

Micah S Ziegler

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Siloxyaluminate and Siloxygallate Complexes as Models for Framework and Partially Hydrolyzed Framework Sites in Zeolites and Zeotypes. <i>Chemistry - A European Journal</i> , 2021, 27, 307-315.	3.3	2
2	A Dicopper Nitrenoid by Oxidation of a CuCu Core: Synthesis, Electronic Structure, and Reactivity. <i>Journal of the American Chemical Society</i> , 2021, 143, 7135-7143.	13.7	5
3	Unsymmetrical Naphthyridine-Based Dicopper(I) Complexes: Synthesis, Stability, and Carbon-Hydrogen Bond Activations. <i>Organometallics</i> , 2021, 40, 1866-1873.	2.3	3
4	Evaluating and improving technologies for energy storage and backup power. <i>Joule</i> , 2021, 5, 1925-1927.	24.0	12
5	Re-examining rates of lithium-ion battery technology improvement and cost decline. <i>Energy and Environmental Science</i> , 2021, 14, 1635-1651.	30.8	211
6	Determinants of lithium-ion battery technology cost decline. <i>Energy and Environmental Science</i> , 2021, 14, 6074-6098.	30.8	46
7	Isomerism and dynamic behavior of bridging phosphalkynes bound to a dicopper complex. <i>Chemical Science</i> , 2020, 11, 1607-1616.	7.4	11
8	Low-valent iron and cobalt complexes supported by a rigid xanthene-based disilylamido ligand. <i>Polyhedron</i> , 2020, 180, 114420.	2.2	1
9	Bimetallics in a Nutshell: Complexes Supported by Chelating Naphthyridine-Based Ligands. <i>Accounts of Chemical Research</i> , 2020, 53, 1944-1956.	15.6	40
10	A Dicopper Platform that Stabilizes the Formation of Pentanuclear Coinage Metal Hydride Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12769-12773.	13.8	15
11	A Dicopper Platform that Stabilizes the Formation of Pentanuclear Coinage Metal Hydride Complexes. <i>Angewandte Chemie</i> , 2020, 132, 12869-12873.	2.0	2
12	Linear, mixed-valent homocatenated tri-tin complexes featuring Sn-Sn bonds. <i>Chemical Communications</i> , 2020, 56, 6786-6789.	4.1	7
13	Storage Requirements and Costs of Shaping Renewable Energy Toward Grid Decarbonization. <i>Joule</i> , 2019, 3, 2134-2153.	24.0	251
14	Stabilization of reactive Co ₄ O ₄ cubane oxygen-evolution catalysts within porous frameworks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11630-11639.	7.1	41
15	Monomeric, Divalent Vanadium Bis(arylamido) Complexes: Linkage Isomerism and Reactivity. <i>Organometallics</i> , 2019, 38, 1648-1663.	2.3	20
16	Synthesis, structures, and reactivity studies of cyclometalated N-heterocyclic carbene complexes of ruthenium. <i>Dalton Transactions</i> , 2018, 47, 12138-12146.	3.3	11
17	Dicopper Alkyl Complexes: Synthesis, Structure, and Unexpected Persistence. <i>Organometallics</i> , 2018, 37, 2807-2823.	2.3	19
18	Zirconacyclopentadiene-Annulated Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie</i> , 2017, 129, 4917-4922.	2.0	9

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19	Dicopper Cu(I)Cu(I) and Cu(I)Cu(II) Complexes in Copper-Catalyzed Azide-Alkyne Cycloaddition. <i>Journal of the American Chemical Society</i> , 2017, 139, 5378-5386.	13.7	108
20	Titanium Imido Complexes by Displacement of SiMe_3 and C-H Bond Activation in a Ti^{III} Amido Complex, Promoted by a Cyclic (Alkyl)(Amino) Carbene (cAAC). <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2484-2487.	2.0	5
21	Zirconacyclopentadiene-Annulated Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4839-4844.	13.8	31
22	Synthetic control and empirical prediction of redox potentials for $\text{Co}^{\text{IV}}\text{O}^{\text{IV}}$ cubanes over a 1.4 V range: implications for catalyst design and evaluation of high-valent intermediates in water oxidation. <i>Chemical Science</i> , 2017, 8, 4274-4284.	7.4	50
23	Manganese-Cobalt Oxido Cubanes Relevant to Manganese-Doped Water Oxidation Catalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 5579-5587.	13.7	47
24	Functionalization of an iridium-diamidocarbene complex by ligand-based reactions with titanocene and zirconocene sources. <i>Polyhedron</i> , 2016, 116, 111-115.	2.2	9
25	Lewis acid-base interactions between platinum(II) diaryl complexes and bis(perfluorophenyl)zinc: strongly accelerated reductive elimination induced by a Z-type ligand. <i>Chemical Communications</i> , 2016, 52, 7039-7042.	4.1	28
26	Aryl Group Transfer from Tetraarylborato Anions to an Electrophilic Dicopper(I) Center and Mixed-Valence $1/4$ -Aryl Dicopper(I,II) Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 6484-6491.	13.7	54
27	Tricoordinate Organochromium(III) Complexes Supported by a Bulky Silylamido Ligand Produce Ultra-High-Molecular Weight Polyethylene in the Absence of Activators. <i>Helvetica Chimica Acta</i> , 2016, 99, 859-867.	1.6	16
28	The Ruthenostannylene Complex $[\text{Cp}^*(\text{IXy})\text{H}_2\text{Ru}^{\text{IV}}\text{Sn}^{\text{IV}}\text{Trip}]$: Providing Access to Unusual Ru-Sn Bonded Stanna-imine, Stannene, and Ketenylstannyl Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6622-6626.	13.8	16
29	Mechanistic Investigations of Water Oxidation by a Molecular Cobalt Oxide Analogue: Evidence for a Highly Oxidized Intermediate and Exclusive Terminal Oxo Participation. <i>Journal of the American Chemical Society</i> , 2015, 137, 12865-12872.	13.7	124
30	Ring-opening and double-metallation reactions of the N-Heterocyclic carbene ligand in $\text{Cp}^*(\text{IXy})\text{Ru}(\text{IXy})\text{Tj}$ complex of ruthenium. <i>Polyhedron</i> , 2014, 84, 203-208.	2.2	17
31	A molecular structural analog of proposed dinuclear active sites in cobalt-based water oxidation catalysts. <i>Chemical Communications</i> , 2014, 50, 6326.	4.1	43
32	Multifactorial Regulation of E-Cadherin Expression: An Integrative Study. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1-16.	4.1	49
33	Detailed DNA methylation profiles of the E-cadherin promoter in the NCI-60 cancer cells. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 391-403.	4.1	48