

# Wen-Xiong Zhang

## List of Publications by Year in descending order

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149  
papers

5,336  
citations

81743

39  
h-index

106150

65  
g-index

163  
all docs

163  
docs citations

163  
times ranked

3258  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Transition-Metal-Catalyzed Cleavage of C–N Single Bonds. <i>Chemical Reviews</i> , 2015, 115, 12045-12090.   | 23.0 | 547       |
| 2  | Catalytic Addition of Amine N–H Bonds to Carbodiimides by Half-Sandwich Rare-Earth Metal Complexes: Efficient Synthesis of Substituted Guanidines through Amine Protonolysis of Rare-Earth Metal Guanidates. <i>Chemistry - A European Journal</i> , 2007, 13, 4037-4051.                | 1.7  | 159       |
| 3  | Catalytic addition of alkyne C–H, amine N–H, and phosphine P–H bonds to carbodiimides: an efficient route to propiolamidines, guanidines, and phosphoguanidines. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1720.  | 1.5  | 147       |
| 4  | Catalytic Addition of Terminal Alkynes to Carbodiimides by Half-Sandwich Rare Earth Metal Complexes. <i>Journal of the American Chemical Society</i> , 2005, 127, 16788-16789.   | 6.6  | 146       |
| 5  | Metallacyclopentadienes: synthesis, structure and reactivity. <i>Chemical Society Reviews</i> , 2017, 46, 1160-1192.   | 18.7 | 134       |
| 6  | Recent development of synthetic preparation methods for guanidines via transition metal catalysis. <i>Chemical Communications</i> , 2015, 51, 254-265.   | 2.2  | 124       |
| 7  | Direct transformation of dinitrogen: synthesis of N-containing organic compounds via N–C bond formation. <i>National Science Review</i> , 2020, 7, 1564-1583.  | 4.6  | 114       |
| 8  | Cyclopentadiene–Phosphine/Palladium-Catalyzed Cleavage of C–N Bonds in Secondary Amines: Synthesis of Pyrrole and Indole Derivatives from Secondary Amines and Alkenyl or Aryl Dibromides. <i>Journal of the American Chemical Society</i> , 2012, 134, 20230-20233.                     | 6.6  | 101       |
| 9  | The aromatic dianion metalloles. <i>Chemical Science</i> , 2018, 9, 560-568.   | 3.7  | 100       |
| 10 | Half-Sandwich $\sigma$ -N,N-Dimethylaminobenzyl Complexes over the Full Size Range of Group 3 and Lanthanide Metals. Synthesis, Structural Characterization, and Catalysis of Phosphine P–H Bond Addition to Carbodiimides. <i>Chemistry - A European Journal</i> , 2008, 14, 2167-2179. | 1.7  | 98        |
| 11 | Alkyl Aluminum-Catalyzed Addition of Amines to Carbodiimides: A Highly Efficient Route to Substituted Guanidines. <i>Organometallics</i> , 2009, 28, 882-887.  | 1.1  | 92        |
| 12 | Dinitrogen Functionalization Affording Chromium Hydrazido Complex. <i>Journal of the American Chemical Society</i> , 2019, 141, 4241-4247.   | 6.6  | 88        |
| 13 | Scandium-Promoted Direct Conversion of Dinitrogen into Hydrazine Derivatives via N–C Bond Formation. <i>Journal of the American Chemical Society</i> , 2019, 141, 8773-8777.   | 6.6  | 80        |
| 14 | Spiro Metalla-aromatics of Pd, Pt, and Rh: Synthesis and Characterization. <i>Journal of the American Chemical Society</i> , 2017, 139, 5039-5042.   | 6.6  | 79        |
| 15 | Alkali-metal-catalyzed addition of primary and secondary phosphines to carbodiimides. A general and efficient route to substituted phosphoguanidines. <i>Chemical Communications</i> , 2006, , 3812.   | 2.2  | 76        |
| 16 | Carbodiimide-based synthesis of N-heterocycles: moving from two classical reactive sites to chemical bond breaking/forming reaction. <i>Chemical Society Reviews</i> , 2020, 49, 5810-5849.  | 18.7 | 76        |
| 17 | $\text{Ln}(\text{CH}_2)_4(\text{CH}_2)_4$ Cubane-Type Rare-Earth Methylidene Complexes Consisting of $(\text{C}_5\text{Me}_4\text{SiMe}_3)_2\text{LnCH}_2$ Units (Ln = Tm, Yb). <i>Journal of the American Chemical Society</i> , 2017, 139, 7843-7849.                                  | 6.6  | 74        |
| 18 | Aromatic Dicyclopenta[10]annulenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 60-63.  | 6.6  | 74        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Efficient One-Pot Synthesis of 2,3-Dihydropyrimidinethiones via Multicomponent Coupling of Terminal Alkynes, Elemental Sulfur, and Carbodiimides. <i>Journal of the American Chemical Society</i> , 2009, 131, 15108-15109.  | 6.6 | 70        |
| 20 | Direct Synthesis of Phospholyl Lithium from White Phosphorus. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9187-9190.  | 7.2 | 67        |
| 21 | Zirconocene and Si-Tethered Dienes: A Happy Match Directed toward Organometallic Chemistry and Organic Synthesis. <i>Accounts of Chemical Research</i> , 2011, 44, 541-551.  | 7.6 | 65        |
| 22 | Zn(OTf) <sub>2</sub> -catalyzed addition of amines to carbodiimides: efficient synthesis of guanidines and unpredicted formation of Zn=C=N amido species. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1816.   | 1.5 | 64        |
| 23 | Regioselective Ring Expansion of 2,4-Diiminoazetidines via Cleavage of C=N and C(sp <sup>3</sup> )-H Bonds: Efficient Construction of 2,3-Dihydropyrimidinesulfonamides. <i>Journal of the American Chemical Society</i> , 2012, 134, 2926-2929.   | 6.6 | 61        |
| 24 | Dual Functionalization of White Phosphorus: Formation, Characterization, and Reactivity of Rare-Earth Metal Cyclo-P <sub>3</sub> Complexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15886-15890.  | 7.2 | 61        |
| 25 | Synthesis of (Z)-1,3-Enynes by the Cross-Coupling of Terminal Alkynes with Isocyanides Catalyzed by Rare-Earth Metal Complexes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9700-9703.  | 7.2 | 60        |
| 26 | Dianions as Formal Oxidants: Synthesis and Characterization of Aromatic Dilithionickeloles from 1,4-Dilithio-1,3-butadienes and [Ni(cod) <sub>2</sub> ]. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5999-6002.   | 7.2 | 60        |
| 27 | Procedure-Controlled Selective Synthesis of 5-Acyl-2-iminothiazolines and their Selenium and Tellurium Derivatives by Convergent Tandem Annulation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8122-8126.  | 7.2 | 59        |
| 28 | Organocopper(III) Spiro Complexes: Synthesis, Structural Characterization, and Redox Transformation. <i>Journal of the American Chemical Society</i> , 2017, 139, 13688-13691.   | 6.6 | 56        |
| 29 | Diverse Reactions of 1,4-Dilithio-1,3-dienes with Nitriles: Facile Access to Tricyclic "1<sup>1</sup>-Bipyrrolines, Multiply Substituted Pyridines, Siloles, and (Z,Z)-Dienylsilanes by Tuning of Substituents on the Butadienyl Skeleton. <i>Chemistry - A European Journal</i> , 2008, 14, 5670-5679.              | 1.7 | 52        |
| 30 | Magnesiacyclopentadienes as Alkaline-Earth Metallacyclopentadienes: Facile Synthesis, Structural Characterization, and Synthetic Application. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5634-5638.  | 7.2 | 52        |
| 31 | Mechanistic Considerations of the Catalytic Guanylation Reaction of Amines with Carbodiimides for Guanidine Synthesis. <i>Organometallics</i> , 2015, 34, 1787-1801.   | 1.1 | 52        |
| 32 | Intramolecular C-F and C-H bond cleavage promoted by butadienyl heavy Grignard reagents. <i>Nature Communications</i> , 2014, 5, 4508.   | 5.8 | 50        |
| 33 | 1,3-Butadienyl Dianions as Non-Innocent Ligands: Synthesis and Characterization of Aromatic Dilithio Rhodacycles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9986-9990.  | 7.2 | 49        |
| 34 | Frustrated Lewis Pairs: Discovery and Overviews in Catalysis. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1360-1370.   | 2.6 | 49        |
| 35 | Oxidant-Switchable Selective Synthesis of 2-Aminobenzimidazoles via C-H Amination/Acetoxylation of Guanidines. <i>Organic Letters</i> , 2014, 16, 6274-6277.   | 2.4 | 48        |
| 36 | Barium Dibenzopentalenide as a Main-Group Metal I <sup>8+</sup> Complex: Facile Synthesis from 1,4-Dilithio-1,3-butadienes and Ba[N(SiMe <sub>3</sub> ) <sub>3</sub> ] <sub>2</sub> , Structural Characterization, and Reaction Chemistry. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10822-10825. | 7.2 | 47        |

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|----|---|-----|-----------|
| 37 | 2,6-Diazasemibullvalenes: Synthesis, Structural Characterization, Reaction Chemistry, and Theoretical Analysis. <i>Journal of the American Chemical Society</i> , 2012, 134, 11964-11967.   | 6.6 | 43        |
| 38 | Metalla-aromatics: Planar, Nonplanar, and Spiro. <i>Accounts of Chemical Research</i> , 2021, 54, 2323-2333.  | 7.6 | 43        |
| 39 | Half-Sandwich Complexes of Dy <sup>III</sup> : A Janus-Motif with Facile Tunability of Magnetism. <i>Inorganic Chemistry</i> , 2015, 54, 5162-5168.   | 1.9 | 42        |
| 40 | The First Lutetacyclopentadienes: Synthesis, Structure, and Diversified Insertion/C <sub>2</sub> H Activation Reactivity. <i>Chemistry - A European Journal</i> , 2015, 21, 6686-6689.  | 1.7 | 41        |
| 41 | Well-Defined Scandacyclopropenes: Synthesis, Structure, and Reactivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 20547-20555.   | 6.6 | 40        |
| 42 | Isolation, Structural Characterization, and Synthetic Application of Oxycyclopentadienyl Dianions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8111-8114.  | 7.2 | 39        |
| 43 | Isolation and X-ray Structure of a Trimeric 1,4-Dilithio-1,3-butadiene and a Dimeric Me <sub>3</sub> Si-Substituted 1,4-Dilithio-1,3-butadiene. <i>Organometallics</i> , 2010, 29, 278-281.   | 1.1 | 39        |
| 44 | Transition-metal-catalyzed transformations of C=N single bonds: Advances in the last five years, challenges and prospects. <i>Green Synthesis and Catalysis</i> , 2021, 2, 87-122.  | 3.7 | 39        |
| 45 | Organometallic intermediate-based organic synthesis: organo-di-lithio reagents and beyond. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1132-1139.   | 2.3 | 37        |
| 46 | Direct Functionalization of White Phosphorus to Cyclotetraphosphanes: Selective Formation of Four P-C Bonds. <i>Journal of the American Chemical Society</i> , 2019, 141, 6843-6847.  | 6.6 | 37        |
| 47 | A tris-spiro metalla-aromatic system featuring Craig-Möbius aromaticity. <i>Nature Communications</i> , 2021, 12, 1319.   | 5.8 | 35        |
| 48 | Cleavage of the C <sub>2</sub> N Bond in Carbodiimides via Release of High Ring Strain: A New Strategy for the Selective Synthesis of $\alpha$ -Aminoaryl Alkynyl Imines. <i>Chemistry - A European Journal</i> , 2014, 20, 2463-2468.      | 1.7 | 34        |
| 49 | Tetralithio Metalla-aromatics with Two Independent Perpendicular Dilithio Aromatic Rings Spiro-fused by One Manganese Atom. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9625-9631.   | 7.2 | 33        |
| 50 | Zirconium- and Silicon-Containing Intermediates with Three Fused Rings in a Zirconocene-Mediated Intermolecular Coupling Reaction. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7227-7231.                                  | 7.2 | 31        |
| 51 | Formation of Zirconocenes Containing Vinyl-imine and Ketenimate Species from Zirconacycles and Diphenylacetonitrile. <i>Organometallics</i> , 2011, 30, 3464-3467.  | 1.1 | 31        |
| 52 | Metal-free synthesis of cyclic di-oxoguanidines via one-pot sequential transformation of amines, carbodiimides and acyl dichlorides. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6266.  | 1.5 | 31        |
| 53 | Rare-Earth Metal Tris(trimethylsilylmethyl) Anionic Complexes Bearing One 1-Phenyl-2,3,4,5-tetrapropylcyclopentadienyl Ligand: Synthesis, Structural Characterization, and Application. <i>Inorganic Chemistry</i> , 2012, 51, 11941-11948. | 1.9 | 30        |
| 54 | Isolable and Well-Defined Butadienyl Organocopper(I) Aggregates: Facile Synthesis, Structural Characterization, and Reaction Chemistry. <i>Journal of the American Chemical Society</i> , 2014, 136, 610-613.                               | 6.6 | 30        |

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|----|--|-----|-----------|
| 55 | Aromatic Tetralithiodigalloles with a Ga–Ga Bond: Synthesis and Structural Characterization. <i>Organometallics</i> , 2017, 36, 2982-2986.   | 1.1 | 30        |
| 56 | Semibullvalene and Diazasemibullvalene: Recent Advances in the Synthesis, Reaction Chemistry, and Synthetic Applications. <i>Accounts of Chemical Research</i> , 2015, 48, 1823-1831.  | 7.6 | 29        |
| 57 | Formation and ligand-based reductive chemistry of bridged bis-alkylidene scandium( $\mu_3$ ) complexes. <i>Chemical Science</i> , 2017, 8, 6852-6856.  | 3.7 | 29        |
| 58 | Cyclopentadiene-Phosphine/Palladium-Catalyzed Synthesis of Indolizines from Pyrrole and 1,4-Dibromo-1,3-butadienes. <i>Organic Letters</i> , 2015, 17, 5674-5677.  | 2.4 | 28        |
| 59 | Cyclopentadienyl-Like Ligand as a Reactive Site in Half-Sandwich Bis(amidinato) Rare-Earth-Metal Complexes: An Efficient Application in Catalytic Addition of Amines to Carbodiimides. <i>Organometallics</i> , 2014, 33, 2784-2789.   | 1.1 | 27        |
| 60 | Synthesis of Quinoline Derivatives via Cu-Catalyzed Cascade Annulation of Heterocumulenes, Alkynes, and Diaryliodonium Salts. <i>Organic Letters</i> , 2017, 19, 2694-2697.  | 2.4 | 27        |
| 61 | Insertion/Rearrangement Reactivity of a Lutetacyclopentadiene towards $\text{N}(\text{C}_6\text{H}_5)_2\text{C}=\text{N}(\text{C}_6\text{H}_5)_2$ : Cooperative Effect of the Metal Center, Concentration of LiCl, and Solvent. <i>Chemistry - A European Journal</i> , 2015, 21, 15860-15866.                             | 1.7 | 26        |
| 62 | 2-Butene Tetraanion Bridged Dinuclear Samarium(III) Complexes via Sm(II)-Mediated Reduction of Electron-Rich Olefins. <i>Journal of the American Chemical Society</i> , 2020, 142, 10705-10714.  | 6.6 | 25        |
| 63 | Lithium Aluminate Complexes and Aluoles from 1,4-Dilithio-1,3-Butadienes and $\text{AlEt}_2\text{Cl}$ . <i>Inorganic Chemistry</i> , 2015, 54, 10695-10700.  | 1.9 | 24        |
| 64 | Synthesis and reactivity of asymmetric Cr( $\mu_2$ ) dinitrogen complexes supported by cyclopentadienylphosphine ligands. <i>Chemical Communications</i> , 2019, 55, 9641-9644.  | 2.2 | 24        |
| 65 | Selective Coupling of Lanthanide Metallacyclopropenes and Nitriles via Azametallacyclopentadiene and $\text{I}^{\text{sup}2}$ -Pyrimidine Metallacycle. <i>Journal of the American Chemical Society</i> , 2021, 143, 9151-9161.  | 6.6 | 24        |
| 66 | Magnesiacyclopentadienes as Alkaline-Earth Metallacyclopentadienes: Facile Synthesis, Structural Characterization, and Synthetic Application. <i>Angewandte Chemie</i> , 2014, 126, 5740-5744.   | 1.6 | 23        |
| 67 | Recent Progress in Half-sandwich Rare-earth-catalyzed Organic Synthesis. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2009, 67, 451-464.   | 0.0 | 23        |
| 68 | Mechanistic Study on the Cleavage and Reorganization of $\text{C}(\text{sp}^3)\text{H}$ and $\text{C}\frac{3}{4}\text{N}$ Bonds in Carbodiimides: Synthesis of 1,2-Dihydrothiopyrimidines and 2,3-Dihydropyrimidinethiones through Four-Component Coupling. <i>Chemistry - A European Journal</i> , 2013, 19, 10643-10654. | 1.7 | 22        |
| 69 | Substituent-Controlled Selective Synthesis of N-Acyl 2-Aminothiazoles by Intramolecular Zwitterion-Mediated C–N Bond Cleavage. <i>Journal of Organic Chemistry</i> , 2014, 79, 11146-11154.  | 1.7 | 22        |
| 70 | Coordination-induced skeletal rearrangements of zirconacyclobutene–silacyclobutene fused complexes. <i>Coordination Chemistry Reviews</i> , 2014, 270-271, 2-13.   | 9.5 | 22        |
| 71 | Dinitrogen Activation of Cyclopentadienyl-Phosphine–Iron Complexes of Three Different Valences. <i>CCS Chemistry</i> , 2021, 3, 308-316.   | 4.6 | 22        |
| 72 | Sandwich Lutetacyclopentadiene with the Coordination of Lithium to the Diene Unit: Synthesis, Structure, and Transformation. <i>Organometallics</i> , 2016, 35, 5-8.   | 1.1 | 21        |

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|----|--|-----|-----------|
| 73 | Construction of Octaalkyl-Substituted and Decasubstituted <i>cis</i> -Octatetraenes via Linear Dimerization of 1,4-Dicopper-1,3-butadienes and Subsequent Cross-Coupling with Halides. <i>Organic Letters</i> , 2013, 15, 1222-1225.   | 2.4 | 20        |
| 74 | Mechanistic Insights into N≡N Bond Cleavage in Catalytic Guanylation Reactions between 1,2-Diarylhydrazines and Carbodiimides. <i>Journal of Organic Chemistry</i> , 2014, 79, 12004-12009.  | 1.7 | 20        |
| 75 | Isolation and Characterization of a Trinuclear Rare-Earth Metal Complex Containing a Bicyclo[3.1.0]P <sub>6</sub> <sup>4+</sup> Ligand. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 2338.  | 0.6 | 20        |
| 76 | Half-sandwich bis(propiolamidinate) rare-earth metal complexes: synthesis, structure and dissociation of the cyclopentadienyl ligand via competition with an amidinate. <i>Dalton Transactions</i> , 2013, 42, 16466.  | 1.6 | 19        |
| 77 | Synthesis and Structural Characterization of Butadienylcalcium-based Heavy Grignard Reagents and a Ca <sub>4</sub> [O] Inverse Crown Ether Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9188-9192.  | 7.2 | 19        |
| 78 | Diversified Aggregation States of Phospholyl Lithiums. <i>Organometallics</i> , 2018, 37, 2018-2022.   | 1.1 | 19        |
| 79 | Indacyclopentadienes and Aromatic Indacyclopentadienyl Dianions: Synthesis and Characterization. <i>Chemistry - A European Journal</i> , 2019, 25, 4218-4224.  | 1.7 | 19        |
| 80 | Phosphafluorenyl lithiums: direct synthesis from white phosphorus, structure and diversified synthons. <i>Science China Chemistry</i> , 2022, 65, 322-327.   | 4.2 | 18        |
| 81 | Formation of $\beta$ -Lithio Siloles from Silylated 1,4-Dithio-1,3-Butadienes: Mechanism and Applications. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1120-1128.   | 1.7 | 17        |
| 82 | Synthesis and Mechanistic Study of Cyclic Oxoguanidines via Zn(OTf) <sub>2</sub> -Catalyzed Guanylation/Amidation from Readily Available Amino Acid Esters and Carbodiimides. <i>Chemistry - A European Journal</i> , 2015, 21, 10369-10378.   | 1.7 | 17        |
| 83 | Rhodium-catalyzed intramolecular carbosilylation of alkynes <i>via</i> C(sp <sup>3</sup> )-Si bond cleavage. <i>Organic Chemistry Frontiers</i> , 2018, 5, 860-863.  | 2.3 | 17        |
| 84 | Butadienyl Diiron Complexes: Nonplanar Metalla-Aromatics Involving $\pi$ -Type Orbital Overlap. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19048-19053.  | 7.2 | 17        |
| 85 | Lewis Acid Catalyzed Site-Selective Cycloadditions of 2,6-Diazasemibullvalenes with Isocyanides, Azides, and Diazo Compounds for the Synthesis of Diaza- and Triazabrexadiene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3485-3489.   | 7.2 | 16        |
| 86 | Direct Synthesis of Phospholyl Lithium from White Phosphorus. <i>Angewandte Chemie</i> , 2016, 128, 9333-9336.   | 1.6 | 16        |
| 87 | Alkenyl Magnesium Compounds: Generation and Synthetic Application. <i>Chemistry - A European Journal</i> , 2018, 24, 19122-19135.  | 1.7 | 16        |
| 88 | Isolation and Characterization of Four Phosphorus Cluster Anions P <sub>7</sub> <sup>3-</sup> , P <sub>14</sub> <sup>4-</sup> , P <sub>16</sub> <sup>2-</sup> and P <sub>26</sub> <sup>4-</sup> from the Nucleophilic Functionalization of White Phosphorus with 1,4-Dithio-1,3-butadienes. <i>Chinese Journal of Chemistry</i> , 2019, 37, 71-75. | 2.6 | 16        |
| 89 | 1-Lithio-1,3-dienes as useful building blocks in organic synthesis. <i>Pure and Applied Chemistry</i> , 2009, 81, 235-246.   | 0.9 | 15        |
| 90 | One-Pot Synthesis and Unpredicted Hydrogen Bonds of the Guanidinium Triflates from Readily Available Amines, Carbodiimides, and Zn(OTf) <sub>2</sub> . <i>Organometallics</i> , 2011, 30, 5278-5283.   | 1.1 | 15        |



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|-----|---|-----|-----------|
| 91  | 1,3-Butadienylzinc Trimer Formed via Transmetalation from 1,4-Dithio-1,3-butadienes: Synthesis, Structural Characterization, and Application in Negishi Cross-Coupling. <i>Organometallics</i> , 2012, 31, 5546-5550.                           | 1.1 | 15        |
| 92  | Oxidation of C-H bonds to C=O bonds by O <sub>2</sub> only or N-oxides and DMSO: synthesis of 1-bipyrrolinones and pyrrolino[3,2-b]pyrrolinones from 2,6-diazasemibullvalenes. <i>Chemical Communications</i> , 2013, 49, 6146.                 | 2.2 | 14        |
| 93  | Synthesis, Structural Characterization, and Reactivity of a Fluorene-Based Calcium Oxy-cyclopentadienide Complex. <i>Organometallics</i> , 2015, 34, 1339-1344.   | 1.1 | 14        |
| 94  | Calcium-Mediated C-H and C-F Bond Cleavage: Synthesis of Indenes and Perfluorodibenzopentalenes from 1,4-Dithio-1,3-butadienes. <i>Organometallics</i> , 2016, 35, 1458-1463.   | 1.1 | 14        |
| 95  | Dual Functionalization of White Phosphorus: Formation, Characterization, and Reactivity of Rare-Earth-Metal Cyclo-P <sub>3</sub> Complexes. <i>Angewandte Chemie</i> , 2017, 129, 16102-16106.  | 1.6 | 14        |
| 96  | Fragmentation Mechanism of White Phosphorus: A Theoretical Insight into Multiple Cleavage/Formation of P-P and P-C Bonds. <i>Chemistry - A European Journal</i> , 2020, 26, 13282-13287.  | 1.7 | 13        |
| 97  | Direct functionalization of white phosphorus by organolithium reagents to organophosphorus compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2022, 197, 398-407.  | 0.8 | 13        |
| 98  | Reactivity of Seven-Membered Azazirconacycloallenes and Four-Membered Zirconacycles toward Diphenylacetonitrile. <i>Organometallics</i> , 2012, 31, 8370-8374.  | 1.1 | 12        |
| 99  | Organo-di-Lithio Reagents: Cooperative Effect and Synthetic Applications. <i>Topics in Organometallic Chemistry</i> , 2013, , 1-41.   | 0.7 | 12        |
| 100 | Synthesis of semibullvalene derivatives via Co <sub>2</sub> (CO) <sub>8</sub> -mediated cyclodimerization of 1,4-dithio-1,3-butadienes. <i>Organic Chemistry Frontiers</i> , 2014, 1, 130-134.  | 2.3 | 12        |
| 101 | Formation of Cyclopenta[ <i>c</i> ]pyridine Derivatives from 2,5-Disubstituted Pyrroles and 1,4-Dibromo-1,3-butadienes via Pyrrole-Ring One-Carbon Expansion. <i>Organic Letters</i> , 2017, 19, 138-141.                                       | 2.4 | 12        |
| 102 | Synthesis and characterization of manganese( <i>ii</i> ) complexes supported by cyclopentadienyl-phosphine ligands. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 428-433.  | 3.0 | 12        |
| 103 | Outlook of nitrogen fixation by carbene. <i>Tetrahedron</i> , 2020, 76, 131703.   | 1.0 | 12        |
| 104 | Dinitrogen Functionalization Affording Structurally Well-Defined Cobalt Diazenido Complexes. <i>CCS Chemistry</i> , 2022, 4, 532-539.   | 4.6 | 12        |
| 105 | Palladium-Catalyzed Intermolecular Domino Reaction of gem-Dibromoalkynes with Anilines; A One-Pot Synthesis of Quinolines and Quinolinones. <i>Synthesis</i> , 2012, 44, 2754-2762.   | 1.2 | 11        |
| 106 | Novel reactivities of 2,2-dichloroimidazolidine-4,5-diones: synthesis of copper(I) diamidocarbene complex, 2-thioxo/selenoxoimidazolidine-4,5-dione, and 2,2-difluoroimidazolidine-4,5-dione. <i>Tetrahedron Letters</i> , 2014, 55, 4597-4600. | 0.7 | 11        |
| 107 | Half-sandwich rare-earth metal tris(alkyl) ate complexes catalyzed phosphaguanylation reaction of phosphines with carbodiimides: an efficient synthesis of phosphaguanidines. <i>New Journal of Chemistry</i> , 2015, 39, 7649-7655.            | 1.4 | 11        |
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