

Senmiao Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7300228/publications.pdf>

Version: 2024-02-01

39
papers

1,711
citations

304743

22
h-index

330143

37
g-index

39
all docs

39
docs citations

39
times ranked

1260
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Brønsted Acid Catalyzed Asymmetric Baeyer–Villiger Reaction of β -Substituted Cyclobutanones by Using Aqueous H_2O_2 . <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2840-2843.	13.8	205
2	Site-Selective and Stereoselective <i>trans</i> -Hydroboration of 1,3-Enynes Catalyzed by 1,4-Azaborine-Based Phosphine–Pd Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 14566-14569.	13.7	118
3	A 1,3-Dihydro-1,3-azaborine Debuts. <i>Journal of the American Chemical Society</i> , 2011, 133, 20152-20155.	13.7	99
4	Mechanistic Investigation of Chiral Phosphoric Acid Catalyzed Asymmetric Baeyer–Villiger Reaction of β -Substituted Cyclobutanones with H_2O_2 as the Oxidant. <i>Chemistry - A European Journal</i> , 2010, 16, 3021-3035.	3.3	95
5	UV-Photoelectron Spectroscopy of 1,2- and 1,3-Azaborines: A Combined Experimental and Computational Electronic Structure Analysis. <i>Journal of the American Chemical Society</i> , 2012, 134, 10279-10285.	13.7	94
6	Chiral Bidentate Boron Ligand Enabled Iridium-Catalyzed Enantioselective $\text{C}(\text{sp}^3)\text{-H}$ Borylation of Cyclopropanes. <i>Journal of the American Chemical Society</i> , 2019, 141, 10599-10604.	13.7	94
7	Chiral Bidentate Boron Ligand Enabled Iridium-Catalyzed Asymmetric $\text{C}(\text{sp}^2)\text{-H}$ Borylation of Diarylmethylamines. <i>Journal of the American Chemical Society</i> , 2019, 141, 5334-5342.	13.7	93
8	Iridium-Catalyzed Enantioselective $\text{C}(\text{sp}^3)\text{-H}$ Borylation of Azacycles. <i>Journal of the American Chemical Society</i> , 2020, 142, 12062-12068.	13.7	83
9	Boron-Substituted 1,3-Dihydro-1,3-azaborines: Synthesis, Structure, and Evaluation of Aromaticity. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7527-7531.	13.8	65
10	UV-Photoelectron Spectroscopy of BN Indoles: Experimental and Computational Electronic Structure Analysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 11813-11820.	13.7	63
11	Design of Structurally Rigid <i>trans</i> -Diamine-Based Tf-Amide Organocatalysts with a Dihydroanthracene Framework for Asymmetric Conjugate Additions of Heterosubstituted Aldehydes to Vinyl Sulfones. <i>Journal of the American Chemical Society</i> , 2010, 132, 17074-17076.	13.7	62
12	Iridium-Catalyzed Enantioselective Unbiased Methylene $\text{C}(\text{sp}^3)\text{-H}$ Borylation of Acyclic Amides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3524-3528.	13.8	56
13	Transition-metal-free synthesis of 1,1-diboronate esters with a fully substituted benzylic center via diborylation of lithiated carbamates. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3418-3422.	2.8	53
14	Iridium-Catalyzed Regio- and Enantioselective Borylation of Unbiased Methylene $\text{C}(\text{sp}^3)\text{-H}$ Bonds at the Position β^2 to a Nitrogen Center. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5843-5847.	13.8	52
15	Iridium-Catalyzed Enantioselective $\text{C}(\text{sp}^3)\text{-H}$ Borylation of Cyclobutanes. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1533-1537.	4.9	48
16	Asymmetric Baeyer–Villiger Oxidation of 2,3- and 2,3,4-Substituted Cyclobutanones Catalyzed by Chiral Phosphoric Acids with Aqueous H_2O_2 as the Oxidant. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 110-116.	2.4	47
17	Synthesis of cyclic chiral β -amino boronates by copper-catalyzed asymmetric dearomative borylation of indoles. <i>Chemical Science</i> , 2018, 9, 5855-5859.	7.4	42
18	Copper-Catalyzed Asymmetric Protoboration of β^2 -Amidoacrylonitriles and β^2 -Amidoacrylate Esters: An Efficient Approach to Functionalized Chiral β -Amino Boronate Esters. <i>Organic Letters</i> , 2017, 19, 3676-3679.	4.6	39

#	ARTICLE	IF	CITATIONS
19	Iridium-Catalyzed Enantioselective C ^α -H Borylation of Diarylphosphinates. <i>ACS Catalysis</i> , 2021, 11, 13445-13451.	11.2	37
20	Chiral Bidentate Boryl Ligand-Enabled Iridium-Catalyzed Enantioselective Dual C ^α -H Borylation of Ferrocenes: Reaction Development and Mechanistic Insights. <i>ACS Catalysis</i> , 2022, 12, 1830-1840.	11.2	33
21	Iridium-Catalyzed Enantioselective C(sp ³) ^α -H Borylation of Aminocyclopropanes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	28
22	Iridium-Catalyzed Distal Hydroboration of Aliphatic Internal Alkenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8187-8191.	13.8	26
23	Iridium-Catalyzed Enantioselective Unbiased Methylene C(sp ³) ^α -H Borylation of Acyclic Amides. <i>Angewandte Chemie</i> , 2021, 133, 3566-3570.	2.0	20
24	NHC-Copper-Catalyzed Asymmetric Dearomative Silylation of Indoles. <i>Journal of Organic Chemistry</i> , 2018, 83, 14758-14767.	3.2	18
25	Ligand-Free Iridium-Catalyzed Dehydrogenative <i>ortho</i> -C ^α -H Borylation of Benzyl ² -Pyridines at Room Temperature. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 858-862.	4.3	18
26	Iridium-Catalyzed Asymmetric C ^α -H Borylation Enabled by Chiral Bidentate Boryl Ligands. <i>Synlett</i> , 2019, 30, 2107-2112.	1.8	17
27	Iridium-Catalyzed β^3 -Selective Hydroboration of β^3 -Substituted Allylic Amides. <i>Organic Letters</i> , 2020, 22, 2861-2866.	4.6	15
28	Recent Progress in Iridium-Catalyzed Remote Regioselective C ^γ -H Borylation of (Hetero)Arenes. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 2610.	1.3	14
29	Iridium-Catalyzed Regio- and Enantioselective Borylation of Unbiased Methylene C(sp ³) ^α -H Bonds at the Position β^2 to a Nitrogen Center. <i>Angewandte Chemie</i> , 2021, 133, 5907-5911.	2.0	13
30	Palladium-catalyzed synthesis of fluorenes from bis(2-bromophenyl)methanols. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 208-212.	2.8	10
31	Iridium-Catalyzed Distal Hydroboration of Aliphatic Internal Alkenes. <i>Angewandte Chemie</i> , 2019, 131, 8271-8275.	2.0	9
32	NHC-copper-catalyzed asymmetric conjugate silylation of access chiral β^1 -aminosilanes. <i>Tetrahedron Letters</i> , 2019, 60, 1210-1212.	1.4	9
33	Iridium-Catalyzed Enantioselective C(sp ³) ^α -H Borylation of Aminocyclopropanes. <i>Angewandte Chemie</i> , 0, , .	2.0	9
34	Electric Dipole Transition Moments and Solvent-Dependent Interactions of Fluorescent Boron ¹ -Nitrogen Substituted Indole Derivatives. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7985-7993.	2.6	8
35	Cu ¹ -NHC-Catalyzed Enantioselective Conjugate Silyl addition to Indol ¹ -acrylate Derivatives. <i>ChemistrySelect</i> , 2019, 4, 11358-11361.	1.5	7
36	Synthesis of 1,1-Diboron Alkanes via Diborylation of Unactivated Primary C(sp ³) ^α -H Bonds Enabled by AsPh ₃ /Iridium Catalysis. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 1101.	1.3	6

#	ARTICLE	IF	CITATIONS
37	Ligand-Free Iridium-Catalyzed Borylation of Secondary Benzylic C-H Bonds. Chinese Journal of Organic Chemistry, 2021, 41, 1572.	1.3	3
38	Ligand-free iridium-catalyzed regioselective C-H borylation of indoles. RSC Advances, 2021, 11, 5487-5490.	3.6	3
39	A Versatile Enantioselective Catalytic Cyclopropanation-Rearrangement Approach to the Divergent Construction of Chiral Spiroaminals and Fused Bicyclic Acetals. Chinese Journal of Organic Chemistry, 2020, 40, 4380.	1.3	0