

Ryoichi Kuwano

List of Publications by Year in descending order

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papers

5,580
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147
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3242
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Asymmetric Hydrogenation of Arenes. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2021, 79, 1125-1135.	0.1	0
2	Economical and Readily Accessible Preparation of <i>o</i> -, <i>p</i> -Disubstituted Arylboronates through Palladium-Catalyzed Borylation of Haloarenes. <i>Organic Letters</i> , 2021, 23, 9649-9653.	4.6	4
3	Room-Temperature Benzylic Alkylation of Benzylic Carbonates: Improvement of Palladium Catalyst and Mechanistic Study. <i>Organic Process Research and Development</i> , 2019, 23, 1568-1579.	2.7	9
4	Asymmetric Hydrogenation of Aromatic Carbocycles. , 2019, , 97-108.		3
5	Ruthenium-Catalyzed Chemo- and Enantioselective Hydrogenation of Isoquinoline Carbocycles. <i>Journal of Organic Chemistry</i> , 2018, 83, 3829-3839.	3.2	33
6	Palladium-Catalyzed Decarboxylation of Benzyl Fluorobenzoates. <i>Synlett</i> , 2017, 28, 2573-2576.	1.8	7
7	Palladium-catalyzed Benzylic Substitution of Benzyl Carbonates with Phosphorus Nucleophiles. <i>Chemistry Letters</i> , 2017, 46, 1814-1817.	1.3	15
8	Asymmetric Hydrogenation of Azaindoles: Chemo- and Enantioselective Reduction of Fused Aromatic Ring Systems Consisting of Two Heteroarenes. <i>Angewandte Chemie</i> , 2016, 128, 12038-12041.	2.0	8
9	Asymmetric Hydrogenation of Azaindoles: Chemo- and Enantioselective Reduction of Fused Aromatic Ring Systems Consisting of Two Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11859-11862.	13.8	23
10	Asymmetric Hydrogenation of Isoxazolium Triflates with a Chiral Iridium Catalyst. <i>Chemistry - A European Journal</i> , 2016, 22, 8610-8618.	3.3	18
11	Catalytic Asymmetric Hydrogenation of Pyrimidines. <i>Angewandte Chemie</i> , 2015, 127, 2423-2426.	2.0	18
12	Catalytic Asymmetric Hydrogenation of Pyrimidines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2393-2396.	13.8	55
13	Catalytic asymmetric hydrogenation of quinoline carbocycles: unusual chemoselectivity in the hydrogenation of quinolines. <i>Chemical Communications</i> , 2015, 51, 7558-7561.	4.1	64
14	Catalytic Asymmetric Hydrogenation of Heteroarenes and Arenes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 715-719.	1.6	3
15	An Improvement of the Palladium-Catalyzed [4+2] Cycloaddition of <i>o</i> -(Silylmethyl)benzyl Carbonates with Alkenes. <i>Synlett</i> , 2014, 25, 2488-2492.	1.8	1
16	Unsymmetric indolylmaleimides: Synthesis, photophysical properties and amyloid detection. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 289, 39-46.	3.9	4
17	$\hat{\alpha}$ -Amination of Saturated Nitriles through Palladium-catalyzed Dehydrogenation, 1,4-Addition, and Re-dehydrogenation. <i>Chemistry Letters</i> , 2013, 42, 40-42.	1.3	11
18	Synthesis of 4-Quinolones through Nickel-Catalyzed Intramolecular Amination on the $\hat{\alpha}$ -Carbon of <i>o</i> -(<i>N</i> -Alkylamino)propiophenones. <i>Synlett</i> , 2012, 23, 1639-1642.	1.8	15

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19	Intramolecular S _N 2-Type Aromatic Substitution of Benzylic Carbonates at their Para-Position. <i>Organic Letters</i> , 2012, 14, 338-341.	4.6	43
20	Catalytic Asymmetric Hydrogenation of 3-Substituted Benzisoxazoles. <i>Molecules</i> , 2012, 17, 6901-6915.	3.8	12
21	Catalytic Asymmetric Hydrogenation of Naphthalenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4136-4139.	13.8	96
22	Usage of the Carboxylate Leaving Group in Transition-metal-catalyzed Cross-coupling and Related Reactions. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2011, 69, 1263-1270.	0.1	12
23	An Improvement of Nickel Catalyst for Cross-coupling Reaction of Arylboronic Acids with Aryl Carbonates by Using a Ferrocenyl Bisphosphine Ligand. <i>Chemistry Letters</i> , 2011, 40, 913-915.	1.3	41
24	Catalytic Asymmetric Hydrogenation of N-Boc-Imidazoles and Oxazoles. <i>Journal of the American Chemical Society</i> , 2011, 133, 7312-7315.	13.7	118
25	Transformation of 1±-Substituted Propanols into 1 ³ -Amino Alcohols through Nickel-Catalyzed Amination on the Terminal 1 ³ -Carbon of Propanols. <i>Synlett</i> , 2011, 2011, 1303-1307.	1.8	14
26	Selective <i>cis</i> -Substitution of 1-Arylethenyl Acetates with Arylboron Reagents and a Diene/Rhodium Catalyst. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6396-6399.	13.8	43
27	Palladium-Catalyzed N-Arylation of Bis(ortho-substituted aryl)amines: an Efficient Method for Preparing Sterically Congested Triarylamines. <i>Synlett</i> , 2010, 2010, 1819-1824.	1.8	13
28	Palladium-Catalyzed [4 + 2] Cycloaddition of <i>o</i> -(Silylmethyl)benzyl Esters with Ketones: An Equivalent to Oxo-Diels-Alder Reaction of <i>o</i> -Xylylenes. <i>Organic Letters</i> , 2010, 12, 4332-4334.	4.6	28
29	Fluorescence and chemiluminescence properties of indolylmaleimides: experimental and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9783.	2.8	11
30	Nickel-Catalyzed Formation of a Carbon-Nitrogen Bond at the 2-Position of Saturated Ketones. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4543-4545.	13.8	94
31	Rhodium-Catalyzed Cross-Coupling of Organoboron Compounds with Vinyl Acetate. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7217-7220.	13.8	85
32	[4+2] Cycloaddition of <i>o</i> -Xylylenes with Imines Using Palladium Catalyst. <i>Journal of the American Chemical Society</i> , 2009, 131, 12904-12905.	13.7	40
33	Catalytic Transformations of Benzylic Carboxylates and Carbonates. <i>Synthesis</i> , 2009, 2009, 1049-1061.	2.3	91
34	Palladium-catalyzed Nucleophilic Substitution of Benzylic Esters. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2009, 67, 219-228.	0.1	2
35	Catalytic Asymmetric Hydrogenation of 2,3,5-Trisubstituted Pyrroles. <i>Journal of the American Chemical Society</i> , 2008, 130, 808-809.	13.7	157
36	Benzyl Protection of Phenols under Neutral Conditions: Palladium-Catalyzed Benzylations of Phenols. <i>Organic Letters</i> , 2008, 10, 1979-1982.	4.6	71

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37	Suzuki-Miyaura Coupling of Diarylmethyl Carbonates with Arylboronic Acids: A New Access to Triarylmethanes. <i>Organic Letters</i> , 2008, 10, 973-976.	4.6	109
38	Palladium-catalyzed Cross-coupling of Benzylic Carbonates with Organostannanes. <i>Chemistry Letters</i> , 2008, 37, 796-797.	1.3	26
39	Catalytic Asymmetric Hydrogenation of 5-Membered Heteroaromatics. <i>Heterocycles</i> , 2008, 76, 909.	0.7	192
40	Suzuki-Miyaura Coupling of Benzylic Carbonates with Heteroarylboronic Acids. <i>Heterocycles</i> , 2007, 74, 233.	0.7	18
41	Palladium-catalyzed Nucleophilic Substitution of Diarylmethyl Carbonates with Malonate Carbanions. <i>Chemistry Letters</i> , 2007, 36, 528-529.	1.3	29
42	Bisindolylmaleimides with Large Stokes Shift and Long-Lasting Chemiluminescence Properties. <i>Organic Letters</i> , 2007, 9, 3583-3586.	4.6	45
43	Palladium-Catalyzed Formal [4+2] Cycloaddition of <i>o</i> -Xylylenes with Olefins. <i>Journal of the American Chemical Society</i> , 2007, 129, 3802-3803.	13.7	42
44	Catalytic Asymmetric Hydrogenation of Heteroaromatic Compounds, Indoles. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2007, 65, 109-118.	0.1	7
45	Use of acetate as a leaving group in palladium-catalyzed nucleophilic substitution of benzylic esters. <i>Tetrahedron Letters</i> , 2007, 48, 6109-6112.	1.4	32
46	Ruthenium-Catalyzed Asymmetric Hydrogenation of <i>N</i> -Boc-Indoles. <i>Organic Letters</i> , 2006, 8, 2653-2655.	4.6	191
47	Catalytic asymmetric hydrogenation of indoles using a rhodium complex with a chiral bisphosphine ligand PhTRAP. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 521-535.	1.8	116
48	Potassium Fluoride-induced 1,4-Elimination of <i>o</i> -[(Trimethylsilyl)methyl]benzyl Acetates: A Versatile Generation of <i>o</i> -Quinodimethanes. <i>Chemistry Letters</i> , 2005, 34, 728-729.	1.3	15
49	Palladium-Catalyzed Benzoylation of Active Methine Compounds Without Additional Base: Remarkable Effect of 1,5-Cyclooctadiene. <i>ChemInform</i> , 2005, 36, no.	0.0	0
50	Suzuki-Miyaura Cross-Coupling of Benzylic Carbonates with Arylboronic Acids. <i>ChemInform</i> , 2005, 36, no.	0.0	0
51	Potassium Fluoride-Induced 1,4-Elimination of <i>o</i> -[(Trimethylsilyl)methyl]benzyl Acetates: A Versatile Generation of <i>o</i> -Quinodimethanes. <i>ChemInform</i> , 2005, 36, no.	0.0	0
52	Transformation of Carbonates into Sulfones at the Benzylic Position via Palladium-Catalyzed Benzylic Substitution. <i>ChemInform</i> , 2005, 36, no.	0.0	0
53	Asymmetric Carroll Rearrangement of Allyl β -Acetamido- β -ketocarboxylates Catalyzed by a Chiral Palladium Complex. <i>ChemInform</i> , 2005, 36, no.	0.0	0
54	Cross-coupling of benzylic acetates with arylboronic acids: one-pot transformation of benzylic alcohols to diarylmethanes. <i>Chemical Communications</i> , 2005, , 5899.	4.1	82

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55	Asymmetric Carroll rearrangement of allyl β -acetamido- β -ketocarboxylates catalysed by a chiral palladium complex. <i>Chemical Communications</i> , 2005, , 3951.	4.1	54
56	Transformation of Carbonates into Sulfones at the Benzylic Position via Palladium-Catalyzed Benzylic Substitution. <i>Organic Letters</i> , 2005, 7, 2973-2975.	4.6	56
57	Suzuki-Miyaura Cross-Coupling of Benzylic Carbonates with Arylboronic Acids. <i>Organic Letters</i> , 2005, 7, 945-947.	4.6	117
58	Palladium-Catalyzed Nucleophilic Benzylic Substitutions of Benzylic Esters.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
59	A trans-Chelating Bisphosphine Possessing only Planar Chirality and Its Application to Catalytic Asymmetric Reactions.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
60	A trans-chelating bisphosphine possessing only planar chirality and its application to catalytic asymmetric reactions. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2263-2271.	1.8	44
61	Palladium-Catalyzed Benzoylation of Active Methine Compounds without Additional Base: Remarkable Effect of 1,5-Cyclooctadiene. <i>Organic Letters</i> , 2004, 6, 3545-3547.	4.6	64
62	Highly Enantioselective Synthesis of Chiral 3-Substituted Indolines by Catalytic Asymmetric Hydrogenation of Indoles. <i>Organic Letters</i> , 2004, 6, 2213-2215.	4.6	152
63	Aqueous Hydroxide as a Base for Palladium-Catalyzed Amination of Aryl Chlorides and Bromides.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
64	Unparalleled Rates for the Activation of Aryl Chlorides and Bromides: Coupling with Amines and Boronic Acids in Minutes at Room Temperature.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
65	Rhodium-Catalyzed anti-Markovnikov Hydroamination of Vinylarenes.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
66	Asymmetric Allylation of Unsymmetrical 1,3-Diketones Using a BINAP-Palladium Catalyst.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
67	Palladium-Catalyzed Nucleophilic Benzylic Substitutions of Benzylic Esters. <i>Journal of the American Chemical Society</i> , 2003, 125, 12104-12105.	13.7	146
68	Asymmetric Allylation of Unsymmetrical 1,3-Diketones Using a BINAP-Palladium Catalyst. <i>Organic Letters</i> , 2003, 5, 2177-2179.	4.6	67
69	Rhodium-Catalyzed Anti-Markovnikov Hydroamination of Vinylarenes. <i>Journal of the American Chemical Society</i> , 2003, 125, 5608-5609.	13.7	241
70	Aqueous Hydroxide as a Base for Palladium-Catalyzed Amination of Aryl Chlorides and Bromides. <i>Journal of Organic Chemistry</i> , 2002, 67, 6479-6486.	3.2	147
71	Unparalleled Rates for the Activation of Aryl Chlorides and Bromides: Coupling with Amines and Boronic Acids in Minutes at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4746-4748.	13.8	373
72	Asymmetric Hydrosilylation of Ketones Using Trans-Chelating Chiral Peralkylbisphosphine Ligands Bearing Primary Alkyl Substituents on Phosphorus Atoms. <i>Bulletin of the Chemical Society of Japan</i> , 2000, 73, 485-496.	3.2	60

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73	Catalytic Asymmetric Hydrogenation of $\hat{\pm}$ -(Acetamido)acrylates Using TRAP Trans-Chelating Chiral Bisphosphine Ligands: Remarkable Effects of Ligand P-Substituent and Hydrogen Pressure on Enantioselectivity. <i>Bulletin of the Chemical Society of Japan</i> , 2000, 73, 2571-2578.	3.2	49
74	Hydrogenation of Five-Membered Heteroaromatic Compounds Catalyzed by a Rhodium-Phosphine Complex. <i>Chemistry Letters</i> , 2000, 29, 428-429.	1.3	14
75	Asymmetric aldol reaction of 2-cyanopropionates catalyzed by a trans-chelating chiral diphosphine- $\hat{\pm}$ -rhodium(I) complex: highly enantioselective construction of quaternary chiral carbon centers at $\hat{\pm}$ -positions of nitriles. <i>Journal of Organometallic Chemistry</i> , 2000, 603, 18-29.	1.8	38
76	Catalytic Asymmetric Hydrogenation of Heteroaromatic Compounds, Indoles. <i>Journal of the American Chemical Society</i> , 2000, 122, 7614-7615.	13.7	282
77	Synthesis of a trans-chelating chiral diphosphine ligand with only planar chirality and its application to asymmetric hydrosilylation of ketones. <i>Tetrahedron Letters</i> , 1999, 40, 1327-1330.	1.4	76
78	Catalytic asymmetric hydrogenation of 1-aza-2-cycloalkene-2-carboxylates catalyzed by a trans-chelating chiral diphosphine PhTRAP-rhodium complex. <i>Tetrahedron Letters</i> , 1999, 40, 9045-9049.	1.4	22
79	Enantioselective Construction of Quaternary $\hat{\pm}$ -Carbon Centers on $\hat{\pm}$ -Amino Phosphonates via Catalytic Asymmetric Allylation. <i>Organic Letters</i> , 1999, 1, 837-839.	4.6	73
80	Asymmetric Hydrogenation of 1,4,5,6-Tetrahydropyrazine-2-(N-tert-butyl)carboxamide Catalyzed by Trans-Chelating Chiral Diphosphine- $\hat{\pm}$ -Rhodium Complexes. <i>Journal of Organic Chemistry</i> , 1999, 64, 1232-1237.	3.2	43
81	Design and Synthesis of Optically Active Trans-Chelating Diphosphine Ligands. Application for Catalytic Asymmetric Synthesis. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999, 144, 469-472.	1.6	10
82	Catalytic Asymmetric Allylation of Prochiral Nucleophiles, $\hat{\pm}$ -Acetamido- $\hat{\pm}$ -ketoesters. <i>Journal of the American Chemical Society</i> , 1999, 121, 3236-3237.	13.7	123
83	Addition of Isocyanocarboxylates to Aldehydes. , 1999, , 1067-1074.		1
84	Reduction of amides to amines via catalytic hydrosilylation by a rhodium complex. <i>Tetrahedron Letters</i> , 1998, 39, 1017-1020.	1.4	187
85	Asymmetric hydrogenation of (E)- $\hat{\pm}$, $\hat{\pm}$ -bis(N-acylamino)acrylates catalyzed by a rhodium complex with trans-chelating chiral diphosphine ligand. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 2773-2775.	1.8	33
86	Asymmetric aldol reaction of 2-cyanopropionates catalysed by trans-chelating chiral diphosphine ligand TRAP- $\hat{\pm}$ -rhodium(I) complex. <i>Chemical Communications</i> , 1998, , 71-72.	4.1	76
87	Catalytic Asymmetric Synthesis of $\hat{\pm}$ -Hydroxy- $\hat{\pm}$ -amino Acids: A Highly Enantioselective Hydrogenation of $\hat{\pm}$ -Oxy- $\hat{\pm}$ -acetamidoacrylates. <i>Journal of Organic Chemistry</i> , 1998, 63, 3499-3503.	3.2	48
88	Trans-Chelating Chiral Peralkyldiphosphine Ligands (R,R)-(S,S)-2,2- $\hat{\pm}$ -Bis[1-(dialkylphosphino)ethyl]-1,1- $\hat{\pm}$ -biferrocenes (AlkylTRAPs) and Their Transition Metal Complexes. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 2807-2822.	3.2	38
89	Eine durch chirale Diphosphanpalladium-Komplexe katalysierte enantioselektive Cycloisomerisierung von 1,6-Eninen. <i>Angewandte Chemie</i> , 1996, 108, 686-687.	2.0	41
90	Enantioselective Cycloisomerization of 1,6-Enynes Catalyzed by Chiral Diphosphane- $\hat{\pm}$ -Palladium Complexes. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 662-663.	4.4	92

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91	Catalytic asymmetric hydrogenation of dimethyl itaconate with trans-chelating chiral diphosphine ligands TRAP-rhodium complexes. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 2521-2526.	1.8	32
92	Asymmetric Hydrosilylation of Keto Esters Catalyzed by a Rhodium Complex with Trans-Chelating Chiral Diphosphine EtTRAP. <i>Synlett</i> , 1995, 1995, 347-348.	1.8	21
93	Enantioselective hydrogenation of .beta.-disubstituted .alpha.-acetamidoacrylates catalyzed by rhodium complexes with TRAP trans-chelating chiral phosphine ligands.. <i>Journal of the American Chemical Society</i> , 1995, 117, 9602-9603.	13.7	109
94	Synthesis and Structures of Trans-Chelating Chiral Diphosphine Ligands Bearing Aromatic P-Substituents, (S,S)-(R,R)- and (R,R)-(S,S)-2,2''-Bis[1-(diarylphosphino)ethyl]-1,1''-biferrocene (ArylTRAPs) and Their Transition Metal Complexes. <i>Organometallics</i> , 1995, 14, 4549-4558.	2.3	132
95	trans-Chelating Chiral Diphosphane Ligands Bearing Flexible P-Alkyl Substituents (AlkylTRAPs) and their Application to the Rhodium-Catalyzed Asymmetric Hydrosilylation of Simple Ketones. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 111-113.	4.4	127
96	<i>trans</i> -Chelatisierende chirale Diphosphanliganden mit flexiblen P-Alkylsubstituenten (AlkylTRAPs) und ihre Anwendung bei der Rhodium-katalysierten asymmetrischen Hydrosilylierung einfacher Ketone. <i>Angewandte Chemie</i> , 1994, 106, 92-93.	2.0	41
97	Asymmetric Hydrogenation of Alkenes, Enones, Ene-Esters and Ene-Acids. , 0, , 35-86.		0