Yasuhiro Uozumi

List of Publications by Year
in descending order

235	11,980	19657 61	33894 99
papers	citations	h-index	g-index

344	344	344	7419
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic asymmetric synthesis of optically active 2-alkanols via hydrosilylation of 1-alkenes with a chiral monophosphine-palladium catalyst. Journal of the American Chemical Society, 1991, 113, 9887-9888.	13.7	325
2	Catalytic Oxidation of Alcohols in Water under Atmospheric Oxygen by Use of an Amphiphilic Resin-Dispersion of a Nanopalladium Catalyst. Angewandte Chemie - International Edition, 2003, 42, 194-197.	13.8	307
3	Parallel Synthesis and Screening of a Solid Phase Carbohydrate Library. Science, 1996, 274, 1520-1522.	12.6	302
4	Synthesis of optically active 2-(diarylphosphino)-1,1'-binaphthyls, efficient chiral monodentate phosphine ligands. Journal of Organic Chemistry, 1993, 58, 1945-1948.	3.2	287
5	Cross-Coupling of Aryl Halides and Allyl Acetates with Arylboron Reagents in Water Using an Amphiphilic Resin-Supported Palladium Catalyst. Journal of Organic Chemistry, 1999, 64, 3384-3388.	3.2	240
6	Catalytic Asymmetric Wacker-Type Cyclization. Journal of the American Chemical Society, 1997, 119, 5063-5064.	13.7	229
7	Recent Advances in Palladiumâ€Catalyzed Crossâ€Coupling Reactions at ppm to ppb Molar Catalyst Loadings. Advanced Synthesis and Catalysis, 2018, 360, 602-625.	4.3	226
8	Asymmetric Suzukiâ€“Miyaura Coupling in Water with a Chiral Palladium Catalyst Supported on an Amphiphilic Resin. Angewandte Chemie - International Edition, 2009, 48, 2708-2710.	13.8	223
9	Self-Assembled Poly(imidazole-palladium): Highly Active, Reusable Catalyst at Parts per Million to Parts per Billion Levels. Journal of the American Chemical Society, 2012, 134, 3190-3198.	13.7	218
10	A Nanoplatinum Catalyst for Aerobic Oxidation of Alcohols in Water. Angewandte Chemie - International Edition, 2007, 46, 704-706.	13.8	203
11	Catalytic asymmetric synthesis of axially chiral biaryls by palladium-catalyzed enantioposition-selective cross-coupling.. Journal of the American Chemical Society, 1995, 117, 9101-9102.	13.7	189
12	Amphiphilic Self-Assembled Polymeric Copper Catalyst to Parts per Million Levels: Click Chemistry. Journal of the American Chemical Society, 2012, 134, 9285-9290.	13.7	187
13	Catalytic Asymmetric Allylic Alkylation in Water with a Recyclable Amphiphilic Resin-SupportedP,N-Chelating Palladium Complex. Journal of the American Chemical Society, 2001, 123, 2919-2920.	13.7	181
14	Catalytic Asymmetric Reduction of Allylic Esters with Formic Acid Catalyzed by Palladium-MOP Complexes. Journal of the American Chemical Society, 1994, 116, 775-776.	13.7	178
15	An Amphiphilic Resin-Supported Palladium Catalyst for High-Throughput Cross-Coupling in Water. Organic Letters, 2002, 4, 2997-3000.	4.6	173
16	NCN Pincer Palladium Complexes:Â Their Preparation via a Ligand Introduction Route and Their Catalytic Properties. Journal of the American Chemical Society, 2005, 127, 12273-12281.	13.7	172
17	A Solid-Phase Self-Organized Catalyst of Nanopalladium with Main-Chain Viologen Polymers:â€‰Î±-Alkylation of Ketones with Primary Alcohols. Organic Letters, 2006, 8, 1375-1378.	4.6	160
18	Preparation of optically active binaphthylmonophosphines (MOP's) containing various functional groups. Tetrahedron, 1994, 50, 4293-4302.	1.9	156

#	Article	IF	Citations
19	Instantaneous Carbonâ^'Carbon Bond Formation Using a Microchannel Reactor with a Catalytic Membrane. Journal of the American Chemical Society, 2006, 128, 15994-15995.	13.7	154
20	Retention of Regiochemistry of Allylic Esters in Palladium-Catalyzed Allylic Alkylation in the Presence of a MOP Ligand. Journal of the American Chemical Society, 1998, 120, 1681-1687.	13.7	150
21	Hydrogenation and Dehalogenation under Aqueous Conditions with an Amphiphilic-Polymer-Supported Nanopalladium Catalyst. Organic Letters, 2005, 7, 163-165.	4.6	135
22	Asymmetric functionalization of bicycloalkenes by catalytic enantioposition-selective hydrosilylation. Tetrahedron Letters, 1992, 33, 7185-7188.	1.4	119
23	Deuterium-Labeling Studies Establishing Stereochemistry at the Oxypalladation Step in Wacker-Type Oxidative Cyclization of an o-Allylphenol. Journal of the American Chemical Society, 2004, 126, 3036-3037.	13.7	119
24	Homochiral 2,2â€²-bis(oxazolyl)-1,1â€²-binaphthyls as ligands for copper(I)-catalyzed asymmetric cyclopropanation. Tetrahedron: Asymmetry, 1996, 7, 1603-1606.	1.8	116
25	A Palladiumâ€Nanoparticle and Siliconâ€Nanowireâ€Array Hybrid: A Platform for Catalytic Heterogeneous Reactions. Angewandte Chemie - International Edition, 2014, 53, 127-131.	13.8	116
26	Regio- and enantio-selective allylic alkylation catalysed by a chiral monophosphineâ€“palladium complex. Chemical Communications, 1997, , 561-562.	4.1	114
27	Silver(I)-catalyzed asymmetric aldol reaction of isocyanoacetate. Tetrahedron Letters, 1991, 32, 2799-2802.	1.4	113
28	Axially chiral allenylboranes: catalytic asymmetric synthesis by palladium-catalysed hydroboration of but-1-en-3-ynes and their reaction with an aldehyde. Journal of the Chemical Society Chemical Communications, 1993, , 1468.	2.0	112
29	Palladium-catalyzed asymmetric allylic substitution in aqueous media using amphiphilic resin-supported MOP ligands. Tetrahedron Letters, 1998, 39, 8303-8306.	1.4	111
30	Recent Progress in Polymeric Palladium Catalysts for Organic Synthesis. Topics in Current Chemistry, 2004, 242, 77-112.	4.0	109
31	Development of New P-Chiral Phosphorodiamidite Ligands Having a Pyrrolo[1,2-c]diazaphosphol-1-one Unit and Their Application to Regio- and Enantioselective Iridium-Catalyzed Allylic Etherification. Journal of Organic Chemistry, 2007, 72, 707-714.	3.2	108
32	New amphiphilic palladium-phosphine complexes bound to solid supports: Preparation and use for catalytic allylic substitution in aqueous media. Tetrahedron Letters, 1997, 38, 3557-3560.	1.4	107
33	Double Carbonylation of Aryl Iodides with Primary Amines under Atmospheric Pressure Conditions Using the Pd/PPh3/DABCO/THF System. Journal of Organic Chemistry, 2001, 66, 5272-5274.	3.2	107
34	Asymmetric Hydrosilylation of Styrenes Catalyzed by Palladiumâ^'MOP Complexes:Â Ligand Modification and Mechanistic Studies. Journal of Organic Chemistry, 2001, 66, 1441-1449.	3.2	106
35	The Sonogashira Reaction in Water via an Amphiphilic Resin-supported Palladium-Phosphine Complex under Copper-free Conditions. Heterocycles, 2003, 59, 71.	0.7	105
36	Catalytic asymmetric construction of morpholines and piperazines by palladium-catalyzed tandem allylic substitution reactions. Journal of Organic Chemistry, 1993, 58, 6826-6832.	3.2	102

#	Article	IF	Citations
37	Asymmetric Hydrosilylation of 1-Alkenes Catalyzed by Palladiumâ€“MOP. Bulletin of the Chemical Society of Japan, 1995, 68, 713-722.	3.2	101
38	Erythro-Selective aldol-type reaction of N-sulfonylaldimines with methyl isocyanoacetate catalyzed by gold(I). Tetrahedron Letters, 1996, 37, 4969-4972.	1.4	100
39	Synthesis and application of novel chiral phosphino-oxazoline ligands with 1,1â€²-binaphthyl skeleton. Tetrahedron: Asymmetry, 1998, 9, 1779-1787.	1.8	97
40	Green Catalysis:Â Hydroxycarbonylation of Aryl Halides in Water Catalyzed by an Amphiphilic Resin-Supported Phosphineâ€“Palladium Complex. Journal of Organic Chemistry, 1999, 64, 6921-6923.	3.2	97
41	Highly efficient iron(0) nanoparticle-catalyzed hydrogenation in water in flow. Green Chemistry, 2013, 15, 2141.	9.0	96
42	Design and Preparation of 3,3â€˜-Disubstituted 2,2â€˜-Bis(oxazolyl)-1,1â€˜-binaphthyls (boxax):Â New Chiral Bis(oxazoline) Ligands for Catalytic Asymmetric Wacker-Type Cyclization. Journal of Organic Chemistry, 1999, 64, 1620-1625.	3.2	94
43	Asymmetric Allylic Amination in Water Catalyzed by an Amphiphilic Resin-Supported Chiral Palladium Complex. Organic Letters, 2004, 6, 281-283.	4.6	94
44	Cationic Palladium/Boxax Complexes for Catalytic Asymmetric Wacker-Type Cyclization. Journal of Organic Chemistry, 1998, 63, 5071-5075.	3.2	92
45	Allylic substitution in water catalyzed by amphiphilic resin-supported palladium-phosphine complexes. Tetrahedron, 1999, 55, 14341-14352.	1.9	90
46	Copper-Free Sonogashira coupling in water with an amphiphilic resin-supported palladium complex. Tetrahedron, 2010, 66, 1064-1069.	1.9	90
47	A Highly Active and Reusable Selfâ€Assembled Poly(Imidazole/Palladium) Catalyst: Allylic Arylation/Alkenylation. Angewandte Chemie - International Edition, 2011, 50, 9437-9441.	13.8	90
48	Development of Chiral Pincer Palladium Complexes Bearing a Pyrroloimidazolone Unit. Catalytic Use for Asymmetric Michael Addition. Organic Letters, 2004, 6, 1833-1835.	4.6	85
49	Catalytic asymmetric hydrosilylation of ketones with new chiral ferrocenylphosphine-imine ligands. Tetrahedron: Asymmetry, 1995, 6, 2503-2506.	1.8	83
50	Development of a convoluted polymeric nanopalladium catalyst: Î±-alkylation of ketones and ring-opening alkylation of cyclic 1,3-diketones with primary alcohols. Tetrahedron, 2007, 63, 8492-8498.	1.9	83
51	Palladium-catalysed asymmetric hydrosilylation of styrenes with a new chiral monodentate phosphine ligand. Journal of the Chemical Society Chemical Communications, 1995, , 1533.	2.0	82
52	Novel 3D Coordination Palladiumâ€“Network Complex:â€‰ A Recyclable Catalyst for Suzukiâ€“Miyaura Reactionâ€. Organic Letters, 2006, 8, 4259-4262.	4.6	78
53	Asymmetric hydrosilylation of dihydrofurans by use of palladium-MOP catalyst. Tetrahedron Letters, 1993, 34, 2335-2338.	1.4	77
54	Modification of Chiral Monodentate Phosphine Ligands (MOP) for Palladium-Catalyzed Asymmetric Hydrosilylation of Cyclic 1,3-Dienes. Advanced Synthesis and Catalysis, 2001, 343, 279-283.	4.3	75

#	Article	IF	Citations
55	Heck Reaction in Water with Amphiphilic Resin-Supported Palladium-Phosphine Complexes. Synlett, 2002, 2002, 2045-2048.	1.8	73
56	Title is missing!. Angewandte Chemie, 2003, 115, 204-207.	2.0	73
57	Enantioposition-Selective Copper-Catalyzed Azideâ€“Alkyne Cycloaddition for Construction of Chiral Biaryl Derivatives. Organic Letters, 2014, 16, 5866-5869.	4.6	73
58	In-Water Dehydrative Alkylation of Ammonia and Amines with Alcohols by a Polymeric Bimetallic Catalyst. Organic Letters, 2011, 13, 3892-3895.	4.6	70
59	Asymmetric hydrosilylation of cyclic 1,3-dienes catalyzed by an axially chiral monophosphine-palladium complex. Tetrahedron Letters, 1996, 37, 4169-4172.	1.4	68
60	Asymmetric Ï€-allylic etherification of cycloalkenyl esters with phenols in water using a resin-supported chiral palladium complex. Tetrahedron: Asymmetry, 2006, 17, 161-166.	1.8	68
61	Regio- and enantioselective hydrosilylation of 1-arylalkenes by use of palladium-MOP catalyst. Tetrahedron: Asymmetry, 1993, 4, 2419-2422.	1.8	67
62	Enantioselective Carbenoid Insertion into Phenolic Oâ€“H Bonds with a Chiral Copper(I) Imidazoindolephosphine Complex. Organic Letters, 2012, 14, 194-197.	4.6	66
63	Incorporation of molecular nitrogen into organic compounds. 2. Novel lactam synthesis by use of a combination system of carbonylation and nitrogenation. Journal of the American Chemical Society, 1989, 111, 3725-3727.	13.7	65
64	Batch and Continuous-Flow Huisgen 1,3-Dipolar Cycloadditions with an Amphiphilic Resin-Supported Triazine-Based Polyethyleneamine Dendrimer Copper Catalyst. ACS Sustainable Chemistry and Engineering, 2017, 5, 10722-10734.	6.7	65
65	Cycloisomerization of 1,6-Enynes:â€‰ Asymmetric Multistep Preparation of a Hydrindane Framework in Water with Polymeric Catalysts. Organic Letters, 2005, 7, 291-293.	4.6	64
66	Direct Dehydrative Esterification of Alcohols and Carboxylic Acids with a Macroporous Polymeric Acid Catalyst. Organic Letters, 2013, 15, 5798-5801.	4.6	63
67	Asymmetric synthesis of allylsilanes by palladium-catalyzed asymmetric reduction of allylic carbonates with formic acid. Tetrahedron Letters, 1994, 35, 4813-4816.	1.4	61
68	Enantioposition-selective alkynylation of biaryl ditriflates by palladium-catalyzed asymmetric cross-coupling. Tetrahedron Letters, 1996, 37, 3161-3164.	1.4	61
69	Asymmetric aza-Claisen rearrangement of allyl imidates catalyzed by homochiral cationic palladium(II) complexes. Tetrahedron: Asymmetry, 1998, 9, 1065-1072.	1.8	61
70	Ï€-Allylic C1-Substitution in Water with Nitromethane Using Amphiphilic Resin-Supported Palladium Complexes. Journal of Organic Chemistry, 2006, 71, 8644-8646.	3.2	59
71	A simple synthetic approach to homochiral 6- and 6â€²-substituted 1,1â€²-binaphthyl derivatives. Tetrahedron, 2003, 59, 619-630.	1.9	58
72	PCP Pincer Palladium Complexes and Their Catalytic Properties:Â Synthesis via the Electrophilic Ligand Introduction Route. Organometallics, 2006, 25, 4883-4887.	2.3	58

#	Article	IF	Citations
73	Enantioselective desymmetrization of meso-cyclic anhydrides catalyzed by hexahydro-1H-pyrrolo[1,2-c]imidazolones. Tetrahedron Letters, 2001, 42, 411-414.	1.4	57
74	A catalytic asymmetric synthesis of Î±-methylene lactones by the palladium-catalysed carbonylation of prochiral alkenyl halides. Journal of the Chemical Society Chemical Communications, 1991, , 1593-1595.	2.0	56
75	Catalytic asymmetric synthesis of optically active alcohols via hydrosilylation of olefins with a chiral monophosphine-palladium catalyst. Pure and Applied Chemistry, 1992, 64, 1911-1916.	1.9	56
76	Catalytic membrane-installed microchannel reactors for one-second allylic arylation. Chemical Communications, 2009, , 5594.	4.1	56
77	Iron-catalyzed C(sp³)â€“H functionalization of methyl azaarenes: a green approach to azaarene-substituted Î±- or Î²-hydroxy carboxylic derivatives and 2-alkenylazaarenes. RSC Advances, 2014, 4, 57875-57884.	3.6	54
78	Palladium Membraneâ€Installed Microchannel Devices for Instantaneous Suzukiâ€“Miyaura Crossâ€Coupling. Chemistry - A European Journal, 2010, 16, 11311-11319.	3.3	53
79	Clean synthesis of triarylamines: Buchwaldâ€“Hartwig reaction in water with amphiphilic resin-supported palladium complexes. Chemical Communications, 2010, 46, 1103-1105.	4.1	53
80	Molecularâ€Architectureâ€Based Administration of Catalysis in Water: Selfâ€Assembly of an Amphiphilic Palladium Pincer Complex. Angewandte Chemie - International Edition, 2011, 50, 4876-4878.	13.8	53
81	Total Syntheses of Prothracarcin and Tomaymycin by Use of Palladium Catalyzed Carbonylation. Tetrahedron, 1986, 42, 3793-3806.	1.9	52
82	Development of an amphiphilic resin-dispersion of nanopalladium catalyst: Design, preparation, and its use in aquacatalytic hydrodechlorination and aerobic oxidation. Journal of Organometallic Chemistry, 2007, 692, 420-427.	1.8	51
83	A New Optically Active Monodentate Phosphine Ligand, (R)-(+)-3-Diphenylphosphino-3â€²-methoxy-4,4â€²-biphenanthryl (MOP-phen): Preparation and Use for Palladium-Catalyzed Asymmetric Reduction of Allylic Esters with Formic Acid. Synthesis, 1994, 1994, 526-532.	2.3	50
84	Development of an amphiphilic resinâ€dispersion of nanopalladium and nanoplatinum catalysts: Design, preparation, and their use in green organic transformations. Chemical Record, 2009, 9, 51-65.	5.8	49
85	An N-C-N Pincer Palladium Complex as an Efficient Catalyst Precursor for the Heck Reaction. Advanced Synthesis and Catalysis, 2004, 346, 1693-1696.	4.3	47
86	Amphiphilic Resin-Supported Rhodium-Phosphine Catalysts for C-C Bond Forming Reactions in Water. Advanced Synthesis and Catalysis, 2002, 344, 274-277.	4.3	46
87	Low temperature hydrodeoxygenation of phenols under ambient hydrogen pressure to form cyclohexanes catalysed by Pt nanoparticles supported on H-ZSM-5. Chemical Communications, 2015, 51, 17000-17003.	4.1	46
88	H₂O₂-Oxidation of Alcohols Promoted by Polymeric Phosphotungstate Catalysts. Organic Letters, 2010, 12, 4540-4543.	4.6	44
89	Cyclization ofo-Allylstyrene via Hydrosilylation:Â Mechanistic Aspects of Hydrosilylation of Styrenes Catalyzed by Palladiumâ^'Phosphine Complexes. Journal of Organic Chemistry, 1998, 63, 6137-6140.	3.2	41
90	Highly Efficient Heterogeneous Aqueous Kharasch Reaction with an Amphiphilic Resinâ€Supported Ruthenium Catalyst. Advanced Synthesis and Catalysis, 2008, 350, 1771-1775.	4.3	41

#	Article	IF	Citations
91	Controlled Monoarylation of Dibromoarenes in Water with a Polymeric Palladium Catalyst. Synlett, 2005, 2005, 1775-1778.	1.8	37
92	Ï€-Allylic Sulfonylation in Water with Amphiphilic Resin-Supported Palladium-Phosphine Complexes. Synthesis, 2008, 2008, 1960-1964.	2.3	37
93	Tightly Convoluted Polymeric Phosphotungstate Catalyst:â€‰ An Oxidative Cyclization of Alkenols and Alkenoic Acids. Organic Letters, 2007, 9, 1501-1504.	4.6	36
94	Organoborane-Catalyzed Hydrogenation of Unactivated Aldehydes with a Hantzsch Ester as a Synthetic NAD(P)H Analogue. Synlett, 2015, 26, 2037-2041.	1.8	36
95	Chemoselective Continuous-Flow Hydrogenation of Aldehydes Catalyzed by Platinum Nanoparticles Dispersed in an Amphiphilic Resin. ACS Catalysis, 2017, 7, 7371-7377.	11.2	36
96	Aqueous Asymmetric 1,4-Addition of Arylboronic Acids to Enones Catalyzed by an Amphiphilic Resin-Supported Chiral Diene Rhodium Complex under Batch and Continuous-Flow Conditions. Journal of Organic Chemistry, 2018, 83, 7380-7387.	3.2	36
97	Palladium-Catalyzed Asymmetric Reduction of Racemic Allylic Esters with Formic Acid: Effects of Phosphine Ligands on Isomerization of Ï€-Allylpalladium Intermediates and Enantioselectivity. Tetrahedron, 2000, 56, 2247-2257.	1.9	35
98	Heterogeneous Asymmetric Catalysis in Water with Amphiphilic Polymer-Supported Homochiral Palladium Complexes. Bulletin of the Chemical Society of Japan, 2008, 81, 1183-1195.	3.2	35
99	Catalytic asymmetric synthesis of optically active alkenes by palladium-catalysed asymmetric reduction of racemic allylic esters with formic acid. Chemical Communications, 1996, , 1767.	4.1	34
100	New homochiral phosphine ligands having a hexahydro-1H-pyrrolo[1,2-c]imidazolone backbone: preparation and use for palladium-catalyzed asymmetric alkylation of cycloalkenyl carbonates. Tetrahedron: Asymmetry, 2002, 13, 1769-1772.	1.8	34
101	A Combinatorial Approach to Heterogeneous Asymmetric Aquacatalysis with Amphiphilic Polymer-Supported Chiral Phosphine-Palladium Complexes. Advanced Synthesis and Catalysis, 2006, 348, 1561-1566.	4.3	34
102	Polymeric Bimetallic Catalyst-Promoted In-Water Dehydrative Alkylation of Ammonia and Amines with Alcohols. Synthesis, 2013, 45, 2093-2100.	2.3	34
103	A palladium NNC-pincer complex: an efficient catalyst for allylic arylation at parts per billion levels. Chemical Communications, 2015, 51, 3886-3888.	4.1	34
104	PS-PEG resin-supported palladiumâ€“MOP complexes. Application in asymmetric Ï€-allylic reduction. Tetrahedron, 2004, 60, 9297-9306.	1.9	33
105	Metal-free Reduction of Nitro Aromatics to Amines with B2(OH)4/H2O. Synlett, 2018, 29, 1765-1768.	1.8	33
106	Regiocontrol in palladium-catalysed allylic alkylation by addition of lithium iodide. Chemical Communications, 1998, , 217-218.	4.1	32
107	Aerobic flow oxidation of alcohols in water catalyzed by platinum nanoparticles dispersed in an amphiphilic polymer. RSC Advances, 2015, 5, 2647-2654.	3.6	32
108	BrÃ¸nsted acid-catalyzed selective Câ€“C bond cleavage of 1,3-diketones: a facile synthesis of 4(3H)-quinazolinones in aqueous ethyl lactate. RSC Advances, 2015, 5, 85646-85651.	3.6	31

#	Article	IF	Citations
109	A Palladium NNCâ€Pincer Complex as an Efficient Catalyst Precursor for the Mizorokiâ^'Heck Reaction. Advanced Synthesis and Catalysis, 2018, 360, 1833-1840.	4.3	31
110	Incorporation of molecular nitrogen into organic compounds. Journal of Organometallic Chemistry, 1990, 399, 93-102.	1.8	30
111	Synthesis of [2,6-Bis(2-oxazolinyl)phenyl]palladium Complexes via the Ligand Introduction Route. Organometallics, 2008, 27, 5159-5162.	2.3	30
112	A parallel preparation of a bicyclic N-chiral amine library and its use for chiral catalyst screening. Tetrahedron Letters, 2001, 42, 407-410.	1.4	29
113	Synthesis and Catalytic Applications of a Triptycene-Based Monophosphine Ligand for Palladium-Mediated Organic Transformations. ACS Omega, 2017, 2, 1930-1937.	3.5	29
114	Cu-catalyzed reduction of azaarenes and nitroaromatics with diboronic acid as reductant. Tetrahedron, 2018, 74, 2121-2129.	1.9	29
115	Amphezonol A, a novel polyhydroxyl metabolite from marine dinoflagellate Amphidinium sp.. Tetrahedron Letters, 2006, 47, 4369-4371.	1.4	28
116	An Amphiphilic Resinâ€dispersion of Nanoparticles of Platinum (ARPâ€Pt): A Highly Active and Recyclable Catalyst for the Aerobic Oxidation of a Variety of Alcohols in Water. Chemistry - an Asian Journal, 2009, 4, 1092-1098.	3.3	28
117	A one step synthesis of 1,4-benzodiazepines: synthetic studies on neothramycin. Tetrahedron Letters, 1985, 26, 5947-5950.	1.4	27
118	A novel amphiphilic pincer palladium complex: design, preparation and self-assembling behavior. Dalton Transactions, 2011, 40, 8859.	3.3	27
119	Transfer hydrogenation of alkenes using Ni/Ru/Pt/Au heteroquatermetallic nanoparticle catalysts: sequential cooperation of multiple nano-metal species. Chemical Communications, 2014, 50, 12123-12126.	4.1	27
120	Recyclable Polystyrene-Supported Copper Catalysts for the Aerobic Oxidative Homocoupling of Terminal Alkynes. Synlett, 2016, 27, 1232-1236.	1.8	27
121	Solvent-Free A³ and KA² Coupling Reactions with mol ppm Level Loadings of a Polymer-Supported Copper(II)â€"Bipyridine Complex for Green Synthesis of Propargylamines. ACS Sustainable Chemistry and Engineering, 2019, 7, 9097-9102.	6.7	27
122	Heterogeneous Aromatic Amination of Aryl Halides with Arylamines in Water with PSâ€PEG Resinâ€Supported Palladium Complexes. Chemistry - an Asian Journal, 2010, 5, 1788-1795.	3.3	26
123	Application of â€œBoomerangâ€•Linear Polystyrene-Stabilized Pd Nanoparticles to a Series of C-C Coupling Reactions in Water. Catalysts, 2015, 5, 106-118.	3.5	26
124	In-Water and Neat Batch and Continuous-Flow Direct Esterification and Transesterification by a Porous Polymeric Acid Catalyst. Scientific Reports, 2016, 6, 25925.	3.3	26
125	Ï€-Allylic Azidation in Water with an Amphiphilic Resin-Supported Palladium-Phosphine Complex. Synlett, 2006, 2006, 2109-2113.	1.8	25
126	Development of Polymeric Palladiumâ€Nanoparticle Membraneâ€Installed Microflow Devices and their Application in Hydrodehalogenation. ChemSusChem, 2012, 5, 293-299.	6.8	25

#	Article	IF	Citations
127	Cyclization of alkynoic acids in water in the presence of a vesicular self-assembled amphiphilic pincer palladium complex catalyst. Chemical Communications, 2014, 50, 14516-14518.	4.1	25
128	Total synthesis of neothramycin. Journal of the Chemical Society Chemical Communications, 1986, , 841.	2.0	24
129	Incorporation of molecular nitrogen into amides and imides by use of titanium nitrogen complexes. Tetrahedron Letters, 1987, 28, 6187-6190.	1.4	24
130	A Convoluted Polymeric Imidazole Palladium Catalyst: Structural Elucidation and Investigation of the Driving Force for the Efficient Mizorokiâ€“Heck Reaction. ChemCatChem, 2015, 7, 2141-2148.	3.7	24
131	Modification of Chiral Monodentate Phosphine (MOP) Ligands for Palladium-Catalyzed Asymmetric Hydrosilylation of Styrenes. Chemistry Letters, 2000, 29, 1272-1273.	1.3	23
132	A Recyclable â€œBoomerangâ€•Linear Polystyreneâ€Stabilized Pd Nanoparticles for the Suzuki Coupling Reaction of Aryl Chlorides in Water. ChemCatChem, 2013, 5, 2167-2169.	3.7	23
133	Instantaneous Click Chemistry by a Copperâ€Containing Polymericâ€Membraneâ€Installed Microflow Catalytic Reactor. Chemistry - A European Journal, 2015, 21, 17269-17273.	3.3	23
134	Mechanistic Insights into Copper-Catalyzed Azideâ€“Alkyne Cycloaddition (CuAAC): Observation of Asymmetric Amplification. Synlett, 2015, 26, 1475-1479.	1.8	23
135	Asymmetric allylic substitution of cycloalkenyl esters in water with an amphiphilic resin-supported chiral palladium complex. Pure and Applied Chemistry, 2007, 79, 1481-1489.	1.9	22
136	Use of dimethyl carbonate as a solvent greatly enhances the biaryl coupling of aryl iodides and organoboron reagents without adding any transition metal catalysts. Chemical Communications, 2012, 48, 2912.	4.1	21
137	Detailed Mechanism for Hiyama Coupling Reaction in Water Catalyzed by Linear Polystyrene-Stabilized PdO Nanoparticles. Organometallics, 2017, 36, 1618-1622.	2.3	21
138	Allylic Substitution of meso-1,4-Diacetoxycycloalkenes in Water with an Amphiphilic Resin-Supported Chiral Palladium Complex. Synlett, 2008, 2008, 1557-1561.	1.8	20
139	New C-N-C Bond Formation Reaction Using Nitrogenation-Transmetallation Process. Novel Ring Construction of Indole and Quinoline Derivatives. Heterocycles, 1992, 33, 819.	0.7	19
140	Photocatalytic Aerobic Oxidation of Alkenes into Epoxides or Chlorohydrins Promoted by a Polymerâ€Supported Decatungstate Catalyst. ChemPhotoChem, 2017, 1, 479-484.	3.0	19
141	Continuous-flow hydrogenation of olefins and nitrobenzenes catalyzed by platinum nanoparticles dispersed in an amphiphilic polymer. RSC Advances, 2015, 5, 45760-45766.	3.6	18
142	Arylation of Terminal Alkynes by Aryl Iodides Catalyzed by a Parts-per-Million Loading of Palladium Acetate. ACS Catalysis, 2019, 9, 11640-11646.	11.2	18
143	Production of Bio Hydrofined Diesel, Jet Fuel, and Carbon Monoxide from Fatty Acids Using a Silicon Nanowire Array-Supported Rhodium Nanoparticle Catalyst under Microwave Conditions. ACS Catalysis, 2020, 10, 2148-2156.	11.2	18
144	A Convoluted Polyvinylpyridineâ€Palladium Catalyst for Suzukiâ€Miyaura Coupling and Câ€“H Arylation. Advanced Synthesis and Catalysis, 2020, 362, 4687-4698.	4.3	18

#	Article	IF	Citations
145	New Câ€“Nâ€“C bond formation reaction using the nitrogenation-transmetallation process. Journal of the Chemical Society Chemical Communications, 1991, .	2.0	16
146	Câ€“N and Câ€“S Bond Forming Cross Coupling in Water with Amphiphilic Resin-supported Palladium Complexes. Chemistry Letters, 2011, 40, 934-935.	1.3	16
147	A vesicular self-assembled amphiphilic palladium NNC-pincer complex-catalyzed allylic arylation of allyl acetates with sodium tetraarylborates in water. Tetrahedron, 2015, 71, 6437-6441.	1.9	16
148	Metallically gradated silicon nanowire and palladium nanoparticle composites as robust hydrogenation catalysts. Communications Chemistry, 2020, 3, .	4.5	16
149	Catalytic asymmetric elimination forming chiral 1,3-dienes via Ï€-allylpalladium intermediate. Tetrahedron: Asymmetry, 1991, 2, 195-198.	1.8	15
150	Catalytic specificity of linear polystyrene-stabilized Pd nanoparticles during Ullmann coupling reaction in water and the associated mechanism. Journal of Organometallic Chemistry, 2018, 854, 87-93.	1.8	15
151	Poly(tetrafluoroethylene)-Stabilized Metal Nanoparticles: Preparation and Evaluation of Catalytic Activity for Suzuki, Heck, and Arene Hydrogenation in Water. ACS Omega, 2018, 3, 10066-10073.	3.5	15
152	Second-Generation meta-Phenolsulfonic Acidâ€“Formaldehyde Resin as a Catalyst for Continuous-Flow Esterification. Organic Letters, 2020, 22, 160-163.	4.6	15
153	Palladium Catalysis in Water: Design, Preparation, and Use of Amphiphilic Resin-Supported Palladium-Phosphine Complexes.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2002, 60, 1063-1068.	0.1	14
154	Aquacatalytic Aerobic Oxidation of Benzylic Alcohols with a Self-supported Bipyridylâ€“Palladium Complex. Chemistry Letters, 2009, 38, 902-903.	1.3	14
155	Palladium-Catalyzed Asymmetric Suzukiâ€“Miyaura Cross Coupling with Homochiral Phosphine Ligands Having Tetrahydro-1H-imidazo[1,5-a]indole Backbone. Synthesis, 2016, 49, 59-68.	2.3	14
156	Iridium-Catalyzed Direct Cyclization of Aromatic Amines with Diols. Synlett, 2018, 29, 2385-2389.	1.8	14
157	Self-Assembled Polymeric Pyridine Copper Catalysts for Huisgen Cycloaddition with Alkynes and Acetylene Gas: Application in Synthesis of Tazobactam. Organic Process Research and Development, 2019, 23, 493-498.	2.7	14
158	Activator-Promoted Aryl Halide-Dependent Chemoselective Buchwaldâ€“Hartwig and Suzukiâ€“Miyaura Type Cross-Coupling Reactions. Organic Letters, 2020, 22, 4797-4801.	4.6	14
159	Fluoride-Free Hiyama Coupling Reaction Catalyzed by Linear Polystyrene-Stabilized PdO Nanoparticles in Water: Specific Reactivity of PdO Nanoparticles over Pd Nanoparticles. Synlett, 2016, 27, 1202-1206.	1.8	13
160	Detailed Structural Analysis of a Selfâ€Assembled Vesicular Amphiphilic NCNâ€Pincer Palladium Complex by Using Wideâ€Angle Xâ€Ray Scattering and Molecular Dynamics Calculations. Chemistry - A European Journal, 2017, 23, 1291-1298.	3.3	13
161	Controlled Aerobic Oxidation of Primary Benzylic Alcohols to Aldehydes Catalyzed by Polymer-Supported Triazine-Based Dendrimerâ€“Copper Composites. Synlett, 2018, 29, 1152-1156.	1.8	13
162	Recovery of In Situ-generated Pd Nanoparticles with Linear Polystyrene. Green and Sustainable Chemistry, 2011, 01, 19-25.	1.2	13

#	Article	IF	Citations
163	Oxidative cyclization of alkenols with Oxone using a miniflow reactor. Beilstein Journal of Organic Chemistry, 2009, 5, 18.	2.2	12
164	Green Chemistry - A New Paradigm of Organic Synthesis. Synlett, 2010, 2010, 1988-1989.	1.8	12
165	The Development of a Vesicular Self-assembled Amphiphilic Platinum NCN-Pincer Complex and Its Catalytic Application to Hydrosilylation of Alkenes in Water. Chemistry Letters, 2016, 45, 1244-1246.	1.3	12
166	Linear Polystyrene-stabilized Pt Nanoparticles Catalyzed Indole Synthesis in Water via Aerobic Alcohol Oxidation. Chemistry Letters, 2016, 45, 758-760.	1.3	11
167	Pd Pincer Complex as a Probe To Index the Coordination Ability of Various Ligands. European Journal of Inorganic Chemistry, 2007, 2007, 1629-1631.	2.0	10
168	A Self-Supported Palladium-Bipyridyl Catalyst for the Suzuki-Miyaura Coupling in Water. Heterocycles, 2010, 80, 505.	0.7	10
169	Driving an equilibrium acetalization to completion in the presence of water. RSC Advances, 2014, 4, 36864-36867.	3.6	10
170	Development of an aquacatalytic system based on the formation of vesicles of an amphiphilic palladium NNC-pincer complex. Dalton Transactions, 2015, 44, 7828-7834.	3.3	10
171	Surface Modification of a Supported Pt Catalyst Using Ionic Liquids for Selective Hydrodeoxygenation of Phenols into Arenes under Mild Conditions. Chemistry - A European Journal, 2019, 25, 14762-14766.	3.3	10
172	Mechanistic insight into the catalytic hydrogenation of nonactivated aldehydes with a Hantzsch ester in the presence of a series of organoboranes: NMR and DFT studies. RSC Advances, 2019, 9, 10201-10210.	3.6	10
173	Photocatalytic Carbinol Cation/Anion Umpolung: Direct Addition of Aromatic Aldehydes and Ketones to Carbon Dioxide. Organic Letters, 2021, 23, 7194-7198.	4.6	10
174	Development of Polymeric Metal Catalysts via Molecular Convolution and of Catalytic Membrane-Installed Microflow Devices. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2011, 69, 542-551.	0.1	10
175	Poly(meta-phenylene oxides) for the design of a tunable, efficient, and reusable catalytic platform. Chemical Communications, 2018, 54, 2878-2881.	4.1	9
176	Incorporation of molecular nitrogen into organic compounds III. Reaction of titanium-nitrogen complexes with acid halides and acid anhydrides. Journal of Organometallic Chemistry, 1990, 395, 255-267.	1.8	8
177	Heterogeneous Asymmetric Aquacatalysis with Polymer-Supported Palladium Complexes. Catalysis Surveys From Asia, 2005, 9, 269-278.	2.6	8
178	Highly Active Copperâ€Network Catalyst for the Direct Aldol Reaction. Chemistry - an Asian Journal, 2011, 6, 2545-2549.	3.3	8
179	Bimetallic Coâ€“Pd alloy nanoparticles as magnetically recoverable catalysts for the aerobic oxidation of alcohols in water. Tetrahedron, 2014, 70, 6146-6149.	1.9	8
180	Asymmetric Copper-Catalyzed C(sp)â€“H Bond Insertion of Carbenoids Derived from N-Tosylhydrazones. Synlett, 2018, 29, 2251-2256.	1.8	8

#	Article	IF	Citations
181	The Hiyama Crossâ€Coupling Reaction at Parts Per Million Levels of Pd: In Situ Formation of Highly Active Spirosilicates in Glycol Solvents. Chemistry - an Asian Journal, 2019, 14, 3850-3854.	3.3	8
182	Aqueous Flow Hydroxycarbonylation of Aryl Halides Catalyzed by an Amphiphilic Polymer-Supported Palladiumâ€“Diphenylphosphine Catalyst. Synlett, 2019, 30, 961-966.	1.8	8
183	Chemoselective Oxidation of Sulfides Promoted by a Tightly Convoluted Polypyridinium Phosphotungstate Catalyst with H2. Bulletin of the Korean Chemical Society, 2010, 31, 547-548.	1.9	8
184	Mechanistic Study on Allylic Arylation in Water with Linear Polystyrene-Stabilized Pd and PdO Nanoparticles. ACS Omega, 2019, 4, 15764-15770.	3.5	7
185	Development of Tightly Convoluted Polymeric Phosphotungstate Catalysts and Their Application to an Oxidative Cyclization of Alkenols and Alkenoic Acids. Heterocycles, 2008, 76, 645.	0.7	7
186	Structure and Syntheses of SEN-125 and Oxotomaymycin. Heterocycles, 1986, 24, 1257.	0.7	6
187	Catalytic Reductive Alkylation of Amines in Batch and Microflow Conditions Using a Silicon-Wafer-Based Palladium Nanocatalyst. ACS Omega, 2020, 5, 26938-26945.	3.5	6
188	Câ^'H Arylation of Thiophenes with Aryl Bromides by a Parts-per-Million Loading of a Palladium NNC-Pincer Complex. Synlett, 2020, 31, 1634-1638.	1.8	6
189	Production of Valuable Esters from Oleic Acid with a Porous Polymeric Acid Catalyst without Water Removal. Synlett, 2015, 27, 29-32.	1.8	5
190	Iterative Preparation of Platinum Nanoparticles in an Amphiphilic Polymer Matrix: Regulation of Catalytic Activity in Hydrogenation. Synlett, 2020, 31, 147-152.	1.8	5
191	Synthesis of Î±-Tertiary Amines by the Ruthenium-catalyzed Regioselective Allylic Amination of Tertiary Allylic Esters. Chemistry Letters, 2020, 49, 645-647.	1.3	5
192	Iron-Catalyzed Green Synthesis of 2-Alkenylazaarenes. Chinese Journal of Organic Chemistry, 2014, 34, 1369.	1.3	5
193	Polymer-Supported 2,2â€²-Bis(oxazolin-2-yl)-1,1â€²-binaphthyls (Boxax): Immobilized Chiral Ligands for Asymmetric Wacker-Type Cyclizations. Synlett, 2002, 2002, 2049-2053.	1.8	4
194	Preparation of Aryl(dicyclohexyl)phosphines by Câ€“P Bond-Forming Cross-Coupling in Water Catalyzed by an Amphiphilic-Resin-Supported Palladium Complex. Synlett, 2017, 28, 2966-2970.	1.8	4
195	Highly Reusable and Active Nanometalâ^'Siliconâ€Nanowire Array Hybrid Catalysts for Hydrogenation. European Journal of Inorganic Chemistry, 2021, 2021, 708-712.	2.0	4
196	Synthesis and potential central nervous system stimulant activity of 5,8-methanoquinazolines and bornano-triazines fused with imidazole and pyrimidine. Journal of Heterocyclic Chemistry, 2001, 38, 379-381.	2.6	3
197	Alkylative Cyclization of 1,6-Enynes in Water with an Amphiphilic Resin-Supported Palladium Catalyst. Synlett, 2006, 2006, 3065-3068.	1.8	3
198	Asymmetric Sonogashira Coupling with a Chiral Palladium Imidazoindole Phosphine Complex. Synlett, 2013, 24, 2550-2554.	1.8	3

#	Article	IF	Citations
199	Amphiphilic Immobilized Diphenylprolinol Alkyl Ether Catalyst on PS-PEG Resin. Bulletin of the Chemical Society of Japan, 2021, 94, 790-797.	3.2	3
200	The Development and Application of a New Class of Monodentate Optically Active Phosphines(MOP's). Asymmetric Hydrosilylation of Olefins Catalyzed by Palladium-MOP Complexes.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1993, 51, 1087-1096.	0.1	3
201	Suzukiâ€“Miyaura Cross-Coupling Reaction with Potassium Aryltrifluoroborate in Pure Water Using Recyclable Nanoparticle Catalyst. Synlett, 2022, 33, 57-61.	1.8	3
202	Application of Heterogeneous Polymer-Supported Catalysts to Continuous Flow Systems. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2016, 74, 621-630.	0.1	3
203	Cyanide-Free Cyanation of Aryl Iodides with Nitromethane by Using an Amphiphilic Polymer-Supported Palladium Catalyst. Synlett, 2022, 33, 40-44.	1.8	3
204	MOP : Design, Preparation, and Use for Palladium-Catalyzed Asymmetric Reactions. Yakugaku Zasshi, 1998, 118, 193-205.	0.2	2
205	4.2 Câ€“C Bond-Forming Reactions via the Heck Reaction. , 2012, , 2-17.		2
206	Huisgen Cycloaddition with Acetylene Gas by Using an Amphiphilic Self-Assembled Polymeric Copper Catalyst. Heterocycles, 2017, 95, 715.	0.7	2
207	Combinatorial Approaches towards Organic Synthetic Catalysts.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2002, 60, 434-441.	0.1	1
208	Solid-Phase Palladium Catalysis for High-Throughput Organic Synthesis. , 2004, , 531-584.		1
209	Catalytic Membrane-Installed Microchannel Reactors for Allylic Arylation. Synfacts, 2009, 2009, 1418-1418.	0.0	1
210	Tandem Olefin Migration-Aldol Condensation in Water with an Amphiphilic Resin-Supported Ruthenium Complex. Synlett, 2011, 2011, 787-790.	1.8	1
211	Ligand-Introduction Synthesis of NCN-Pincer Complexes and their Chemical Properties. , 2018, , 643-672.		1
212	Linear polystyrene-stabilized Rh(III) nanoparticles for oxidative coupling of arylboronic acids with alkenes in water. Journal of Organometallic Chemistry, 2018, 873, 1-7.	1.8	1
213	Preparation of Combinatorial Library Indexed by Molecular Tags. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1997, 55, 65-71.	0.1	1
214	Phenylboronic Ester-Activated Aryl Iodide-Selective Buchwaldâ€“Hartwig-Type Amination toward Bioactivity Assay. ACS Omega, 2022, 7, 24184-24189.	3.5	1
215	An Amphiphilic Resin-Supported Palladium Catalyst for High-Throughput Cross-Coupling in Water.. ChemInform, 2003, 34, no.	0.0	0
216	New Homochiral Phosphine Ligands Having a Hexahydro-1H-pyrrolo[1,2-c]imidazolone Backbone: Preparation and Use for Palladium-Catalyzed Asymmetric Alkylation of Cycloalkenyl Carbonates.. ChemInform, 2003, 34, no.	0.0	0

#	Article	IF	Citations
217	Heck Reaction in Water with Amphiphilic Resin-Supported Palladium-Phosphine Complexes.. ChemInform, 2003, 34, no.	0.0	0
218	The Sonogashira Reaction in Water via an Amphiphilic Resin-Supported Palladium-Phosphine Complex under Copper-Free Conditions.. ChemInform, 2003, 34, no.	0.0	0
219	Catalytic Oxidation of Alcohols in Water under Atmospheric Oxygen by Use of an Amphiphilic Resin-Dispersion of a Nanopalladium Catalyst.. ChemInform, 2003, 34, no.	0.0	0
220	Asymmetric Allylic Amination in Water Catalyzed by an Amphiphilic Resin-Supported Chiral Palladium Complex.. ChemInform, 2004, 35, no.	0.0	0
221	Development of Chiral Pincer Palladium Complexes Bearing a Pyrroloimidazolone Unit. Catalytic Use for Asymmetric Michael Addition.. ChemInform, 2004, 35, no.	0.0	0
222	Hydrogenation and Dehalogenation under Aqueous Conditions with an Amphiphilic-Polymer-Supported Nanopalladium Catalyst.. ChemInform, 2005, 36, no.	0.0	0
223	Cycloisomerization of 1,6-Enynes: Asymmetric Multistep Preparation of a Hydrindan Framework in Water with Polymeric Catalysts.. ChemInform, 2005, 36, no.	0.0	0
224	Controlled Monoarylation of Dibromoarenes in Water with a Polymeric Palladium Catalyst.. ChemInform, 2005, 36, no.	0.0	0
225	NCN Pincer Palladium Complexes: Their Preparation via a Ligand Introduction Route and Their Catalytic Properties.. ChemInform, 2006, 37, no.	0.0	0
226	Bipyridyl-Palladium Catalyst for Aerobic Oxidation of Alcohols. Synfacts, 2009, 2009, 1419-1419.	0.0	0
227	Amphiphilic Resinâ€Supported Rhodiumâ€Phosphine Catalysts for Câ€"C Bond Forming Reactions in Water.. ChemInform, 2002, 33, 71-71.	0.0	0
228	4.3 Câ€"C Bond-Forming Reactions via Cross-Coupling. , 2012, , 18-32.		0
229	Cluster Preface: Heterogeneous Catalysis. Synlett, 2016, 27, 1177-1178.	1.8	0
230	Detailed Structural Analysis of a Self-Assembled Vesicular Amphiphilic NCN-Pincer Palladium Complex by Wide-Angle X-Ray Scattering and Molecular Dynamics Calculations. Chemistry - A European Journal, 2017, 23, 1209-1209.	3.3	0
231	Regulation of Catalytic Activity in Hydrogenation with Platinum Nanoparticles in a PS-PEG Matrix. Synfacts, 2020, 16, 1083.	0.0	0
232	Palladiumâ€Catalyzed Aminocarbonylation of Aryl Halides with N,Nâ€Dialkylformamide Acetals. Helvetica Chimica Acta, 0, , e2100162.	1.6	0
233	Suzukiâ€"Miyaura Coupling and Câ€"H Arylation Catalyzed by Poly(4-vinylpyridine)â€"Palladium Composite. Synfacts, 2021, 17, 0196.	0.0	0
234	Application of Polymer-Metal Complexes to Environmentally-Benign Catalysis. Kobunshi, 2005, 54, 83-83.	0.0	0

#	Article	IF	Citations
235	Palladium-Catalyzed Cyanide-Free Cyanation of Aryl Iodides with Nitromethane. Synfacts, 2022, 18, 0411.	0.0	0