

Keiichi Hirano

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Inter-Element Boration Reactions of Carbon-Carbon Multiple Bonds via Lewis-Basic Activation of Boron Reagents. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2340-2353.	4.3	12
2	Nucleophilic Activation of Hydrosilanes via a Strain-Imposing Strategy Leading to Functional Sila-aromatics. <i>Journal of the American Chemical Society</i> , 2021, 143, 4879-4885.	13.7	12
3	Lipshutz-type bis(amido)argentates for directed ortho-argention. <i>Chemical Science</i> , 2020, 11, 1855-1861.	7.4	6
4	Nucleophilic Diboration Strategy Targeting Diversified Boraphenarene Architectures. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21448-21453.	13.8	19
5	Nucleophilic Diboration Strategy Targeting Diversified Boraphenarene Architectures. <i>Angewandte Chemie</i> , 2020, 132, 21632-21637.	2.0	6
6	Intramolecular Benzyne-Phenolate [4+2] Cycloadditions. <i>Angewandte Chemie</i> , 2020, 132, 12540-12544.	2.0	3
7	Intramolecular Benzyne-Phenolate [4+2] Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12440-12444.	13.8	23
8	Alkynylboration Reaction Leading to Boron-Containing Extended cis-Stilbenes as a Highly Tunable Fluorophore. <i>Organic Letters</i> , 2019, 21, 3392-3395.	4.6	24
9	Diaryl-trichloranes: Versatile Synthesis and Unique Reactivity as Aryl Cation Equivalent. <i>Journal of the American Chemical Society</i> , 2019, 141, 6499-6503.	13.7	19
10	A Direct, Chemo-, and Regioselective Cross-Coupling Reaction of Arenes via Sequential Directed ortho-Cuprations and Oxidation. <i>Organic Letters</i> , 2019, 21, 9536-9540.	4.6	1
11	Mechanistic Study on Aryl-Exchange Reaction of Diaryl-trichlorane with Aryl Iodide. <i>Journal of Organic Chemistry</i> , 2018, 83, 289-295.	3.2	14
12	Transition Metal-Free trans-Selective Alkynylboration of Alkynes. <i>Journal of the American Chemical Society</i> , 2017, 139, 12358-12361.	13.7	53
13	Gold-Catalyzed Cyclization of Alkyne Alcohols: Regioselective Construction of Functionalized 6,6- and 6,7-Bicyclic Ethers. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 845-855.	1.3	12
14	Rhodium-Catalyzed (Perfluoroalkyl)olefination of Acetanilides Leading to Perfluoroalkylated Aromatics. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 1442-1444.	1.3	2
15	Direct Hydroxylation and Amination of Arenes via Deprotonative Cupration. <i>Journal of the American Chemical Society</i> , 2016, 138, 9166-9171.	13.7	83
16	Allylic borylation of tertiary allylic alcohols: a divergent and straightforward access to allylic boronates. <i>Organic Chemistry Frontiers</i> , 2016, 3, 565-569.	4.5	28
17	Perfluoroalkyl and Aryl Zinc Ate Complexes: Generation, Reactivity, and Synthetic Application. <i>Chemistry - A European Journal</i> , 2015, 21, 10993-10996.	3.3	26
18	Dialkylzinc-Mediated Cross-Coupling Reactions of Perfluoroalkyl and Perfluoroaryl Halides with Aryl Halides. <i>Chemistry - A European Journal</i> , 2015, 21, 3895-3900.	3.3	50

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19	Dialkylzinc-mediated allylic polyfluoroarylation reaction. <i>Tetrahedron</i> , 2015, 71, 5849-5857.	1.9	7
20	Highly Chemoselective and Versatile Method for Direct Conversion of Carboxylic Acids to Ketones Utilizing Zinc Ate Complexes. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1286-1290.	3.3	9
21	<i>trans</i> -Diborylation of Alkynes: <i>Pseudo</i> -Intramolecular Strategy Utilizing a Propargylic Alcohol Unit. <i>Journal of the American Chemical Society</i> , 2014, 136, 8532-8535.	13.7	119
22	Design, Generation, and Synthetic Application of Borylzincate: Borylation of Aryl Halides and Borylzincation of Benzyne/Terminal Alkyne. <i>Journal of the American Chemical Society</i> , 2013, 135, 18730-18733.	13.7	146
23	Amidocuprates for Directed <i>ortho</i> Cupration: Structural Study, Mechanistic Investigation, and Chemical Requirements. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12081-12085.	13.8	19
24	Dinuclear Zinc Catalyzed Asymmetric Spirannulation Reaction: An Umpolung Strategy for Formation of α -Alkylated α -Hydroxyoxindoles. <i>Organic Letters</i> , 2012, 14, 2446-2449.	4.6	104
25	Highly Stereoselective Synthesis of α -Alkylated α -Hydroxycarboxylic Acid Derivatives Catalyzed by a Dinuclear Zinc Complex. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6480-6483.	13.8	71
26	Dual Activation in N-Heterocyclic Carbene-organocatalysis. <i>Chemistry Letters</i> , 2011, 40, 786-791.	1.3	153
27	A Family of Thiazolium Salt Derived α -Heterocyclic Carbenes (NHCs) for Organocatalysis: Synthesis, Investigation and Application in Crossed Benzoin Condensation. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5475-5484.	2.4	140
28	Highly Asymmetric NHC-Catalyzed Hydroacylation of Unactivated Alkenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4983-4987.	13.8	186
29	Switching the Electron-Donor Properties of α -Heterocyclic Carbenes by a Facile Deprotonation Strategy. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1786-1789.	3.3	96
30	Copper-Catalyzed Synthesis of 2-Unsubstituted, <i>N</i> -Substituted Benzimidazoles. <i>Journal of Organic Chemistry</i> , 2009, 74, 9570-9572.	3.2	72
31	α -Heterocyclic Carbene-Catalyzed Hydroacylation of Unactivated Double Bonds. <i>Journal of the American Chemical Society</i> , 2009, 131, 14190-14191.	13.7	210
32	A Modular Synthesis of Highly Substituted Imidazolium Salts. <i>Organic Letters</i> , 2009, 11, 1019-1022.	4.6	117
33	Diastereoselective Synthesis of Trifluoromethylated β -Butyrolactones <i>via</i> α -Heterocyclic Carbene-Catalyzed Conjugated Umpolung of α,β -Unsaturated Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 984-988.	4.3	93
34	Palladium-Catalyzed C-Allylation of Benzoin and an NHC-Catalyzed Three Component Coupling Derived Thereof: Compatibility of NHC- and Pd-Catalysts. <i>Organic Letters</i> , 2008, 10, 4243-4246.	4.6	117
35	α -Aminoallylation of Aldehydes in Aqueous Ammonia. <i>ChemInform</i> , 2005, 36, no.	0.0	0
36	α -Aminoallylation of aldehydes in aqueous ammonia. <i>Chemical Communications</i> , 2005, , 104-106.	4.1	41

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37	Direct synthesis of unprotected $\hat{\pm}$ -amino acids via allylation of hydroxyglycine. Canadian Journal of Chemistry, 2005, 83, 937-942.	1.1	20
38	$\hat{\pm}$ -Aminoallylation of Aldehydes with Ammonia: Stereoselective Synthesis of Homoallylic Primary Amines.. ChemInform, 2004, 35, no.	0.0	0
39	$\hat{\pm}$ -Aminoallylation of Aldehydes with Ammonia:â€ Stereoselective Synthesis of Homoallylic Primary Amines. Journal of the American Chemical Society, 2004, 126, 7182-7183.	13.7	133