

Shiyu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

501
citations

759233

12
h-index

677142

22
g-index

30
all docs

30
docs citations

30
times ranked

784
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | C(sp ³)â€“H Fluorination with a Copper(II)/(III) Redox Couple. <i>Journal of the American Chemical Society</i> , 2020, 142, 8514-8521. | 13.7 | 60 |
| 2 | Cobalt and Vanadium Trimetaphosphate Polyanions: Synthesis, Characterization, and Electrochemical Evaluation for Non-aqueous Redox-Flow Battery Applications. <i>Journal of the American Chemical Society</i> , 2018, 140, 538-541. | 13.7 | 59 |
| 3 | A motif for reversible nitric oxide interactions in metalloenzymes. <i>Nature Chemistry</i> , 2016, 8, 663-669. | 13.6 | 46 |
| 4 | Synergistic Effect of Hydrogen Bonding and π - π Stacking Enables Long Cycle Life in Organic Electrode Materials. <i>ACS Energy Letters</i> , 2021, 6, 643-649. | 17.4 | 42 |
| 5 | A Dinitrogen Dicopper(I) Complex via a Mixedâ€“Valence Dicopper Hydride. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9927-9931. | 13.8 | 38 |
| 6 | Copper(I) Nitrosyls from Reaction of Copper(II) Thiolates with <i>S</i> -Nitrosothiols: Mechanism of NO Release from RSNOs at Cu. <i>Journal of the American Chemical Society</i> , 2013, 135, 16746-16749. | 13.7 | 33 |
| 7 | A Copper(II) Thiolate from Reductive Cleavage of an <i>S</i> -Nitrosothiol. <i>Inorganic Chemistry</i> , 2012, 51, 8658-8660. | 4.0 | 30 |
| 8 | On the incompatibility of lithiumâ€“O ₂ battery technology with CO ₂ . <i>Chemical Science</i> , 2017, 8, 6117-6122. | 7.4 | 30 |
| 9 | Insights into Electrochemical Oxidation of NaO ₂ in Naâ€“O ₂ Batteries via Rotating Ring Disk and Spectroscopic Measurements. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4374-4381. | 8.0 | 26 |
| 10 | Dicopper $\frac{1}{4}$ -Oxo, $\frac{1}{4}$ -Nitrosyl Complex from the Activation of NO or Nitrite at a Dicopper Center. <i>Journal of the American Chemical Society</i> , 2019, 141, 10159-10164. | 13.7 | 21 |
| 11 | Fourâ€“Coordinate Copper Halonitrosyl {CuNO} ¹⁰ Complexes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10225-10229. | 13.8 | 21 |
| 12 | Bisthiazolyl Quinones: Stabilizing Organic Electrode Materials with Sulfur-Rich Thiazyl Motifs. <i>Chemistry of Materials</i> , 2020, 32, 255-261. | 6.7 | 21 |
| 13 | Three coordinate models for the binuclear Cu ₂ electron-transfer site. <i>Chemical Science</i> , 2013, 4, 1786. | 7.4 | 11 |
| 14 | Direct NO Reduction by a Biomimetic Iron(II) Pyrazolate MOF. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21221-21225. | 13.8 | 11 |
| 15 | A Dinitrogen Dicopper(I) Complex via a Mixedâ€“Valence Dicopper Hydride. <i>Angewandte Chemie</i> , 2016, 128, 10081-10085. | 2.0 | 10 |
| 16 | Redox-active zinc thiolates for low-cost aqueous rechargeable Zn-ion batteries. <i>Chemical Science</i> , 2021, 12, 15253-15262. | 7.4 | 10 |
| 17 | Redoxâ€“Neutral Sâ€“nitrosation Mediated by a Dicopper Center. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15980-15987. | 13.8 | 7 |
| 18 | Fourâ€“Coordinate Copper Halonitrosyl {CuNO} 10 Complexes. <i>Angewandte Chemie</i> , 2019, 131, 10331-10335. | 2.0 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Iron(II/III) Halide Complexes Promote the Interconversion of Nitric Oxide and <i>S</i> -Nitrosothiols through Reversible Fe-S Interaction. <i>Inorganic Chemistry</i> , 2021, 60, 5190-5197. | 4.0 | 5 |
| 20 | Controlling the Direction of <i>S</i> -Nitrosation versus Denitrosation: Reversible Cleavage and Formation of an S-N Bond within a Dicopper Center. <i>Journal of the American Chemical Society</i> , 2022, 144, 2867-2872. | 13.7 | 5 |
| 21 | Encapsulation of tricopper cluster in a synthetic cryptand enables facile redox processes from CuI ₃ CuI to CuII ₂ CuI states. <i>Chemical Science</i> , 2021, 12, 2986-2992. | 7.4 | 3 |
| 22 | Multiple Proton-Coupled Electron Transfers at a Tricopper Cluster: Modeling the Reductive Regeneration Process in Multicopper Oxidases. <i>Journal of the American Chemical Society</i> , 2022, 144, 1709-1717. | 13.7 | 3 |
| 23 | Lithium superoxide encapsulated in a benzoquinone anion matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 1 |
| 24 | Redox-Neutral S-Nitrosation Mediated by a Dicopper Center. <i>Angewandte Chemie</i> , 2021, 133, 16116-16123. | 2.0 | 0 |