

Satoru Kuwano

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Enhanced Rate and Selectivity by Carboxylate Salt as a Basic Cocatalyst in Chiral N-Heterocyclic Carbene-Catalyzed Asymmetric Acylation of Secondary Alcohols. <i>Journal of the American Chemical Society</i> , 2013, 135, 11485-11488. | 13.7 | 121 |
| 2 | A chiral organic base catalyst with halogen-bonding-donor functionality: asymmetric Mannich reactions of malononitrile with <i>N</i> -Boc aldimines and ketimines. <i>Chemical Communications</i> , 2018, 54, 3847-3850. | 4.1 | 71 |
| 3 | Chemoselective conversion of $\hat{\pm}$ -unbranched aldehydes to amides, esters, and carboxylic acids by NHC-catalysis. <i>Chemical Communications</i> , 2012, 48, 145-147. | 4.1 | 67 |
| 4 | Kinetic Resolution of Secondary Alcohols Catalyzed by Chiral Phosphoric Acids. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10227-10230. | 13.8 | 60 |
| 5 | Catalysis Based on $\hat{\pm}$ Halogen Bonds: Electrophilic Activation of $\hat{\pm}$ Alkenylindoles by Cationic Halogen-Bond Donors for [4+2] Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10220-10224. | 13.8 | 47 |
| 6 | Chiral Bis(imidazolidine)iodobenzene (I-Bidine) Organocatalyst for Thiochromane Synthesis Using an Asymmetric Michael/Henry Reaction. <i>Synlett</i> , 2016, 28, 122-127. | 1.8 | 33 |
| 7 | Catalytic Asymmetric Mannich-Type Reaction of Malononitrile with <i>N</i> -Boc $\hat{\pm}$ Ketiminoesters Using Chiral Organic Base Catalyst with Halogen Bond Donor Functionality. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1674-1678. | 4.3 | 29 |
| 8 | A Hypervalent Cyclic Dibenziodolium Salt as a Halogen-Bond Donor Catalyst for the [4+2] Cycloaddition of $\hat{\pm}$ Alkenylindoles. <i>ChemPlusChem</i> , 2021, 86, 741-744. | 2.8 | 23 |
| 9 | <i>N</i> -Heterocyclic Carbene-Catalyzed Benzoin Strategy for Divergent Synthesis of Cyclitol Derivatives from Alditols. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 131-147. | 4.3 | 20 |
| 10 | Non-Bonding Electron Pair versus $\hat{\pm}$ Electrons in Solution Phase Halogen Bond Catalysis: Povarov Reaction of $\hat{\pm}$ Vinylindoles and Imines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3208-3212. | 4.3 | 17 |
| 11 | Site-selective benzoin-type cyclization of unsymmetrical dialdoses catalyzed by N-heterocyclic carbenes for divergent cyclitol synthesis. <i>Chemical Communications</i> , 2017, 53, 4469-4472. | 4.1 | 16 |
| 12 | Chiral Benzazaborole-Catalyzed Regioselective Sulfonylation of Unprotected Carbohydrate Derivatives. <i>Chemistry - A European Journal</i> , 2019, 25, 12920-12923. | 3.3 | 16 |
| 13 | Catalytic asymmetric [3 + 2]-cycloaddition for stereodivergent synthesis of chiral indolyl-pyrrolidines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1831-1839. | 2.8 | 14 |
| 14 | Catalysis Based on $\hat{\pm}$ Halogen Bonds: Electrophilic Activation of $\hat{\pm}$ Alkenylindoles by Cationic Halogen-Bond Donors for [4+2] Cycloadditions. <i>Angewandte Chemie</i> , 2019, 131, 10326-10330. | 2.0 | 14 |
| 15 | Oxa- and Azacycle Formation via Migrative Cyclization of Sulfonylalkynol and Sulfonylalkynamide with N-Heterocyclic Carbene. <i>Journal of Organic Chemistry</i> , 2016, 81, 2652-2664. | 3.2 | 13 |
| 16 | Chiral benzazaboroles as catalysts for enantioselective sulfonylation of <i>cis</i> -1,2-diols. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4475-4482. | 2.8 | 11 |
| 17 | 2-Iodoimidazolium Salt-Catalyzed Friedel-Crafts Reaction: Synthesis of Bis(indolyl)methane Alkaloids. <i>Heterocycles</i> , 2018, 97, 163. | 0.7 | 11 |
| 18 | Catalytic Asymmetric Mannich Reaction of Isatin-derived <i>N</i> -Boc Imines with Malononitrile by Bis(imidazolidine)-derived Pincer Rh Complex. <i>ChemistrySelect</i> , 2017, 2, 7368-7371. | 1.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Chiral <i>C</i> ₂ -Symmetric Aminomethylbinaphthol as Synergistic Catalyst for Asymmetric Epoxidation of Alkylidenemalononitriles: Easy Access to Chiral Spirooxindoles. <i>Organic Letters</i> , 2021, 23, 1980-1985. | 4.6 | 10 |
| 20 | Enhanced Molecular Recognition through Substrate-Additive Complex Formation in N-Heterocyclic-Carbene-Catalyzed Kinetic Resolution of \pm -Hydroxythioamides. <i>ACS Catalysis</i> , 2022, 12, 6100-6107. | 11.2 | 10 |
| 21 | Chiral Dinuclear Benzyliminobinaphthoxy-Palladium Catalyst for Asymmetric Mannich Reaction of Aldimines and Isatin-Derived Ketimines with Alkylmalononitriles. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3105-3109. | 4.3 | 7 |
| 22 | N-Heterocyclic Carbene-Promoted [3+2] Cycloaddition of Allenyl Sulfone and Arylidenemalononitriles. <i>Heterocycles</i> , 2017, 95, 232. | 0.7 | 6 |
| 23 | Bis(imidazolidine)pyridine-CoCl ₂ : A Novel, Catalytically Active Neutral Complex for Asymmetric Michael Reaction of 1,3-Carbonyl Compounds with Nitroalkenes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3704-3711. | 4.3 | 6 |
| 24 | Enantio- and diastereoselective double Mannich reaction of malononitrile with <i>N</i> -Boc imines using quinine-derived bifunctional organoiodine catalyst. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6969-6973. | 2.8 | 4 |
| 25 | N-Heterocyclic Carbene Catalyzed Monoacylation of Vicinal Diols. <i>Synthesis</i> , 2016, 48, 573-578. | 2.3 | 2 |
| 26 | Catalytic Asymmetric Chlorination of β -Ketoesters Using N-PFB-Pyridine-Zn(OAc) ₂ . <i>Catalysts</i> , 2020, 10, 1177. | 3.5 | 1 |
| 27 | Chiral Aminomethylbinaphthol-Catalyzed Diastereo- and Enantioselective Epoxidation of Trisubstituted Acrylonitriles. <i>Advanced Synthesis and Catalysis</i> , 0, , . | 4.3 | 0 |