

# Yasuhiro Uozumi

## List of Publications by Citations

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344  
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ext. citations

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L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 226 | Catalytic oxidation of alcohols in water under atmospheric oxygen by use of an amphiphilic resin-dispersion of a nanopalladium catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 194-7           | 16.4 | 278       |
| 225 | Parallel synthesis and screening of a solid phase carbohydrate library. <i>Science</i> , <b>1996</b> , 274, 1520-2  | 33.3 | 270       |
| 224 | Catalytic asymmetric synthesis of optically active 2-alkanols via hydrosilylation of 1-alkenes with a chiral monophosphine-palladium catalyst. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 9887-9888 | 16.4 | 266       |
| 223 | Synthesis of optically active 2-(diarylphosphino)-1,1'-binaphthyls, efficient chiral monodentate phosphine ligands. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 1945-1948   | 4.2  | 254       |
| 222 | Cross-Coupling of Aryl Halides and Allyl Acetates with Arylboron Reagents in Water Using an Amphiphilic Resin-Supported Palladium Catalyst. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 3384-3388                 | 4.2  | 214       |
| 221 | Asymmetric Suzuki-Miyaura coupling in water with a chiral palladium catalyst supported on an amphiphilic resin. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2708-10                                  | 16.4 | 206       |
| 220 | Catalytic Asymmetric Wacker-Type Cyclization. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 5063-5064  | 16.4 | 206       |
| 219 | A nanoplatinum catalyst for aerobic oxidation of alcohols in water. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 704-6  | 16.4 | 191       |
| 218 | Self-assembled poly(imidazole-palladium): highly active, reusable catalyst at parts per million to parts per billion levels. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 3190-8                      | 16.4 | 187       |
| 217 | Recent Advances in Palladium-Catalyzed Cross-Coupling Reactions at ppm to ppb Molar Catalyst Loadings. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 602-625   | 5.6  | 172       |
| 216 | Amphiphilic self-assembled polymeric copper catalyst to parts per million levels: click chemistry. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9285-90   | 16.4 | 160       |
| 215 | NCN pincer palladium complexes: their preparation via a ligand introduction route and their catalytic properties. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 12273-81                               | 16.4 | 160       |
| 214 | Catalytic asymmetric synthesis of axially chiral biaryls by palladium-catalyzed enantioselective cross-coupling.. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 9101-9102                              | 16.4 | 160       |
| 213 | An amphiphilic resin-supported palladium catalyst for high-throughput cross-coupling in water. <i>Organic Letters</i> , <b>2002</b> , 4, 2997-3000  | 6.2  | 157       |
| 212 | Catalytic asymmetric allylic alkylation in water with a recyclable amphiphilic resin-supported P,N-chelating palladium complex. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 2919-20                  | 16.4 | 153       |
| 211 | Catalytic Asymmetric Reduction of Allylic Esters with Formic Acid Catalyzed by Palladium-MOP Complexes. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 775-776  | 16.4 | 150       |
| 210 | A solid-phase self-organized catalyst of nanopalladium with main-chain viologen polymers: alpha-alkylation of ketones with primary alcohols. <i>Organic Letters</i> , <b>2006</b> , 8, 1375-8                                 | 6.2  | 148       |

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| 209 | Instantaneous carbon-carbon bond formation using a microchannel reactor with a catalytic membrane. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 15994-5  | 16.4 | 140 |
| 208 | Retention of Regiochemistry of Allylic Esters in Palladium-Catalyzed Allylic Alkylation in the Presence of a MOP Ligand. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 1681-1687  | 16.4 | 136 |
| 207 | Preparation of optically active binaphthylmonophosphines (MOP's) containing various functional groups. <i>Tetrahedron</i> , <b>1994</b> , 50, 4293-4302  | 2.4  | 130 |
| 206 | Hydrogenation and dehalogenation under aqueous conditions with an amphiphilic-polymer-supported nanopalladium catalyst. <i>Organic Letters</i> , <b>2005</b> , 7, 163-5  | 6.2  | 125 |
| 205 | Deuterium-labeling studies establishing stereochemistry at the oxypalladation step in Wacker-type oxidative cyclization of an o-allylphenol. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 3036-7   | 16.4 | 116 |
| 204 | Homochiral 2,2'-bis(oxazolyl)-1,1'-binaphthyls as ligands for copper(I)-catalyzed asymmetric cyclopropanation. <i>Tetrahedron: Asymmetry</i> , <b>1996</b> , 7, 1603-1606  |      | 106 |
| 203 | Regio- and enantio-selective allylic alkylation catalysed by achiral monophosphine-palladium complex. <i>Chemical Communications</i> , <b>1997</b> , 561-562   | 5.8  | 105 |
| 202 | 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. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 707-14 | 4.2  | 101 |
| 201 | Silver(I)-catalyzed asymmetric aldol reaction of isocyanoacetate. <i>Tetrahedron Letters</i> , <b>1991</b> , 32, 2799-2802   |      | 101 |
| 200 | A palladium-nanoparticle and silicon-nanowire-array hybrid: a platform for catalytic heterogeneous reactions. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 127-31  | 16.4 | 99  |
| 199 | Palladium-catalyzed asymmetric allylic substitution in aqueous media using amphiphilic resin-supported MOP ligands. <i>Tetrahedron Letters</i> , <b>1998</b> , 39, 8303-8306   | 2    | 99  |
| 198 | Recent progress in polymeric palladium catalysts for organic synthesis. <i>Topics in Current Chemistry</i> , <b>2004</b> , 242, 77-112   |      | 97  |
| 197 | Double carbonylation of aryl iodides with primary amines under atmospheric pressure conditions using the Pd/PPh <sub>3</sub> /DABCO/THF system. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 5272-4   | 4.2  | 95  |
| 196 | Axially chiral allenylboranes: catalytic asymmetric synthesis by palladium-catalysed hydroboration of but-1-en-3-yne and their reaction with an aldehyde. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1993</b> , 1468                        |      | 95  |
| 195 | The Sonogashira Reaction in Water via an Amphiphilic Resin-supported Palladium-Phosphine Complex under Copper-free Conditions. <i>Heterocycles</i> , <b>2003</b> , 59, 71  | 0.8  | 95  |
| 194 | Asymmetric hydrosilylation of styrenes catalyzed by palladium-MOP complexes: ligand modification and mechanistic studies. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 1441-9   | 4.2  | 93  |
| 193 | New amphiphilic palladium-phosphine complexes bound to solid supports: Preparation and use for catalytic allylic substitution in aqueous media. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 3557-3560   | 2    | 92  |
| 192 | Erythro-Selective aldol-type reaction of N-sulfonylaldimines with methyl isocyanoacetate catalyzed by gold(I). <i>Tetrahedron Letters</i> , <b>1996</b> , 37, 4969-4972  | 2    | 92  |

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|-----|---|------|----|
| 191 | Synthesis and application of novel chiral phosphino-oxazoline ligands with 1,1'-binaphthyl skeleton. <i>Tetrahedron: Asymmetry</i> , <b>1998</b> , 9, 1779-1787   |      | 91 |
| 190 | Catalytic asymmetric construction of morpholines and piperazines by palladium-catalyzed tandem allylic substitution reactions. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 6826-6832  | 4.2  | 89 |
| 189 | Asymmetric functionalization of bicycloalkenes by catalytic enantioselective hydrosilylation. <i>Tetrahedron Letters</i> , <b>1992</b> , 33, 7185-7188  | 2    | 85 |
| 188 | Highly efficient iron(0) nanoparticle-catalyzed hydrogenation in water in flow. <i>Green Chemistry</i> , <b>2013</b> , 15, 2141   | 10   | 82 |
| 187 | Asymmetric Hydrosilylation of 1-Alkenes Catalyzed by Palladium-MOP. <i>Bulletin of the Chemical Society of Japan</i> , <b>1995</b> , 68, 713-722  | 5.1  | 82 |
| 186 | Asymmetric allylic amination in water catalyzed by an amphiphilic resin-supported chiral palladium complex. <i>Organic Letters</i> , <b>2004</b> , 6, 281-3   | 6.2  | 80 |
| 185 | Development of chiral pincer palladium complexes bearing a pyrroloimidazolone unit. Catalytic use for asymmetric Michael addition. <i>Organic Letters</i> , <b>2004</b> , 6, 1833-5   | 6.2  | 80 |
| 184 | Cationic Palladium/Boxax Complexes for Catalytic Asymmetric Wacker-Type Cyclization. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 5071-5075  | 4.2  | 80 |
| 183 | Development of a convoluted polymeric nanopalladium catalyst: Alkylation of ketones and ring-opening alkylation of cyclic 1,3-diketones with primary alcohols. <i>Tetrahedron</i> , <b>2007</b> , 63, 8492-8498                                 | 2.4  | 78 |
| 182 | Green Catalysis: Hydroxycarbonylation of Aryl Halides in Water Catalyzed by an Amphiphilic Resin-Supported Phosphine-Palladium Complex. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 6921-6923                                       | 4.2  | 78 |
| 181 | A highly active and reusable self-assembled poly(imidazole/palladium) catalyst: allylic arylation/alkenylation. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 9437-41  | 16.4 | 77 |
| 180 | Design and Preparation of 3,3'-Disubstituted 2,2'-Bis(oxazolyl)-1,1'-binaphthyls (boxax): New Chiral Bis(oxazoline) Ligands for Catalytic Asymmetric Wacker-Type Cyclization. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 1620-1625 | 4.2  | 77 |
| 179 | Copper-Free Sonogashira coupling in water with an amphiphilic resin-supported palladium complex. <i>Tetrahedron</i> , <b>2010</b> , 66, 1064-1069   | 2.4  | 76 |
| 178 | Catalytic asymmetric hydrosilylation of ketones with new chiral ferrocenylphosphine-imine ligands. <i>Tetrahedron: Asymmetry</i> , <b>1995</b> , 6, 2503-2506   |      | 73 |
| 177 | Novel 3D coordination palladium-network complex: a recyclable catalyst for Suzuki-Miyaura reaction. <i>Organic Letters</i> , <b>2006</b> , 8, 4259-62   | 6.2  | 71 |
| 176 | Allylic substitution in water catalyzed by amphiphilic resin-supported palladium-phosphine complexes. <i>Tetrahedron</i> , <b>1999</b> , 55, 14341-14352  | 2.4  | 70 |
| 175 | Heck Reaction in Water with Amphiphilic Resin-Supported Palladium-Phosphine Complexes. <i>Synlett</i> , <b>2002</b> , 2002, 2045-2048   | 2.2  | 69 |
| 174 | Palladium-catalysed asymmetric hydrosilylation of styrenes with a new chiral monodentate phosphine ligand. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 1533  |      | 66 |

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| 173 | Modification of Chiral Monodentate Phosphine Ligands (MOP) for Palladium-Catalyzed Asymmetric Hydrosilylation of Cyclic 1,3-Dienes. <i>Advanced Synthesis and Catalysis</i> , <b>2001</b> , 343, 279-283                                | 5.6  | 64 |
| 172 | Enantioselective copper-catalyzed azide-alkyne cycloaddition for construction of chiral biaryl derivatives. <i>Organic Letters</i> , <b>2014</b> , 16, 5866-9   | 6.2  | 61 |
| 171 | Asymmetric allylic etherification of cycloalkenyl esters with phenols in water using a resin-supported chiral palladium complex. <i>Tetrahedron: Asymmetry</i> , <b>2006</b> , 17, 161-166  |      | 61 |
| 170 | Catalytic Oxidation of Alcohols in Water under Atmospheric Oxygen by Use of an Amphiphilic Resin-Dispersion of a Nanopalladium Catalyst. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 204-207  | 3.6  | 61 |
| 169 | In-water dehydrative alkylation of ammonia and amines with alcohols by a polymeric bimetallic catalyst. <i>Organic Letters</i> , <b>2011</b> , 13, 3892-5   | 6.2  | 60 |
| 168 | Asymmetric hydrosilylation of dihydrofurans by use of palladium-MOP catalyst. <i>Tetrahedron Letters</i> , <b>1993</b> , 34, 2335-2338  | 2    | 59 |
| 167 | Cycloisomerization of 1,6-enynes: asymmetric multistep preparation of a hydrindane framework in water with polymeric catalysts. <i>Organic Letters</i> , <b>2005</b> , 7, 291-3   | 6.2  | 58 |
| 166 | Enantioselective carbenoid insertion into phenolic O-H bonds with a chiral copper(I) imidazoindolephosphine complex. <i>Organic Letters</i> , <b>2012</b> , 14, 194-7   | 6.2  | 56 |
| 165 | A simple synthetic approach to homochiral 6- and 6'-substituted 1,1'-binaphthyl derivatives. <i>Tetrahedron</i> , <b>2003</b> , 59, 619-630   | 2.4  | 56 |
| 164 | Enantioselective alkynylation of biaryl ditriflates by palladium-catalyzed asymmetric cross-coupling. <i>Tetrahedron Letters</i> , <b>1996</b> , 37, 3161-3164  | 2    | 55 |
| 163 | Incorporation of molecular nitrogen into organic compounds. 2. Novel lactam synthesis by use of a combination system of carbonylation and nitrogenation. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 3725-3727 | 16.4 | 54 |
| 162 | Catalytic membrane-installed microchannel reactors for one-second allylic arylation. <i>Chemical Communications</i> , <b>2009</b> , 5594-6  | 5.8  | 53 |
| 161 | PCP Pincer Palladium Complexes and Their Catalytic Properties: Synthesis via the Electrophilic Ligand Introduction Route. <i>Organometallics</i> , <b>2006</b> , 25, 4883-4887  | 3.8  | 53 |
| 160 | Enantioselective desymmetrization of meso-cyclic anhydrides catalyzed by hexahydro-1H-pyrrolo[1,2-c]imidazolones. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 411-414  | 2    | 52 |
| 159 | Molecular-architecture-based administration of catalysis in water: self-assembly of an amphiphilic palladium pincer complex. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 4876-8                                | 16.4 | 51 |
| 158 | Palladium membrane-installed microchannel devices for instantaneous Suzuki-Miyaura cross-coupling. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 11311-9  | 4.8  | 50 |
| 157 | Asymmetric aza-Claisen rearrangement of allyl imidates catalyzed by homochiral cationic palladium(II) complexes. <i>Tetrahedron: Asymmetry</i> , <b>1998</b> , 9, 1065-1072   |      | 50 |
| 156 | pi-Allylic C1-substitution in water with nitromethane using amphiphilic resin-supported palladium complexes. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 8644-6   | 4.2  | 50 |

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| 155 | Clean synthesis of triaryl amines: Buchwald-Hartwig reaction in water with amphiphilic resin-supported palladium complexes. <i>Chemical Communications</i> , <b>2010</b> , 46, 1103-5  | 5.8 | 49 |
| 154 | Direct dehydrative esterification of alcohols and carboxylic acids with a macroporous polymeric acid catalyst. <i>Organic Letters</i> , <b>2013</b> , 15, 5798-801   | 6.2 | 48 |
| 153 | Development of an amphiphilic resin-dispersion of nanopalladium and nanoplatinum catalysts: design, preparation, and their use in green organic transformations. <i>Chemical Record</i> , <b>2009</b> , 9, 51-65   | 6.6 | 48 |
| 152 | A Nanoplatinum Catalyst for Aerobic Oxidation of Alcohols in Water. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 718-720  | 3.6 | 48 |
| 151 | Development of an amphiphilic resin-dispersion of nanopalladium catalyst: Design, preparation, and its use in aquacatalytic hydrodechlorination and aerobic oxidation. <i>Journal of Organometallic Chemistry</i> , <b>2007</b> , 692, 420-427                                 | 2.3 | 48 |
| 150 | Asymmetric hydrosilylation of cyclic 1,3-dienes catalyzed by an axially chiral monophosphine-palladium complex. <i>Tetrahedron Letters</i> , <b>1996</b> , 37, 4169-4172   | 2   | 48 |
| 149 | A catalytic asymmetric synthesis of $\beta$ -methylene lactones by the palladium-catalysed carbonylation of prochiral alkenyl halides. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1991</b> , 1593-1595  |     | 48 |
| 148 | Regio- and enantioselective hydrosilylation of 1-arylalkenes by use of palladium-MOP catalyst. <i>Tetrahedron: Asymmetry</i> , <b>1993</b> , 4, 2419-2422  |     | 47 |
| 147 | Total Syntheses of Prothracarcin and Tomaymycin by Use of Palladium Catalyzed Carbonylation. <i>Tetrahedron</i> , <b>1986</b> , 42, 3793-3806  | 2.4 | 46 |
| 146 | A New Optically Active Monodentate Phosphine Ligand, (R)-(+)-3-Diphenylphosphino-3?-methoxy-4,4?-biphenanthryl (MOP-phen): Preparation and Use for Palladium-Catalyzed Asymmetric Reduction of Allylic Esters with Formic Acid. <i>Synthesis</i> , <b>1994</b> , 1994, 526-532 | 2.9 | 45 |
| 145 | Asymmetric synthesis of allylsilanes by palladium-catalyzed asymmetric reduction of allylic carbonates with formic acid. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 4813-4816  | 2   | 45 |
| 144 | Catalytic asymmetric synthesis of optically active alcohols via hydrosilylation of olefins with a chiral monophosphine-palladium catalyst. <i>Pure and Applied Chemistry</i> , <b>1992</b> , 64, 1911-1916   | 2.1 | 45 |
| 143 | Iron-catalyzed C(sp <sup>3</sup> ) $\beta$ functionalization of methyl azaarenes: a green approach to azaarene-substituted $\beta$ -hydroxy carboxylic derivatives and 2-alkenylazaarenes. <i>RSC Advances</i> , <b>2014</b> , 4, 57875-57884                                  | 3.7 | 43 |
| 142 | An N-C-N Pincer Palladium Complex as an Efficient Catalyst Precursor for the Heck Reaction. <i>Advanced Synthesis and Catalysis</i> , <b>2004</b> , 346, 1693-1696   | 5.6 | 43 |
| 141 | Batch and Continuous-Flow Huisgen 1,3-Dipolar Cycloadditions with an Amphiphilic Resin-Supported Triazine-Based Polyethyleneamine Dendrimer Copper Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10722-10734                                   | 8.3 | 42 |
| 140 | Asymmetric Suzuki-Miyaura Coupling in Water with a Chiral Palladium Catalyst Supported on an Amphiphilic Resin. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 2746-2748  | 3.6 | 42 |
| 139 | H <sub>2</sub> O <sub>2</sub> -oxidation of alcohols promoted by polymeric phosphotungstate catalysts. <i>Organic Letters</i> , <b>2010</b> , 12, 4540-3   | 6.2 | 41 |
| 138 | Highly Efficient Heterogeneous Aqueous Kharasch Reaction with an Amphiphilic Resin-Supported Ruthenium Catalyst. <i>Advanced Synthesis and Catalysis</i> , <b>2008</b> , 350, 1771-1775  | 5.6 | 37 |

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| 137 | Low temperature hydrodeoxygenation of phenols under ambient hydrogen pressure to form cyclohexanes catalysed by Pt nanoparticles supported on H-ZSM-5. <i>Chemical Communications</i> , <b>2015</b> , 51, 17000-3                                    | 5.8 | 36 |
| 136 | Amphiphilic Resin-Supported Rhodium-Phosphine Catalysts for C-C Bond Forming Reactions in Water. <i>Advanced Synthesis and Catalysis</i> , <b>2002</b> , 344, 274-277  | 5.6 | 35 |
| 135 | Tightly convoluted polymeric phosphotungstate catalyst: an oxidative cyclization of alkenols and alkenoic acids. <i>Organic Letters</i> , <b>2007</b> , 9, 1501-4  | 6.2 | 34 |
| 134 | Controlled Monoarylation of Dibromoarenes in Water with a Polymeric Palladium Catalyst. <i>Synlett</i> , <b>2005</b> , 2005, 1775-1778   | 2.2 | 34 |
| 133 | Cyclization of o-Allylstyrene via Hydrosilylation: Mechanistic Aspects of Hydrosilylation of Styrenes Catalyzed by Palladium-Phosphine Complexes. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 6137-6140                                  | 4.2 | 34 |
| 132 | Allylic Sulfonylation in Water with Amphiphilic Resin-Supported Palladium-Phosphine Complexes. <i>Synthesis</i> , <b>2008</b> , 2008, 1960-1964  | 2.9 | 32 |
| 131 | Heterogeneous Asymmetric Catalysis in Water with Amphiphilic Polymer-Supported Homochiral Palladium Complexes. <i>Bulletin of the Chemical Society of Japan</i> , <b>2008</b> , 81, 1183-1195  | 5.1 | 32 |
| 130 | PS-PEG resin-supported palladium/MOP complexes. Application in asymmetric allylic reduction. <i>Tetrahedron</i> , <b>2004</b> , 60, 9297-9306  | 2.4 | 32 |
| 129 | Catalytic asymmetric synthesis of optically active alkenes by palladium-catalysed asymmetric reduction of racemic allylic esters with formic acid. <i>Chemical Communications</i> , <b>1996</b> , 1767   | 5.8 | 31 |
| 128 | Aerobic flow oxidation of alcohols in water catalyzed by platinum nanoparticles dispersed in an amphiphilic polymer. <i>RSC Advances</i> , <b>2015</b> , 5, 2647-2654  | 3.7 | 30 |
| 127 | A Palladium-Nanoparticle and Silicon-Nanowire-Array Hybrid: A Platform for Catalytic Heterogeneous Reactions. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 131-135  | 3.6 | 30 |
| 126 | Polymeric Bimetallic Catalyst-Promoted In-Water Dehydrative Alkylation of Ammonia and Amines with Alcohols. <i>Synthesis</i> , <b>2013</b> , 45, 2093-2100   | 2.9 | 30 |
| 125 | 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. <i>Tetrahedron: Asymmetry</i> , <b>2002</b> , 13, 1769-1772 |     | 30 |
| 124 | Palladium-Catalyzed Asymmetric Reduction of Racemic Allylic Esters with Formic Acid: Effects of Phosphine Ligands on Isomerization of Allylpalladium Intermediates and Enantioselectivity. <i>Tetrahedron</i> , <b>2000</b> , 56, 2247-2257          | 2.4 | 30 |
| 123 | Organoborane-Catalyzed Hydrogenation of Unactivated Aldehydes with a Hantzsch Ester as a Synthetic NAD(P)H Analogue. <i>Synlett</i> , <b>2015</b> , 26, 2037-2041  | 2.2 | 29 |
| 122 | Regiocontrol in palladium-catalysed allylic alkylation by addition of lithium iodide. <i>Chemical Communications</i> , <b>1998</b> , 217-218   | 5.8 | 29 |
| 121 | A Combinatorial Approach to Heterogeneous Asymmetric Aquacatalysis with Amphiphilic Polymer-Supported Chiral Phosphine-Palladium Complexes. <i>Advanced Synthesis and Catalysis</i> , <b>2006</b> , 348, 1561-1566                                   | 5.6 | 29 |
| 120 | A palladium NNC-pincer complex: an efficient catalyst for allylic arylation at parts per billion levels. <i>Chemical Communications</i> , <b>2015</b> , 51, 3886-8   | 5.8 | 28 |

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|-----|---|------|----|
| 119 | Synthesis of [2,6-Bis(2-oxazoliny)phenyl]palladium Complexes via the Ligand Introduction Route. <i>Organometallics</i> , <b>2008</b> , 27, 5159-5162  | 3.8  | 28 |
| 118 | Incorporation of molecular nitrogen into organic compounds. <i>Journal of Organometallic Chemistry</i> , <b>1990</b> , 399, 93-102  | 2.3  | 28 |
| 117 | An amphiphilic resin-dispersion of nanoparticles of platinum (ARP-Pt): a highly active and recyclable catalyst for the aerobic oxidation of a variety of alcohols in water. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 1092-8             | 4.5  | 27 |
| 116 | Chemoselective Continuous-Flow Hydrogenation of Aldehydes Catalyzed by Platinum Nanoparticles Dispersed in an Amphiphilic Resin. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7371-7377  | 13.1 | 26 |
| 115 | Brønsted acid-catalyzed selective C-C bond cleavage of 1,3-diketones: a facile synthesis of 4(3H)-quinazolinones in aqueous ethyl lactate. <i>RSC Advances</i> , <b>2015</b> , 5, 85646-85651   | 3.7  | 25 |
| 114 | A novel amphiphilic pincer palladium complex: design, preparation and self-assembling behavior. <i>Dalton Transactions</i> , <b>2011</b> , 40, 8859-68  | 4.3  | 25 |
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| 112 | Application of Boomerang-Linear Polystyrene-Stabilized Pd Nanoparticles to a Series of C-C Coupling Reactions in Water. <i>Catalysts</i> , <b>2015</b> , 5, 106-118   | 4    | 24 |
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