

# Caiyun Zhang

## List of Publications by Year in descending order

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40  
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citations

471509

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501196

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docs citations

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times ranked

818  
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| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Highly Selective Chromium(III) Ethylene Trimerization Catalysts with [NON] and [NSN] Heteroscorpionate Ligands. <i>Organometallics</i> , 2008, 27, 4277-4279.  | 2.3  | 91        |
| 2  | Crystallographic Revelation of the Role of AlMe <sub>3</sub> (in MAO) in Cr [NNN] Pyrazolyl Catalyzed Ethylene Trimerization. <i>Organometallics</i> , 2009, 28, 2935-2937.  | 2.3  | 81        |
| 3  | Ruthenium-catalyzed olefin metathesis accelerated by the steric effect of the backbone substituent in cyclic (alkyl)(amino) carbenes. <i>Chemical Communications</i> , 2013, 49, 9491.   | 4.1  | 59        |
| 4  | Switchable Ethylene Tri-/Tetramerization with High Activity: Subtle Effect Presented by Backbone-Substituent of Carbon-Bridged Diphosphine Ligands. <i>ACS Catalysis</i> , 2013, 3, 2311-2317.   | 11.2 | 54        |
| 5  | Ligand effect on ethylene trimerisation with [NNN]-heteroscorpionate pyrazolyl Cr(III) catalysts. <i>Dalton Transactions</i> , 2009, , 9327.   | 3.3  | 44        |
| 6  | Synthesis and structures of gold and copper carbene intermediates in catalytic amination of alkynes. <i>Nature Communications</i> , 2017, 8, 14625.  | 12.8 | 44        |
| 7  | Silver-Catalyzed Amidinium of Alkynes: Isolation of a Silver Intermediate, Synthesis of Enamine Amido Carbene Precursors, and an Unprecedented Umpolung of Propiolamide. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14941-14946. | 13.8 | 31        |
| 8  | A facile preparation of backbone-substituted, functionalized and chiral imidazolium salts. <i>Chemical Communications</i> , 2011, 47, 12541.   | 4.1  | 29        |
| 9  | Synthesis of Various Saturated and Unsaturated N-Heterocyclic Carbene Precursors by Triflic Anhydride Mediated Intramolecular Cyclization. <i>Chemistry - an Asian Journal</i> , 2013, 8, 552-555.   | 3.3  | 28        |
| 10 | Abnormal oxazol-4-ylidene and thiazol-4-ylidene rhodium complexes: synthesis, structure, and properties. <i>Chemical Communications</i> , 2012, 48, 9625.  | 4.1  | 27        |
| 11 | Preparation and Characterization of Single-Component Poly- $\alpha$ -olefin Oil Base Stocks. <i>Energy &amp; Fuels</i> , 2019, 33, 9796-9804.  | 5.1  | 26        |
| 12 | Tailor-made synthesis of various backbone-substituted imidazolium salts by triflic anhydride mediated intramolecular cyclisation. <i>Chemical Communications</i> , 2012, 48, 9192.   | 4.1  | 24        |
| 13 | Fine-Tunable 3,4-Dihydroquinazol-2-ylidene Carbenes: Synthesis, Rhodium(I) Complexes, and Reactivity. <i>Organometallics</i> , 2012, 31, 8275-8282.  | 2.3  | 23        |
| 14 | Metal-free aminoamidinium employing N-iodosuccinimide: facile syntheses of bicyclic imidazolidiniums and cyclic vicinal diamines. <i>Chemical Communications</i> , 2014, 50, 15052-15054.  | 4.1  | 22        |
| 15 | Gold(I) or Gold(III) as Real Intermediate Species in Gold-Catalyzed Cycloaddition Reactions of Enynal/Enynone?. <i>ACS Catalysis</i> , 2020, 10, 6682-6690.  | 11.2 | 22        |
| 16 | Highly active chromium-based selective ethylene tri-/tetramerization catalysts supported by PNPO phosphazane ligands. <i>Dalton Transactions</i> , 2015, 44, 9545-9550.  | 3.3  | 20        |
| 17 | Synthesis of iridium and rhodium complexes with new chiral phosphine-NHC ligands based on 1,1'-binaphthyl framework and their application in asymmetric hydrogenation. <i>Dalton Transactions</i> , 2013, 42, 13599.                               | 3.3  | 18        |
| 18 | Ethylene tri-/tetramerization catalysts supported by diphosphanothiophene ligands. <i>Dalton Transactions</i> , 2017, 46, 8399-8404.   | 3.3  | 14        |

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|----|--|-----|-----------|
| 19 | A tritopic carbanionic N-heterocyclic dicarbene and its homo- and heterometallic coinage metal complexes. <i>Chemical Communications</i> , 2018, 54, 5736-5739.  | 4.1 | 14        |
| 20 | Intramolecular aminochalcogenation and diamination of alkenes employing N-iodosuccinimide. <i>Tetrahedron Letters</i> , 2015, 56, 1505-1509.   | 1.4 | 13        |
| 21 | Isolation and characterization of gem-diaurated species having two Au-Œ bonds in gold(Œ)-activated amidinium of alkynes. <i>Dalton Transactions</i> , 2016, 45, 17091-17094.   | 3.3 | 13        |
| 22 | Six-Membered Janus-type Ditopic N-Heterocyclic Carbene Coinage Metal Complexes. <i>Organometallics</i> , 2019, 38, 2132-2137.  | 2.3 | 13        |
| 23 | NIS/PhI(OAc) <sub>2</sub> -Mediated Diamination/Oxidation of N-Alkenyl Formamidines: Facile Synthesis of Fused Tricyclic Ureas. <i>Chemistry - an Asian Journal</i> , 2015, 10, 544-547.   | 3.3 | 12        |
| 24 | 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. <i>Chemical Communications</i> , 2017, 53, 10835-10838.  | 4.1 | 12        |
| 25 | Facile Syntheses of N-Heterocyclic Carbene Precursors through I <sub>2</sub> - or NIS-Promoted Amidinium of N-Alkenyl Formamidines. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1361-1365.   | 3.3 | 10        |
| 26 | Effect of an additional donor on decene formation in ethylene oligomerization catalyzed by a Cr/PCCP system: a combined experimental and DFT study. <i>Catalysis Science and Technology</i> , 2021, 11, 4596-4604.                           | 4.1 | 10        |
| 27 | Copper, Silver and Sodium Salt-Mediated Quaternization by Arylation: Syntheses of N-Heterocyclic Carbene Precursors and 6-H-Phenanthridine Derivatives. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1883-1886.                           | 3.3 | 8         |
| 28 | Pd-Promoted cross coupling of iodobenzene with vinylgold via an unprecedented phenyl transmetalation from Pd to Au. <i>Chemical Communications</i> , 2020, 56, 6213-6216.  | 4.1 | 8         |
| 29 | Mixed Alkyl/Aryl Diphos Ligands for Iron-Catalyzed Negishi and Kumada Cross Coupling Towards the Synthesis of Diarylmethane. <i>ChemCatChem</i> , 2021, 13, 5134-5140.   | 3.7 | 8         |
| 30 | Highly active chromium-based selective ethylene tri-/tetramerization catalysts supported by N,N-diphosphorylamines. <i>Inorganica Chimica Acta</i> , 2017, 466, 117-121.   | 2.4 | 7         |
| 31 | Catalytic Arylative Endo Cyclization of Gold Acetylides: Access to 3,4-Diphenyl Isoquinoline, 2,3-Diphenyl Indole, and Mesoionic Normal NHC-Gold Complex. <i>Chemistry - A European Journal</i> , 2021, 27, 212-217.                         | 3.3 | 6         |
| 32 | Multicomponent Synthesis of Unsymmetrical 4,5-Disubstituted Imidazolium Salts as N-Heterocyclic Carbene Precursors: Applications in Palladium-Catalyzed Cross-Coupling Reactions. <i>Journal of Organic Chemistry</i> , 2021, 86, 6278-6288. | 3.2 | 5         |
| 33 | Ethylene tri-/tetramerization catalysts supported by diphosphinoindole ligands. <i>Journal of Organometallic Chemistry</i> , 2022, 958, 122175.  | 1.8 | 5         |
| 34 | Sequential Sonogashira/intramolecular aminopalladation/cross-coupling of ortho-ethynyl-anilines catalyzed by a single palladium source: rapid access to 2,3-diarylindoles. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1329-1333.  | 2.8 | 4         |
| 35 | Au-promoted Pd-catalyzed arylative cyclization of N,N-dimethyl-o-alkynylaniline with aryl iodides: Access to 2,3-diaryl indoles and mechanistic insight. <i>Tetrahedron Letters</i> , 2021, 65, 152766.                                      | 1.4 | 4         |
| 36 | Regiospecific and stereoselective synthesis of (E)- and (Z)-2-phosphino-1-alkenyl boronates via Cu-catalyzed hydroboration of alkyne phosphines. <i>New Journal of Chemistry</i> , 2018, 42, 8342-8345.                                      | 2.8 | 3         |

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|----|--|-----|-----------|
| 37 | Synthesis of MAuAg (M = Ni, Pd, or Pt) and NiAuCu Heterotrimetallic Complexes Ligated by a Tritopic Carbanionic N-Heterocyclic Carbene. <i>Inorganic Chemistry</i> , 2021, 60, 16035-16041.          | 4.0 | 3         |
| 38 | Facile syntheses of N-heterocyclic carbene precursors through Cu(ii)- or Ag(i)-catalyzed amination of N-alkynyl formamidines. <i>New Journal of Chemistry</i> , 2017, 41, 1889-1892.                 | 2.8 | 2         |
| 39 | Syntheses of tetrahydroquinoline-based chiral carbene precursors and the related chiral NHCâ€“Au(i) complex. <i>RSC Advances</i> , 2020, 10, 35253-35256.  | 3.6 | 2         |
| 40 | Synthesis of 3â€“Methyleneisoindolinâ€“1â€“ones and Isoquinolinium Salts via Exo and Endo Selective Cyclization of 2â€“(1â€“Alkynyl)benzaldimines. <i>Chemistry - A European Journal</i> , 2022, , . | 3.3 | 0         |