

Toshimichi Ohmura

List of Publications by Year in descending order

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papers

4,216
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109886

35
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110832

64
g-index

98
all docs

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docs citations

98
times ranked

2553
citing authors

#	ARTICLE	IF	CITATIONS
1	Regio- and Enantioselective Allylic Amination of Achiral Allylic Esters Catalyzed by an Iridium ⁺ Phosphoramidite Complex. <i>Journal of the American Chemical Society</i> , 2002, 124, 15164-15165.	14.2	345
2	Rhodium- or Iridium-Catalyzed <i>trans</i> -Hydroboration of Terminal Alkynes, Giving (<i>Z</i>)-1-Alkenylboron Compounds. <i>Journal of the American Chemical Society</i> , 2000, 122, 4990-4991.	14.2	337
3	Stereospecific Suzuki ⁺ Miyaura Coupling of Chiral $\hat{\pm}$ -(Acylamino)benzylboronic Esters with Inversion of Configuration. <i>Journal of the American Chemical Society</i> , 2010, 132, 13191-13193.	14.2	247
4	Silylboranes as New Tools in Organic Synthesis. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 29-49.	3.3	239
5	Regio- and Enantioselective Iridium-Catalyzed Intermolecular Allylic Etherification of Achiral Allylic Carbonates with Phenoxides. <i>Journal of the American Chemical Society</i> , 2003, 125, 3426-3427.	14.2	211
6	Inversion or Retention? Effects of Acidic Additives on the Stereochemical Course in Enantiospecific Suzuki ⁺ Miyaura Coupling of $\hat{\pm}$ -(Acetylamino)benzylboronic Esters. <i>Journal of the American Chemical Society</i> , 2011, 133, 20738-20741.	14.2	165
7	Regioselective Synthesis of 1,2-Dihydropyridines by Rhodium-Catalyzed Hydroboration of Pyridines. <i>Journal of the American Chemical Society</i> , 2012, 134, 3699-3702.	14.2	152
8	Palladium-Catalyzed Asymmetric Silaboration of Allenes. <i>Journal of the American Chemical Society</i> , 2006, 128, 13682-13683.	14.2	132
9	Enhanced Catalyst Activity and Enantioselectivity with Chirality-Switchable Polymer Ligand PQXphos in Pd-Catalyzed Asymmetric Silaborative Cleavage of <i>meso</i> -Methylenecyclopropanes. <i>Journal of the American Chemical Society</i> , 2012, 134, 11092-11095.	14.2	122
10	Palladium-Catalyzed Asymmetric Silaborative C ⁺ C Cleavage of <i>meso</i> -Methylenecyclopropanes. <i>Journal of the American Chemical Society</i> , 2007, 129, 3518-3519.	14.2	112
11	Switch of Regioselectivity in Palladium-Catalyzed Silaboration of Terminal Alkynes by Ligand-Dependent Control of Reductive Elimination. <i>Journal of the American Chemical Society</i> , 2010, 132, 12194-12196.	14.2	105
12	Iridium-Catalyzed Dimerization of Terminal Alkynes to (<i>E</i>)-Enynes, (<i>Z</i>)-Enynes, or 1,2,3-Butatrienes. <i>Organometallics</i> , 2000, 19, 365-367.	2.5	102
13	Enantioface-Selective Palladium-Catalyzed Silaboration of Allenes via Double Asymmetric Induction. <i>Journal of the American Chemical Society</i> , 2003, 125, 11174-11175.	14.2	100
14	Palladium-Catalyzed Regioselective Silaboration of Pyridines Leading to the Synthesis of Silylated Dihydropyridines. <i>Journal of the American Chemical Society</i> , 2011, 133, 7324-7327.	14.2	94
15	Catalytic Functionalization of Methyl Group on Silicon: Iridium-Catalyzed C(sp ³) ⁺ H Borylation of Methylchlorosilanes. <i>Journal of the American Chemical Society</i> , 2012, 134, 17416-17419.	14.2	90
16	Nickel-Catalyzed Ring-Opening Hydroacylation of Methylenecyclopropanes: Synthesis of $\hat{3},\hat{1}$ -Unsaturated Ketones from Aldehydes. <i>Journal of the American Chemical Society</i> , 2009, 131, 11298-11299.	14.2	89
17	Synthesis of Chiral Esters of (<i>E</i>)-3-(Silyloxy)-2-propenylboronic Acid via the Iridium-Catalyzed Isomerization of the Double Bond. <i>Journal of Organic Chemistry</i> , 1999, 64, 296-298.	3.3	84
18	Silylboranes Bearing Dialkylamino Groups on Silicon as Silylene Equivalents: $\hat{\epsilon}$ Palladium-Catalyzed Regioselective Synthesis of 2,4-Disubstituted Siloles. <i>Journal of the American Chemical Society</i> , 2008, 130, 1526-1527.	14.2	82

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19	Stereoselective Synthesis of Silyl Enol Ethers via the Iridium-Catalyzed Isomerization of Allyl Silyl Ethers. <i>Organometallics</i> , 1999, 18, 413-416.	2.5	69
20	Synthesis of Silyboronic Esters Functionalized on Silicon. <i>Organometallics</i> , 2007, 26, 1291-1294.	2.5	69
21	Palladium-Catalyzed Silylene-1,3-Diene [4 + 1] Cycloaddition with Use of (Aminosilyl)boronic Esters as Synthetic Equivalents of Silylene. <i>Journal of the American Chemical Society</i> , 2009, 131, 16624-16625.	14.2	69
22	Palladium-catalysed cis- and trans-silaboration of terminal alkynes: complementary access to stereo-defined trisubstituted alkenes. <i>Chemical Communications</i> , 2008, , 1416.	4.2	68
23	Dearomatizing conversion of pyrazines to 1,4-dihydropyrazine derivatives via transition-metal-free diboration, silaboration, and hydroboration. <i>Chemical Communications</i> , 2012, 48, 8571.	4.2	64
24	Synthesis of 1-Borylisoindoles via Palladium-Catalyzed Dehydrogenation/C ^α H Borylation of Isoindolines. <i>Journal of the American Chemical Society</i> , 2009, 131, 6070-6071.	14.2	62
25	Organocatalytic Diboration Involving σ -Reductive Addition of a Boron-Boron σ -Bond to 4,4'-Bipyridine. <i>Journal of the American Chemical Society</i> , 2015, 137, 2852-2855.	14.2	60
26	Stereoselective Synthesis of <i>cis</i> - α -Methyl- and Phenyl-Substituted Alkenylboronates by Platinum-Catalyzed Dehydrogenative Borylation. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2372-2375.	14.2	52
27	Asymmetric Silaboration of Terminal Allenes Bearing β -Stereogenic Centers: σ Stereoselection Based on σ -Reagent Control. <i>Organic Letters</i> , 2006, 8, 2503-2506.	4.8	51
28	Kinetic Resolution of Racemic 1-Alkyl-2-methylenecyclopropanes via Palladium-Catalyzed Silaborative C ^α C Cleavage. <i>Organic Letters</i> , 2009, 11, 2880-2883.	4.8	48
29	Functionalization of Tetraorganosilanes and Permethyloligosilanes at a Methyl Group on Silicon via Iridium-Catalyzed C(sp ³) ^α H Borylation. <i>Organometallics</i> , 2013, 32, 6170-6173.	2.5	47
30	Ligand-Controlled, Complementary Stereoselectivity in the Platinum-Catalyzed Intramolecular Silaboration of Alkenes. <i>Journal of the American Chemical Society</i> , 2006, 128, 13366-13367.	14.2	44
31	A stereoselective isomerization of allyl silyl ethers to (E)- or (Z)-silyl enol ethers using cationic iridium complexes. <i>Chemical Communications</i> , 1998, , 1337-1338.	4.2	43
32	Integrated Catalytic C ^α H Transformations for One-Pot Synthesis of 1-Arylisoindoles from Isoindolines via Palladium-Catalyzed Dehydrogenation Followed by C ^α H Arylation. <i>Organic Letters</i> , 2011, 13, 1238-1241.	4.8	43
33	Iridium-catalysed borylation of sterically hindered C(sp ³) ^α H bonds: remarkable rate acceleration by a catalytic amount of potassium tert-butoxide. <i>Chemical Communications</i> , 2014, 50, 6333-6336.	4.2	42
34	Asymmetric Cycloisomerization of α -Alkenyl- β -N-Methylanilines to Indolines by Iridium-Catalyzed C(sp ³) ^α H Addition to Carbon-Carbon Double Bonds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14272-14276.	14.2	41
35	4,4'-Bipyridyl-Catalyzed Reduction of Nitroarenes by Bis(neopentylglycolato)diboron. <i>Organic Letters</i> , 2019, 21, 9812-9817.	4.8	40
36	β -Amidobenzoylation of Aryl and Alkenyl Halides via Palladium-catalyzed Suzuki-Miyaura Coupling with β -(Acylamino)benzylboronic Esters. <i>Chemistry Letters</i> , 2009, 38, 664-665.	1.4	35

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37	(<i>E</i>)- and (<i>Z</i>)- β -Boryllallylsilanes by Alkyne Silaboration Followed by Regio- and Stereoselective Double-Bond Migration. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12501-12504.	14.2	34
38	Dinuclear Palladium and Platinum Complexes with Bridging Silylene Ligands. Preparation Using (Aminosilyl)boronic Ester as the Ligand Precursor and Their Reactions with Alkynes. <i>Organometallics</i> , 2011, 30, 3981-3991.	2.5	30
39	Site- and Regioselective Silaborative C-C Cleavage of 1-Alkyl-2-Methylenecyclopropanes Using a Platinum Catalyst with a Sterically Demanding Silylboronic Ester. <i>ACS Catalysis</i> , 2015, 5, 3074-3077.	11.4	29
40	Utilization of a Trimethylsilyl Group as a Synthetic Equivalent of a Hydroxyl Group via Chemoselective C(sp ³) ³ -H Borylation at the Methyl Group on Silicon. <i>Journal of Organic Chemistry</i> , 2017, 82, 2943-2956.	3.3	28
41	Iridium-Catalyzed Intramolecular Methoxy C-H Addition to Carbon-Carbon Triple Bonds: Direct Synthesis of 3-Substituted Benzofurans from <i>o</i> -Methoxyphenylalkynes. <i>Chemistry - A European Journal</i> , 2016, 22, 10415-10419.	3.4	27
42	2-Vinylindoles As the Four-Atom Component in a Catalytic [4+1] Cycloaddition with a Silylene-Palladium Species Generated from (Aminosilyl)boronic Ester. <i>Organometallics</i> , 2011, 30, 1322-1325.	2.5	24
43	Pyridine-Based Organocatalysts for Regioselective <i>syn</i> -1,2-Silaboration of Terminal Alkynes and Allenes. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1092-1096.	2.7	24
44	Enantiospecific Suzuki-Miyaura Coupling of Nonbenzylic α -(Acylamino)alkylboronic Acid Derivatives. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2414-2417.	3.4	23
45	Cycloaddition-based Formal C-H Alkynylation of Isoindoles Leading to the Synthesis of Air-stable Fluorescent 1,3-Dialkynylisoindoles. <i>Organic Letters</i> , 2013, 15, 3510-3513.	4.8	22
46	4,4'-Bipyridine-catalyzed Stereoselective <i>trans</i> -Diboration of Acetylenedicarboxylates to 2,3-Diborylfumarates. <i>Chemistry Letters</i> , 2017, 46, 1793-1796.	1.4	22
47	Catalytic Generation of Rhodium Silylenoid for Alkene-Alkyne-Silylene [2 + 2 + 1] Cycloaddition. <i>Organic Letters</i> , 2019, 21, 1649-1653.	4.8	19
48	A (Borylmethyl)silane Bearing Three Hydrolyzable Groups on Silicon: Synthesis via Iridium-Catalyzed C(sp ³) ³ -H Borylation and Conversion to Functionalized Siloxanes. <i>Organometallics</i> , 2016, 35, 1601-1603.	2.5	17
49	Construction of Silicon-Containing Seven-Membered Rings by Catalytic [4 + 2 + 1] Cycloaddition through Rhodium Silylenoid. <i>Organic Letters</i> , 2020, 22, 2961-2966.	4.8	17
50	Iridium-Catalyzed C(sp ³) ³ -H Addition of Methyl Ethers across Intramolecular Carbon-Carbon Double Bonds Giving 2,3-Dihydrobenzofurans. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4448-4453.	4.4	15
51	Tandem C-H Transformations by a Single Iridium Catalyst: Direct Access to Indoles and Indolines from <i>o</i> -Alkyl- <i>N</i> -methylanilines. <i>ACS Catalysis</i> , 2020, 10, 3152-3157.	11.4	13
52	Synthesis of Cyclic Alkenylborates via Silaboration of Alkynes Followed by Hydrolysis for Utilization in External-Base-Free Cross Coupling. <i>Organometallics</i> , 2013, 32, 2870-2873.	2.5	10
53	Copper-catalyzed regioselective <i>trans</i> -silaboration of internal arylalkynes with stereochemical switch to <i>cis</i> -addition mode. <i>Chemical Communications</i> , 2021, 57, 4670-4673.	4.2	10
54	Asymmetric Cycloisomerization of <i>o</i> -Alkenyl- <i>N</i> -Methylanilines to Indolines by Iridium-Catalyzed C(sp ³) ³ -H Addition to Carbon-Carbon Double Bonds. <i>Angewandte Chemie</i> , 2017, 129, 14460-14464.	2.0	9

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55	Palladium-Catalyzed β -Elimination of Aminoboranes from (Aminomethylsilyl)boranes Leading to the Formation of Silene Dimers. <i>Organometallics</i> , 2017, 36, 4298-4304.	2.5	8
56	Intramolecular Addition of a Dimethylamino C(sp ³)-H Bond across C=C Triple Bonds Using IrCl(DTBM-SEGPHOS)(ethylene) Catalyst: Synthesis of Indoles from 2-Alkynyl-N-methylanilines. <i>Synthesis</i> , 2021, 53, 3057-3064.	2.3	7
57	Catalytic Borylation and Silylation of Unsaturated Organic Molecules: Reaction Control by Transition Metal Catalysts and Applications to Organic Synthesis. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2013, 71, 804-817.	0.1	4
58	Iridium-catalyzed enantioselective intramolecular hydroarylation of allylic aryl ethers devoid of a directing group on the aryl group. <i>Chemical Communications</i> , 2021, 57, 13542-13545.	4.2	4
59	Mechanism of 2,6-Dichloro-4,4'-bipyridine-Catalyzed Diboration of Pyrazines Involving a Bipyridine-Stabilized Boryl Radical. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1894-1902.	3.3	3
60	Iridium-catalyzed Enantioselective Intramolecular Cross-dehydrogenative Coupling of Alkyl Aryl Ethers Giving Enantioenriched 2,3-Dihydrobenzofurans. <i>Chemistry Letters</i> , 2022, 51, 601-604.	1.4	3
61	Inter- and Intramolecular Additions of 1-Alkenylboronic Acids or Esters to Aldehydes and Ketones Catalyzed by Rhodium(I) Complexes in Basic, Aqueous Solutions. <i>Synlett</i> , 2002, 2002, 1733-1735.	1.8	2
62	Synthetic Application of Intramolecular Cyanoboration on the Basis of Removal and Conversion of a Tethering Group by Palladium-Catalyzed Retro-Allylation. <i>Synlett</i> , 2008, 2008, 423-427.	1.8	2
63	Synthesis of Disilanes, Dihydrosiloles, and 1,4-disilacyclohexa-2,5-dienes by Transition-Metal-Free Transfer of Diphenylsilylene and Dimethylsilylene from Silylboronic Esters. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	2
64	Regio- and Enantioselective Allylic Amination of Achiral Allylic Esters Catalyzed by an Iridium-Phosphoramidite Complex. <i>ChemInform</i> , 2003, 34, no.	0.0	0
65	Regio- and Enantioselective Iridium-Catalyzed Intermolecular Allylic Etherification of Achiral Allylic Carbonates with Phenoxides. <i>ChemInform</i> , 2003, 34, no.	0.0	0
66	Enantioface-Selective Palladium-Catalyzed Silaboration of Allenes via Double Asymmetric Induction. <i>ChemInform</i> , 2004, 35, no.	0.0	0