

# Mu-Wang Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/714337/publications.pdf>

Version: 2024-02-01

53  
papers

2,794  
citations

147566

31  
h-index

174990

52  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2002  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                        | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Chiral phosphoric acid-catalyzed regioselective synthesis of spiro aminals with quaternary stereocenters. <i>Tetrahedron Letters</i> , 2021, 65, 152793.                                                                                                       | 0.7 | 5         |
| 2  | Chiral Phosphoric Acid-Catalyzed Pictet-Spengler Reactions for Synthesis of 5- <i>trans</i> -Dihydrospiro[indoline-3,6-indolo[3,2- <i>c</i> ]]quinolin]-2-ones Containing Quaternary Stereocenters. <i>Journal of Organic Chemistry</i> , 2021, 86, 6897-6906. | 1.7 | 20        |
| 3  | $\hat{\pm}$ -Keto Acids as Triggers and Partners for the Synthesis of Quinazolinones, Quinoxalinones, Benzoxazinones, and Benzothiazoles in Water. <i>Journal of Organic Chemistry</i> , 2021, 86, 14866-14882.                                                | 1.7 | 12        |
| 4  | Enantioselective Synthesis of 2-Functionalized Tetrahydroquinolines through Biomimetic Reduction. <i>Organic Letters</i> , 2021, 23, 9112-9117.                                                                                                                | 2.4 | 12        |
| 5  | Enantioselective Synthesis of Tetrahydroquinolines <i>via</i> One-Pot Cascade Biomimetic Reduction. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1691-1695.                                                                                                 | 2.6 | 10        |
| 6  | Biomimetic asymmetric reduction of benzoxazinones and quinoxalinones using ureas as transfer catalysts. <i>Chemical Communications</i> , 2020, 56, 7309-7312.                                                                                                  | 2.2 | 22        |
| 7  | Palladium-catalyzed asymmetric hydrogenation of 2-aryl cyclic ketones for the synthesis of <i>trans</i> cycloalkanols through dynamic kinetic resolution under acidic conditions. <i>Chemical Communications</i> , 2020, 56, 5815-5818.                        | 2.2 | 12        |
| 8  | Synthesis of Chiral $\hat{\pm}$ -Fluoroalkyl $\hat{\pm}$ -Amino Acid Derivatives via Palladium-Catalyzed Hydrogenation. <i>Journal of Organic Chemistry</i> , 2019, 84, 10371-10379.                                                                           | 1.7 | 10        |
| 9  | Synthesis of chiral quaternary fluorinated cyclic sulfamidates via palladium-catalyzed arylation with arylboronic acids. <i>Tetrahedron Letters</i> , 2019, 60, 151280.                                                                                        | 0.7 | 3         |
| 10 | Enantioselective synthesis of trifluoromethylated dihydroquinoxalinones <i>via</i> palladium-catalyzed hydrogenation. <i>Organic Chemistry Frontiers</i> , 2019, 6, 746-750.                                                                                   | 2.3 | 20        |
| 11 | Chiral Phosphoric Acid-Catalyzed Synthesis of Fluorinated 5,6-Dihydroindolo[1,2- <i>c</i> ]quinazolines with Quaternary Stereocenters. <i>Journal of Organic Chemistry</i> , 2019, 84, 8300-8308.                                                              | 1.7 | 14        |
| 12 | Catalytic Asymmetric Synthesis of Isoindolinones. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1306-1322.                                                                                                                                                   | 1.7 | 45        |
| 13 | Construction of Multiple-Substituted Chiral Cyclohexanes through Hydrogenative Desymmetrization of 2,2,5-Trisubstituted 1,3-Cyclohexanediones. <i>Organic Letters</i> , 2019, 21, 9401-9404.                                                                   | 2.4 | 15        |
| 14 | Catalytic Biomimetic Asymmetric Reduction of Alkenes and Imines Enabled by Chiral and Regenerable NAD(P)H Models. <i>Angewandte Chemie</i> , 2019, 131, 1827-1831.                                                                                             | 1.6 | 7         |
| 15 | Catalytic Biomimetic Asymmetric Reduction of Alkenes and Imines Enabled by Chiral and Regenerable NAD(P)H Models. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1813-1817.                                                                      | 7.2 | 51        |
| 16 | Facile Synthesis of Chiral Cyclic Ureas through Hydrogenation of 2-Hydroxypyrimidine/Pyrimidinone Tautomers. <i>Angewandte Chemie</i> , 2018, 130, 5955-5959.                                                                                                  | 1.6 | 5         |
| 17 | Facile Synthesis of Chiral Cyclic Ureas through Hydrogenation of 2-Hydroxypyrimidine/Pyrimidinone Tautomers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5853-5857.                                                                           | 7.2 | 43        |
| 18 | Synthesis of chiral sultams with two adjacent stereocenters <i>via</i> palladium-catalyzed dynamic kinetic resolution. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1113-1117.                                                                                | 2.3 | 17        |

| #  | ARTICLE                                                                                                                                                                                                                                      | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Iridium-Catalyzed Asymmetric Hydrogenation of 4,6-Disubstituted 2-Hydroxypyrimidines. <i>Organic Letters</i> , 2018, 20, 6415-6419.                                                                                                          | 2.4 | 28        |
| 20 | C2-Symmetric Hindered $\pi$ -Sandwich Chiral N-Heterocyclic Carbene Precursors and Their Transition Metal Complexes: Expedient Syntheses, Structural Authentication, and Catalytic Properties. <i>Organometallics</i> , 2018, 37, 3756-3769. | 1.1 | 11        |
| 21 | Organocatalytic Asymmetric Reduction of Fluorinated Alkynyl Ketimines. <i>Journal of Organic Chemistry</i> , 2018, 83, 8688-8694.                                                                                                            | 1.7 | 28        |
| 22 | Iridium-catalyzed asymmetric hydrogenation of cyclic iminium salts. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1125-1129.                                                                                                                 | 2.3 | 24        |
| 23 | Synthesis of chiral sultams via palladium-catalyzed intramolecular asymmetric reductive amination. <i>Chemical Communications</i> , 2017, 53, 1704-1707.                                                                                     | 2.2 | 44        |
| 24 | Asymmetric Hydrogenation of Isoquinolines and Pyridines Using Hydrogen Halide Generated in Situ as Activator. <i>Organic Letters</i> , 2017, 19, 4988-4991.                                                                                  | 2.4 | 59        |
| 25 | Synthesis of Chiral Fluorinated Hydrazines via Pd-Catalyzed Asymmetric Hydrogenation. <i>Organic Letters</i> , 2016, 18, 2676-2679.                                                                                                          | 2.4 | 36        |
| 26 | Kinetic Resolution of Axially Chiral 5- or 8-Substituted Quinolines via Asymmetric Transfer Hydrogenation. <i>Journal of the American Chemical Society</i> , 2016, 138, 10413-10416.                                                         | 6.6 | 112       |
| 27 | Synthesis of Chiral Fluorinated Propargylamines via Chemoselective Biomimetic Hydrogenation. <i>Organic Letters</i> , 2016, 18, 4650-4653.                                                                                                   | 2.4 | 62        |
| 28 | Enantioselective Synthesis of $\beta$ -Amino Phosphonates via Pd-Catalyzed Asymmetric Hydrogenation. <i>Organic Letters</i> , 2016, 18, 692-695.                                                                                             | 2.4 | 59        |
| 29 | Enantioselective Palladium-Catalyzed C-H Functionalization of Indoles Using an Axially Chiral 2,2'-Bipyridine Ligand. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11956-11960.                                              | 7.2 | 113       |
| 30 | C-H Oxidation/Michael Addition/Cyclization Cascade for Enantioselective Synthesis of Functionalized 2-Amino-4-chromenes. <i>Organic Letters</i> , 2015, 17, 6134-6137.                                                                       | 2.4 | 81        |
| 31 | Formal Palladium-Catalyzed Asymmetric Hydrogenolysis of Racemic N-Sulfonyloxaziridines. <i>Organic Letters</i> , 2015, 17, 190-193.                                                                                                          | 2.4 | 32        |
| 32 | Highly selective partial dehydrogenation of tetrahydroisoquinolines using modified Pd/C. <i>Chinese Journal of Catalysis</i> , 2015, 36, 33-39.                                                                                              | 6.9 | 10        |
| 33 | Iridium-Catalyzed Selective Hydrogenation of 3-Hydroxypyridinium Salts: A Facile Synthesis of Piperidin-3-ones. <i>Organic Letters</i> , 2015, 17, 1640-1643.                                                                                | 2.4 | 29        |
| 34 | Pd-catalyzed asymmetric hydrogenation of fluorinated aromatic pyrazol-5-ols via capture of active tautomers. <i>Chemical Science</i> , 2015, 6, 3415-3419.                                                                                   | 3.7 | 41        |
| 35 | Enantioselective synthesis of trifluoromethyl substituted piperidines with multiple stereogenic centers via hydrogenation of pyridinium hydrochlorides. <i>Organic Chemistry Frontiers</i> , 2015, 2, 586-589.                               | 2.3 | 38        |
| 36 | Concise Redox Deracemization of Secondary and Tertiary Amines with a Tetrahydroisoquinoline Core via a Nonenzymatic Process. <i>Journal of the American Chemical Society</i> , 2015, 137, 10496-10499.                                       | 6.6 | 89        |

| #  | ARTICLE                                                                                                                                                                                                  | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | A Streamlined Synthesis of 2,3-Dihydrobenzofurans via the ortho-Quinone Methides Generated from 2-Alkyl-Substituted Phenols. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 383-387.               | 2.1 | 52        |
| 38 | Homogenous Pd-Catalyzed Asymmetric Hydrogenation of Unprotected Indoles: Scope and Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2014, 136, 7688-7700.                          | 6.6 | 169       |
| 39 | A Concise Synthesis of 2-(2-Hydroxyphenyl)acetonitriles via the ortho-Quinone Methides Generated from 1-Tosylalkylphenols. <i>Chinese Journal of Chemistry</i> , 2014, 32, 981-984.                      | 2.6 | 15        |
| 40 | Asymmetric Hydrogenation via Capture of Active Intermediates Generated from Aza-Pinacol Rearrangement. <i>Journal of the American Chemical Society</i> , 2014, 136, 15837-15840.                         | 6.6 | 30        |
| 41 | Facile construction of three contiguous stereogenic centers via dynamic kinetic resolution in asymmetric transfer hydrogenation of quinolines. <i>Chemical Communications</i> , 2014, 50, 12526-12529.   | 2.2 | 52        |
| 42 | 4,5-Dihydropyrrolo[1,2-a]quinoxalines: A Tunable and Regenerable Biomimetic Hydrogen Source. <i>Organic Letters</i> , 2014, 16, 1406-1409.                                                               | 2.4 | 63        |
| 43 | An efficient route to chiral N-heterocycles bearing a C-F stereogenic center via asymmetric hydrogenation of fluorinated isoquinolines. <i>Chemical Communications</i> , 2013, 49, 8537.                 | 2.2 | 41        |
| 44 | Enantioselective Iridium-Catalyzed Hydrogenation of 1- and 3-Substituted Isoquinolinium Salts. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3685-3689.                                   | 7.2 | 123       |
| 45 | A mild method for generation of o-quinone methides under basic conditions. The facile synthesis of trans-2,3-dihydrobenzofurans. <i>Chemical Communications</i> , 2013, 49, 1660.                        | 2.2 | 107       |
| 46 | Enantioselective Synthesis of Endocyclic $\beta$ -Amino Acids with Two Contiguous Stereocenters via Hydrogenation of 3-Alkoxy carbonyl-2-Substituted Quinolines. <i>Synthesis</i> , 2013, 45, 3239-3244. | 1.2 | 13        |
| 47 | Asymmetric hydrogenolysis of racemic tertiary alcohols, 3-substituted 3-hydroxyisoindolin-1-ones. <i>Chemical Communications</i> , 2012, 48, 1698-1700.                                                  | 2.2 | 90        |
| 48 | Iridium-Catalyzed Asymmetric Hydrogenation of Pyridinium Salts. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10181-10184.                                                                | 7.2 | 135       |
| 49 | Enantioselective Pd-catalyzed hydrogenation of tetrasubstituted olefins of cyclic $\beta$ -(arylsulfonamido)acrylates. <i>Tetrahedron Letters</i> , 2012, 53, 2560-2563.                                 | 0.7 | 42        |
| 50 | Dehydration triggered asymmetric hydrogenation of 3-( $\pm$ -hydroxyalkyl)indoles. <i>Chemical Science</i> , 2011, 2, 803.                                                                               | 3.7 | 157       |
| 51 | Biomimetic Asymmetric Hydrogenation: In Situ Regenerable Hantzsch Esters for Asymmetric Hydrogenation of Benzoxazinones. <i>Journal of the American Chemical Society</i> , 2011, 133, 16432-16435.       | 6.6 | 175       |
| 52 | An Enantioselective Approach to 2,3-Disubstituted Indolines through Consecutive Brønsted Acid/Pd-Complex-Promoted Tandem Reactions. <i>Chemistry - A European Journal</i> , 2011, 17, 7193-7197.         | 1.7 | 90        |
| 53 | Enantioselective Pd-Catalyzed Hydrogenation of Fluorinated Imines: Facile Access to Chiral Fluorinated Amines. <i>Organic Letters</i> , 2010, 12, 5075-5077.                                             | 2.4 | 94        |