

Jie Zhang

List of Publications by Year in descending order

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59
papers

1,933
citations

304368

22
h-index

253896

43
g-index

59
all docs

59
docs citations

59
times ranked

2163
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Platinum thiolate complexes supported by PBP and POCOP pincer ligands as efficient catalysts for the hydrosilylation of carbonyl compounds. Dalton Transactions, 2022, 51, 2304-2312. | 1.6 | 13 |
| 2 | Catalysts Based on the C-H...M Weak Interaction: Synthesis, Characterization and Catalytic Application of Bis(pyrazolyl)borate Cu(I) Complexes in Carbene Insertion into Heteroatom Hydrogen Bonds. ChemistrySelect, 2022, 7, . | 0.7 | 0 |
| 3 | Application of bis(phosphinite) pincer nickel complexes to the catalytic hydrosilylation of aldehydes. Inorganica Chimica Acta, 2021, 515, 120088. | 1.2 | 15 |
| 4 | Efficient Solvent-Free Hydrosilylation of Aldehydes and Ketones Catalyzed by Fe ₂ (CO) ₉ /C ₆ H ₄ -o-(NCH ₂ PPh ₂) ₂ BH. Catalysis Letters, 2021, 151, 3509. | 1.4 | 2 |
| 5 | Iodine-Substituted Lithium/Sodium <i>cis</i> -Decaborates: Syntheses, Characterization, and Solid-State Ionic Conductivity. ACS Applied Materials & Interfaces, 2021, 13, 17554-17564. | 4.0 | 26 |
| 6 | Synthesis, structure and property of boron-based metal-organic materials. Coordination Chemistry Reviews, 2021, 435, 213783. | 9.5 | 29 |
| 7 | The Stability of Diphosphino-Boryl PBP Pincer Backbone: PBP to POP Ligand Hydrolysis. Chemistry - an Asian Journal, 2021, 16, 2489-2494. | 1.7 | 11 |
| 8 | Computational study on the mechanism of hydroboration of CO ₂ catalysed by POCOP pincer nickel thiolate complexes: concerted catalysis and hydride transfer by a shuttle. Dalton Transactions, 2021, 50, 2903-2914. | 1.6 | 11 |
| 9 | Multinuclear transition metal-containing polyoxometalates constructed from Nb/W mixed-addendum precursors: synthesis, structures and catalytic performance. Dalton Transactions, 2021, 50, 8690-8695. | 1.6 | 4 |
| 10 | Few-Layered Metal-Organic Framework Nanosheets as Catalysts for the Synthesis of 2,3-Dihydroquinazolinone and Propargylamines. ACS Applied Nano Materials, 2021, 4, 12108-12118. | 2.4 | 3 |
| 11 | An Effective Osmium Precatalyst for Practical Synthesis of Diarylketones: Preparation, Reactivity, and Catalytic Application of [OsH(<i>cis</i> -(CO) ₂ -mer-[Ir ³]-P₂B(NCH ₂ PPh ₂) ₂)] ⁺ . Organometallics, 2021, 40, 3825-3832. | 1.1 | 5 |
| 12 | Which Type of Pincer Complex Is Thermodynamically More Stable? Understanding the Structures and Relative Bond Strengths of Group 10 Metal Complexes Supported by Benzene-Based PYCYP Pincer Ligands. Inorganic Chemistry, 2021, 60, 18924-18937. | 1.9 | 10 |
| 13 | Syntheses of Bromo-N-heterocycles through Dibromohydantoin-Promoted Tandem C-H Amination/Bromination. Journal of Organic Chemistry, 2020, 85, 2918-2926. | 1.7 | 17 |
| 14 | 2D Hybrid Architectures Constructed from Two Kinds of Polyoxovanadates as Efficient Heterogeneous Catalysts for Cyanosilylation and Knoevenagel Condensation. Inorganic Chemistry, 2020, 59, 10578-10590. | 1.9 | 36 |
| 15 | Tuning Oxidation Degrees of Low-Crystallinity Porous Ni-Co-B/O/C Nanocomposites for High-Performance Hybrid Supercapacitors. Energy & Fuels, 2020, 34, 16893-16902. | 2.5 | 6 |
| 16 | Synthesis of Phenanthridines through Iodine-Supported Intramolecular C-H Amination and Oxidation under Visible Light. Journal of Organic Chemistry, 2020, 85, 12187-12198. | 1.7 | 17 |
| 17 | A Structure Comparison of Ni(II) Complexes Supported by PNCNP and POCOP Pincer Ligands. ChemistrySelect, 2020, 5, 5205-5209. | 0.7 | 3 |
| 18 | Organobor-Funktionalisierung ermöglicht die hierarchische Aggregation gigantischer Polyoxometall-Nanokapseln. Angewandte Chemie, 2020, 132, 8615-8618. | 1.6 | 6 |

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|----|--|-----|-----------|
| 19 | Organoboronâ€Functionalization Enables the Hierarchical Assembly of Giant Polyoxometalate Nanocapsules. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8537-8540. | 7.2 | 37 |
| 20 | Hydrosilylation of Aldehydes and Ketones Catalysed by Bis(phosphinite) Pincer Platinum Hydride Complexes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2709-2715. | 2.1 | 22 |
| 21 | Bâ€N Cleavage in (9â€BN)bis(pyrazolyl)borate Ni^{II} Complexes. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3724-3730. | 1.0 | 3 |
| 22 | Synthesis and characterization of bis(pyrazolyl)borate Ni(ⁱⁱ) complexes: ligand rearrangement and transformation. <i>Dalton Transactions</i> , 2019, 48, 13242-13247. | 1.6 | 2 |
| 23 | A Giant Mo/Ta/W Ternary Mixed-Addenda Polyoxometalate with Efficient Photocatalytic Activity for Primary Amine Coupling. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43287-43293. | 4.0 | 42 |
| 24 | The stability of group 10 metal POCOP pincer complexes: decomposition/reconstruction pathways of the pincer backbone. <i>Dalton Transactions</i> , 2019, 48, 13760-13768. | 1.6 | 14 |
| 25 | Reactions of POCOP pincer palladium benzylthiolate complexes with BH ₃ ·THF: Isolation and characterization of unstable POCOP-Pd(Î-1-HBH ₃) complexes. <i>Journal of Organometallic Chemistry</i> , 2019, 882, 50-57. | 0.8 | 15 |
| 26 | Syntheses and Structures of Group 10 Metal POCOP Pincer Complexes Bearing A Mercaptoâ€carborane Auxiliary Ligand. <i>ChemistrySelect</i> , 2019, 4, 1292-1297. | 0.7 | 6 |
| 27 | The interconversion between THF·B₃H₇ and B₃H₈â€: an efficient synthetic method for MB₃H₈ (M = Li and Na). <i>Dalton Transactions</i> , 2019, 48, 5140-5143. | 1.6 | 15 |
| 28 | Boronic acid derivatized lanthanideâ€polyoxometalates with novel Bâ€OHâ€Ln and Bâ€Oâ€Nb bridges. <i>Chemical Communications</i> , 2019, 55, 2525-2528. | 2.2 | 12 |
| 29 | Controllable syntheses of B/N anionic aminoborane chain complexes by the reaction of NH₃BH₃ with NaH and the mechanistic study. <i>Dalton Transactions</i> , 2019, 48, 14984-14988. | 1.6 | 17 |
| 30 | Mechanisms of the Reactions of Bâ€Substituted Amine Boranes with THF·BH₃. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4994-4999. | 1.0 | 0 |
| 31 | Palladium(ii) complexes supported by PBP and POCOP pincer ligands: a comparison of their structure, properties and catalytic activity. <i>Dalton Transactions</i> , 2019, 48, 17633-17643. | 1.6 | 20 |
| 32 | One-Pot Synthesis of Iodo-Dibenzothiazines from 2-Biaryl Sulfides. <i>Journal of Organic Chemistry</i> , 2019, 84, 450-457. | 1.7 | 15 |
| 33 | Theoretical Exploration of the Layered Sandwich Cobaltacarborane as a Multi-State NLO Molecular Switch Triggered by Redox. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6818-6825. | 1.5 | 15 |
| 34 | A reaction of [2,6-(tBu ₂ PO) ₂ C ₆ H ₃]NiSCH ₂ Ph with BH ₃ ·THF: borane mediated Câ€S bond cleavage. <i>Dalton Transactions</i> , 2018, 47, 6018-6024. | 1.6 | 19 |
| 35 | O-Vacancy-enriched NiO hexagonal platelets fabricated on Ni foam as a self-supported electrode for extraordinary pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7099-7106. | 5.2 | 61 |
| 36 | Application of POCOP Pincer Nickel Complexes to the Catalytic Hydroboration of Carbon Dioxide. <i>Catalysts</i> , 2018, 8, 508. | 1.6 | 22 |

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|----|--|-----|-----------|
| 37 | Synthesis of dibenzothiazines from sulfides by one-pot <i>N</i> , <i>O</i> -transfer and intramolecular C-H amination. <i>Green Chemistry</i> , 2018, 20, 2953-2958. | 4.6 | 31 |
| 38 | Controllable Synthesis and Catalytic Performance of Nanocrystals of Rare-Earth-Polyoxometalates. <i>Inorganic Chemistry</i> , 2018, 57, 6624-6631. | 1.9 | 29 |
| 39 | Elucidation of the Formation Mechanisms of the Octahydrotriborate Anion ($B_3H_8^{3-}$) through the Nucleophilicity of the B-H Bond. <i>Journal of the American Chemical Society</i> , 2018, 140, 6718-6726. | 6.6 | 68 |
| 40 | The Reactivity of Mercapto Groups against Boron Hydrides in Pincer Ligated Nickel Mercapto Complexes. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3231-3238. | 1.7 | 18 |
| 41 | Lanthanide derivatives of Ta/W mixed-addendum POMs as proton-conducting materials. <i>Dalton Transactions</i> , 2017, 46, 4157-4160. | 1.6 | 27 |
| 42 | Hydroboration of CO_2 catalyzed by bis(phosphinite) pincer ligated nickel thiolate complexes. <i>Dalton Transactions</i> , 2017, 46, 4504-4509. | 1.6 | 53 |
| 43 | Brønsted and Lewis Base Behavior of Sodium Amidotrihydridoborate ($NaNH_2BH_3$). <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4541-4545. | 1.0 | 20 |
| 44 | Using CS_2 to Probe the Mechanistic Details of Decarboxylation of Bis(phosphinite)-Ligated Nickel Pincer Formate Complexes. <i>Organometallics</i> , 2016, 35, 4077-4082. | 1.1 | 28 |
| 45 | Catalyst design based on agostic interactions: synthesis, characterization, and catalytic activity of bis(pyrazolyl)borate copper complexes. <i>Dalton Transactions</i> , 2016, 45, 10194-10199. | 1.6 | 19 |
| 46 | A Ta/W mixed addenda heteropolyacid with excellent acid catalytic activity and proton-conducting property. <i>Journal of Solid State Chemistry</i> , 2016, 243, 1-7. | 1.4 | 9 |
| 47 | Highly efficient reduction of carbon dioxide with a borane catalyzed by bis(phosphinite) pincer ligated palladium thiolate complexes. <i>Chemical Communications</i> , 2016, 52, 14262-14265. | 2.2 | 54 |
| 48 | Metathesis reactivity of bis(phosphinite) pincer ligated nickel chloride, isothiocyanate and azide complexes. <i>Journal of Organometallic Chemistry</i> , 2016, 804, 132-141. | 0.8 | 23 |
| 49 | Formation Mechanisms, Structure, Solution Behavior, and Reactivity of Aminodiborane. <i>Journal of the American Chemical Society</i> , 2015, 137, 12406-12414. | 6.6 | 42 |
| 50 | Mediator Enhanced Water Oxidation Using $Rb_4[Ru^{II}(bpy)_3]_5\{[Ru^{III}]_4O_4(OH)_2\}_2$ Film Modified Electrodes. <i>Inorganic Chemistry</i> , 2014, 53, 7561-7570. | 6.6 | 25 |
| 51 | Kinetic and Mechanistic Studies of Carbon-to-Metal Hydrogen Atom Transfer Involving Os-Centered Radicals: Evidence for Tunneling. <i>Journal of the American Chemical Society</i> , 2014, 136, 3572-3578. | 6.6 | 25 |
| 52 | Pincer-Ligated Nickel Hydridoborate Complexes: the Dormant Species in Catalytic Reduction of Carbon Dioxide with Boranes. <i>Inorganic Chemistry</i> , 2013, 52, 37-47. | 1.9 | 129 |
| 53 | Substituent effects on C-S bond dissociation energies and kinetic stability of nickel arylthiolate complexes supported by a bis(phosphinite)-based pincer ligand. <i>Dalton Transactions</i> , 2012, 41, 7959. | 1.6 | 38 |
| 54 | Mechanistic Insights into C-S Cross-Coupling Reactions Catalyzed by Nickel Bis(phosphinite) Pincer Complexes. <i>Organometallics</i> , 2010, 29, 6393-6401. | 1.1 | 132 |

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|----|--|-----|-----------|
| 55 | An Efficient Nickel Catalyst for the Reduction of Carbon Dioxide with a Borane. Journal of the American Chemical Society, 2010, 132, 8872-8873. | 6.6 | 385 |
| 56 | Photogeneration of Hydrogen from Water Using an Integrated System Based on TiO ₂ and Platinum(II) Diimine Dithiolate Sensitizers. Journal of the American Chemical Society, 2007, 129, 7726-7727. | 6.6 | 176 |
| 57 | Efficient Synthesis of the Os ^{II} -Os Dimers [Cp(CO) ₂ Os] ₂ , [Cp*(CO) ₂ Os] ₂ , and [(iPr ₄ C ₅ H)(CO) ₂ Os] ₂ and Computational Studies on the Relative Stabilities of Their Geometrical Isomers. Organometallics, 2006, 25, 2209-2215. | 1.1 | 14 |
| 58 | Carbon-to-Metal Hydrogen Atom Transfer: A Direct Observation Using Time-Resolved Infrared Spectroscopy. Journal of the American Chemical Society, 2005, 127, 15684-15685. | 6.6 | 33 |
| 59 | Coordination mode and stability of the tetrahydroborate ligand in group 10 metal pincer complexes. Dalton Transactions, 0, , . | 1.6 | 3 |