

Copper Hydride Catalyzed Enantioselective Synthesis of Allenes

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Catalytic Enantioselective Synthesis of \hat{I}^2 -Allenyl Boronic Esters by Conjunctive Cross-Coupling with Propargylic Carbonates. <i>ACS Catalysis</i> , 2019, 9, 11381-11385.	5.5	26
2	Construction of Chiral 2,3-Allenols through a Copper(I)-Catalyzed Asymmetric Direct Alkynylogous Aldol Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1562-1566.	7.2	36
3	Construction of Chiral 2,3-Allenols through a Copper(I)-Catalyzed Asymmetric Direct Alkynylogous Aldol Reaction. <i>Angewandte Chemie</i> , 2020, 132, 1578-1582.	1.6	8
4	Enantioselective Synthesis of Multisubstituted Allenes by Cooperative Cu/Pd-Catalyzed 1,4-Arylboration of 1,3-Enynes. <i>Angewandte Chemie</i> , 2020, 132, 1192-1196.	1.6	25
5	Enantioselective Synthesis of Multisubstituted Allenes by Cooperative Cu/Pd-Catalyzed 1,4-Arylboration of 1,3-Enynes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1176-1180.	7.2	89
6	Photochemical Doyle-Kirmse Reaction: A Route to Allenes. <i>Organic Letters</i> , 2020, 22, 1018-1021.	2.4	52
7	Copper-Catalyzed Enantioselective Radical 1,4-Difunctionalization of 1,3-Enynes. <i>Journal of the American Chemical Society</i> , 2020, 142, 18014-18021.	6.6	109
8	Copper-catalyzed functionalization of enynes. <i>Chemical Science</i> , 2020, 11, 11380-11393.	3.7	92
9	Chiral phosphoric acid-catalyzed stereodivergent synthesis of trisubstituted allenenes and computational mechanistic studies. <i>Nature Communications</i> , 2020, 11, 5527.	5.8	47
10	Copper(I)-catalyzed diastereo- and enantio-selective construction of optically pure exocyclic allenenes. <i>Nature Communications</i> , 2020, 11, 4293.	5.8	45
11	Organocatalytic Asymmetric C(sp ²) ^H Allylic Alkylation: Enantioselective Synthesis of Tetrasubstituted Allenates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19820-19824.	7.2	36
12	Organocatalytic Asymmetric C(sp ²) ^H Allylic Alkylation: Enantioselective Synthesis of Tetrasubstituted Allenates. <i>Angewandte Chemie</i> , 2020, 132, 19992-19996.	1.6	11
13	Synthesis of Pyrroles through the CuH-Catalyzed Coupling of Enynes and Nitriles. <i>Journal of the American Chemical Society</i> , 2020, 142, 9908-9914.	6.6	52
14	Palladium-Catalyzed Fluoroarylation of <i>gem</i> -Difluoroenynes to Access Trisubstituted Trifluoromethyl Allenes. <i>Organic Letters</i> , 2020, 22, 5229-5234.	2.4	31
15	Highly Selective Nucleophilic 4-Ar - $2,3$ -Allenylation of Malonates. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1233-1238.	2.6	23
16	Diastereo- and Enantioselective 1,4-Difunctionalization of Borylenynes by Catalytic Conjunctive Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10311-10315.	7.2	46
17	Synthesis and Functionalization of Allenes by Direct Pd-Catalyzed Organolithium Cross-Coupling. <i>Angewandte Chemie</i> , 2020, 132, 7897-7903.	1.6	4
18	Synthesis and Functionalization of Allenes by Direct Pd-Catalyzed Organolithium Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7823-7829.	7.2	23

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19	Catalytic Asymmetric Conjugate Protosilylation and Protoborylation of 2-Trifluoromethyl Enynes for Synthesis of Functionalized Allenes. <i>Organic Letters</i> , 2020, 22, 1360-1367.	2.4	62
20	Pd-Catalyzed Enantioselective Syntheses of Trisubstituted Allenes via Coupling of Propargylic Benzoates with Organoboronic Acids. <i>Journal of the American Chemical Society</i> , 2020, 142, 9763-9771.	6.6	81
21	Cu-Catalyzed Synthesis of Tetrasubstituted 2,3-Allenols through Decarboxylative Silylation of Alkyne-Substituted Cyclic Carbonates. <i>Organic Letters</i> , 2020, 22, 3942-3945.	2.4	41
22	Diastereo- and Enantioselective 1,4-Difunctionalization of Borylenynes by Catalytic Conjunctive Cross-Coupling. <i>Angewandte Chemie</i> , 2020, 132, 10397-10401.	1.6	13
23	Cu-Catalyzed Reductive <i>gem</i> -Difunctionalization of Terminal Alkynes via Hydrosilylation/Hydroamination Cascade: Concise Synthesis of β -Aminosilanes. <i>Chemistry - A European Journal</i> , 2020, 26, 8725-8728.	1.7	30
24	Reactivity of NHC/diphosphene-coordinated Au(<i>scp</i>)-hydride. <i>Chemical Communications</i> , 2021, 57, 809-812.	2.2	8
25	Hydromagnesiation of 1,3-Enynes by Magnesium Hydride for Synthesis of Tri- and Tetra-substituted Allenes. <i>Angewandte Chemie</i> , 2021, 133, 219-223.	1.6	6
26	Hydromagnesiation of 1,3-Enynes by Magnesium Hydride for Synthesis of Tri- and Tetra-substituted Allenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 217-221.	7.2	24
27	Halogenated salt assisted Cu-catalyzed asymmetric 1,4-borylstannation of 1,3-enynes: enantioselective synthesis of allenylstannes. <i>Chemical Science</i> , 2021, 12, 3032-3038.	3.7	19
28	Decarboxylative 1,4-carbocyanation of 1,3-enynes to access tetra-substituted allenenes <i>via</i> copper/photoredox dual catalysis. <i>Chemical Science</i> , 2021, 12, 11316-11321.	3.7	51
29	Palladium-catalyzed allene synthesis enabled by β -hydrogen elimination from sp ² -carbon. <i>Nature Communications</i> , 2021, 12, 728.	5.8	13
30	Deciphering the Chameleonic Chemistry of Allenols: Breaking the Taboo of a Onetime Esoteric Functionality. <i>Chemical Reviews</i> , 2021, 121, 4193-4252.	23.0	117
31	Cobalt-Catalyzed Dearomatization of Indoles via Transfer Hydrogenation To Afford Polycyclic Indolines. <i>Organic Letters</i> , 2021, 23, 2212-2216.	2.4	15
32	Synthesis of Aminoallenes via Selenium- <i>Acid</i> -Catalyzed Cross-Coupling of <i>N</i> -Fluorinated Sulfonimides with Simple Alkynes. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1720-1725.	1.2	8
33	Copper-Catalyzed Borylative Methylation of Alkyl Iodides with CO as the C1 Source: Advantaged by Faster Reaction of CuH over CuBpin. <i>Angewandte Chemie</i> , 2021, 133, 11836-11840.	1.6	2
34	Copper-Catalyzed Borylative Methylation of Alkyl Iodides with CO as the C1 Source: Advantaged by Faster Reaction of CuH over CuBpin. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11730-11734.	7.2	17
35	Stereodivergent Synthesis of Tertiary Fluoride-Tethered Allenes via Copper and Palladium Dual Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 7285-7291.	6.6	131
36	An Approach for the Generation of β -Propenylidene- β -butenolides and Application to the Total Synthesis of Rubrolides. <i>Organic Letters</i> , 2021, 23, 5605-5610.	2.4	9

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37	Recent advancement in copper-catalyzed asymmetric reactions of alkynes. <i>Tetrahedron</i> , 2021, 93, 132238.	1.0	18
38	Copper-Catalyzed Syntheses of Multiple Functionalized Allenes via Three-Component Reaction of Enynes. <i>ACS Catalysis</i> , 2021, 11, 10007-10013.	5.5	63
39	Organosilanes in Metal-Catalyzed, Enantioselective Reductions. <i>Organic Process Research and Development</i> , 2021, 25, 1719-1787.	1.3	21
41	Generation of Axially Chiral Fluoroallenes through a Copper-Catalyzed Enantioselective β -Fluoride Elimination. <i>Journal of the American Chemical Society</i> , 2021, 143, 13759-13768.	6.6	40
42	Enantioselective Copper-Catalyzed Radical Cyanation of Propargylic C-H Bonds: Easy Access to Chiral Allenyl Nitriles. <i>Journal of the American Chemical Society</i> , 2021, 143, 14451-14457.	6.6	49
43	Iron-Catalyzed Contrasteric Functionalization of Allenic C(sp ²)-H Bonds: Synthesis of β -Aminoalkyl 1,1-Disubstituted Allenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 14998-15004.	6.6	20
44	Polycyclic Compounds from Allenes via Palladium-Mediated Intramolecular Carbopalladation/Nucleophilic Substitution Cascade Processes. <i>Synthesis</i> , 2021, 53, 1035-1045.	1.2	6
45	Research Progress on the Catalytic Enantioselective Synthesis of Axially Chiral Allenes by Chiral Organocatalysts. <i>Current Organic Chemistry</i> , 2020, 24, 694-708.	0.9	18
46	1,4-Alkylcarbonylation of 1,3-Enynes to Access Tetra-Substituted Allenyl Ketones via an NHC-Catalyzed Radical Relay. <i>ACS Catalysis</i> , 2021, 11, 13363-13373.	5.5	56
47	Catalytic Enantioconvergent Allenylation of Aldehydes with Propargyl Halides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	31
48	Catalytic Enantioconvergent Allenylation of Aldehydes with Propargyl Halides. <i>Angewandte Chemie</i> , 0, .	1.6	0
49	Radical Acylalkylation of 1,3-Enynes To Access Allenic Ketones via <i>N</i> -Heterocyclic Carbene Organocatalysis. <i>Journal of Organic Chemistry</i> , 2022, 87, 5229-5241.	1.7	27
50	Copper-Catalyzed Enantioselective 1,4-Protosilylation of Alkynyl-substituted Enones to Synthesize the Highly Diastereomeric Chiral Homoallenylsilanes. <i>Organic Letters</i> , 2022, 24, 2832-2836.	2.4	9
51	Photo and copper dual catalysis for allene syntheses from propargylic derivatives via one-electron process. <i>Nature Communications</i> , 2022, 13, .	5.8	11
52	Asymmetric 1,4-functionalization of 1,3-enynes via dual photoredox and chromium catalysis. <i>Nature Communications</i> , 2022, 13, .	5.8	25
53	Recent advances in the metal-catalyzed asymmetric synthesis of chiral allenenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 5053-5073.	2.3	20
54	A Cascade Sonogashira Cross-Coupling-Substitution-Elimination Reaction for the Synthesis of Linear Conjugated Dienes. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
55	Synthesis of conjugated bisallenenes by cooperative Cu/Pd-catalysed boryllenylation of 2-trifluoromethyl-1,3-enynes. <i>Chemical Communications</i> , 2022, 58, 12871-12874.	2.2	1

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56	Nickel-Catalyzed Asymmetric Propargylation for the Synthesis of Axially Chiral 1,3-Disubstituted Allenes. <i>Journal of the American Chemical Society</i> , 2022, 144, 21022-21029.	6.6	14
57	Functionalized Chromans from <i>ortho</i> -Quinone Methides and Aryllallenes. <i>Journal of Organic Chemistry</i> , 2022, 87, 15863-15887.	1.7	3
58	Palladium-Catalyzed Ring-Closing Aminoalkylative Amination of Unactivated Aminoenynes. <i>Angewandte Chemie</i> , 0, , .	1.6	0
59	Palladium-Catalyzed Ring-Closing Aminoalkylative Amination of Unactivated Aminoenynes. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	6
61	Radical-polar crossover allenylation of alkenes: Divergent synthesis of homoallenic alcohols and amides. <i>Chem Catalysis</i> , 2023, 3, 100551.	2.9	2
62	Pd/Xu-Phos-catalyzed asymmetric elimination of fully substituted enol triflates into axially chiral trisubstituted allenenes. <i>Science Advances</i> , 2023, 9, .	4.7	6
67	Copper-Catalyzed Asymmetric Cyanation of Propargylic Radicals via Direct Decarboxylation of Propargylic Carboxylic Acids. <i>Organic Letters</i> , 2023, 25, 5006-5010.	2.4	2
79	Recent advances in N-heterocyclic carbene (NHC)-catalyzed fluorination and fluoroalkylation. <i>Organic Chemistry Frontiers</i> , 2024, 11, 2112-2133.	2.3	1