

Hua Chen

List of Publications by Year in descending order

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54
papers

826
citations

471371

17
h-index

580701

25
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55
all docs

55
docs citations

55
times ranked

812
citing authors

#	ARTICLE	IF	CITATIONS
1	Micellar effect in high olefin hydroformylation catalyzed by water-soluble rhodium complex. <i>Journal of Molecular Catalysis A</i> , 1999, 149, 1-6.	4.8	97
2	Rhodium-catalyzed Reaction of Silacyclobutanes with Unactivated Alkynes to Afford Silacyclohexenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4695-4699.	7.2	79
3	Efficient biphasic hydroaminomethylation of long chain olefins in ionic liquids. <i>Green Chemistry</i> , 2006, 8, 545.	4.6	36
4	Divergent Synthesis of Isoquinolone and Isocoumarin Derivatives by the Annulation of Benzoic Acid with <i>N</i> -Vinyl Amide. <i>Organic Letters</i> , 2019, 21, 9425-9429.	2.4	35
5	Dehydrogenation of Alcohols to Carboxylic Acid Catalyzed by in Situ-Generated Facial Ruthenium- <i>CPP</i> Complex. <i>Journal of Organic Chemistry</i> , 2019, 84, 9151-9160.	1.7	33
6	Rhodium- <i>PPTS</i> intercalated layered double hydroxides as hydroformylation catalyst. <i>AIChE Journal</i> , 2007, 53, 2916-2924.	1.8	31
7	Unsymmetrical Pincer <i>N</i> -Heterocyclic Carbene-Nitrogen-Phosphine Chelated Palladium(II) Complexes: Synthesis, Structure, and Reactivity in Direct <i>Csp²</i> - <i>H</i> Arylation of Benzoxazoles. <i>Organometallics</i> , 2018, 37, 979-988.	1.1	29
8	Synthesis of Unsymmetrical <i>N</i> -Heterocyclic Carbene-Nitrogen-Phosphine Chelated Ruthenium(II) Complexes and Their Reactivity in Acceptorless Dehydrogenative Coupling of Alcohols to Esters. <i>Organometallics</i> , 2019, 38, 1750-1760.	1.1	29
9	Regioselective Direct <i>C-H</i> Trifluoromethylation of Pyridine. <i>Organic Letters</i> , 2020, 22, 7108-7112.	2.4	27
10	Highly efficient catalytic system for the formation of dialdehydes from dicyclopentadiene hydroformylation. <i>Catalysis Communications</i> , 2014, 50, 29-33.	1.6	24
11	Rhodium-catalyzed Reaction of Silacyclobutanes with Unactivated Alkynes to Afford Silacyclohexenes. <i>Angewandte Chemie</i> , 2019, 131, 4743-4747.	1.6	22
12	Stereodivergent Synthesis of Alkenylpyridines via Pd/Cu Catalyzed <i>C-H</i> Alkenylation of Pyridinium Salts with Alkynes. <i>Organic Letters</i> , 2020, 22, 7814-7819.	2.4	22
13	Synthesis of 2-Formylpyrroles from Pyridinium Iodide Salts. <i>Organic Letters</i> , 2020, 22, 6107-6111.	2.4	22
14	<i>C₆₀</i> -selective Direct Arylation of 2-Phenylpyridine via an Activated <i>N</i> -methylpyridinium Salt: A Combined Experimental and Theoretical Study. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3990-3998.	2.1	21
15	Ruthenium-catalyzed synthesis of <i>N</i> -substituted lactams by acceptorless dehydrogenative coupling of diols with primary amines. <i>Chemical Communications</i> , 2019, 55, 12384-12387.	2.2	20
16	Studies on BNPP Cleavage by Schiff Base Complexes Containing Benzoaza-15-Crown-5 in DHAB Micellar Solution. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 869-877.	1.3	19
17	High Active and Regioselective Hydroformylation of 1-Dodecene Catalyzed by Rh-BISBIS in a Two-Phase System. <i>Catalysis Letters</i> , 2004, 94, 15-16.	1.4	18
18	Organophilic worm-like ruthenium nanoparticles catalysts by the modification of CTAB on montmorillonite supports. <i>Journal of Colloid and Interface Science</i> , 2013, 392, 201-205.	5.0	17

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19	One-Pot Synthesis of Symmetrical 2,6-Diarylpyridines via Palladium/Copper-Catalyzed Sequential Decarboxylative and Direct C-H Arylation. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1143-1148.	2.1	17
20	Mechanism of Direct C-H Arylation of Pyridine via a Transient Activator Strategy: A Combined Computational and Experimental Study. <i>Journal of Organic Chemistry</i> , 2018, 83, 10389-10397.	1.7	14
21	Insoluble Wilkinson Catalyst RhCl(TPPTS) ₃ Supported on SBA-15 for Heterogeneous Hydrogenation with and Without Supercritical CO ₂ . <i>Catalysis Letters</i> , 2004, 98, 225-228.	1.4	13
22	Highly Efficient Pd/Tetrphosphine Catalytic System for Copper-Free Sonogashira Reactions of Aryl Bromides with Terminal Alkynes. <i>Catalysis Letters</i> , 2012, 142, 594-600.	1.4	13
23	Homogeneous hydroformylation of long chain alkenes catalyzed by water soluble phosphine rhodium complex in CH ₃ OH and efficient catalyst cycling. <i>RSC Advances</i> , 2019, 9, 7382-7387.	1.7	12
24	Selective Rhodium-Catalyzed Hydroformylation of Terminal Arylalkynes and Conjugated Enynes to (Poly)enals Enabled by a π -Acceptor Biphosphoramidite Ligand. <i>Organic Letters</i> , 2021, 23, 6067-6072.	2.4	11
25	Highly Regioselective and Active Rh ⁺ -2,2-Bis(dipyrrolylphosphinoxy)-1,1'-binaphthyl Catalyst for Hydroformylation of 2-Octene. <i>Chemistry Letters</i> , 2009, 38, 596-597.	0.7	10
26	Cyclometalated Rhodium(III) Complexes Based on Substituted 2-Phenylpyridine Ligands: Synthesis, Structures, Photophysics, Electrochemistry, and DNA-Binding Properties. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4149-4157.	1.0	10
27	Rh(III)-Catalyzed [4 + 2] Self-Annulation of N-Vinylarylamides. <i>Organic Letters</i> , 2018, 20, 6755-6759.	2.4	10
28	Iridium-Catalyzed Benzylamine C-H Alkenylation Enabled by Pentafluorobenzoyl as the Directing Group. <i>Organic Letters</i> , 2019, 21, 1002-1006.	2.4	10
29	Rhodium/bisphosphite catalytic system for hydroformylation of styrene and its derivatives. <i>Applied Organometallic Chemistry</i> , 2013, 27, 474-478.	1.7	9
30	Synthesis, Characterization of N-Pyrrolylphosphanes Based on Heterocyclic Amine Backbones and Their Application in Hydroformylation of 1-Octene. <i>Catalysis Letters</i> , 2014, 144, 1074-1079.	1.4	9
31	Nonaqueous Biphasic Hydroformylation of Long Chain Alkenes Catalyzed by Water Soluble Phosphine Rhodium Catalyst with Polyethylene Glycol Instead of Water. <i>Catalysis Letters</i> , 2018, 148, 438-442.	1.4	9
32	Selective direct C-H polyfluoroarylation of electron-deficient N-heterocyclic compounds. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3887-3895.	2.3	9
33	Visible-light-initiated catalyst-free oxidative cleavage of triaryl-substituted alkenes containing pyridyl motif under ambient conditions. <i>Green Chemistry</i> , 2021, 23, 3649-3655.	4.6	9
34	1-Dodecene Hydroformylation Catalyzed by Water Soluble Rhodium Phosphine Complex in Two-Phase System. <i>Chinese Journal of Chemistry</i> , 2001, 19, 58-62.	2.6	8
35	Regioselective Rhodium-Diphosphine Ligand Catalyzed Hydroformylation of Vinyl Acetate. <i>Chinese Journal of Catalysis</i> , 2012, 33, 977-981.	6.9	8
36	PNPP Cleavage Catalyzed by Schiff Base Mn(III) Complexes Containing Polyether Side Chains in CTAB Micellar Solutions. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 879-886.	1.3	7

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37	Ruthenium-Catalyzed Divergent Acceptorless Dehydrogenative Coupling of 1,3-Diols with Arylhydrazines: Synthesis of Pyrazoles and 2-Pyrazolines. <i>Organic Letters</i> , 2022, 24, 3878-3883.	2.4	7
38	Selective hydroformylation of alkyl acrylates using [2,2'-bis(dipyrrolylphosphinoxy)-1,1'-(Δ^{\pm})-binaphthyl]/Rh catalyst: reversal of regioselectivity. <i>RSC Advances</i> , 2017, 7, 14816-14823.	1.7	5
39	A new air-stable and reusable tetraphosphine ligand for rhodium-catalyzed hydroformylation of terminal olefins at low temperature. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4646.	1.7	5
40	Linear-selective hydroformylation of vinyl ether using Rh (acac)(2,2'-bis((di[1H-indolyl]phosphanyl)oxy)-1,1'-binaphthalene) Possible way to synthesize 1,3-propanediol. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5863.	1.7	5
41	Highly regioselective homogeneous isomerization-hydroformylation of 2-butene with water- and air-stable phosphoramidite bidentate ligand. <i>Molecular Catalysis</i> , 2021, 508, 111598.	1.0	5
42	Highly Regioselective Hydroformylation of Higher Olefins Catalysed by Rhodium-phosphine Complexes in Ionic Liquid Medium. <i>Journal of Chemical Research</i> , 2007, 2007, 216-220.	0.6	4
43	Asymmetric retro-[1,4]-Brook rearrangement of 3-silyl allyloxysilanes via chirality transfer from silicon to carbon. <i>RSC Advances</i> , 2019, 9, 26209-26213.	1.7	4
44	Synthesis, Characterization and Properties of 1,4-Bis(Naphthalen-1-Ylethynyl)Benzene and Its Derivatives: Monomers of Oligomers or Polymers Based on Linear 1,4-Phenylethynyl or 1,5-Naphthylethynyl Subunits. <i>Designed Monomers and Polymers</i> , 2011, 14, 367-381.	0.7	3
45	Practical Synthesis of β,γ -Unsaturated Nitriles via a One-Pot Sequential Hydroformylation/Knoevenagel Reaction. <i>Journal of Organic Chemistry</i> , 2021, 86, 15413-15422.	1.7	3
46	Visible light-induced synthesis of β -iodoenamides from α -vinyl amides mediated by the ion pair charge transfer state. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1975-1981.	2.3	3
47	Synthesis and Anticoccidial Activities of Eight Novel Ethyl 7-Alkyl-6-(2-Aryloxyethoxy)-4-Hydroxyquinoline-3-Carboxylates. <i>Journal of Chemical Research</i> , 2010, 34, 71-74.	0.6	2
48	Hydroformylation of 2,5-norbornadiene in organic/aqueous two-phase system and acceleration by cationic surfactants. <i>Applied Organometallic Chemistry</i> , 2016, 30, 335-340.	1.7	2
49	A novel biphasic and recyclable system based on formamide for the hydroformylation of long-chain alkenes with water-soluble phosphine rhodium catalyst. <i>Molecular Catalysis</i> , 2021, 505, 111502.	1.0	2
50	Catalytic hydrogenation of CO ₂ with unsymmetric N-heterocyclic carbene-nitrogen-phosphine ruthenium complexes. <i>Catalysis Science and Technology</i> , 2021, 11, 6965-6969.	2.1	2
51	Effect of Electronic Factor in Ru-phosphine-diamine Complexes on Selective Hydrogenation of CC and CO Bonds. <i>Chinese Journal of Chemistry</i> , 2009, 27, 937-943.	2.6	1
52	Theoretical studies on the structure and property of alkylated dipenylamine antioxidants. <i>Journal of Theoretical and Computational Chemistry</i> , 2014, 13, 1450035.	1.8	1
53	Front Cover: Cyclometalated Rhodium(III) Complexes Based on Substituted 2-Phenylpyridine Ligands: Synthesis, Structures, Photophysics, Electrochemistry, and DNA-Binding Properties (<i>Eur. J. Inorg. Chem.</i>) Tj ETQq1 1 0.7843.14 rgBT (Overlock)	1.0	0
54	Cyclometalated Rhodium(III) Complexes Based on Substituted 2-Phenylpyridine Ligands: Synthesis, Structures, Photophysics, Electrochemistry, and DNA-Binding Properties. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4148-4148.	1.0	0