

Li-Jin Xu

List of Publications by Year in descending order

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2093
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#	ARTICLE	IF	CITATIONS
1	Air-stable Ir-(P-Phos) complex for highly enantioselective hydrogenation of quinolines and their immobilization in poly(ethylene glycol) dimethyl ether (DMPEG). <i>Chemical Communications</i> , 2005, , 1390.	4.1	158
2	Asymmetric Hydrogenation of Quinoxalines with Diphosphinite Ligands: A Practical Synthesis of Enantioenriched, Substituted Tetrahydroquinoxalines. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9135-9138.	13.8	155
3	Air-Stable and Phosphine-Free Iridium Catalysts for Highly Enantioselective Hydrogenation of Quinoline Derivatives. <i>Organic Letters</i> , 2008, 10, 5265-5268.	4.6	152
4	Asymmetric hydrogenation of quinolines with high substrate/catalyst ratio. <i>Chemical Communications</i> , 2007, , 613-615.	4.1	122
5	Highly Enantioselective Iridium-Catalyzed Hydrogenation of Quinoline Derivatives Using Chiral Phosphinite H8-BINAPO. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1755-1758.	4.3	110
6	Highly Enantioselective Hydrogenation of Quinoline and Pyridine Derivatives with Iridiumâ€“(Pâ€“Phos) Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1055-1062.	4.3	100
7	Highly efficient and enantioselective hydrogenation of quinolines and pyridines with Ir-Difluorophos catalyst. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3464.	2.8	97
8	Asymmetric Hydrogenation of 2- and 2,3-Substituted Quinoxalines with Chiral Cationic Ruthenium Diamine Catalysts. <i>Organic Letters</i> , 2011, 13, 6568-6571.	4.6	89
9	Versatile (Pentamethylcyclopentadienyl)rhodiumâ€“2,2â€“bipyridine (Cp*Rhâ€“bpy) Catalyst for Transfer Hydrogenation of Nâ€“Heterocycles in Water. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3529-3537.	4.3	73
10	Titanium-Catalyzed Tandem Sulfoxidation-Kinetic Resolution Process: A Convenient Method for Higher Enantioselectivities and Yields of Chiral Sulfoxide. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 723-726.	4.3	61
11	Metal-free tandem cyclization/hydrosilylation to construct tetrahydroquinoxalines. <i>Green Chemistry</i> , 2018, 20, 403-411.	9.0	58
12	The Role of Spacers between Carboxylate Groups in Self-Assembly Process: Syntheses and Characterizations of Two Novel Cadmium(II) Complexes Derived from Mixed Ligands. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 37-43.	2.0	57
13	pH-Regulated transfer hydrogenation of quinoxalines with a Cp*Irâ€“diamine catalyst in aqueous media. <i>Tetrahedron</i> , 2011, 67, 6206-6213.	1.9	57
14	Rh(i)-catalyzed decarbonylative direct C2-olefination of indoles with vinyl carboxylic acids. <i>Chemical Communications</i> , 2014, 50, 12385-12388.	4.1	56
15	Rhodium(III)-Catalyzed Direct C=C Olefination of Arenes with Aliphatic Olefins. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 573-583.	4.3	54
16	B(C ₆ F ₅) ₃ -Catalyzed Deoxygenative Reduction of Amides to Amines with Ammonia Borane. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2301-2308.	4.3	49
17	Rhodium(III)-Catalyzed Oxidative Annulation of 2,2â€“Bipyridine N-Oxides with Alkynes via Dual Câ€“H Bond Activation. <i>Organic Letters</i> , 2018, 20, 3843-3847.	4.6	48
18	Rhodium-Catalyzed Decarbonylative Direct C2-Arylation of Indoles with Aryl Carboxylic Acids. <i>ChemCatChem</i> , 2014, 6, 3069-3074.	3.7	47

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19	Rhodium(<i>i</i>)-catalyzed C6-selective C–H alkenylation and polyenylation of 2-pyridones with alkenyl and conjugated polyenyl carboxylic acids. <i>Chemical Science</i> , 2019, 10, 10089-10096.	7.4	47
20	New Types of Homochiral Helical Coordination Polymers Constructed by exo-Bidentate Binaphthol Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1595-1599.	2.0	46
21	Polyethylene Glycol as an Environmentally Friendly and Recyclable Reaction Medium for Enantioselective Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2172-2182.	4.3	46
22	A versatile rhodium(<i>iii</i>) catalyst for direct acyloxylation of aryl and alkenyl C–H bonds with carboxylic acids. <i>Organic Chemistry Frontiers</i> , 2018, 5, 415-422.	4.5	46
23	Highly efficient chemoselective construction of 2,2-dimethyl-6-substituted 4-piperidones via multi-component tandem Mannich reaction in ionic liquids. <i>Green Chemistry</i> , 2010, 12, 949.	9.0	40
24	Multicomponent Self-Assembled Metal–Organic [3]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2015, 137, 12966-12976.	13.7	37
25	Rh(I)-Catalyzed C6-Selective Decarbonylative Alkylation of 2-Pyridones with Alkyl Carboxylic Acids and Anhydrides. <i>Organic Letters</i> , 2020, 22, 4228-4234.	4.6	37
26	Rhodium–Catalyzed Decarbonylative Direct Olefination of Arenes with Vinyl Carboxylic Acids. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1229-1236.	4.3	34
27	Palladium–Catalyzed Highly Regioselective Arylation of Allylamines with Thiophenes and Furans. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3225-3230.	4.3	32
28	Rhodium(<i>i</i>)-catalysed decarbonylative direct C–H vinylation and dienylation of arenes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 734-740.	4.5	32
29	Highly Air- and Water-Stable Fluorinated Ferrocenylphosphine-Aminophosphine Ligands and their Applications in Asymmetric Hydrogenations. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1904-1908.	4.3	31
30	Cobalt(III)-Catalyzed Regioselective C6 Olefination of 2-Pyridones Using Alkynes: Olefination/Directing Group Migration and Olefination. <i>Organic Letters</i> , 2021, 23, 4624-4629.	4.6	31
31	Syntheses and Characterizations of Metal–Organic Frameworks with Unusual Topologies Derived from Flexible Dipyridyl Ligands. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 3751.	2.0	27
32	Palladium–Catalyzed Regioselective and Stereoselective Oxidative Heck Arylation of Allylamines with Arylboronic Acids. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1570-1578.	4.3	26
33	Direct synthesis of 8-aryl tetrahydroquinolines via Pd-catalyzed ortho-arylation of arylureas in water. <i>RSC Advances</i> , 2013, 3, 1025-1028.	3.6	25
34	Iridium–Catalyzed Transfer Hydrogenation of 1,10-Phenanthrolines using Formic Acid as the Hydrogen Source. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 567-572.	4.3	25
35	Ru–Catalyzed Deoxygenative Transfer Hydrogenation of Amides to Amines with Formic Acid/Triethylamine. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3800-3806.	4.3	23
36	Ruthenium(II)-Catalyzed Regioselective C-8 Hydroxylation of 1,2,3,4-Tetrahydroquinolines. <i>Organic Letters</i> , 2018, 20, 6799-6803.	4.6	21

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37	Metal-Directed Stereoselective Syntheses of Homochiral Complexes of exo-Bidentate Binaphthol Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 751-758.	2.0	20
38	FeCl ₃ -Catalyzed SF ₅ -Containing Quinoline Synthesis: Three-Component Coupling Reactions of SF ₅ -Anilines, Aldehydes and Alkynes. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1415-1418.	2.4	20
39	Macrolactonization of Alkynyl Alcohol through Rh(I)/Yb(III) Catalysis. <i>Organic Letters</i> , 2018, 20, 6534-6538.	4.6	20
40	Manganese(I)-Catalyzed Site-Selective C6-Alkenylation of 2-Pyridones Using Alkynes via C-H Activation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2586-2593.	4.3	20
41	Palladium-Catalyzed, Highly Efficient, Regiocontrolled Arylation of Electron-Rich Allyl Amines with Aryl Halides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 899-907.	4.3	18
42	Rhodium(III)-Catalyzed Selective Direct Olefination of Imidazoles. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 985-994.	4.3	18
43	Rhodium(III)-Catalyzed C-H Bond Functionalization of 2-Pyridones with Alkynes: Switchable Alkenylation, Alkenylation/Directing Group Migration and Rollover Annulation. <i>Chemistry - A European Journal</i> , 2021, 27, 8811-8821.	3.3	17
44	Regio- and Stereoselective Synthesis of 1,2,3-Trisubstituted Indanes from Diarylmethanols and Allylamides through Iron(III) Chloride Hexahydrate. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2148-2155.	4.3	16
45	Rhodium(I)-catalyzed Decarbonylative Direct Olefination of 6-Arylpurines with Vinyl Carboxylic Acids Directed by the Purinyl N1 Atom. <i>ChemistrySelect</i> , 2016, 1, 653-658.	1.5	16
46	BF ₃ ·Et ₂ O as a metal-free catalyst for direct reductive amination of aldehydes with amines using formic acid as a reductant. <i>Green Chemistry</i> , 2021, 23, 5205-5211.	9.0	16
47	From CO ₂ to 4 <i>H</i> -Quinolizin-4-ones: A One-Pot Multicomponent Approach via Ag ₂ O/Cs ₂ CO ₃ Orthogonal Tandem Catalysis. <i>Journal of Organic Chemistry</i> , 2018, 83, 9561-9567.	3.2	15
48	Palladium-Catalyzed Highly Regioselective Mizoroki-Heck Arylation of Allyl Amines with Aryl Chlorides. <i>ChemCatChem</i> , 2014, 6, 311-318.	3.7	14
49	Palladium-Catalyzed Direct Arylation of Allyl Amines with Simple Arenes. <i>ChemCatChem</i> , 2015, 7, 1275-1279.	3.7	14
50	Efficient dealkylation of aryl alkyl ethers catalyzed by Cu ₂ O. <i>Tetrahedron</i> , 2018, 74, 2447-2453.	1.9	14
51	Palladium-catalyzed highly regioselective and stereoselective decarboxylative arylation of unactivated olefins with aryl carboxylic acids. <i>Tetrahedron</i> , 2017, 73, 2242-2249.	1.9	12
52	Rhodium(I)-Catalyzed C2-Selective Decarbonylative C-H Alkylation of Indoles with Alkyl Carboxylic Acids and Anhydrides. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 879-885.	2.7	12
53	Rh(I)-Catalyzed Direct C-H Arylation of 2-Pyridones with Aryl Carboxylic Acids. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3995-4001.	4.3	12
54	Catalytic asymmetric addition reactions leading to carbon-carbon bond formation: Phenyl and alkenyl transfer to aldehydes and alkylation of β -imino esters. <i>Pure and Applied Chemistry</i> , 2006, 78, 267-274.	1.9	11

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55	Formation of a palladium(ii) complex of 2-(2-pyridinylmethyleneamino)-2-hydroxy-1,1'-binaphthyl with novel C _f -coordination and its theoretical investigation. <i>Chemical Communications</i> , 2003, , 1666-1667.	4.1	10
56	Cobalt-Catalyzed Selective Transformation of Levulinic Acid and Amines into Pyrrolidines and Pyrrolidinones using Hydrogen. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2830-2836.	4.3	10
57	Palladium-catalyzed benzylic C(sp ³)-H carbonylative arylation of azaarylmethyl amines with aryl bromides. <i>Chemical Science</i> , 2021, 12, 10862-10870.	7.4	9
58	Rhodium(III)-Catalyzed Regioselective C-H Annulation and Alkenylation of 2-Pyridones with Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1264-1270.	4.3	9
59	Iridium-catalysed conjugated alkynylation of $\hat{1},\hat{1}^2$ -unsaturated amide through alkene isomerization. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1815-1819.	4.5	7
60	Rh(III)-catalyzed C6-selective Acylmethylation and Carboxymethylation of 2-Pyridones with Diazo Compounds. <i>ChemCatChem</i> , 2021, 13, 1730-1737.	3.7	6
61	One-Pot Synthesis of 3-Substituted 4-H-Quinolizin-4-ones via Alkyne Substrate Control Strategy. <i>Journal of Organic Chemistry</i> , 2021, 86, 3648-3655.	3.2	6
62	Metal-Free Tandem One-Pot Construction of 3,3-Disubstituted 3,4-Dihydroquinoxalin-2(1H)-ones under Visible-Light Photoredox Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 658-664.	4.3	6
63	Synthesis of $\hat{1}$ -Extended Carbazoles via One-Pot C-C Coupling and Chlorination Promoted by FeCl_3 . <i>Chinese Journal of Chemistry</i> , 2020, 38, 1538-1544.	4.9	5
64	G-quadruplex induced chirality of methylazacalix[6]pyridine via unprecedented binding stoichiometry: en route to multiplex controlled molecular switch. <i>Scientific Reports</i> , 2015, 5, 10479.	3.3	4
65	Na ₂ S ₂ O ₈ -Mediated Tandem One-Pot Construction of 3,3-Disubstituted 3,4-Dihydroquinoxalin-2(1H)-ones with 4-Alkyl-4,4-dihydropyridines as Alkyl Radical Sources. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	4
66	Synergistic regulation of nonbinary molecular switches by protonation and light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	4
67	Metal-Free Reductive Amination of Ketones with Amines Using Formic Acid as the Reductant under BF ₃ ·OEt ₂ Catalysis. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	4
68	Ligand-Promoted Rh ^I -Catalyzed C2-Selective C-H Alkenylation and Polyenylation of Imidazoles with Alkenyl Carboxylic Acids. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	3
69	Stabilizing G-quadruplex DNA by methylazacalix[n]pyridine through shape-complementary interaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 609-612.	2.2	2
70	Front Cover Picture: Rhodium(III)-Catalyzed Direct C-H Olefination of Arenes with Aliphatic Olefins (<i>Adv. Synth. Catal.</i> 4/2016). <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 507-507.	4.3	1
71	Ruthenium Catalyzed Asymmetric Hydrogenation of $\hat{1}$ - and $\hat{1}^2$ -Ketoesters in Room Temperature Ionic Liquids Using Chiral P-Phos Ligand. <i>ACS Symposium Series</i> , 2007, , 224-234.	0.5	0
72	Substrate-induced adjustment of $\hat{1}$ -stacking: en route to obtain 1D sandwich chain and higher order self-assembly supramolecular structures in solid state. <i>Supramolecular Chemistry</i> , 2017, 29, 24-31.	1.2	0

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73	Front Cover Picture: B(C ₆ F ₅) ₃ â€Catalyzed Deoxygenative Reduction of Amides to Amines with Ammonia Borane (Adv. Synth. Catal. 10/2019). Advanced Synthesis and Catalysis, 2019, 361, 2159-2159.	4.3	0
74	A Mild Silica Gel Promoted Synthesis and Initial Functional Study of Tetrapyrrolyl Tetrahydropyrrolopyrrolones. Organic Letters, 2022, 24, 5397-5401.	4.6	0