

# Jianrong Zhou

## List of Publications by Year in descending order

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91  
papers

5,998  
citations

66343

42  
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76900

74  
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128  
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128  
docs citations

128  
times ranked

4624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-Couplings of Unactivated Secondary Alkyl Halides: A Room-Temperature Nickel-Catalyzed Negishi Reactions of Alkyl Bromides and Iodides. <i>Journal of the American Chemical Society</i> , 2003, 125, 14726-14727.	13.7	318
2	Suzuki Cross-Couplings of Unactivated Secondary Alkyl Bromides and Iodides. <i>Journal of the American Chemical Society</i> , 2004, 126, 1340-1341.	13.7	306
3	Palladium-Catalyzed Negishi Cross-Coupling Reactions of Unactivated Alkyl Iodides, Bromides, Chlorides, and Tosylates. <i>Journal of the American Chemical Society</i> , 2003, 125, 12527-12530.	13.7	288
4	Nickel- $\pi$ -Thiolate Complex Catalyst Assembled in One Step in Water for Solar $H_2$ Production. <i>Journal of the American Chemical Society</i> , 2011, 133, 20680-20683.	13.7	265
5	Intermolecular, Catalytic Asymmetric Hydroamination of Bicyclic Alkenes and Dienes in High Yield and Enantioselectivity. <i>Journal of the American Chemical Society</i> , 2008, 130, 12220-12221.	13.7	183
6	Palladium-Catalyzed Asymmetric Reductive Heck Reaction of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6531-6535.	13.8	148
7	Nickel-Catalyzed Asymmetric Reductive Heck Cyclization of Aryl Halides to Afford Indolines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12723-12726.	13.8	145
8	Asymmetric Intermolecular Heck Reaction of Aryl Halides. <i>Journal of the American Chemical Society</i> , 2014, 136, 650-652.	13.7	141
9	Nickel-Catalyzed Asymmetric Transfer Hydrogenation of Hydrazones and Other Ketimines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5112-5116.	13.8	138
10	Iridium-Catalyzed Intermolecular Hydroamination of Unactivated Aliphatic Alkenes with Amides and Sulfonamides. <i>Journal of the American Chemical Society</i> , 2012, 134, 11960-11963.	13.7	134
11	Iridium-Catalyzed, Intermolecular Hydroamination of Unactivated Alkenes with Indoles. <i>Journal of the American Chemical Society</i> , 2014, 136, 3200-3207.	13.7	133
12	A General Palladium-Catalyzed Method for Alkylation of Heteroarenes Using Secondary and Tertiary Alkyl Halides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13573-13577.	13.8	127
13	Nickel-Catalyzed $N$ -Alkylation of Acylhydrazines and Arylamines Using Alcohols and Enantioselective Examples. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14702-14706.	13.8	121
14	Nickel-Catalyzed Asymmetric Transfer Hydrogenation of Olefins for the Synthesis of $\beta$ - and $\gamma$ -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12210-12213.	13.8	115
15	Iridium-Catalyzed H/D Exchange at Vinyl Groups without Olefin Isomerization. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5783-5787.	13.8	110
16	An Enantioselective, Intermolecular $\beta$ -Arylation of Ester Enolates To Form Tertiary Stereocenters. <i>Journal of the American Chemical Society</i> , 2011, 133, 15882-15885.	13.7	110
17	Palladium-catalyzed intermolecular Heck reaction of alkyl halides. <i>Chemical Communications</i> , 2014, 50, 3725-3728.	4.1	110
18	Nickel-Catalyzed Enantioselective Reductive Amination of Ketones with Both Arylamines and Benzhydrazide. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12083-12087.	13.8	110

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19	Intermolecular Mizoroki-Heck Reaction of Aliphatic Olefins with High Selectivity for Substitution at the Internal Position. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5915-5919.	13.8	104
20	A Highly Enantioselective Indium-Mediated Allylation Reaction of Aldehydes. <i>Organic Letters</i> , 1999, 1, 1855-1857.	4.6	99
21	Room-Temperature Suzuki-Miyaura Coupling of Heteroaryl Chlorides and Tosylates. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6248-6259.	2.4	99
22	Palladium-Catalyzed, Asymmetric Mizoroki-Heck Reaction of Benzylic Electrophiles Using Phosphoramidites as Chiral Ligands. <i>Journal of the American Chemical Society</i> , 2012, 134, 11833-11835.	13.7	87
23	Weak Arene C-H...O Hydrogen Bonding in Palladium-Catalyzed Arylation and Vinylation of Lactones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5807-5812.	13.8	86
24	Arene C-H...O Hydrogen Bonding: A Stereocontrolling Tool in Palladium-Catalyzed Arylation and Vinylation of Ketones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4906-4911.	13.8	82
25	Palladium-Catalyzed Asymmetric Intermolecular Cyclization. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8676-8680.	13.8	82
26	Nickel-catalyzed asymmetric transfer hydrogenation of conjugated olefins. <i>Chemical Communications</i> , 2015, 51, 12115-12117.	4.1	77
27	Asymmetric Conjugate Addition of Organoboron Reagents to Common Enones Using Copper Catalysts. <i>Journal of the American Chemical Society</i> , 2016, 138, 742-745.	13.7	77
28	Desymmetrization of cyclic olefins via asymmetric Heck reaction and hydroarylation. <i>Chemical Communications</i> , 2013, 49, 11758.	4.1	74
29	Palladium-Catalyzed Enantioselective $\alpha$ -Arylation of $\alpha$ -Fluoroketones. <i>Journal of the American Chemical Society</i> , 2016, 138, 15980-15986.	13.7	73
30	Palladium-Catalyzed Heteroarylation and Concomitant <i>ortho</i> -Alkylation of Aryl Iodides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13397-13400.	13.8	71
31	Highly active catalysts of bisphosphine oxides for asymmetric Heck reaction. <i>Chemical Communications</i> , 2013, 49, 9425.	4.1	70
32	An enantioselective indium-mediated allylation reaction of aldehydes and ketones in dichloromethane. <i>Tetrahedron Letters</i> , 1999, 40, 9333-9336.	1.4	66
33	An enantioselective allylation reaction of aldehydes in an aqueous medium. <i>Tetrahedron Letters</i> , 1999, 40, 9115-9118.	1.4	65
34	A catalytic enantioselective allylation reaction of aldehydes in an aqueous medium. <i>Tetrahedron Letters</i> , 2000, 41, 5261-5264.	1.4	61
35	Palladium-Catalyzed <i>para</i> -Selective Alkylation of Electron-Deficient Arenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6294-6298.	13.8	59
36	<i>N,N</i> -Dimethylformamide as Hydride Source in Nickel-Catalyzed Asymmetric Hydrogenation of $\alpha,\beta$ -Unsaturated Esters. <i>Organic Letters</i> , 2016, 18, 5344-5347.	4.6	58

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37	N <sup>α</sup> -H Activation of Hydrazines by Iridium(I). Double N <sup>α</sup> -H Activation To Form Iridium Aminonitrene Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 11458-11460.	13.7	52
38	Palladium-Catalyzed Asymmetric $\beta$ -Arylation of Alkyl nitriles. <i>Journal of the American Chemical Society</i> , 2016, 138, 16240-16243.	13.7	51
39	Asymmetric Stepwise Reductive Amination of Sulfonamides, Sulfamates, and a Phosphinamide by Nickel Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 292-296.	13.8	51
40	An Efficient, Overall [4+1] Cycloaddition of 1,3-dienes and Nitrene Precursors. <i>Chemistry - A European Journal</i> , 2011, 17, 11553-11558.	3.3	49
41	Palladium-Catalyzed Alkynylation and Concomitant <i>ortho</i> Alkylation of Aryl Iodides. <i>ACS Catalysis</i> , 2016, 6, 1635-1639.	11.2	44
42	Asymmetric Intermolecular Heck Reaction of Propargylic Acetates and Cycloalkenes to Access Fused Cyclobutenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14567-14571.	13.8	44
43	Regioselective Heck reaction of aliphatic olefins and aryl halides. <i>Chemical Communications</i> , 2013, 49, 10236.	4.1	42
44	Nickel-Catalyzed Direct Synthesis of Aryl Olefins from Ketones and Organoboron Reagents under Neutral Conditions. <i>Journal of the American Chemical Society</i> , 2017, 139, 6086-6089.	13.7	42
45	General Suzuki Coupling of Heteroaryl Bromides by Using Tri- <i>tert</i> -butylphosphine as a Supporting Ligand. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5901-5905.	2.4	41
46	Selective Arylation and Vinylation at the $\beta$ Position of Vinylarenes. <i>Chemistry - A European Journal</i> , 2013, 19, 3504-3511.	3.3	40
47	Asymmetric Three-Component Heck Arylation/Amination of Nonconjugated Cycloalkenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5341-5345.	13.8	40
48	A challenging Heck reaction of maleimides. <i>Organic Chemistry Frontiers</i> , 2015, 2, 775-777.	4.5	37
49	Enantioselective Intermolecular Heck and Reductive Heck Reactions of Aryl Triflates, Mesylates, and Tosylates Catalyzed by Nickel. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2828-2832.	13.8	36
50	Nickel-Catalyzed $\alpha$ -Alkylation of Acylhydrazines and Arylamines Using Alcohols and Enantioselective Examples. <i>Angewandte Chemie</i> , 2017, 129, 14894-14898.	2.0	35
51	Nickel-Catalyzed Asymmetric Reductive Heck Cyclization of Aryl Halides to Afford Indolines. <i>Angewandte Chemie</i> , 2017, 129, 12897-12900.	2.0	35
52	Palladium-Catalyzed Direct Cyclopropylation of Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9601-9605.	13.8	33
53	Palladium-Catalyzed Enantioselective Arylation of Racemic Ketones to Form Bridged Bicycles via Dynamic Kinetic Resolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7673-7677.	13.8	31
54	Arylation of Aldehydes To Directly Form Ketones via Tandem Nickel Catalysis. <i>Organic Letters</i> , 2019, 21, 5817-5822.	4.6	31

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55	Nickel-Catalyzed Enantioselective Reductive Amination of Ketones with Both Arylamines and Benzhydrazide. <i>Angewandte Chemie</i> , 2016, 128, 12262-12266.	2.0	30
56	Asymmetric Hydroarylation of Enones via Nickel-Catalyzed 5-Endo-Trig Cyclization. <i>Organic Letters</i> , 2019, 21, 5990-5994.	4.6	30
57	Asymmetric Wacker-Type Oxyallylation and Azaallylation of Cyclic Alkenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2246-2250.	13.8	30
58	Palladium-Catalyzed Intermolecular Heck-Type Reaction of Epoxides. <i>ACS Catalysis</i> , 2018, 8, 7439-7444.	11.2	29
59	Selective arylation at the vinylic site of cyclic olefins. <i>Chemical Communications</i> , 2013, 49, 4794.	4.1	28
60	Asymmetric Umpolung Hydrogenation and Deuteration of Alkenes Catalyzed by Nickel. <i>Organic Letters</i> , 2020, 22, 1204-1207.	4.6	28
61	Metal-catalyzed asymmetric heteroarylation of alkenes: diverse activation mechanisms. <i>Chemical Society Reviews</i> , 2022, 51, 1592-1607.	38.1	26
62	An efficient method for the Heck-Catellani reaction of aryl halides. <i>Chemical Communications</i> , 2013, 49, 11035.	4.1	25
63	Enantioselective Three-Component Coupling of Heteroarenes, Cycloalkenes and Propargylic Acetates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4491-4495.	13.8	25
64	Palladium-Catalyzed Arylation of Ketones and Acetonitrile with <i>ortho</i> Alkylation of Aryl Rings: De Novo Synthesis of Tetralines and Benzocycloheptenes. <i>Organic Letters</i> , 2016, 18, 6120-6123.	4.6	23
65	Asymmetric Reductive and Alkynylation Heck Bicyclization of Enynes to Access Conformationally Restricted Aza[3.1.0]bicycles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10814-10818.	13.8	23
66	Enantioselective Synthesis of Chiral Carboxylic Acids from Alkynes and Formic Acid by Nickel-Catalyzed Cascade Reactions: Facile Synthesis of Profens. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	22
67	Achieving Vinylic Selectivity in Mizoroki-Heck Reaction of Cyclic Olefins. <i>Chemistry - A European Journal</i> , 2013, 19, 6014-6020.	3.3	18
68	A general method for asymmetric arylation and vinylation of silyl ketene acetals. <i>Organic Chemistry Frontiers</i> , 2014, 1, 365-367.	4.5	18
69	A novel reductive aminocyclization for the syntheses of chiral pyrrolidines: stereoselective syntheses of (S)-nornicotine and 2-( $\alpha$ -pyrrolidyl)-pyridines. <i>Tetrahedron Letters</i> , 1999, 40, 7847-7850.	1.4	16
70	Asymmetric Intermolecular Heck Reaction of Propargylic Acetates and Cycloalkenes to Access Fused Cyclobutenes. <i>Angewandte Chemie</i> , 2017, 129, 14759-14763.	2.0	16
71	Copper-Catalyzed Asymmetric Arylation of <i>N</i> -Heteroaryl Aldimines: Elementary Step of a 1,4-Insertion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2705-2709.	13.8	15
72	Enantioselective Synthesis of Chiral Carboxylic Acids from Alkynes and Formic Acid by Nickel-Catalyzed Cascade Reactions: Facile Synthesis of Profens. <i>Angewandte Chemie</i> , 0, , .	2.0	14

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73	Palladium-catalyzed para-selective Alkylation of Electron-deficient Arenes. <i>Angewandte Chemie</i> , 2018, 130, 6402-6406.	2.0	13
74	Asymmetric Stepwise Reductive Amination of Sulfonamides, Sulfamates, and a Phosphinamide by Nickel Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 298-302.	2.0	13
75	Recent Developments in Asymmetric Coupling of Enolates. <i>Synlett</i> , 2012, 2012, 1-5.	1.8	12
76	Palladium-catalyzed Enantioselective Arylation of Racemic Ketones to Form Bridged Bicycles via Dynamic Kinetic Resolution. <i>Angewandte Chemie</i> , 2018, 130, 7799-7803.	2.0	12
77	Nickel-catalyzed <i>C</i> -alkylation of thioamide, amides and esters by primary alcohols through a hydrogen autotransfer strategy. <i>Chemical Communications</i> , 2020, 56, 14083-14086.	4.1	12
78	Nickel-catalyzed Heck reaction of cycloalkenes using aryl sulfonates and pivalates. <i>Chemical Communications</i> , 2021, 57, 3933-3936.	4.1	11
79	Asymmetric Wacker-type Oxyallylation and Azaallylation of Cyclic Alkenes. <i>Angewandte Chemie</i> , 2020, 132, 2266-2270.	2.0	10
80	Asymmetric Three-component Heck Arylation/Amination of Nonconjugated Cycloalkenes. <i>Angewandte Chemie</i> , 2020, 132, 5379-5383.	2.0	9
81	Nickel-catalyzed enantioselective umpolung hydrogenation for stereoselective synthesis of $\beta$ -amido esters. <i>Chemical Communications</i> , 2021, 57, 11501-11504.	4.1	9
82	Asymmetric Reductive and Alkynylative Heck Bicyclization of Enynes to Access Conformationally Restricted Aza[3.1.0]bicycles. <i>Angewandte Chemie</i> , 2020, 132, 10906-10910.	2.0	8
83	Enantioselective Intermolecular Heck and Reductive Heck Reactions of Aryl Triflates, Mesylates, and Tosylates Catalyzed by Nickel. <i>Angewandte Chemie</i> , 2021, 133, 2864-2868.	2.0	7
84	Asymmetric Domino Heck Arylation and Alkylation of Nonconjugated Dienes: Double $\pi$ - $\pi$ -Sodium Attractive Noncovalent Interaction. <i>Organic Letters</i> , 2021, 23, 7064-7068.	4.6	7
85	Nickel-Catalyzed Chemo- and Regioselective Arylcyanation of $\beta,\beta$ -Unsaturated Amides. <i>Organic Letters</i> , 2022, 24, 4328-4332.	4.6	5
86	Copper-catalyzed Asymmetric Arylation of <i>N</i> -heteroaryl Aldimines: Elementary Step of a 1,4-insertion. <i>Angewandte Chemie</i> , 2019, 131, 2731-2735.	2.0	2
87	Enantioselective Three-component Coupling of Heteroarenes, Cycloalkenes and Propargylic Acetates. <i>Angewandte Chemie</i> , 2021, 133, 4541-4545.	2.0	2
88	Palladium-Catalyzed Negishi Cross-Coupling Reactions of Unactivated Alkyl Iodides, Bromides, Chlorides, and Tosylates. <i>ChemInform</i> , 2004, 35, no.	0.0	0
89	Cross-Couplings of Unactivated Secondary Alkyl Halides: Room-Temperature Nickel-Catalyzed Negishi Reactions of Alkyl Bromides and Iodides. <i>ChemInform</i> , 2004, 35, no.	0.0	0
90	Suzuki Cross-Couplings of Unactivated Secondary Alkyl Bromides and Iodides. <i>ChemInform</i> , 2004, 35, no.	0.0	0

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91	C C Bond Formation Through Heck-Like Reactions. , 2022, , .		0