

Jaesook Yun

List of Publications by Year in descending order

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77
papers

5,109
citations

87888

38
h-index

88630

70
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101
all docs

101
docs citations

101
times ranked

2663
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Copper-catalysed asymmetric reductive cross-coupling of prochiral alkenes. <i>Nature Communications</i> , 2022, 13, 2570. | 12.8 | 6 |
| 2 | Asymmetric Conjugate Addition of Chiral Secondary Borylalkyl Copper Species. <i>Angewandte Chemie</i> , 2021, 133, 4664-4668. | 2.0 | 2 |
| 3 | Asymmetric Conjugate Addition of Chiral Secondary Borylalkyl Copper Species. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4614-4618. | 13.8 | 12 |
| 4 | Kinetic Resolution and Dynamic Kinetic Resolution of $\hat{1}^3$ -Aryl-Substituted Butenolides via Copper-Catalyzed 1,4-Hydroboration. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2377-2381. | 4.3 | 2 |
| 5 | Enantioselective Cyclopropanation/[1,5]-Hydrogen Shift to Access Rauhut's Carrier Product. <i>Organic Letters</i> , 2021, 23, 213-217. | 4.6 | 8 |
| 6 | Divergent Access to Benzocycles through Copper-Catalyzed Borylative Cyclizations. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4953-4959. | 4.3 | 5 |
| 7 | Direct Stereoconvergent Allylation of Chiral Alkylcopper Nucleophiles with Racemic Allylic Phosphates. <i>Chemistry - A European Journal</i> , 2020, 26, 2592-2596. | 3.3 | 8 |
| 8 | Asymmetric Synthesis of 1,2-Dihydronaphthalene-1-ols via Copper-Catalyzed Intramolecular Reductive Cyclization. <i>Organic Letters</i> , 2020, 22, 7897-7902. | 4.6 | 13 |
| 9 | Asymmetric synthesis of $\hat{1}^3$ -chiral borylalkanes via sequential reduction/hydroboration using a single copper catalyst. <i>Chemical Science</i> , 2020, 11, 8961-8965. | 7.4 | 4 |
| 10 | LiO <i>t</i> Bu-promoted stereoselective deconjugation of $\hat{1}^2, \hat{1}^2$ -unsaturated diesters probed using density functional theory. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3427-3433. | 4.5 | 4 |
| 11 | Pd-Catalyzed Stereospecific Cross-Coupling of Chiral $\hat{1}^{\pm}$ -Borylalkylcopper Species with Aryl Bromides. <i>ACS Catalysis</i> , 2020, 10, 2069-2073. | 11.2 | 28 |
| 12 | Four-Channel Monitoring System with Surface Acoustic Wave Sensors for Detection of Chemical Warfare Agents. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 7151-7157. | 0.9 | 11 |
| 13 | Asymmetric synthesis of $\hat{1}^{\pm}$ -chiral $\hat{1}^2$ -hydroxy allenes: copper-catalyzed $\hat{1}^3$ -selective borylative coupling of vinyl arenes and propargyl phosphates. <i>Chemical Communications</i> , 2019, 55, 9813-9816. | 4.1 | 14 |
| 14 | Copper-Catalyzed Asymmetric Reduction of $\hat{1}^2, \hat{1}^2$ -Disubstituted Alkenylboramides. <i>Organic Letters</i> , 2019, 21, 8779-8782. | 4.6 | 8 |
| 15 | Catalytic Asymmetric Conjugate Addition of a Borylalkyl Copper Complex for Chiral Organoboronate Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18131-18135. | 13.8 | 34 |
| 16 | Asymmetric Synthesis of 1-Benzazepine Derivatives via Copper-Catalyzed Intramolecular Reductive Cyclization. <i>Organic Letters</i> , 2019, 21, 9699-9703. | 4.6 | 22 |
| 17 | Catalytic Asymmetric Conjugate Addition of a Borylalkyl Copper Complex for Chiral Organoboronate Synthesis. <i>Angewandte Chemie</i> , 2019, 131, 18299-18303. | 2.0 | 5 |
| 18 | NHC-copper-thiophene-2-carboxylate complex for the hydroboration of terminal alkynes. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5249-5252. | 2.8 | 15 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Asymmetric Synthesis of $\hat{1}^3$ -Hydroxy Pinacolboronates through Copper-Catalyzed Enantioselective Hydroboration of $\hat{1}^{\pm}, \hat{1}^2$ -Unsaturated Aldehydes. <i>Journal of Organic Chemistry</i> , 2019, 84, 4429-4434. | 3.2 | 13 |
| 20 | Asymmetric synthesis of chiral tertiary borylated phosphonates by copper-catalyzed conjugate borylation. <i>Tetrahedron</i> , 2019, 75, 4250-4254. | 1.9 | 5 |
| 21 | Crystal Structure of IlvC, a Ketol-Acid Reductoisomerase, from <i>Streptococcus Pneumoniae</i> . <i>Crystals</i> , 2019, 9, 551. | 2.2 | 5 |
| 22 | Copper-Catalyzed Asymmetric Synthesis of Borylated <i>cis</i> -Disubstituted Indolines. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2365-2368. | 3.3 | 27 |
| 23 | Copper-Catalyzed Synthesis of Tetrasubstituted Enynylboronates via Chemo-, Regio-, and Stereoselective Borylalkynylation. <i>Organic Letters</i> , 2018, 20, 2104-2107. | 4.6 | 29 |
| 24 | Copper-Catalyzed Regioselective and Diastereoselective Synthesis of Borylated 1-Benzo[<i>b</i>]azepines. <i>Organic Letters</i> , 2018, 20, 7526-7529. | 4.6 | 31 |
| 25 | Copper(I)-Catalyzed Enantioselective 1,6-Borylation of $\hat{1}^{\pm}, \hat{1}^2, \hat{1}^3, \hat{1}^4$ -Unsaturated Phosphonates. <i>Organic Letters</i> , 2018, 20, 7961-7964. | 4.6 | 20 |
| 26 | Copper-Catalyzed Tandem Hydrocupration and Diastereo- and Enantioselective Borylalkyl Addition to Aldehydes. <i>Angewandte Chemie</i> , 2018, 130, 12292-12296. | 2.0 | 7 |
| 27 | Copper-Catalyzed Tandem Hydrocupration and Diastereo- and Enantioselective Borylalkyl Addition to Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12116-12120. | 13.8 | 30 |
| 28 | Detection of Dimethyl Methylphosphonate (DMMP) Using Polyhedral Oligomeric Silsesquioxane (POSS). <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6565-6569. | 0.9 | 11 |
| 29 | NHC-Copper-Catalyzed Tandem Hydrocupration and Allylation of Alkenyl Boronates. <i>Synthesis</i> , 2017, 49, 4753-4758. | 2.3 | 18 |
| 30 | Copper-Catalyzed Enantioselective Hydroboration of Unactivated 1,1-Disubstituted Alkenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 13660-13663. | 13.7 | 118 |
| 31 | Highly Enantioselective Hydrosilylation of Ketones Catalyzed by a Chiral Oxazaborolidinium Ion. <i>Organic Letters</i> , 2017, 19, 6316-6319. | 4.6 | 28 |
| 32 | SAR Studies of Indole-5-propanoic Acid Derivatives To Develop Novel GPR40 Agonists. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 1336-1340. | 2.8 | 9 |
| 33 | Copper-Catalyzed Asymmetric Borylallylation of Vinyl Arenes. <i>Organic Letters</i> , 2017, 19, 6144-6147. | 4.6 | 48 |
| 34 | Copper-Catalyzed <i>trans</i> -Hydroboration of Terminal Aryl Alkynes: Stereodivergent Synthesis of Alkenylboron Compounds. <i>Organic Letters</i> , 2016, 18, 1390-1393. | 4.6 | 117 |
| 35 | Copper-Catalyzed Asymmetric Borylative Ring Opening of Diazabicycles. <i>ACS Catalysis</i> , 2016, 6, 6487-6490. | 11.2 | 27 |
| 36 | Asymmetric Synthesis of Borylalkanes via Copper-Catalyzed Enantioselective Hydroallylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 15146-15149. | 13.7 | 88 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Rhodium-Catalyzed Addition of Alkyltrifluoroborate Salts to Imines. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2219-2222. | 4.3 | 14 |
| 38 | Asymmetric Catalytic Borylation of $\hat{1},\hat{2}$ -Unsaturated Acceptors. <i>Topics in Organometallic Chemistry</i> , 2015, , 73-92. | 0.7 | 15 |
| 39 | Regioselective synthesis of highly functionalized alkenylboronates by Cu-catalyzed borylation of propargylic silylalkynes. <i>Dalton Transactions</i> , 2015, 44, 12091-12093. | 3.3 | 17 |
| 40 | Highly Regio- and Stereoselective Synthesis of Boron-Substituted Enynes via Copper-Catalyzed Borylation of Conjugated Diynes. <i>Organic Letters</i> , 2015, 17, 860-863. | 4.6 | 45 |
| 41 | Copper(I)-Taniaphos Catalyzed Enantiodivergent Hydroboration of Bicyclic Alkenes. <i>Organic Letters</i> , 2015, 17, 764-766. | 4.6 | 66 |
| 42 | Origin of Regioselectivity in the Copper-Catalyzed Borylation Reactions of Internal Aryl Alkynes with Bis(pinacolato)diboron. <i>Organometallics</i> , 2015, 34, 2151-2159. | 2.3 | 40 |
| 43 | Copper-Catalyzed Synthesis of 1,1-Diborylalkanes through Regioselective Dihydroboration of Terminal Alkynes. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2440-2443. | 3.3 | 63 |
| 44 | Copper-Catalyzed Monoborylation of Silylalkynes; Regio- and Stereoselective Synthesis of (<i>Z</i>)- $\hat{1},\hat{2}$ -(Borylvinyl)silanes. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 843-849. | 4.3 | 26 |
| 45 | Effects of ligand and cosolvent on oxidative coupling polymerization of 2,6-dimethylphenol catalyzed by chelating amine-copper(II) complexes. <i>Macromolecular Research</i> , 2013, 21, 1054-1058. | 2.4 | 1 |
| 46 | Regio- and Enantioselective Copper(I)-Catalyzed Hydroboration of Borylalkenes: Asymmetric Synthesis of 1,1-Diborylalkanes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3989-3992. | 13.8 | 217 |
| 47 | Rh-catalyzed Addition of $\hat{2}$ -Carbonyl Pinacol Alkylboronates to Aldehydes: Asymmetric Synthesis of $\hat{3}$ -Butyrolactones. <i>Organic Letters</i> , 2013, 15, 3416-3419. | 4.6 | 31 |
| 48 | Copper(I)-Catalyzed Boron Addition Reactions of Alkynes with Diboron Reagents. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 1016-1025. | 2.7 | 123 |
| 49 | Copper-Catalyzed Double Borylation of Silylacetylenes: Highly Regio- and Stereoselective Synthesis of <i>Syn</i> -Vicinal Diboronates. <i>Organic Letters</i> , 2012, 14, 2606-2609. | 4.6 | 66 |
| 50 | Copper-catalyzed boration of activated alkynes. Chiral boranes via a one-pot copper-catalyzed boration and reduction protocol. <i>Tetrahedron</i> , 2012, 68, 3444-3449. | 1.9 | 54 |
| 51 | Highly regio- and stereoselective synthesis of alkenylboronic esters by copper-catalyzed boron additions to disubstituted alkynes. <i>Chemical Communications</i> , 2011, 47, 2943-2945. | 4.1 | 141 |
| 52 | An Efficient Copper(I)-Catalyst System for the Asymmetric Hydroboration of $\hat{2}$ -Substituted Vinylarenes with Pinacolborane. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1967-1969. | 3.3 | 104 |
| 53 | Copper-Catalyzed Asymmetric 1,4-Hydroboration of Coumarins with Pinacolborane: Asymmetric Synthesis of Dihydrocoumarins. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1881-1885. | 4.3 | 53 |
| 54 | Conjugate Boration of $\hat{2},\hat{2}$ -Disubstituted Unsaturated Esters: Asymmetric Synthesis of Functionalized Chiral Tertiary Organoboronic Esters. <i>Chemistry - A European Journal</i> , 2010, 16, 13609-13612. | 3.3 | 106 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | Catalytic Activity of Phosphine-Copper Complexes for Hydroboration of Styrene with Pinacolborane: Experiment and Theory. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12112-12115. | 2.5 | 30 |
| 56 | Bis(imidazoline-2-thione)-copper(i) catalyzed regioselective boron addition to internal alkynes. <i>Chemical Communications</i> , 2010, 46, 758-760. | 4.1 | 153 |
| 57 | Copper-Catalyzed Conjugate Addition of Diboron Reagents to α,β -Unsaturated Amides: Highly Reactive Copper-1,2-Bis(diphenylphosphino)benzene Catalyst System. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 855-858. | 4.3 | 145 |
| 58 | Copper-Catalyzed Enantioselective α -Boration of Acyclic Enones. <i>Chemistry - A European Journal</i> , 2009, 15, 1939-1943. | 3.3 | 157 |
| 59 | Asymmetric Synthesis of 1,1-Diaryllalkyl Units by a Copper Hydride Catalyzed Reduction: Differentiation Between Two Similar Aryl Substituents. <i>Chemistry - A European Journal</i> , 2009, 15, 11134-11138. | 3.3 | 49 |
| 60 | Highly Regio- and Enantioselective Copper-Catalyzed Hydroboration of Styrenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6062-6064. | 13.8 | 276 |
| 61 | Highly Regio- and Enantioselective Copper-Catalyzed Hydroboration of Styrenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6938-6938. | 13.8 | 1 |
| 62 | Enantioselective Synthesis of (R)-Tolterodine via CuH-Catalyzed Asymmetric Conjugate Reduction. <i>Journal of Organic Chemistry</i> , 2009, 74, 4232-4235. | 3.2 | 29 |
| 63 | Catalytic enantioselective boron conjugate addition to cyclic carbonyl compounds: a new approach to cyclic α -hydroxy carbonyls. <i>Chemical Communications</i> , 2009, , 6577. | 4.1 | 118 |
| 64 | Catalytic Asymmetric Boration of Acyclic α,β -Unsaturated Esters and Nitriles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 145-147. | 13.8 | 350 |
| 65 | Inside Cover: Catalytic Asymmetric Boration of Acyclic α,β -Unsaturated Esters and Nitriles (<i>Angew. Chem.</i>) <i>Angewandte Chemie - International Edition</i> , 2008, 47, 145-147. | 13.8 | 162 |
| 66 | Copper-catalyzed addition of diboron reagents to α,β -acetylenic esters: efficient synthesis of α -boryl- α,β -ethylenic esters. <i>Chemical Communications</i> , 2008, , 733-734. | 4.1 | 192 |
| 67 | Copper-Catalyzed Asymmetric Reduction of 3,3-Diarylacrylonitriles. <i>Organic Letters</i> , 2007, 9, 2749-2751. | 4.6 | 50 |
| 68 | Copper-Catalyzed α -Boration of α,β -Unsaturated Carbonyl Compounds: Rate Acceleration by Alcohol Additives. <i>Organic Letters</i> , 2006, 8, 4887-4889. | 4.6 | 303 |
| 69 | Highly Enantioselective Conjugate Reduction of α,β -Disubstituted α,β -Unsaturated Nitriles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2785-2787. | 13.8 | 105 |
| 70 | Zinc-Catalyzed Enantioselective Hydrosilylation of Imines. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1029-1032. | 4.3 | 97 |
| 71 | Direct synthesis of Stryker's reagent from a Cu(II) salt. <i>Tetrahedron Letters</i> , 2005, 46, 2037-2039. | 1.4 | 63 |
| 72 | Highly efficient conjugate reduction of α,β -unsaturated nitriles catalyzed by copper/xanthene-type bisphosphine complexes. <i>Chemical Communications</i> , 2005, , 1755-1757. | 4.1 | 56 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 73 | A new alternative to Stryker's reagent in hydrosilylation: synthesis, structure, and reactivity of a well-defined carbene-copper(ii) acetate complex. <i>Chemical Communications</i> , 2005, , 5181. | 4.1 | 81 |
| 74 | Copper-catalyzed asymmetric hydrosilylation of ketones using air and moisture stable precatalyst Cu(OAc) ₂ ·H ₂ O. <i>Tetrahedron Letters</i> , 2004, 45, 5415-5417. | 1.4 | 111 |
| 75 | One-Pot Synthesis of Enantiomerically Enriched 2,3-Disubstituted Cyclopentanones via Copper-Catalyzed 1,4-Reduction and Alkylation. <i>Organic Letters</i> , 2001, 3, 1129-1131. | 4.6 | 73 |
| 76 | Kinetic resolution and isomerization of 2,5-disubstituted pyrrolines. , 2000, 12, 476-478. | | 10 |
| 77 | Titanocene-Catalyzed Asymmetric Ketone Hydrosilylation: The Effect of Catalyst Activation Protocol and Additives on the Reaction Rate and Enantioselectivity. <i>Journal of the American Chemical Society</i> , 1999, 121, 5640-5644. | 13.7 | 198 |