Ryo Shintani

List of Publications by Year
in descending order

101 papers	7,704 citations	34016 52 h-index	53109 85 g-index
114 all docs	114 docs citations	114 times ranked	3619 citing authors

#	Article	IF	Citations
1	C2-Symmetric Bicyclo[2.2.2]octadienes as Chiral Ligands:Â Their High Performance in Rhodium-Catalyzed Asymmetric Arylation ofN-Tosylarylimines. Journal of the American Chemical Society, 2004, 126, 13584-13585.	6.6	407
2	Rhodium-Catalyzed Asymmetric Addition of Aryl- and Alkenylboronic Acids to Isatins. Angewandte Chemie - International Edition, 2006, 45, 3353-3356.	7.2	298
3	Chiral Phosphine-Olefin Bidentate Ligands in Asymmetric Catalysis: Rhodium-Catalyzed Asymmetric 1,4-Addition of Aryl Boronic Acids to Maleimides. Angewandte Chemie - International Edition, 2005, 44, 4611-4614.	7.2	241
4	Catalytic Asymmetric Arylative Cyclization of Alkynals:Â Phosphine-Free Rhodium/Diene Complexes as Efficient Catalysts. Journal of the American Chemical Society, 2005, 127, 54-55.	6.6	222
5	Palladium-Catalyzed Asymmetric Synthesis of Silicon-Stereogenic Dibenzosiloles via Enantioselective Câ€“H Bond Functionalization. Journal of the American Chemical Society, 2012, 134, 7305-7308.	6.6	213
6	Rhodium-Catalyzed Asymmetric Construction of Quaternary Carbon Stereocenters:Â Ligand-Dependent Regiocontrol in the 1,4-Addition to Substituted Maleimides. Journal of the American Chemical Society, 2006, 128, 5628-5629.	6.6	210
7	Î³-Methylidene-Î´-valerolactones as a Coupling Partner for Cycloaddition:â€‰ Palladium-Catalyzed [4 + 3] Cycloaddition with Nitrones. Journal of the American Chemical Society, 2007, 129, 12356-12357.	6.6	169
8	Sodium Tetraarylborates as Effective Nucleophiles in Rhodium/Diene-Catalyzed 1,4-Addition to Î²,Î²-Disubstituted Î±,Î²-Unsaturated Ketones: Catalytic Asymmetric Construction of Quaternary Carbon Stereocenters. Journal of the American Chemical Society, 2009, 131, 13588-13589.	6.6	166
9	Chiral Norbornadienes as Efficient Ligands for the Rhodium-Catalyzed Asymmetric 1,4-Addition of Arylboronic Acids to Fumaric and Maleic Compounds. Organic Letters, 2004, 6, 3425-3427.	2.4	162
10	Palladium-Catalyzed [3 + 3] Cycloaddition of Trimethylenemethane with Azomethine Imines. Journal of the American Chemical Society, 2006, 128, 6330-6331.	6.6	162
11	Palladium-Catalyzed Enantioselective Desymmetrization of Silacyclobutanes: Construction of Silacycles Possessing a Tetraorganosilicon Stereocenter. Journal of the American Chemical Society, 2011, 133, 16440-16443.	6.6	162
12	Copperâ€Catalyzed Asymmetric Allylic Substitution of Allyl Phosphates with Arylâ€•and Alkenylboronates. Angewandte Chemie - International Edition, 2011, 50, 8656-8659.	7.2	153
13	Copper-Catalyzed Hydroboration of Carbon Dioxide. Organometallics, 2013, 32, 2459-2462.	1.1	147
14	Rhodium-Catalyzed Asymmetric Arylation of N-Tosyl Ketimines. Journal of the American Chemical Society, 2010, 132, 13168-13169.	6.6	141
15	Rhodiumâ€Catalyzed Asymmetric Synthesis of Spirocarbocycles: Arylboron Reagents as Surrogates of 1,2â€Dimetalloarenes. Angewandte Chemie - International Edition, 2010, 49, 3795-3798.	7.2	128
16	A New Entry of Nucleophiles in Rhodium-Catalyzed Asymmetric 1,4-Addition Reactions:Â Addition of Organozinc Reagents for the Synthesis of 2-Aryl-4-piperidones. Journal of the American Chemical Society, 2004, 126, 6240-6241.	6.6	127
17	Highly Chemo- and Enantioselective Arylative Cyclization of Alkyne-Tethered Electron-Deficient Olefins Catalyzed by Rhodium Complexes with Chiral Dienes. Angewandte Chemie - International Edition, 2005, 44, 3909-3912.	7.2	126
18	Stereoselective Synthesis of Spirooxindoles by Palladium-Catalyzed Decarboxylative Cyclization of Î³-Methylidene-Î´-valerolactones with Isatins. Organic Letters, 2009, 11, 3754-3756.	2.4	118

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19	Palladium-Catalyzed Asymmetric Decarboxylative Lactamization of Î³-Methylidene-Î´-valerolactones with Isocyanates: Conversion of Racemic Lactones to Enantioenriched Lactams. Journal of the American Chemical Society, 2008, 130, 16174-16175.	6.6	114
20	Rhodium-Catalyzed Isomerization of Î±-Arylpropargyl Alcohols to Indanones:Â Involvement of an Unexpected Reaction Cascade. Journal of the American Chemical Society, 2005, 127, 2872-2873.	6.6	113
21	Carbonâ^'Carbon Bond-Forming Enantioselective Synthesis of Chiral Organosilicon Compounds by Rhodium/Chiral Diene-Catalyzed Asymmetric 1,4-Addition Reaction. Organic Letters, 2005, 7, 4757-4759.	2.4	111
22	Rhodium-Catalyzed Asymmetric Addition of Potassium Organotrifluoroborates to N-Sulfonyl Ketimines. Organic Letters, 2011, 13, 2977-2979.	2.4	104
23	Palladium-Catalyzed Desymmetrization of Silacyclobutanes with Alkynes: Enantioselective Synthesis of Silicon-Stereogenic 1-Sila-2-cyclohexenes and Mechanistic Considerations. Organic Letters, 2012, 14, 2902-2905.	2.4	104
24	Rhodium-Catalyzed Asymmetric Synthesis of Silicon-Stereogenic Dibenzooxasilines via Enantioselective Transmetalation. Journal of the American Chemical Society, 2012, 134, 16955-16958.	6.6	103
25	Recent Advances in the Transitionâ€Metalâ€Catalyzed Enantioselective Synthesis of Siliconâ€Stereogenic Organosilanes. Asian Journal of Organic Chemistry, 2015, 4, 510-514.	1.3	102
26	Rhodiumâ€Catalyzed Asymmetric Synthesis of Siliconâ€Stereogenic Dibenzosiloles by Enantioselective [2+2+2] Cycloaddition. Angewandte Chemie - International Edition, 2015, 54, 1616-1620.	7.2	102
27	Rhodium-Catalyzed Multicomponent-Coupling Reactions Involving a Carborhodationâ^'Cross-Coupling Sequence. Organic Letters, 2006, 8, 4799-4801.	2.4	95
28	Chiral Tetrafluorobenzobarrelenes as Effective Ligands for Rhodiumâ€Catalyzed Asymmetric 1,4â€Addition of Arylboroxines to Î²,Î²â€Disubstituted Î±,Î²â€Unsaturated Ketones. Angewandte Chemie - International Edition, 2010, 49, 3969-3971.	7.2	95
29	Rhodiumâ€Catalyzed Asymmetric [5+2] Cycloaddition of Alkyneâ€"Vinylcyclopropanes. Chemistry - A European Journal, 2009, 15, 8692-8694.	1.7	90
30	Rhodium/diene-catalyzed asymmetric 1,4-addition of arylboronic acids to Î±,Î²-unsaturated Weinreb amides. Chemical Communications, 2005, , 3213.	2.2	89
31	Palladium-Catalyzed Synthesis of Spiro[2.4]heptanes:â€‰ Ligand-Dependent Position Control in the Nucleophilic Attack to a Ï€-Allylpalladium Intermediate. Journal of the American Chemical Society, 2007, 129, 14866-14867.	6.6	87
32	Rhodium-Catalyzed Asymmetric Synthesis of 3,3-Disubstituted 1-Indanones. Angewandte Chemie - International Edition, 2007, 46, 3735-3737.	7.2	87
33	Palladium-Catalyzed Asymmetric [3+3]â€...Cycloaddition of Trimethylenemethane Derivatives with Nitrones. Angewandte Chemie - International Edition, 2007, 46, 5901-5903.	7.2	87
34	Copper-catalyzed asymmetric addition of arylboronates to isatins: a catalytic cycle involving alkoxocopper intermediates. Chemical Communications, 2010, 46, 6822.	2.2	87
35	Catalytic Asymmetric Synthesis of Allylsilanes through Rhodium/Chiral Diene-Catalyzed 1,4-Addition of Alkenyl[2-(hydroxymethyl)phenyl]dimethylsilanes. Organic Letters, 2007, 9, 4643-4645.	2.4	85
36	A Cationic Rhodiumâ€"Chiral Diene Complex as a Highâ€Performance Catalyst for the Intramolecular Asymmetric [4+2] Cycloaddition of Alkyneâ€1,3â€Dienes. Angewandte Chemie - International Edition, 2007, 46, 7277-7280.	7.2	85

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37	Palladium-Catalyzed Decarboxylative [4 + 3] Cyclization of Î³-Methylidene-Î´-valerolactones with 1,1-Dicyanocyclopropanes. Organic Letters, 2009, 11, 5642-5645.	2.4	84
38	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. Chemical Science, 2012, 3, 1278.	3.7	83
39	Rhodium-Catalyzed Kinetic Resolution of Tertiary Homoallyl Alcohols via Stereoselective Carbonâ^'Carbon Bond Cleavage. Organic Letters, 2008, 10, 1191-1193.	2.4	82
40	Palladiumâ€Catalyzed Asymmetric Synthesis of Siliconâ€Stereogenic 5,10â€Dihydrophenazasilines via Enantioselective 1,5â€Palladium Migration. Angewandte Chemie - International Edition, 2017, 56, 9211-9216.	7.2	80
41	Asymmetric Synthesis of 2-Aryl-2,3-dihydro-4-quinolones by Rhodium-Catalyzed 1,4-Addition of Arylzinc Reagents in the Presence of Chlorotrimethylsilane. Organic Letters, 2005, 7, 5317-5319.	2.4	78
42	Rhodiumâ€Catalyzed Rearrangement of Aryl Bis(alkynyl) Carbinols to 3â€Alkynylâ€1â€indanones. Angewandte Chemie - International Edition, 2008, 47, 1447-1449.	7.2	78
43	Recent Progress in Catalytic Enantioselective Desymmetrization of Prochiral Organosilanes for the Synthesis of Silicon-Stereogenic Compounds. Synlett, 2018, 29, 388-396.	1.0	77
44	Rhodium-Catalyzed Asymmetric Synthesis of Indanones:â€‰ Development of a New â€œAxially Chiralâ€• Bisphosphine Ligand. Journal of the American Chemical Society, 2006, 128, 2772-2773.	6.6	74
45	Mechanistic Investigation of the Palladium-Catalyzed Decarboxylative Cyclization of Î³-Methylidene-Î´-valerolactones with Isocyanates: Kinetic Studies and Origin of the Site Selectivity in the Nucleophilic Attack at a (Ï€-Allyl)palladium. Journal of the American Chemical Society, 2010, 132, 7508-7513.	6.6	73
46	Rhodium-Catalyzed Asymmetric 1,4-Addition of Sodium Tetraarylborates to Î²,Î²-Disubstituted Î±,Î²-Unsaturated Esters. Organic Letters, 2011, 13, 350-352.	2.4	73
47	Rhodium-Catalyzed Addition of Arylzinc Reagents to Aryl Alkynyl Ketones:â€‰ Synthesis of Î²,Î²-Disubstituted Indanones. Organic Letters, 2005, 7, 2071-2073.	2.4	72
48	Guiding the nitrogen nucleophile to the middle: palladium-catalyzed decarboxylative cyclopropanation of 2-alkylidenetrimethylene carbonates with isocyanates. Chemical Communications, 2011, 47, 3057.	2.2	71
49	Synthesis and Isolation of a Kinetically Stabilized Crystalline Triangulene. Journal of the American Chemical Society, 2021, 143, 19599-19605.	6.6	65
50	Tuning the Chiral Environment of C₂-Symmetric Diene Ligands: Development of 3,7-Disubstituted Bicyclo[3.3.1]nona-2,6-dienes. Journal of Organic Chemistry, 2009, 74, 869-873.	1.7	61
51	Design and synthesis of new chiral phosphorusâ€“olefin bidentate ligands and their use in the rhodium-catalyzed asymmetric addition of organoboroxines to N-sulfonyl imines. Chemical Communications, 2011, 47, 6123.	2.2	51
52	Rhodium-catalyzed intramolecular alkynylsilylation of alkynes. Chemical Communications, 2015, 51, 11378-11381.	2.2	50
53	Rhodium-Catalyzed Polymerization of 3,3-Diarylcyclopropenes Involving a 1,4-Rhodium Migration. Journal of the American Chemical Society, 2014, 136, 7849-7852.	6.6	49
54	Rhodium-catalyzed asymmetric synthesis of silicon-stereogenic silicon-bridged arylpyridinones. Chemical Science, 2016, 7, 1205-1211.	3.7	49

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55	Rhodiumâ€Catalyzed Synthesis and Optical Properties of Siliconâ€Bridged Arylpyridines. Chemistry - A European Journal, 2017, 23, 2660-2665.	1.7	47
56	Rhodium-Catalyzed Asymmetric Arylation of Azomethine Imines. Organic Letters, 2010, 12, 4106-4109.	2.4	46
57	Stereoselective Synthesis of Nipecotic Acid Derivatives via Palladium-Catalyzed Decarboxylative Cyclization of Î³-Methylidene-Î´-valerolactones with Imines. Organic Letters, 2009, 11, 457-459.	2.4	45
58	Selective synthesis of unsymmetric dibenzo[a,e]pentalenes by a rhodium-catalysed stitching reaction. Chemical Science, 2017, 8, 101-107.	3.7	43
59	Intermolecular Three-Component Arylsilylation of Alkynes under Palladium/Copper Cooperative Catalysis. Journal of Organic Chemistry, 2016, 81, 3065-3069.	1.7	42
60	Recent Progress in Copper-Catalyzed Asymmetric Allylic Substitution Reactions Using Organoboron Nucleophiles. Synthesis, 2016, 48, 1087-1100.	1.2	38
61	Synthesis of Nine-Membered Azlactones by Palladium-Catalyzed Ring-Expansion of Î³-Methylidene-Î´-valerolactones with Aziridines. Journal of Organic Chemistry, 2011, 76, 4776-4780.	1.7	35
62	Synthesis and Isolation of a KekulÃ© Hydrocarbon with a Triplet Ground State. Angewandte Chemie - International Edition, 2022, 61, .	7.2	34
63	Palladium-Catalyzed Synthesis of 4-Oxaspiro[2.4]heptanes via Central Attack of Oxygen Nucleophiles to Ï€-Allylpalladium Intermediates. Organic Letters, 2012, 14, 2410-2413.	2.4	32
64	Rhodium-catalyzed isomerization of unactivated alkynes to 1,3-dienes. Chemical Communications, 2006, , 3646.	2.2	31
65	Silylative Cyclopropanation of Allyl Phosphates with Silylboronates. Angewandte Chemie - International Edition, 2014, 53, 6546-6549.	7.2	31
66	Palladiumâ€Catalyzed Asymmetric Synthesis of Siliconâ€Stereogenic 5,10â€Dihydrophenazasilines via Enantioselective 1,5â€Palladium Migration. Angewandte Chemie, 2017, 129, 9339-9344.	1.6	31
67	Rhodium-Catalyzed Stitching Reaction: Convergent Synthesis of Quinoidal Fused Oligosiloles. Journal of the American Chemical Society, 2016, 138, 3635-3638.	6.6	29
68	Palladium-catalyzed asymmetric synthesis of 2-pyrrolidinones with a quaternary carbon stereocenter. Chemical Communications, 2012, 48, 9936.	2.2	28
69	Palladium-Catalyzed Synthesis of Dibenzosilepin Derivatives via 1,n-Palladium Migration Coupled with anti-Carbopalladation of Alkyne. Journal of the American Chemical Society, 2021, 143, 1641-1650.	6.6	28
70	Î³-Methylidene-Î´-valerolactones: New Reagents for Palladium-Catalyzed Intermolecular Cyclization Reactions. Bulletin of the Chemical Society of Japan, 2012, 85, 931-939.	2.0	25
71	Palladiumâ€Catalyzed Synthesis of Benzophenanthrosilines by Câ^'H/Câ^'H Coupling through 1,4â€Palladium Migration/Alkene Stereoisomerization. Angewandte Chemie - International Edition, 2020, 59, 8057-8061.	7.2	25
72	Synthesis of Quinoidal Fused Oligosiloles by Rhodium-Catalyzed Stitching Reaction and Theoretical Investigation of Their Properties. Journal of the American Chemical Society, 2017, 139, 3861-3867.	6.6	23

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73	Azoniadibenzo[a,j]phenalenide: A Polycyclic Zwitterion with Singlet Biradical Character. Angewandte Chemie - International Edition, 2019, 58, 6415-6419.	7.2	21
74	Palladium-catalyzed intramolecular decarboxylative allylic arylation of Î±-aryl-Î³-methylidene-Î´-valerolactones. Chemical Communications, 2010, 46, 1697.	2.2	19
75	Palladiumâ€Catalyzed Intramolecular Câ^'H Arylation versus 1,5â€Palladium Migration: A Theoretical Investigation. Chemistry - an Asian Journal, 2018, 13, 2566-2572.	1.7	19
76	Î³-Methylidene-Î´-valerolactones as a coupling partner for cycloaddition: Palladium-catalyzed [4+3] cycloaddition with nitrones. Pure and Applied Chemistry, 2008, 80, 1135-1140.	0.9	17
77	Catalytic Asymmetric Synthesis of Silicon-Stereogenic Compounds by Enantioselective Desymmetrization of Prochiral Tetraorganosilanes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2018, 76, 1163-1169.	0.0	13
78	Convergent Synthesis of Fluorene Derivatives by a Rhodiumâ€Catalyzed Stitching Reaction/Alkene Isomerization Sequence. Chemistry - A European Journal, 2019, 25, 7475-7479.	1.7	13
79	Single-molecule single-electron transistor (SM-SET) based on Ï€-conjugated quinoidal-fused oligosilole and heteroepitaxial spherical Au/Pt nanogap electrodes. Applied Physics Express, 2019, 12, 125007.	1.1	13
80	Rhodium-Catalyzed Synthesis of Silicon-Bridged 1,2-Dialkenylbenzenes via 1,4-Rhodium Migration. Organic Letters, 2019, 21, 1627-1631.	2.4	12
81	Rhodium-Catalyzed Stitching Polymerization of Alkynylsilylacetylenes. Journal of the American Chemical Society, 2021, 143, 19559-19566.	6.6	12
82	Intermolecular Three-Component Synthesis of Fluorene Derivatives by a Rhodium-Catalyzed Stitching Reaction/Remote Nucleophilic Substitution Sequence. Journal of Organic Chemistry, 2020, 85, 8489-8500.	1.7	11
83	Synthesis of carbonyl-bridged dibenzofulvalenes and related compounds by rhodium-catalyzed stitching reaction. Chemical Communications, 2019, 55, 1072-1075.	2.2	10
84	Rhodiumâ€Catalyzed Stitching Polymerization of 1,5â€Hexadiynes and Related Oligoalkynes. Angewandte Chemie - International Edition, 2019, 58, 5734-5738.	7.2	10
85	Structures and Physical Properties of Chemically Reduced Diindenosiloles and Their Ï€-Extended Derivatives. Organometallics, 2017, 36, 2646-2653.	1.1	9
86	Copperâ€Catalyzed Synthesis of Tetrasubstituted Alkenes via Regioâ€•and antiâ€Selective Addition of Silylboronates to Internal Alkynes. Chemistry - A European Journal, 2021, 27, 7512-7515.	1.7	9
87	Ligand Design for Cï£¿C Bond Formation. , 0, , 59-100.		7
88	Azoniadibenzo[a , j]phenalenide: A Polycyclic Zwitterion with Singlet Biradical Character. Angewandte Chemie, 2019, 131, 6481-6485.	1.6	7
89	Preparation of arylzinc reagents and their use in the rhodium-catalyzed asymmetric 1,4-addition for the synthesis of 2-aryl-4-piperidones. Nature Protocols, 2007, 2, 2903-2909.	5.5	5
90	Synthesis of 7H-Benzo[e]naphtho[1,8-bc]silines by Rhodium-catalyzed [2 + 2 + 2] Cycloaddition. Chemistry Letters, 2020, 49, 344-346.	0.7	4

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91	Synthesis and Isolation of a KekulÃ© Hydrocarbon with a Triplet Ground State. Angewandte Chemie, 0, , .	1.6	4
92	Palladiumâ€Catalyzed Synthesis of Benzophenanthrosilines by Câ^'H/Câ^'H Coupling through 1,4â€Palladium Migration/Alkene Stereoisomerization. Angewandte Chemie, 2020, 132, 8134-8138.	1.6	3
93	Facile and Convergent Synthesis of Highly Fused Oligosiloles by Rhodiumâ€Catalyzed Stitching Reaction. European Journal of Organic Chemistry, 2021, 2021, 4824-4827.	1.2	3
94	γ-Methylidene-δ-valerolactones: New Reagents for Palladium-catalyzed Intermolecular Cyclization Reactions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2010, 68, 834-844.	0.0	3
95	Anionic stitching polymerization of styryl(vinyl)silanes for the synthesis of sila-cyclic olefin polymers. Chemical Communications, 2022, 58, 5281-5284.	2.2	3
96	Rhodiumâ€Catalyzed Stitching Polymerization of 1,5â€Hexadiynes and Related Oligoalkynes. Angewandte Chemie, 2019, 131, 5790-5794.	1.6	2
97	Phosphinative cyclopropanation of allyl phosphates with lithium phosphides. Chemical Communications, 2020, 56, 11851-11854.	2.2	1
98	Anthracene-Based Zwitterion with a Small HOMOâ€"LUMO Energy Gap. Synthesis, 2021, 53, 4042-4047.	1.2	1
99	Frontispiece: Recent Advances in the Transition-Metal-Catalyzed Enantioselective Synthesis of Silicon-Stereogenic Organosilanes. Asian Journal of Organic Chemistry, 2015, 4, .	1.3	0
100	Rhodium-Catalyzed Stitching Reaction for the Facile Synthesis of Extended Ï€-Conjugated Compounds. Synthesis, 0, , .	1.2	0
101	Facile Synthesis of Extended Ï€-Conjugated Compounds by Rhodium-Catalyzed Stitching Reaction. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2022, 80, 431-439.	0.0	0