkenyl Amides Catalyzed by Iridium/Chiral Diene Complexes. <i>Organic Letters</i> , <b>2016</b> , 18, 4474-7	6.2	17
34	Rhodium-catalyzed aryl- and alkylation-oligomerization of alkynoates with organoboron reagents giving salicylates. <i>Chemical Communications</i> , <b>2010</b> , 46, 2130-2	5.8	17
33	Iridium-catalyzed asymmetric cyclization of alkenoic acids leading to $\beta$ -lactones. <i>Chemical Communications</i> , <b>2015</b> , 51, 13466-9	5.8	16
32	Iridium-Catalyzed Hydroarylation of Conjugated Dienes via $\pi$ -Allyliridium Intermediates. <i>Organic Letters</i> , <b>2018</b> , 20, 828-831	6.2	16
31	Novel Palladium Catalytic Systems for Organic Transformations. <i>Synlett</i> , <b>2004</b> , 2004, 0201-0216	2.2	14
30	Regularized regression analysis of digitized molecular structures in organic reactions for quantification of steric effects. <i>Journal of Computational Chemistry</i> , <b>2017</b> , 38, 1825-1833	3.5	13
29	Vanadium-catalyzed Isomerization of Cyclopropanemethanols to Homoallylic Alcohols Involving C-C Bond Cleavage. <i>Chemistry Letters</i> , <b>2005</b> , 34, 380-381	1.7	13
28	Enantioselective 1,4-addition of cyclopropylboronic acid catalyzed by rhodium/chiral diene complexes. <i>Chemical Communications</i> , <b>2015</b> , 51, 8528-31	5.8	12
27	Development of a Novel Homogeneous and Heterogeneous Pd Catalytic System for Organic Transformations. <i>Catalysis Surveys From Asia</i> , <b>2001</b> , 4, 135-147		12
26	Rhodium-catalyzed asymmetric addition of arylboronic acids to 2H-chromenes leading to 3-arylchromane derivatives. <i>Chemical Communications</i> , <b>2019</b> , 55, 11876-11879	5.8	11
25	Rhodium-Catalyzed Enantioselective Addition of Tricyclopropylboroxin to N-Sulfonylimines. <i>Synthesis</i> , <b>2016</b> , 48, 2612-2618	2.9	11
24	Iridium-Catalyzed Sequential $sp^3$ C-H Alkylation of an N-Methyl Group with Alkenes Towards the Synthesis of $\beta$ -Substituted Amines. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 4827-4831	5.6	11
23	Rhodium/chiral diene-catalyzed asymmetric methylation of N-sulfonylarylimines with trimethylboroxine. <i>Tetrahedron: Asymmetry</i> , <b>2012</b> , 23, 655-658		10
22	Hydroxoiridium-Catalyzed Hydroalkylation of Terminal Alkenes with Ureas by C( $sp^3$ )-H Bond Activation. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7306-7310	3.6	9
21	Hydroxoiridium-Catalyzed $sp^3$ C-H Alkylation of Indoline Derivatives with Terminal Alkenes. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 1347-1350	3	9
20	Iridium-catalyzed Cleavage of C-D Bonds Using Alcohols as Reducing Reagents. <i>Chemistry Letters</i> , <b>2017</b> , 46, 953-955	1.7	8
19	Rhodium-catalyzed Alkynylation of Alkynes, Allenes, and Conjugate Enones. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2008</b> , 66, 1160-1167	0.2	8

18	Rhodium-catalyzed oxidative alkynylation of acrylate esters with propargylic alcohols. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 2185-2187	2	7
17	Metal Cation-Exchanged Montmorillonite-Catalyzed Addition of Organic Disulfides to Alkenes. <i>Bulletin of the Chemical Society of Japan</i> , <b>2005</b> , 78, 1138-1141	5.1	7
16	Molybdenum- and Rhenium-catalyzed Isomerization of Cyclopropanemethanols to Tetrahydrofurans. <i>Chemistry Letters</i> , <b>2005</b> , 34, 790-791	1.7	7
15	Iridium-Catalyzed Hydroarylation via C-H Bond Activation. <i>Chemical Record</i> , <b>2021</b> ,	6.6	7
14	Iridium-catalyzed enantioselective addition of an $\alpha$ -methyl C-H bond to $\beta$ -trifluoromethylstyrenes C-H activation. <i>Chemical Communications</i> , <b>2021</b> , 57, 11787-11790	5.8	4
13	Acid-catalyzed chirality-transferring intramolecular Friedel-Crafts cyclization of $\beta$ -hydroxy- $\beta$ -alkenylsilanes. <i>Chemical Communications</i> , <b>2019</b> , 55, 8635-8638	5.8	3
12	Enantioselective synthesis of 3-substituted dihydrobenzofurans through iridium-catalyzed intramolecular hydroarylation. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 684-690	3.9	3
11	Iridium-catalyzed Annulation of $\beta$ -Unsaturated Amides with Electron-deficient Conjugated Dienes. <i>Chemistry Letters</i> , <b>2020</b> , 49, 732-735	1.7	2
10	Iridium-Catalyzed Asymmetric Reactions Realizing High Atom Efficiency. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2017</b> , 75, 421-431	0.2	2
9	Iridium-Catalyzed Intramolecular Oxidative Cyclization of Alkenyl Amides and Alkenoic Acids. <i>Synthesis</i> , <b>2017</b> , 49, 4272-4282	2.9	1
8	Enantioselective Synthesis of Chiral Indane Derivatives by Rhodium-Catalyzed Addition of Arylboron Reagents to Substituted Indenes. <i>Organic Letters</i> , <b>2020</b> , 22, 9597-9602	6.2	1
7	Synthesis of Allene-Containing Apocarotenoids by Cross-Coupling Strategy. <i>Synthesis</i> , <b>2020</b> , 52, 3007-3017		1
6	Iridium-Catalyzed Direct C-H Allylation of Ketimines. <i>Synthesis</i> , <b>2021</b> , 53, 3051-3056	2.9	1
5	Iridium-catalyzed stereoselective [3+2] annulation of $\beta$ -oxocarboxylic acids with 1,3-dienes. <i>Chemical Communications</i> , <b>2021</b> , 57, 5917-5920	5.8	1
4	Stereoselective Synthesis of Polysubstituted Tetrahydropyranones via Acid-Promoted Cyclization of $\beta$ -silyl- $\beta$ -ethylidene- $\beta$ -butyrolactones with Aldehydes and Ketones. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 11884-11894	4.2	1
3	Concise Synthesis of $\beta$ -Diaryl Esters and Ketones from Ethynylcarbonyl Compounds by Rhodium-catalyzed Double Arylation with Arylboroxins. <i>Chemistry Letters</i> , <b>2011</b> , 40, 1285-1287	1.7	0
2	Preparations: Sections 11.11 – 1.20 <b>2004</b> , 382-407		
1	Metallocenes in Regio- and Stereoselective Synthesis. Bd. 8 der Reihe $\beta$ Topics in Organometallic Chemistry $\beta$ Herausgegeben von Tamotsu Takahashi.. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 6968-6968	3.6	



