Caiyun Zhang

List of Publications by Year
in descending order

40 papers	829 citations	471509 17 h-index	501196 28 g-index
47 all docs	47 docs citations	47 times ranked	818 citing authors

#	Article	IF	Citations
1	Ethylene tri-/tetramerization catalysts supported by diphosphinoindole ligands. Journal of Organometallic Chemistry, 2022, 958, 122175.	1.8	5
2	Synthesis of 3â€Methyleneisoindolinâ€1â€ones and Isoquinolinium Salts via Exo and Endo Selective Cyclization of 2â€(1â€Alkynyl)benzaldimines. Chemistry - A European Journal, 2022, , .	3.3	0
3	Catalytic Arylative Endo Cyclization of Gold Acetylides: Access to 3,4â€Diphenyl Isoquinoline, 2,3â€Diphenyl Indole, and Mesoionic Normal NHCâ€“Gold Complex. Chemistry - A European Journal, 2021, 27, 212-217.	3.3	6
4	Sequential Sonogashira/intramolecular aminopalladation/cross-coupling of ortho-ethynyl-anilines catalyzed by a single palladium source: rapid access to 2,3-diarylindoles. Organic and Biomolecular Chemistry, 2021, 19, 1329-1333.	2.8	4
5	Effect of an additional donor on decene formation in ethylene oligomerization catalyzed by a Cr/PCCP system: a combined experimental and DFT study. Catalysis Science and Technology, 2021, 11, 4596-4604.	4.1	10
6	Au-promoted Pd-catalyzed arylative cyclization of N,N-dimethyl-o-alkynylaniline with aryl iodides: Access to 2,3-diaryl indoles and mechanistic insight. Tetrahedron Letters, 2021, 65, 152766.	1.4	4
7	Multicomponent Synthesis of Unsymmetrical 4,5-Disubstituted Imidazolium Salts as N-Heterocyclic Carbene Precursors: Applications in Palladium-Catalyzed Cross-Coupling Reactions. Journal of Organic Chemistry, 2021, 86, 6278-6288.	3.2	5
8	Synthesis of MAuAg (M = Ni, Pd, or Pt) and NiAuCu Heterotrimetallic Complexes Ligated by a Tritopic Carbanionic N-Heterocyclic Carbene. Inorganic Chemistry, 2021, 60, 16035-16041.	4.0	3
9	Mixed Alkyl/Aryl Diphos Ligands for Ironâ€Catalyzed Negishi and Kumada Cross Coupling Towards the Synthesis of Diarylmethane. ChemCatChem, 2021, 13, 5134-5140.	3.7	8
10	Syntheses of tetrahydroquinoline-based chiral carbene precursors and the related chiral NHCâ€“Au(i) complex. RSC Advances, 2020, 10, 35253-35256.	3.6	2
11	Gold(I) or Gold(III) as Real Intermediate Species in Gold-Catalyzed Cycloaddition Reactions of Enynal/Enynone?. ACS Catalysis, 2020, 10, 6682-6690.	11.2	22
12	Pd-Promoted cross coupling of iodobenzene with vinylgold via an unprecedented phenyl transmetalation from Pd to Au. Chemical Communications, 2020, 56, 6213-6216.	4.1	8
13	Preparation and Characterization of Single-Component Poly-Î±-olefin Oil Base Stocks. Energy & Fuels, 2019, 33, 9796-9804.	5.1	26
14	Six-Membered Janus-type Ditopic N-Heterocyclic Carbene Coinage Metal Complexes. Organometallics, 2019, 38, 2132-2137.	2.3	13
15	Regiospecific and stereoselective synthesis of (E)- and (Z)-2-phosphino-1-alkenyl boronates via Cu-catalyzed hydroboration of alkynylphosphines. New Journal of Chemistry, 2018, 42, 8342-8345.	2.8	3
16	A tritopic carbanionic N-heterocyclic dicarbene and its homo- and heterometallic coinage metal complexes. Chemical Communications, 2018, 54, 5736-5739.	4.1	14
17	Facile syntheses of N-heterocyclic carbene precursors through Cu(ii)- or Ag(i)-catalyzed amination of N-alkynyl formamidines. New Journal of Chemistry, 2017, 41, 1889-1892.	2.8	2
18	Highly active chromium-based selective ethylene tri-/tetramerization catalysts supported by N,N-diphospholylamines. Inorganica Chimica Acta, 2017, 466, 117-121.	2.4	7

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19	Ethylene tri-/tetramerization catalysts supported by diphosphinothiophene ligands. Dalton Transactions, 2017, 46, 8399-8404.	3.3	14
20	Catalytic domino amination and oxidative coupling of gold acetylides and isolation of key vinylene digold intermediates as a new class of ditopic N-heterocyclic carbene complexes. Chemical Communications, 2017, 53, 10835-10838.	4.1	12
21	Synthesis and structures of gold and copper carbene intermediates in catalytic amination of alkynes. Nature Communications, 2017, 8, 14625.	12.8	44
22	Facile Syntheses of Nâ€Heterocyclic Carbene Precursors through I₂â€•or NISâ€Promoted Amidiniumation of Nâ€Alkenyl Formamidines. Chemistry - an Asian Journal, 2016, 11, 1361-1365.	3.3	10
23	Isolation and characterization of gem-diaurated species having two Câ€“Au Ïƒ bonds in gold(<scp>i</scp>)-activated amidiniumation of alkynes. Dalton Transactions, 2016, 45, 17091-17094.	3.3	13
24	Copper, Silver and Sodium Saltâ€Mediated Quaternization by Arylation: Syntheses of Nâ€Heterocyclic Carbene Precursors and 6â€Hâ€Phenanthridine Derivatives. Chemistry - an Asian Journal, 2016, 11, 1883-1886.	3.3	8
25	Silverâ€Catalyzed Amidiniumation of Alkynes: Isolation of a Silver Intermediate, Synthesis of Enamine Amido Carbene Precursors, and an Unprecedented Umpolung of Propiolamide. Angewandte Chemie - International Edition, 2015, 54, 14941-14946.	13.8	31
26	Intramolecular aminochalcogenation and diamination of alkenes employing N-iodosuccinimide. Tetrahedron Letters, 2015, 56, 1505-1509.	1.4	13
27	NIS/PhI(OAc)₂â€Mediated Diamination/Oxidation of Nâ€Alkenyl Formamidines: Facile Synthesis of Fused Tricyclic Ureas. Chemistry - an Asian Journal, 2015, 10, 544-547.	3.3	12
28	Highly active chromium-based selective ethylene tri-/tetramerization catalysts supported by PNPO phosphazane ligands. Dalton Transactions, 2015, 44, 9545-9550.	3.3	20
29	Metal-free aminoamidiniumation employing N-iodosuccinimide: facile syntheses of bicyclic imidazolidiniums and cyclic vicinal diamines. Chemical Communications, 2014, 50, 15052-15054.	4.1	22
30	Synthesis of iridium and rhodium complexes with new chiral phosphine-NHC ligands based on 1,1â€²-binaphthyl framework and their application in asymmetric hydrogenation. Dalton Transactions, 2013, 42, 13599.	3.3	18
31	Ruthenium-catalyzed olefin metathesis accelerated by the steric effect of the backbone substituent in cyclic (alkyl)(amino) carbenes. Chemical Communications, 2013, 49, 9491.	4.1	59
32	Switchable Ethylene Tri-/Tetramerization with High Activity: Subtle Effect Presented by Backbone-Substituent of Carbon-Bridged Diphosphine Ligands. ACS Catalysis, 2013, 3, 2311-2317.	11.2	54
33	Synthesis of Various Saturated and Unsaturated Nâ€Heterocyclic Carbene Precursors by Triflic Anhydride Mediated Intramolecular Cyclization. Chemistry - an Asian Journal, 2013, 8, 552-555.	3.3	28
34	Fine-Tunable 3,4-Dihydroquinazol-2-ylidene Carbenes: Synthesis, Rhodium(I) Complexes, and Reactivity. Organometallics, 2012, 31, 8275-8282.	2.3	23
35	Tailor-made synthesis of various backbone-substituted imidazolinium salts by triflic anhydride mediated intramolecular cyclisation. Chemical Communications, 2012, 48, 9192.	4.1	24
36	Abnormal oxazol-4-ylidene and thiazol-4-ylidene rhodium complexes: synthesis, structure, and properties. Chemical Communications, 2012, 48, 9625.	4.1	27

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37	A facile preparation of backbone-substituted, functionalized and chiral imidazolinium salts. Chemical Communications, 2011, 47, 12541.	4.1	29
38	Crystallographic Revelation of the Role of AlMe3 (in MAO) in Cr [NNN] Pyrazolyl Catalyzed Ethylene Trimerization. Organometallics, 2009, 28, 2935-2937.	2.3	81
39	Ligand effect on ethylene trimerisation with [NNN]-heteroscorpionate pyrazolyl Cr(III) catalysts. Dalton Transactions, 2009, , 9327.	3.3	44
40	Highly Selective Chromium(III) Ethylene Trimerization Catalysts with [NON] and [NSN] Heteroscorpionate Ligands. Organometallics, 2008, 27, 4277-4279.	2.3	91