Toshimichi Ohmura

List of Publications by Year
in descending order

66	4,216	109137	114278
papers	citations	35 h-index	63 g-index

98	98	98	2553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of Disilanes, Dihydrosiloles, and 1,4â€Disilacyclohexaâ€2,5â€dienes by Transitionâ€Metalâ€Free Transfer of Diphenylsilylene and Dimethylsilylene from Silylboronic Esters. European Journal of Organic Chemistry, 2022, 2022, .	1.2	2
2	Iridium-catalyzed Enantioselective Intramolecular Cross-dehydrogenative Coupling of Alkyl Aryl Ethers Giving Enantioenriched 2,3-Dihydrobenzofurans. Chemistry Letters, 2022, 51, 601-604.	0.7	3
3	Copper-catalyzed regioselective trans-silaboration of internal arylalkynes with stereochemical switch to cis-addition mode. Chemical Communications, 2021, 57, 4670-4673.	2.2	10
4	Intramolecular Addition of a Dimethylamino C(sp3)â€“H Bond across Câ€“C Triple Bonds Using IrCl(DTBM-SEGPHOS)(ethylene) Catalyst: Synthesis of Indoles from 2-Alkynyl-N-methylanilines. Synthesis, 2021, 53, 3057-3064.	1.2	7
5	Mechanism of 2,6-Dichloro-4,4â€²-bipyridine-Catalyzed Diboration of Pyrazines Involving a Bipyridine-Stabilized Boryl Radical. Bulletin of the Chemical Society of Japan, 2021, 94, 1894-1902.	2.0	3
6	Iridium-catalyzed enantioselective intramolecular hydroarylation of allylic aryl ethers devoid of a directing group on the aryl group. Chemical Communications, 2021, 57, 13542-13545.	2.2	4
7	Construction of Silicon-Containing Seven-Membered Rings by Catalytic [4 + 2 + 1] Cycloaddition through Rhodium Silylenoid. Organic Letters, 2020, 22, 2961-2966.	2.4	17
8	Tandem Câ€“H Transformations by a Single Iridium Catalyst: Direct Access to Indoles and Indolines from o-Alkyl-N-methylanilines. ACS Catalysis, 2020, 10, 3152-3157.	5.5	13
9	Iridiumâ€Catalyzed C(sp³)â^'H Addition of Methyl Ethers across Intramolecular Carbonâ€“Carbon Double Bonds Giving 2,3â€Dihydrobenzofurans. Advanced Synthesis and Catalysis, 2019, 361, 4448-4453.	2.1	15
10	4,4â€²-Bipyridyl-Catalyzed Reduction of Nitroarenes by Bis(neopentylglycolato)diboron. Organic Letters, 2019, 21, 9812-9817.	2.4	40
11	Pyridineâ€Based Organocatalysts for Regioselective synâ€1,2â€Silaboration of Terminal Alkynes and Allenes. Asian Journal of Organic Chemistry, 2019, 8, 1092-1096.	1.3	24
12	Catalytic Generation of Rhodium Silylenoid for Alkeneâ€“Alkyneâ€“Silylene [2 + 2 + 1] Cycloaddition. Organic Letters, 2019, 21, 1649-1653.	2.4	19
13	Enantiospecific Suzukiâ€“Miyaura Coupling of Nonbenzylic Î±â€(Acylamino)alkylboronic Acid Derivatives. Chemistry - an Asian Journal, 2018, 13, 2414-2417.	1.7	23
14	Utilization of a Trimethylsilyl Group as a Synthetic Equivalent of a Hydroxyl Group via Chemoselective C(sp³)â€“H Borylation at the Methyl Group on Silicon. Journal of Organic Chemistry, 2017, 82, 2943-2956.	1.7	28
15	Palladium-Catalyzed Î²-Elimination of Aminoboranes from (Aminomethylsilyl)boranes Leading to the Formation of Silene Dimers. Organometallics, 2017, 36, 4298-4304.	1.1	8
16	Asymmetric Cycloisomerization of oâ€Alkenylâ€Nâ€Methylanilines to Indolines by Iridiumâ€Catalyzed C(sp³)â^'H Addition to Carbonâ€“Carbon Double Bonds. Angewandte Chemie, 2017, 129, 14460-14464.	1.6	9
17	Asymmetric Cycloisomerization of oâ€Alkenylâ€Nâ€Methylanilines to Indolines by Iridiumâ€Catalyzed C(sp³)â^'H Addition to Carbonâ€“Carbon Double Bonds. Angewandte Chemie - International Edition, 2017, 56, 14272-14276.	7.2	41
18	4,4â€²-Bipyridine-catalyzed Stereoselective trans-Diboration of Acetylenedicarboxylates to 2,3-Diborylfumarates. Chemistry Letters, 2017, 46, 1793-1796.	0.7	22

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19	Iridiumâ€Catalyzed Intramolecular Methoxy Câ^'H Addition to Carbonâ€"Carbon Triple Bonds: Direct Synthesis of 3â€Substituted Benzofurans from oâ€Methoxyphenylalkynes. Chemistry - A European Journal, 2016, 22, 10415-10419.	1.7	27
20	A (Borylmethyl)silane Bearing Three Hydrolyzable Groups on Silicon: Synthesis via Iridium-Catalyzed C(sp³)â€"H Borylation and Conversion to Functionalized Siloxanes. Organometallics, 2016, 35, 1601-1603.	1.1	17
21	Organocatalytic Diboration Involving â€œReductive Additionâ€•of a Boronâ€"Boron Ïƒ-Bond to 4,4â€²-Bipyridine. Journal of the American Chemical Society, 2015, 137, 2852-2855.	6.6	60
22	Site- and Regioselective Silaborative Câ€"C Cleavage of 1-Alkyl-2-Methylenecyclopropanes Using a Platinum Catalyst with a Sterically Demanding Silylboronic Ester. ACS Catalysis, 2015, 5, 3074-3077.	5.5	29
23	Iridium-catalysed borylation of sterically hindered C(sp³)â€"H bonds: remarkable rate acceleration by a catalytic amount of potassium tert-butoxide. Chemical Communications, 2014, 50, 6333-6336.	2.2	42
24	Synthesis of Cyclic Alkenylborates via Silaboration of Alkynes Followed by Hydrolysis for Utilization in External-Base-Free Cross Coupling. Organometallics, 2013, 32, 2870-2873.	1.1	10
25	Cycloaddition-based Formal Câ€"H Alkynylation of Isoindoles Leading to the Synthesis of Air-stable Fluorescent 1,3-Dialkynylisoindoles. Organic Letters, 2013, 15, 3510-3513.	2.4	22
26	Functionalization of Tetraorganosilanes and Permethyloligosilanes at a Methyl Group on Silicon via Iridium-Catalyzed C(sp³)â€"H Borylation. Organometallics, 2013, 32, 6170-6173.	1.1	47
27	Catalytic Borylation and Silylation of Unsaturated Organic Molecules: Reaction Control by Transition Metal Catalysts and Applications to Organic Synthesis. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2013, 71, 804-817.	0.0	4
28	Regioselective Synthesis of 1,2-Dihydropyridines by Rhodium-Catalyzed Hydroboration of Pyridines. Journal of the American Chemical Society, 2012, 134, 3699-3702.	6.6	152
29	Catalytic Functionalization of Methyl Group on Silicon: Iridium-Catalyzed C(sp³)â€"H Borylation of Methylchlorosilanes. Journal of the American Chemical Society, 2012, 134, 17416-17419.	6.6	90
30	Dearomatizing conversion of pyrazines to 1,4-dihydropyrazine derivatives via transition-metal-free diboration, silaboration, and hydroboration. Chemical Communications, 2012, 48, 8571.	2.2	64
31	Enhanced Catalyst Activity and Enantioselectivity with Chirality-Switchable Polymer Ligand PQXphos in Pd-Catalyzed Asymmetric Silaborative Cleavage of meso-Methylenecyclopropanes. Journal of the American Chemical Society, 2012, 134, 11092-11095.	6.6	122
32	Inversion or Retention? Effects of Acidic Additives on the Stereochemical Course in Enantiospecific Suzukiâ€"Miyaura Coupling of Î±-(Acetylamino)benzylboronic Esters. Journal of the American Chemical Society, 2011, 133, 20738-20741.	6.6	165
33	2-Vinylindoles As the Four-Atom Component in a Catalytic [4+1] Cycloaddition with a Silylene-Palladium Species Generated from (Aminosilyl)boronic Ester. Organometallics, 2011, 30, 1322-1325.	1.1	24
34	Dinuclear Palladium and Platinum Complexes with Bridging Silylene Ligands. Preparation Using (Aminosilyl)boronic Ester as the Ligand Precursor and Their Reactions with Alkynes. Organometallics, 2011, 30, 3981-3991.	1.1	30
35	Palladium-Catalyzed Regioselective Silaboration of Pyridines Leading to the Synthesis of Silylated Dihydropyridines. Journal of the American Chemical Society, 2011, 133, 7324-7327.	6.6	94
36	Integrated Catalytic Câ^'H Transformations for One-Pot Synthesis of 1-Arylisoindoles from Isoindolines via Palladium-Catalyzed Dehydrogenation Followed by Câ^'H Arylation. Organic Letters, 2011, 13, 1238-1241.	2.4	43

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37	(E)â€•and (Z)â€²â€²Borylallylsilanes by Alkyne Silaboration Followed by Regioâ€•and Stereoselective Doubleâ€Bond Migration. Angewandte Chemie - International Edition, 2011, 50, 12501-12504.	7.2	34
38	Switch of Regioselectivity in Palladium-Catalyzed Silaboration of Terminal Alkynes by Ligand-Dependent Control of Reductive Elimination. Journal of the American Chemical Society, 2010, 132, 12194-12196.	6.6	105
39	Stereospecific Suzukiâ^'Miyaura Coupling of Chiral Î±-(Acylamino)benzylboronic Esters with Inversion of Configuration. Journal of the American Chemical Society, 2010, 132, 13191-13193.	6.6	247
40	Stereoselective Synthesis of cisâ€²â€²Methylâ€•and Phenylâ€Substituted Alkenylboronates by Platinumâ€Catalyzed Dehydrogenative Borylation. Angewandte Chemie - International Edition, 2009, 48, 2372-2375.	7.2	52
41	Kinetic Resolution of Racemic 1-Alkyl-2-methylenecyclopropanes via Palladium-Catalyzed Silaborative Câ^'C Cleavage. Organic Letters, 2009, 11, 2880-2883.	2.4	48
42	Palladium-Catalyzed Silylene-1,3-Diene [4 + 1] Cycloaddition with Use of (Aminosilyl)boronic Esters as Synthetic Equivalents of Silylene. Journal of the American Chemical Society, 2009, 131, 16624-16625.	6.6	69
43	Nickel-Catalyzed Ring-Opening Hydroacylation of Methylenecyclopropanes: Synthesis of Î³,Î´-Unsaturated Ketones from Aldehydes. Journal of the American Chemical Society, 2009, 131, 11298-11299.	6.6	89
44	Synthesis of 1-Borylisoindoles via Palladium-Catalyzed Dehydrogenation/Câ^'H Borylation of Isoindolines. Journal of the American Chemical Society, 2009, 131, 6070-6071.	6.6	62
45	Silylboranes as New Tools in Organic Synthesis. Bulletin of the Chemical Society of Japan, 2009, 82, 29-49.	2.0	239
46	Î±-Amidobenzylation of Aryl and Alkenyl Halides via Palladium-catalyzed Suzukiâ€“Miyaura Coupling with Î±-(Acylamino)benzylboronic Esters. Chemistry Letters, 2009, 38, 664-665.	0.7	35
47	Palladium-catalysed cis- and trans-silaboration of terminal alkynes: complementary access to stereo-defined trisubstituted alkenes. Chemical Communications, 2008, , 1416.	2.2	68
48	Silylboranes Bearing Dialkylamino Groups on Silicon as Silylene Equivalents:â€‰ Palladium-Catalyzed Regioselective Synthesis of 2,4-Disubstituted Siloles. Journal of the American Chemical Society, 2008, 130, 1526-1527.	6.6	82
49	Synthetic Application of Intramolecular Cyanoboration on the Basis of Removal and Conversion of a Tethering Group by Palladium-Catalyzed Retro-Allylation. Synlett, 2008, 2008, 423-427.	1.0	2
50	Palladium-Catalyzed Asymmetric Silaborative Câ^'C Cleavage ofmeso-Methylenecyclopropanes. Journal of the American Chemical Society, 2007, 129, 3518-3519.	6.6	112
51	Synthesis of Silylboronic Esters Functionalized on Silicon. Organometallics, 2007, 26, 1291-1294.	1.1	69
52	Asymmetric Silaboration of Terminal Allenes Bearing Î±-Stereogenic Centers:â€‰ Stereoselection Based on â€œReagent Controlâ€• Organic Letters, 2006, 8, 2503-2506.	2.4	51
53	Ligand-Controlled, Complementary Stereoselectivity in the Platinum-Catalyzed Intramolecular Silaboration of Alkenes. Journal of the American Chemical Society, 2006, 128, 13366-13367.	6.6	44
54	Palladium-Catalyzed Asymmetric Silaboration of Allenes. Journal of the American Chemical Society, 2006, 128, 13682-13683.	6.6	132

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55	Enantioface-Selective Palladium-Catalyzed Silaboration of Allenes via Double Asymmetric Induction.. ChemInform, 2004, 35, no.	0.1	0
56	Regio- and Enantioselective Allylic Amination of Achiral Allylic Esters Catalyzed by an Iridiumâ€"Phosphoramidite Complex.. ChemInform, 2003, 34, no.	0.1	0
57	Regio- and Enantioselective Iridium-Catalyzed Intermolecular Allylic Etherification of Achiral Allylic Carbonates with Phenoxides.. ChemInform, 2003, 34, no.	0.1	0
58	Regio- and Enantioselective Iridium-Catalyzed Intermolecular Allylic Etherification of Achiral Allylic Carbonates with Phenoxides. Journal of the American Chemical Society, 2003, 125, 3426-3427.	6.6	211
59	Enantioface-Selective Palladium-Catalyzed Silaboration of Allenes via Double Asymmetric Induction. Journal of the American Chemical Society, 2003, 125, 11174-11175.	6.6	100
60	Inter- and Intramolecular Additions of 1-Alkenylboronic Acids or Esters to Aldehydes and Ketones Catalyzed by Rhodium(I) Complexes in Basic, Aqueous Solutions. Synlett, 2002, 2002, 1733-1735.	1.0	2
61	Regio- and Enantioselective Allylic Amination of Achiral Allylic Esters Catalyzed by an Iridiumâ"Phosphoramidite Complex. Journal of the American Chemical Society, 2002, 124, 15164-15165.	6.6	345
62	Rhodium- or Iridium-Catalyzedtrans-Hydroboration of Terminal Alkynes, Giving (Z)-1-Alkenylboron Compounds. Journal of the American Chemical Society, 2000, 122, 4990-4991.	6.6	337
63	Iridium-Catalyzed Dimerization of Terminal Alkynes to (E)-Enynes, (Z)-Enynes, or 1,2,3-Butatrienes. Organometallics, 2000, 19, 365-367.	1.1	102
64	Synthesis of Chiral Esters of (E)-3-(Silyloxy)-2-propenylboronic Acid via the Iridium-Catalyzed Isomerization of the Double Bond. Journal of Organic Chemistry, 1999, 64, 296-298.	1.7	84
65	Stereoselective Synthesis of Silyl Enol Ethers via the Iridium-Catalyzed Isomerization of Allyl Silyl Ethers. Organometallics, 1999, 18, 413-416.	1.1	69
66	A stereoselective isomerization of allyl silyl ethers to (E)- or (Z)-silyl enol ethers using cationic iridium complexes. Chemical Communications, 1998, , 1337-1338.	2.2	43