

Jaesook Yun

List of Publications by Year in descending order

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77
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5,109
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87888

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docs citations

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times ranked

2663
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#	ARTICLE	IF	CITATIONS
1	Catalytic Asymmetric Boration of Acyclic $\hat{1},\hat{2}$ -Unsaturated Esters and Nitriles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 145-147.	13.8	350
2	Copper-Catalyzed $\hat{1},\hat{2}$ -Boration of $\hat{1},\hat{2}$ -Unsaturated Carbonyl Compounds: Rate Acceleration by Alcohol Additives. <i>Organic Letters</i> , 2006, 8, 4887-4889.	4.6	303
3	Highly Regio- and Enantioselective Copper-Catalyzed Hydroboration of Styrenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6062-6064.	13.8	276
4	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
5	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
6	Copper-catalyzed addition of diboron reagents to $\hat{1},\hat{2}$ -acetylenic esters: efficient synthesis of $\hat{1},\hat{2}$ -boryl- $\hat{1},\hat{2}$ -ethylenic esters. <i>Chemical Communications</i> , 2008, , 733-734.	4.1	192
7	Inside Cover: Catalytic Asymmetric Boration of Acyclic $\hat{1},\hat{2}$ -Unsaturated Esters and Nitriles (<i>Angew. Chem.</i>) T_j ETQ_1 1 1 0.784314 rg BT 13.8 162	13.8	162
8	Copper-Catalyzed Enantioselective $\hat{1},\hat{2}$ -Boration of Acyclic Enones. <i>Chemistry - A European Journal</i> , 2009, 15, 1939-1943.	3.3	157
9	Bis(imidazoline-2-thione)-copper(i) catalyzed regioselective boron addition to internal alkynes. <i>Chemical Communications</i> , 2010, 46, 758-760.	4.1	153
10	Copper-Catalyzed Conjugate Addition of Diboron Reagents to $\hat{1},\hat{2}$ -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
11	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
12	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
13	Catalytic enantioselective boron conjugate addition to cyclic carbonyl compounds: a new approach to cyclic $\hat{1},\hat{2}$ -hydroxy carbonyls. <i>Chemical Communications</i> , 2009, , 6577.	4.1	118
14	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
15	Copper-Catalyzed trans-Hydroboration of Terminal Aryl Alkynes: Stereodivergent Synthesis of Alkenylboron Compounds. <i>Organic Letters</i> , 2016, 18, 1390-1393.	4.6	117
16	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
17	Conjugate Boration of $\hat{1},\hat{2}$ -Disubstituted Unsaturated Esters: Asymmetric Synthesis of Functionalized Chiral Tertiary Organoboronic Esters. <i>Chemistry - A European Journal</i> , 2010, 16, 13609-13612.	3.3	106
18	Highly Enantioselective Conjugate Reduction of $\hat{1},\hat{2}$ -Disubstituted $\hat{1},\hat{2}$ -Unsaturated Nitriles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2785-2787.	13.8	105

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19	An Efficient Copper(I)-Catalyst System for the Asymmetric Hydroboration of β -Substituted Vinylarenes with Pinacolborane. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1967-1969.	3.3	104
20	Zinc-Catalyzed Enantioselective Hydrosilylation of Imines. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1029-1032.	4.3	97
21	Asymmetric Synthesis of Borylalkanes via Copper-Catalyzed Enantioselective Hydroallylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 15146-15149.	13.7	88
22	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
23	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
24	Copper-Catalyzed Double Borylation of Silylacetylenes: Highly Regio- and Stereoselective Synthesis of <i>cis</i> -Vicinal Diboronates. <i>Organic Letters</i> , 2012, 14, 2606-2609.	4.6	66
25	Copper(I)-Taniaphos Catalyzed Enantiodivergent Hydroboration of Bicyclic Alkenes. <i>Organic Letters</i> , 2015, 17, 764-766.	4.6	66
26	Direct synthesis of Stryker's reagent from a Cu(II) salt. <i>Tetrahedron Letters</i> , 2005, 46, 2037-2039.	1.4	63
27	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
28	Highly efficient conjugate reduction of β,β -unsaturated nitriles catalyzed by copper/xanthene-type bisphosphine complexes. <i>Chemical Communications</i> , 2005, , 1755-1757.	4.1	56
29	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
30	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
31	Copper-Catalyzed Asymmetric Reduction of 3,3-Diarylacrylonitriles. <i>Organic Letters</i> , 2007, 9, 2749-2751.	4.6	50
32	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
33	Copper-Catalyzed Asymmetric Boryllallylation of Vinyl Arenes. <i>Organic Letters</i> , 2017, 19, 6144-6147.	4.6	48
34	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
35	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
36	Catalytic Asymmetric Conjugate Addition of a Boryllalkyl Copper Complex for Chiral Organoboronate Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18131-18135.	13.8	34

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37	Rh-catalyzed Addition of \hat{I}^2 -Carbonyl Pinacol Alkylboronates to Aldehydes: Asymmetric Synthesis of \hat{I}^3 -Butyrolactones. <i>Organic Letters</i> , 2013, 15, 3416-3419.	4.6	31
38	Copper-Catalyzed Regioselective and Diastereoselective Synthesis of Borylated 1-Benzo[<i>c</i>]azepines. <i>Organic Letters</i> , 2018, 20, 7526-7529.	4.6	31
39	Catalytic Activity of Phosphine \hat{C} opper Complexes for Hydroboration of Styrene with Pinacolborane: Experiment and Theory. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12112-12115.	2.5	30
40	Copper \hat{C} atalyzed Tandem Hydrocupration and Diastereo \hat{C} and Enantioselective Borylalkyl Addition to Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12116-12120.	13.8	30
41	Enantioselective Synthesis of (R)-Tolterodine via CuH-Catalyzed Asymmetric Conjugate Reduction. <i>Journal of Organic Chemistry</i> , 2009, 74, 4232-4235.	3.2	29
42	Copper-Catalyzed Synthesis of Tetrasubstituted Enynylboronates via Chemo-, Regio-, and Stereoselective Borylalkynylation. <i>Organic Letters</i> , 2018, 20, 2104-2107.	4.6	29
43	Highly Enantioselective Hydrosilylation of Ketones Catalyzed by a Chiral Oxazaborolidinium Ion. <i>Organic Letters</i> , 2017, 19, 6316-6319.	4.6	28
44	Pd-Catalyzed Stereospecific Cross-Coupling of Chiral \hat{I}^{\pm} -Borylalkylcopper Species with Aryl Bromides. <i>ACS Catalysis</i> , 2020, 10, 2069-2073.	11.2	28
45	Copper-Catalyzed Asymmetric Borylative Ring Opening of Diazabicycles. <i>ACS Catalysis</i> , 2016, 6, 6487-6490.	11.2	27
46	Copper \hat{C} atalyzed Asymmetric Synthesis of Borylated <i>cis</i> - \hat{C} Disubstituted Indolines. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2365-2368.	3.3	27
47	Copper \hat{C} atalyzed Monoborylation of Silylalkynes; Regio \hat{C} and Stereoselective Synthesis of (<i>cis</i>)- \hat{C} (Borylvinyl)silanes. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 843-849.	4.3	26
48	Asymmetric Synthesis of 1-Benzazepine Derivatives via Copper-Catalyzed Intramolecular Reductive Cyclization. <i>Organic Letters</i> , 2019, 21, 9699-9703.	4.6	22
49	Copper(I)-Catalyzed Enantioselective 1,6-Borylation of $\hat{I}^{\pm}, \hat{I}^2, \hat{I}^3, \hat{I}^{\pm}$ -Unsaturated Phosphonates. <i>Organic Letters</i> , 2018, 20, 7961-7964.	4.6	20
50	NHC-Copper-Catalyzed Tandem Hydrocupration and Allylation of Alkenyl Boronates. <i>Synthesis</i> , 2017, 49, 4753-4758.	2.3	18
51	Regioselective synthesis of highly functionalized alkenylboronates by Cu-catalyzed borylation of propargylic silylalkynes. <i>Dalton Transactions</i> , 2015, 44, 12091-12093.	3.3	17
52	Asymmetric Catalytic Borylation of \hat{I}^{\pm}, \hat{I}^2 -Unsaturated Acceptors. <i>Topics in Organometallic Chemistry</i> , 2015, , 73-92.	0.7	15
53	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
54	Rhodium \hat{C} atalyzed Addition of Alkyltrifluoroborate Salts to Imines. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2219-2222.	4.3	14

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55	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
56	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
57	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
58	Asymmetric Conjugate Addition of Chiral Secondary Borylalkyl Copper Species. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4614-4618.	13.8	12
59	Detection of Dimethyl Methylphosphonate (DMMP) Using Polyhedral Oligomeric Silsesquioxane (POSS). <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6565-6569.	0.9	11
60	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
61	Kinetic resolution and isomerization of 2,5-disubstituted pyrrolines. , 2000, 12, 476-478.		10
62	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
63	Copper-Catalyzed Asymmetric Reduction of $\hat{1}^2, \hat{1}^2$ -Disubstituted Alkenylboramides. <i>Organic Letters</i> , 2019, 21, 8779-8782.	4.6	8
64	Direct Stereoconvergent Allylation of Chiral Alkylcopper Nucleophiles with Racemic Allylic Phosphates. <i>Chemistry - A European Journal</i> , 2020, 26, 2592-2596.	3.3	8
65	Enantioselective Cyclopropanation/[1,5]-Hydrogen Shift to Access Rauhut's "Carrier Product. <i>Organic Letters</i> , 2021, 23, 213-217.	4.6	8
66	Copper-Catalyzed Tandem Hydrocupration and Diastereo- and Enantioselective Borylalkyl Addition to Aldehydes. <i>Angewandte Chemie</i> , 2018, 130, 12292-12296.	2.0	7
67	Copper-catalysed asymmetric reductive cross-coupling of prochiral alkenes. <i>Nature Communications</i> , 2022, 13, 2570.	12.8	6
68	Catalytic Asymmetric Conjugate Addition of a Borylalkyl Copper Complex for Chiral Organoboronate Synthesis. <i>Angewandte Chemie</i> , 2019, 131, 18299-18303.	2.0	5
69	Asymmetric synthesis of chiral tertiary borylated phosphonates by copper-catalyzed conjugate borylation. <i>Tetrahedron</i> , 2019, 75, 4250-4254.	1.9	5
70	Crystal Structure of IlvC, a Ketol-Acid Reductoisomerase, from <i>Streptococcus Pneumoniae</i> . <i>Crystals</i> , 2019, 9, 551.	2.2	5
71	Divergent Access to Benzocycles through Copper-Catalyzed Borylative Cyclizations. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4953-4959.	4.3	5
72	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

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73	LiO <i>t</i> Bu-promoted stereoselective deconjugation of $\hat{1},\hat{2}$ -unsaturated diesters probed using density functional theory. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3427-3433.	4.5	4
74	Asymmetric Conjugate Addition of Chiral Secondary Borylalkyl Copper Species. <i>Angewandte Chemie</i> , 2021, 133, 4664-4668.	2.0	2
75	Kinetic Resolution and Dynamic Kinetic Resolution of $\hat{3}$ -Aryl-Substituted Butenolides via Copper-Catalyzed 1,4-Hydroboration. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2377-2381.	4.3	2
76	Highly Regio- and Enantioselective Copper-Catalyzed Hydroboration of Styrenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6938-6938.	13.8	1
77	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