

Shiyu Zhang

List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Encapsulation of tricopper cluster in a synthetic cryptand enables facile redox processes from Cu ₃ to Cu ₁ states. <i>Chemical Science</i> , 2021, 12, 2986-2992.	7.4	3
5	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
6	Redox-Neutral S-Nitrosation Mediated by a Dicopper Center. <i>Angewandte Chemie</i> , 2021, 133, 16116-16123.	2.0	0
7	Redox-Neutral S-Nitrosation Mediated by a Dicopper Center. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15980-15987.	13.8	7
8	Direct NO Reduction by a Biomimetic Iron(II) Pyrazolate MOF. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21221-21225.	13.8	11
9	Redox-active zinc thiolates for low-cost aqueous rechargeable Zn-ion batteries. <i>Chemical Science</i> , 2021, 12, 15253-15262.	7.4	10
10	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
11	Bisthiazolyl Quinones: Stabilizing Organic Electrode Materials with Sulfur-Rich Thiazyl Motifs. <i>Chemistry of Materials</i> , 2020, 32, 255-261.	6.7	21
12	C(sp ³)-H Fluorination with a Copper(II)/(III) Redox Couple. <i>Journal of the American Chemical Society</i> , 2020, 142, 8514-8521.	13.7	60
13	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
14	Four-Coordinate Copper Halonitrosyl {CuNO} ₁₀ Complexes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10225-10229.	13.8	21
15	Four-Coordinate Copper Halonitrosyl {CuNO} ₁₀ Complexes. <i>Angewandte Chemie</i> , 2019, 131, 10331-10335.	2.0	6
16	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
17	On the incompatibility of lithium-O ₂ battery technology with CO ₂ . <i>Chemical Science</i> , 2017, 8, 6117-6122.	7.4	30
18	Insights into Electrochemical Oxidation of NaO ₂ in Na-O ₂ Batteries via Rotating Ring Disk and Spectroscopic Measurements. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4374-4381.	8.0	26

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19	A motif for reversible nitric oxide interactions in metalloenzymes. <i>Nature Chemistry</i> , 2016, 8, 663-669.	13.6	46
20	A Dinitrogen Dicopper(I) Complex via a Mixed-Valence Dicopper Hydride. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9927-9931.	13.8	38
21	A Dinitrogen Dicopper(I) Complex via a Mixed-Valence Dicopper Hydride. <i>Angewandte Chemie</i> , 2016, 128, 10081-10085.	2.0	10
22	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
23	Three coordinate models for the binuclear CuA electron-transfer site. <i>Chemical Science</i> , 2013, 4, 1786.	7.4	11
24	A Copper(II) Thiolate from Reductive Cleavage of an <i>S</i> -Nitrosothiol. <i>Inorganic Chemistry</i> , 2012, 51, 8658-8660.	4.0	30