

Yasunori Yamamoto

List of Publications by Year in descending order

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4,063
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94433

37
h-index

123424

61
g-index

147
all docs

147
docs citations

147
times ranked

2955
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	13.7	337
2	Cyclic Triolborates: Air- and Water-Stable Ate Complexes of Organoboronic Acids. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 928-931.	13.8	212
3	Conjugate Addition of Aryl Boronic Acids to Enones Catalyzed by Cationic Palladium(II)-Phosphane Complexes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2768-2770.	13.8	178
4	1,4-Addition of Arylboronic Acids and Arylsiloxanes to α,β -Unsaturated Carbonyl Compounds via Transmetalation to Dicationic Palladium(II) Complexes. <i>Organometallics</i> , 2004, 23, 4317-4324.	2.3	167
5	Iridium-catalyzed hydroboration of alkenes with pinacolborane. <i>Tetrahedron</i> , 2004, 60, 10695-10700.	1.9	159
6	Cross-coupling Reactions of Organoboranes: An Easy Method for C-C Bonding. <i>Chemistry Letters</i> , 2011, 40, 894-901.	1.3	147
7	Me-BIPAM for Enantioselective Ruthenium(II)-Catalyzed Arylation of Aldehydes with Arylboronic Acids. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4414-4416.	13.8	131
8	Enantioselective 1,4-Addition of Ar_3Bi , $[\text{ArBF}_3]\text{K}$, and ArSiF_3 to Enones Catalyzed by a Dicationic Palladium(II)-Chiraphos or -Dipamp Complex. <i>Organometallics</i> , 2005, 24, 5025-5032.	2.3	103
9	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.	2.3	102
10	Palladium(II)-Catalyzed 1,4-Addition of Arylboronic Acids to α,β -Arylenones for Enantioselective Synthesis of 4-Aryl-4-H-chromenes. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1759-1764.	4.3	94
11	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.	3.2	84
12	An N-Linked Bidentate Phosphoramidite Ligand (N-Me-BIPAM) for Rhodium-Catalyzed Asymmetric Addition of Arylboronic Acids to N-Sulfonylaryldimines. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 260-270.	4.3	82
13	Cationic Iridium/S-Me-BIPAM-Catalyzed Direct Asymmetric Intermolecular Hydroarylation of Bicycloalkenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9894-9897.	13.8	81
14	β -Selective Cross-Coupling Reactions of Potassium Allyltrifluoroborates with Haloarenes Catalyzed by a Pd(0)/D-BPF or Pd(0)/Josiphos ((<i>R,S</i>)-CyPF-Bu) Complex: Mechanistic Studies on Transmetalation and Enantioselection. <i>Organometallics</i> , 2009, 28, 152-160.	2.3	79
15	A Regio- and Stereoselective Platinum(0)-Catalyzed Hydroboration of Allenes Controlled by Phosphine Ligands. <i>Chemistry Letters</i> , 1999, 28, 1069-1070.	1.3	72
16	Enantioselective 1,4-addition of arylboronic acids to α,β -unsaturated carbonyl compounds catalyzed by rhodium(I)-chiral phosphoramidite complexes. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 428-435.	1.8	70
17	Stereoselective Synthesis of Silyl Enol Ethers via the Iridium-Catalyzed Isomerization of Allyl Silyl Ethers. <i>Organometallics</i> , 1999, 18, 413-416.	2.3	69
18	1,4-Additions of arylboron, -silicon, and -bismuth compounds to α,β -unsaturated carbonyl compounds catalyzed by dicationic palladium(II) complexes. <i>Pure and Applied Chemistry</i> , 2008, 80, 807-817.	1.9	64

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19	Synthesis of Acylborons by Ozonolysis of Alkenylboronates: Preparation of an Enantioenriched Amino Acid Acylboronate. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13847-13851.	13.8	64
20	Ru/Me-BIPAM-Catalyzed Asymmetric Addition of Arylboronic Acids to Aliphatic Aldehydes and β -Ketoesters. <i>Molecules</i> , 2011, 16, 5020-5034.	3.8	60
21	β -Selective Cross-coupling of Potassium Allyltrifluoroborates with Aryl and 1-Alkenyl Bromides Catalyzed by a Pd(OAc) ₂ /D-t-BPF Complex. <i>Chemistry Letters</i> , 2006, 35, 704-705.	1.3	59
22	An N-Linked Bidentate Phosphoramidite Ligand (N-Me-BIPAM) for Rhodium-Catalyzed Asymmetric 1,4-Addition of Arylboronic Acids to β,β -Unsaturated Ketones. <i>Molecules</i> , 2013, 18, 14-26.	3.8	59
23	Aryl Triolborates: Novel Reagent for Copper-Catalyzed N-Arylation of Amines, Anilines, and Imidazoles. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1517-1522.	3.3	57
24	1,4-Addition of arylboronic acids to β -aryl- β -unsaturated ketones and esters catalyzed by a rhodium(I)-chiraphos complex for catalytic and enantioselective synthesis of selective endothelin A receptor antagonists. <i>Tetrahedron</i> , 2006, 62, 9610-9621.	1.9	56
25	Palladium(II)-catalyzed 1,4-addition of arylboronic acids to β -arylenals for enantioselective syntheses of 3,3-diarylalkanal: a short synthesis of (+)-(R)-CDP 840. <i>Tetrahedron Letters</i> , 2007, 48, 4007-4010.	1.4	56
26	Asymmetric 1,4-Addition of Potassium Aryltrifluoroborates [ArBF ₃]K to Enones Catalyzed by Dicationic Palladium(II) Complexes. <i>Chemistry Letters</i> , 2005, 34, 720-721.	1.3	53
27	Asymmetric Cross-coupling of Potassium 2-Butenyltrifluoroborates with Aryl and 1-Alkenyl Bromides Catalyzed by a Pd(OAc) ₂ /Josiphos Complex. <i>Chemistry Letters</i> , 2006, 35, 1368-1369.	1.3	49
28	Tetrabutylammonium 2-Pyridyltriolborate Salts for Suzuki-Miyaura Cross-Coupling Reactions with Aryl Chlorides. <i>Organic Letters</i> , 2013, 15, 4308-4311.	4.6	48
29	Asymmetric 1,4-addition of triarylboronates to enones catalyzed by dicationic palladium(ii) complexes. <i>Chemical Communications</i> , 2004, , 1822.	4.1	47
30	Cationic Ir/Me-BIPAM-Catalyzed Asymmetric Intramolecular Direct Hydroarylation of β -Ketoamides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2658-2661.	13.8	47
31	1,4-Addition of Arylsiloxanes to Enones Catalyzed by Dicationic Palladium(II) Complexes in Aqueous Media. <i>Chemistry Letters</i> , 2003, 32, 752-753.	1.3	45
32	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.	4.1	43
33	Synthesis of B-trisubstituted borazines via the rhodium-catalyzed hydroboration of alkenes with N,N,N ³ -trimethyl or N,N,N ³ -triethylborazine. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4909-4917.	1.8	41
34	Practical synthesis of pinacolborane for one-pot synthesis of unsymmetrical biaryls via aromatic C-H borylation-cross-coupling sequence. <i>Tetrahedron</i> , 2008, 64, 4967-4971.	1.9	41
35	A stereoselective synthesis of 3,3-disubstituted allylborane derivatives using haloboration reaction and their application for the diastereospecific synthesis of homoallylic alcohols having quaternary carbon. <i>Tetrahedron Letters</i> , 1993, 34, 7071-7074.	1.4	40
36	Intramolecular allylboration of β -(β -formylalkoxy)allylboronates for syntheses of trans- or cis-2-(ethenyl)tetrahydropyran-3-ol and 2-(ethenyl)oxepan-3-ol. <i>Tetrahedron</i> , 2003, 59, 537-542.	1.9	40

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37	Chiral Bis-phosphoramidites Based on Linked-BINOL for Rhodium-catalyzed 1,4-Addition of Arylboronic Acids to $\hat{1}\pm, \hat{1}^2$ -Unsaturated Carbonyl Compounds. <i>Chemistry Letters</i> , 2005, 34, 1224-1225.	1.3	39
38	Asymmetric addition of arylboronic acids to glyoxylate catalyzed by a ruthenium/Me-BIPAM complex. <i>Chemical Communications</i> , 2012, 48, 2803.	4.1	38
39	Rhodium(I)- or Palladium(II)-Catalyzed 1,4-Additions of Organoboron, -silicon and -bismuth Compounds to Electron-deficient Alkenes. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2006, 64, 1112-1121.	0.1	37
40	Pd/Josiphos-Catalyzed Enantioselective $\hat{1}\pm$ -Arylation of Silyl Ketene Acetals and Mechanistic Studies on Transmetalation and Enantioselection. <i>Organometallics</i> , 2011, 30, 6323-6327.	2.3	37
41	Asymmetric 1,4-Addition of Arylboronic Acids to $\hat{1}\pm, \hat{1}^2$ -Unsaturated <i>N</i> -Acylamides Catalyzed by Dicationic Palladium(II)- <i>S,S</i> -Chiraphos Complex. <i>Chemistry Letters</i> , 2007, 36, 1442-1443.	1.3	36
42	Me-BIPAM for the Synthesis of Optically Active 3-Aryl- β -Hydroxy- α -Oxindoles by Ruthenium-Catalyzed Addition of Arylboronic Acids to Isatins. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2446-2449.	3.3	36
43	A chiral bidentate phosphoramidite (Me-BIPAM) for Rh-catalyzed asymmetric hydrogenation of $\hat{1}\pm$ -dehydroamino esters, enamides, and dimethyl itaconate. <i>Tetrahedron Letters</i> , 2009, 50, 3158-3160.	1.4	30
44	Enantioselective addition of arylboronic acids to methyl 2-formylbenzoates by using a ruthenium/Me-BIPAM catalyst for synthesis of chiral 3-aryl-isobenzofuranones. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10874-10880.	2.8	29
45	Synthesis of Pinacol Allylic Boronic Esters via Olefin Cross-Metathesis between Pinacol Allylboronate and Terminal or Internal Alkenes. <i>Synlett</i> , 2002, 2002, 0128-0130.	1.8	28
46	Enantioselective Synthesis of Arylglycine Derivatives by Asymmetric Addition of Arylboronic Acids to Imines. <i>Australian Journal of Chemistry</i> , 2011, 64, 1447.	0.9	28
47	Rhodium-Catalyzed 1,4-Addition of Lithium β -Furyltriolborates to Unsaturated Ketones and Esters for Enantioselective Synthesis of $\hat{1}^3$ -Oxo-Carboxylic Acids By Oxidation of the Furyl Ring with Ozone. <i>Chemistry - an Asian Journal</i> , 2011, 6, 932-937.	3.3	28
48	Preparation of h-BN nano-tubes, -bamboos, and -fibers from borazine oligomer with alumina porous template. <i>Materials Research Bulletin</i> , 2008, 43, 251-256.	5.2	24
49	Stepwise Palladium-Catalyzed 1,4-Addition of Arylboronic Acids to Enones and Regioselective Baeyer-Villiger Oxidation for Enantioselective Synthesis of $\hat{1}^2$ -Diaryl Esters and (+)- <i>R</i> -Tolterodine. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 1019-1025.	3.2	24
50	Scope and Mechanistic Studies of the Cationic Ir/Me-BIPAM-Catalyzed Asymmetric Intramolecular Direct Hydroarylation Reaction. <i>Organometallics</i> , 2015, 34, 3459-3463.	2.3	24
51	Stereoselective Isomerization of Unsymmetrical Diallyl Ethers to Allyl (<i>E</i>)-Vinyl Ethers by a Cationic Iridium Catalyst. <i>Synthetic Communications</i> , 2000, 30, 2383-2391.	2.1	23
52	Double-coupling of dibromo arenes with aryltriolborates for synthesis of diaryl-substituted planar frameworks. <i>Tetrahedron</i> , 2011, 67, 6804-6811.	1.9	23
53	Effect of Ambient Gas and Temperature on Crystallization of Boron Nitride Spheres Prepared by Vapor Phase Pyrolysis of Ammonia Borane. <i>Journal of the American Ceramic Society</i> , 2009, 92, 787-792.	3.8	21
54	Cyclic Triolborate Salts: Novel Reagent for Organic Synthesis. <i>Heterocycles</i> , 2012, 85, 799.	0.7	21

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55	Rhodium-Catalyzed Enantioselective Arylation of Aliphatic Imines. <i>Chemistry - A European Journal</i> , 2016, 22, 7739-7742.	3.3	21
56	Palladium-Catalyzed Cross-Coupling Reaction of Heteroaryltriolborates with Aryl Halides for Synthesis of Biaryls. <i>Heterocycles</i> , 2010, 80, 359.	0.7	20
57	Research activities on nuclear reactor physics and thermal-hydraulics in Japan after Fukushima-Daiichi accident. <i>Journal of Nuclear Science and Technology</i> , 2018, 55, 575-598.	1.3	20
58	Enantioselective Synthesis of Quaternary Carbon in Homoallylic Alcohols by the Reaction of Tartrate Ester Derivatives of 3,3-Disubstituted Allylborane with Aldehydes. <i>Synlett</i> , 1996, 1996, 883-884.	1.8	19
59	Synthesis of Functionalized Allylsilicone Compounds via Rhodium-Catalyzed Conjugate Addition of (E)- or (Z)-[3-Trimethylsilyl-1-propenyl]boronic Acids to Enones. <i>Synlett</i> , 2002, 2002, 0767-0768.	1.8	19
60	Iridium-Catalyzed Direct Asymmetric Alkylation of Aniline Derivatives using 2-Norbornene. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1054-1056.	2.7	16
61	Suzuki-Miyaura catalyst-transfer polycondensation of triolborate-type fluorene monomer: toward rapid access to polyfluorene-containing block and graft copolymers from various macroinitiators. <i>Polymer Chemistry</i> , 2020, 11, 6832-6839.	3.9	15
62	Direct Conversion of Pinacol Arylboronic Esters to Aryl Triolborates. <i>Chemistry Letters</i> , 2011, 40, 702-704.	1.3	12
63	Synthesis of Tetra-ortho-Substituted Biaryls Using Aryltriolborates. <i>Synlett</i> , 2011, 2011, 1769-1773.	1.8	12
64	Cross-Coupling Reaction with Lithium Methyltriolborate. <i>Molecules</i> , 2013, 18, 430-439.	3.8	11
65	Rhodium-Catalyzed Asymmetric 1,4-Addition of Heteroaryl Cyclic Triolborate to α,β -Unsaturated Carbonyl Compounds. <i>Synlett</i> , 2009, 2009, 994-998.	1.8	10
66	Ruthenium-Me-BIPAM-catalyzed addition reaction of aryl-boronic acids to benzofuran-2,3-diones for the enantioselective synthesis of 3-aryl-3-hydroxybenzofuran-2-ones. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 1430-1435.	1.8	10
67	Stereoselective Construction of Spiro-Fused Tricyclic Frameworks by Sequential Reaction of Enynes, Imines, and Diazoalkenes with Rh(I) and Rh(II) Catalysts. <i>Journal of Organic Chemistry</i> , 2016, 81, 7847-7854.	3.2	10
68	The Asymmetric Synthesis of 2-Bromohomoallylic Alcohols Using the Tartrate Ester of (2-Bromoallyl)boronic Acid Prepared by Bromoboration Reaction of Allene. <i>Synlett</i> , 1994, 1994, 639-640.	1.8	9
69	Asymmetric 1,4-Addition of Arylboronic Acids to α,β -Unsaturated Esters Catalyzed by Dicationic Palladium(II)-Chiraphos Complex for Short-Step Synthesis of SmithKline Beecham's Endothelin Receptor Antagonist. <i>Synlett</i> , 2008, 2008, 2487-2490.	1.8	9
70	Highly Ordered Boron Nitride Nanotube Arrays with Controllable Texture from Ammonia Borane by Template-Aided Vapor-Phase Pyrolysis. <i>Journal of Nanomaterials</i> , 2008, 2008, 1-7.	2.7	8
71	Synthesis of Boron Nitride Nanotubes Using Plasma-Assisted CVD Catalyzed by Cu Nanoparticles and Oxygen. <i>Nanomaterials</i> , 2021, 11, 651.	4.1	8
72	Metal-Catalyzed Reactions of Organoboron Compounds in Organic Syntheses. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2008, 66, 194-204.	0.1	6

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73	Decarbonylation through Aldehydic C-H Bond Cleavage by a Cationic Iridium Catalyst. <i>Synlett</i> , 2019, 30, 972-976.	1.8	6
74	A molten metal jet impingement on a flat spreading surface. <i>Journal of Nuclear Science and Technology</i> , 2020, 57, 1111-1120.	1.3	6
75	Enantioselective Synthesis of Ipsenol and Ipsdienol Using a (2-Bromoallyl)borane Derivative. <i>Synthetic Communications</i> , 1997, 27, 1029-1036.	2.1	5
76	Cationic Iridium/Chiral Bisphosphine-Catalyzed Enantioselective Hydroacylation of Ketones. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1858-1862.	3.3	5
77	SYNTHESIS OF LITHIUM 2-PYRIDYLTRIOLBORATE AND ITS CROSS-COUPPLING REACTION WITH ARYL HALIDES. <i>Organic Syntheses</i> , 2011, 88, 79.	1.0	5
78	Cationic Iridium-Catalyzed Asymmetric Decarbonylative Aryl Addition of Aromatic Aldehydes to Bicyclic Alkenes. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	5
79	Tandem Conjugate Addition-Aldol Cyclization to give Optically Active 1-Aryl-1 <i>H</i> -indenes via Asymmetric Pd ²⁺ -Catalyzed 1,4-Addition of Aryl-boronic Acids. <i>Synlett</i> , 2007, 2007, 3055-3057.	1.8	3
80	Suzuki-Miyaura Catalyst-Transfer Polycondensation of Triolborate-Type Carbazole Monomers. <i>Polymers</i> , 2021, 13, 4168.	4.5	3
81	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
82	Asymmetric Hydroarylation of Unsaturated Bond via C-H Functionalization by Cationic Iridium/Bisphosphoramidite Catalyst. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 604-614.	0.1	2
83	Asymmetric Addition Reactions of Organoboron Compounds Using Bidentate Phosphoramidite Ligand. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2013, 71, 716-727.	0.1	2
84	Cationic Iridium/Chiral Bidentate Phosphoramidite Catalyzed Asymmetric Hydroarylation. <i>Synthesis</i> , 0, .	2.3	2
85	Preparation and Characterization of BN Nanotubes with Controllable Sizes by Template-aided Synthesis. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1081, 1.	0.1	1
86	Intramolecular Allylboration of β -(<i>l</i> -Formylalkoxy)allylboronates for Syntheses of trans- or cis-2-(Ethenyl)tetrahydropyran-3-ol and 2-(Ethenyl)oxepan-3-ol. <i>ChemInform</i> , 2003, 34, no.	0.0	0
87	Conjugate Addition of Aryl Boronic Acids to Enones Catalyzed by Cationic Palladium(II)-Phosphane Complexes. <i>ChemInform</i> , 2003, 34, no.	0.0	0
88	1,4-Addition of Arylsiloxanes to Enones Catalyzed by Dicationic Palladium(II) Complexes in Aqueous Media. <i>ChemInform</i> , 2003, 34, no.	0.0	0
89	Asymmetric 1,4-Addition of Triarylbismuths to Enones Catalyzed by Dicationic Palladium(II) Complexes. <i>ChemInform</i> , 2005, 36, no.	0.0	0
90	Asymmetric 1,4-Addition of Potassium Aryltrifluoroborates [ArBF ₃]K to Enones Catalyzed by Dicationic Palladium(II) Complexes. <i>ChemInform</i> , 2005, 36, no.	0.0	0

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91	Enantioselective 1,4-Addition of Ar ₃ Bi, [ArBF ₃]K, and ArSiF ₃ to Enones Catalyzed by a Dicationic Palladium(II)â€”Chiraphos or â€”Dipamp Complex.. ChemInform, 2006, 37, no.	0.0	0
92	Chiral Bis-phosphoramidites Based on Linked-BINOL for Rhodium-Catalyzed 1,4-Addition of Arylboronic Acids to Î±,Î²-Unsaturated Carbonyl Compounds.. ChemInform, 2006, 37, no.	0.0	0
93	Diastereo- and Enantioselective Intramolecular 1,6-Câ€”H Insertion Reaction of Diaryldiazomethanes Catalyzed by Chiral Dirhodium(II) Carboxylates. Heterocycles, 2021, 103, 1078.	0.7	0
94	Transition-metal-catalyzed Reactions of Cyclic Triolborate Salts. , 2018, , 157-200.		0
95	Cationic Iridiumâ€”Catalyzed Asymmetric Decarbonylative Aryl Addition of Aromatic Aldehydes to Bicyclic Alkenes. Chemistry - A European Journal, 2022, 28, e202200317.	3.3	0