

Keiichi Hirano

List of Publications by Year in descending order

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39
papers

2,330
citations

304743

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289244

40
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62
all docs

62
docs citations

62
times ranked

2123
citing authors

#	ARTICLE	IF	CITATIONS
1	N-Heterocyclic Carbene-Catalyzed Hydroacylation of Unactivated Double Bonds. <i>Journal of the American Chemical Society</i> , 2009, 131, 14190-14191.	13.7	210
2	Highly Asymmetric NHC-Catalyzed Hydroacylation of Unactivated Alkenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4983-4987.	13.8	186
3	Dual Activation in N-Heterocyclic Carbene-organocatalysis. <i>Chemistry Letters</i> , 2011, 40, 786-791.	1.3	153
4	Design, Generation, and Synthetic Application of Borylzincate: Borylation of Aryl Halides and Borylzincation of Benzynes/Terminal Alkyne. <i>Journal of the American Chemical Society</i> , 2013, 135, 18730-18733.	13.7	146
5	A Family of Thiazolium Salt Derived N-Heterocyclic Carbenes (NHCs) for Organocatalysis: Synthesis, Investigation and Application in Cross-Benzoin Condensation. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5475-5484.	2.4	140
6	$\hat{\text{I}}^{\pm}$ -Aminoallylation of Aldehydes with Ammonia: $\hat{\text{I}}^{\pm}$ Stereoselective Synthesis of Homoallylic Primary Amines. <i>Journal of the American Chemical Society</i> , 2004, 126, 7182-7183.	13.7	133
7	<i>trans</i> -Diborylation of Alkynes: Pseudo-Intramolecular Strategy Utilizing a Propargylic Alcohol Unit. <i>Journal of the American Chemical Society</i> , 2014, 136, 8532-8535.	13.7	119
8	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
9	A Modular Synthesis of Highly Substituted Imidazolium Salts. <i>Organic Letters</i> , 2009, 11, 1019-1022.	4.6	117
10	Dinuclear Zinc Catalyzed Asymmetric Spirannulation Reaction: An Umpolung Strategy for Formation of $\hat{\text{I}}^{\pm}$ -Alkylated- $\hat{\text{I}}^{\pm}$ -Hydroxyoxindoles. <i>Organic Letters</i> , 2012, 14, 2446-2449.	4.6	104
11	Switching the Electron-Donor Properties of N-Heterocyclic Carbenes by a Facile Deprotonation Strategy. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1786-1789.	3.3	96
12	Diastereoselective Synthesis of Trifluoromethylated $\hat{\text{I}}^{\pm}$ -Butyrolactones <i>via</i> N-Heterocyclic Carbene-Catalyzed Conjugated Umpolung of $\hat{\text{I}}^{\pm}$ -Unsaturated Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 984-988.	4.3	93
13	Direct Hydroxylation and Amination of Arenes <i>via</i> Deprotonative Cupration. <i>Journal of the American Chemical Society</i> , 2016, 138, 9166-9171.	13.7	83
14	Copper-Catalyzed Synthesis of 2-Unsubstituted, <i>N</i> -Substituted Benzimidazoles. <i>Journal of Organic Chemistry</i> , 2009, 74, 9570-9572.	3.2	72
15	Highly Stereoselective Synthesis of $\hat{\text{I}}^{\pm}$ -Alkylated- $\hat{\text{I}}^{\pm}$ -Hydroxycarboxylic Acid Derivatives Catalyzed by a Dinuclear Zinc Complex. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6480-6483.	13.8	71
16	Transition Metal-Free <i>trans</i> -Selective Alkynylboration of Alkynes. <i>Journal of the American Chemical Society</i> , 2017, 139, 12358-12361.	13.7	53
17	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
18	$\hat{\text{I}}^{\pm}$ -Aminoallylation of aldehydes in aqueous ammonia. <i>Chemical Communications</i> , 2005, , 104-106.	4.1	41

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19	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
20	Perfluoroalkyl and α -aryl Zinc Ate Complexes: Generation, Reactivity, and Synthetic Application. <i>Chemistry - A European Journal</i> , 2015, 21, 10993-10996.	3.3	26
21	Alkynylboration Reaction Leading to Boron-Containing β -Extended <i>cis</i> -Stillbenes as a Highly Tunable Fluorophore. <i>Organic Letters</i> , 2019, 21, 3392-3395.	4.6	24
22	Intramolecular Benzyne-Phenolate [4+2] Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12440-12444.	13.8	23
23	Direct synthesis of unprotected β -amino acids via allylation of hydroxyglycine. <i>Canadian Journal of Chemistry</i> , 2005, 83, 937-942.	1.1	20
24	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
25	Diaryl- β -chloranes: Versatile Synthesis and Unique Reactivity as Aryl Cation Equivalent. <i>Journal of the American Chemical Society</i> , 2019, 141, 6499-6503.	13.7	19
26	Nucleophilic Diboration Strategy Targeting Diversified β -Boraphenarene Architectures. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21448-21453.	13.8	19
27	Mechanistic Study on Aryl-Exchange Reaction of Diaryl- β -iodane with Aryl Iodide. <i>Journal of Organic Chemistry</i> , 2018, 83, 289-295.	3.2	14
28	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
29	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
30	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
31	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
32	Dialkylzinc-mediated allylic polyfluoroarylation reaction. <i>Tetrahedron</i> , 2015, 71, 5849-5857.	1.9	7
33	Lipshutz-type bis(amido)argentates for directed <i>ortho</i> argentation. <i>Chemical Science</i> , 2020, 11, 1855-1861.	7.4	6
34	Nucleophilic Diboration Strategy Targeting Diversified β -Boraphenarene Architectures. <i>Angewandte Chemie</i> , 2020, 132, 21632-21637.	2.0	6
35	Intramolecular Benzyne-Phenolate [4+2] Cycloadditions. <i>Angewandte Chemie</i> , 2020, 132, 12540-12544.	2.0	3
36	Rhodium-Catalyzed (Perfluoroalkyl)olefination of Acetanilides Leading to Perfluoroalkylated Aromatics. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 1442-1444.	1.3	2

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37	A Direct, Chemo-, and Regioselective Cross-Coupling Reaction of Arenes via Sequential Directed <i>ortho</i> -Cuprations and Oxidation. <i>Organic Letters</i> , 2019, 21, 9536-9540.	4.6	1
38	$\hat{\pm}$ -Aminoallylation of Aldehydes with Ammonia: Stereoselective Synthesis of Homoallylic Primary Amines.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
39	?-Aminoallylation of Aldehydes in Aqueous Ammonia.. <i>ChemInform</i> , 2005, 36, no.	0.0	0