

Shaolin Zhu

List of Publications by Year in descending order

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57
papers

4,797
citations

94433

37
h-index

128289

60
g-index

76
all docs

76
docs citations

76
times ranked

2550
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantio- and Regioselective CuH-Catalyzed Hydroamination of Alkenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 15746-15749.	13.7	377
2	Enantioselective Copper-Catalyzed Construction of Aryl Pyrroloindolines via an Arylation–Cyclization Cascade. <i>Journal of the American Chemical Society</i> , 2012, 134, 10815-10818.	13.7	282
3	Mild and Regioselective Benzylic C–H Functionalization: Ni-Catalyzed Reductive Arylation of Remote and Proximal Olefins. <i>Journal of the American Chemical Society</i> , 2017, 139, 1061-1064.	13.7	276
4	Highly Efficient Catalytic System for Enantioselective Michael Addition of Aldehydes to Nitroalkenes in Water. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 545-548.	13.8	253
5	Remote Migratory Cross-Electrophile Coupling and Olefin Hydroarylation Reactions Enabled by in Situ Generation of NiH. <i>Journal of the American Chemical Society</i> , 2017, 139, 13929-13935.	13.7	212
6	Enantioselective CuH-Catalyzed Anti-Markovnikov Hydroamination of 1,1-Disubstituted Alkenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 15913-15916.	13.7	201
7	Simple Catalytic Mechanism for the Direct Coupling of α -Carbonyls with Functionalized Amines: A One-Step Synthesis of Plavix. <i>Journal of the American Chemical Society</i> , 2013, 135, 16074-16077.	13.7	175
8	NiH-Catalyzed Reductive Relay Hydroalkylation: A Strategy for the Remote C(sp ³)–H Alkylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4058-4062.	13.8	159
9	Remote sp ³ C–H Amination of Alkenes with Nitroarenes. <i>Chem</i> , 2018, 4, 1645-1657.	11.7	157
10	NiH-Catalyzed Remote Asymmetric Hydroalkylation of Alkenes with Racemic α -Bromo Amides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1754-1758.	13.8	156
11	Organocatalytic Michael Addition of Aldehydes to Protected α -Amino- β -Nitroethenes: The Practical Syntheses of Oseltamivir (Tamiflu) and Substituted β -Aminopyrrolidines. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4656-4660.	13.8	147
12	Enantioselective Synthesis of α -Aminosilanes by Copper-Catalyzed Hydroamination of Vinylsilanes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1638-1641.	13.8	133
13	Enantioselective Synthesis of Carbo- and Heterocycles through a CuH-Catalyzed Hydroalkylation Approach. <i>Journal of the American Chemical Society</i> , 2015, 137, 10524-10527.	13.7	118
14	Nickel-catalysed selective migratory hydrothiolation of alkenes and alkynes with thiols. <i>Nature Communications</i> , 2019, 10, 1752.	12.8	113
15	A direct approach to amines with remote stereocentres by enantioselective CuH-catalysed reductive relay hydroamination. <i>Nature Chemistry</i> , 2016, 8, 144-150.	13.6	109
16	NiH-Catalyzed Migratory Defluorinative Olefin Cross-Coupling: Trifluoromethyl-Substituted Alkenes as Acceptor Olefins to Form gem-Difluoroalkenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5398-5402.	13.8	108
17	Rapid Access to Highly Functionalized Alkyl Boronates by NiH-Catalyzed Remote Hydroarylation of Boron-Containing Alkenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13860-13864.	13.8	95
18	NiH-catalyzed asymmetric hydroarylation of N-acyl enamines to chiral benzylamines. <i>Nature Communications</i> , 2021, 12, 638.	12.8	93

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19	Enantio- and Regioselective NiH-Catalyzed Reductive Hydroarylation of Vinylarenes with Aryl Iodides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21530-21534.	13.8	91
20	Migratory Reductive Acylation between Alkyl Halides or Alkenes and Alkyl Carboxylic Acids by Nickel Catalysis. <i>ACS Catalysis</i> , 2019, 9, 3253-3259.	11.2	84
21	Nickel-Catalyzed Multicomponent Coupling: Synthesis of $\hat{1}\pm$ -Chiral Ketones by Reductive Hydrocarbonylation of Alkenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 14089-14096.	13.7	77
22	Nickel-Catalyzed Asymmetric Reductive 1,2-Carboamination of Unactivated Alkenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2328-2332.	13.8	75
23	Ligand-Enabled Nickel-Catalyzed Redox-Relay Migratory Hydroarylation of Alkenes with Arylborons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9186-9191.	13.8	75
24	Nickel-Catalyzed, Regio- and Enantioselective Benzylic Alkenylation of Olefins with Alkenyl Bromide. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4060-4064.	13.8	75
25	Enantioselective organocatalytic Michael addition of malonates to $\hat{1}\pm, \hat{1}^2$ -unsaturated aldehydes in water. <i>Tetrahedron Letters</i> , 2008, 49, 3075-3077.	1.4	73
26	Organocatalytic Approach to Polysubstituted Piperidines and Tetrahydropyrans. <i>Organic Letters</i> , 2011, 13, 1602-1605.	4.6	63
27	A Modified System for the Synthesis of Enantioenriched <i>N</i> -Arylamines through Copper-Catalyzed Hydroamination. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8714-8718.	13.8	63
28	Enantioselective NiH/Pmrox-Catalyzed 1,2-Reduction of $\hat{1}\pm, \hat{1}^2$ -Unsaturated Ketones. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2022-2025.	13.8	60
29	Enantioselective NiH-Catalyzed Reductive Hydrofunctionalization of Alkenes. <i>Chinese Journal of Chemistry</i> , 2022, 40, 651-661.	4.9	58
30	A relay catalysis strategy for enantioselective nickel-catalyzed migratory hydroarylation forming chiral $\hat{1}\pm$ -aryl alkylboronates. <i>Chem</i> , 2021, 7, 3171-3188.	11.7	55
31	Facile Synthesis of Chiral Arylamines, Alkylamines and Amides by Enantioselective NiH-Catalyzed Hydroamination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23584-23589.	13.8	52
32	Ligand-Enabled NiH-Catalyzed Migratory Hydroamination: Chain Walking as a Strategy for Regiodivergent/Regioconvergent Remote sp^3 -C-H Amination. <i>CCS Chemistry</i> , 2021, 3, 2259-2268.	7.8	51
33	Nickel-catalysed migratory hydroalkynylation and enantioselective hydroalkynylation of olefins with bromoalkynes. <i>Nature Communications</i> , 2021, 12, 3792.	12.8	50
34	Catalytic Asymmetric Hydroalkylation of $\hat{1}\pm, \hat{1}^2$ -Unsaturated Amides Enabled by Regio-Reversed and Enantiodifferentiating <i>syn</i> -Hydronicellation. <i>ACS Catalysis</i> , 2021, 11, 8766-8773.	11.2	49
35	NiH-Catalyzed Reductive Relay Hydroalkylation: A Strategy for the Remote $\text{C}(\text{sp}^3)\text{-H}$ Alkylation of Alkenes. <i>Angewandte Chemie</i> , 2018, 130, 4122-4126.	2.0	46
36	NiH-Catalyzed Remote Asymmetric Hydroalkylation of Alkenes with Racemic $\hat{1}\pm$ -Bromo Amides. <i>Angewandte Chemie</i> , 2019, 131, 1768-1772.	2.0	45

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37	Enantioselective Organocatalytic Conjugate Addition of Aldehydes to α,β -Unsaturated Thiol Esters. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2563-2566.	4.3	28
38	Regio- and enantioselective remote hydroarylation using a ligand-relay strategy. <i>Nature Communications</i> , 2022, 13, 2471.	12.8	28
39	Rapid Access to Highly Functionalized Alkyl Boronates by NiH ₂ -Catalyzed Remote Hydroarylation of Boron-Containing Alkenes. <i>Angewandte Chemie</i> , 2019, 131, 13998-14002.	2.0	26
40	Enantio- and Regioselective NiH ₂ -Catalyzed Reductive Hydroarylation of Vinylarenes with Aryl Iodides. <i>Angewandte Chemie</i> , 2020, 132, 21714-21718.	2.0	23
41	Nickel-Catalyzed <i>ipso/ortho</i> Difunctionalization of Aryl Bromides with Alkynes and Alkyl Bromides via a Vinyl-to-Aryl 1,4-Hydride Shift. <i>Journal of the American Chemical Society</i> , 2021, 143, 20064-20070.	13.7	23
42	NiH ₂ -Catalyzed Migratory Defluorinative Olefin Cross-Coupling: Trifluoromethyl-Substituted Alkenes as Acceptor Olefins to Form gem-Difluoroalkenes. <i>Angewandte Chemie</i> , 2020, 132, 5436-5440.	2.0	22
43	NiH-catalyzed asymmetric hydroalkynylation of α,β -unsaturated amides. <i>Green Synthesis and Catalysis</i> , 2022, 3, 377-379.	6.8	20
44	A Modified System for the Synthesis of Enantioenriched N-Arylamines through Copper-Catalyzed Hydroamination. <i>Angewandte Chemie</i> , 2018, 130, 8850-8854.	2.0	19
45	Nickel-Catalyzed Hydrofluorination of Unactivated Alkenes through a HAT Pathway. <i>ACS Catalysis</i> , 2020, 10, 13165-13170.	11.2	18
46	Nickel-Catalyzed Asymmetric Reductive 1,2-Carboamination of Unactivated Alkenes. <i>Angewandte Chemie</i> , 2020, 132, 2348-2352.	2.0	18
47	Reinvestigation on total synthesis of kaitocephalin and its isomers. <i>Tetrahedron</i> , 2011, 67, 1673-1680.	1.9	17
48	Ligand-Enabled Nickel-Catalyzed Redox-Relay Migratory Hydroarylation of Alkenes with Arylborons. <i>Angewandte Chemie</i> , 2020, 132, 9271-9276.	2.0	15
49	Enantioselective NiH/Pmox-Catalyzed 1,2-Reduction of α,β -Unsaturated Ketones. <i>Angewandte Chemie</i> , 2017, 129, 2054-2057.	2.0	14
50	Terminal-Selective C(sp ³)-H Arylation: NiH-Catalyzed Remote Hydroarylation of Unactivated Internal Olefins. <i>Organometallics</i> , 2021, 40, 2253-2264.	2.3	13
51	Nickel Hydride Catalyzed Remote Hydroarylation of Olefins. <i>Synlett</i> , 2022, 33, 224-230.	1.8	13
52	Nickel-Catalyzed, Regio- and Enantioselective Benzylic Alkenylation of Olefins with Alkenyl Bromide. <i>Angewandte Chemie</i> , 2021, 133, 4106-4110.	2.0	10
53	BH 3 \cdot Me ₂ S: An Alternative Hydride Source for NiH ₂ -Catalyzed Reductive Migratory Hydroarylation and Hydroalkenylation of Alkenes. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1543-1546.	2.4	9
54	Nickel-Catalyzed Regiodivergent Reductive Hydroarylation of Styrenes. <i>Synlett</i> , 2021, 32, 1647-1651.	1.8	5

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55	Facile Synthesis of Chiral Arylamines, Alkylamines and Amides by Enantioselective NiHâ€Catalyzed Hydroamination. <i>Angewandte Chemie</i> , 2021, 133, 23776.	2.0	2
56	Ir-Catalyzed Regio- and Enantio-selective Hydroalkynylation of Î²,Î²-Disubstituted Enamides Forming Homopropargyl Amides Bearing Î²-Quaternary Stereocenter. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 3745.	1.3	1
57	Domain adaption based on lda and word embedding in SMT. , 2017, , .		0