

Congqing Zhu

List of Publications by Year in descending order

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53
papers

2,086
citations

218592

26
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233338

45
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59
all docs

59
docs citations

59
times ranked

934
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of anti-aromatic and strained five-membered rings with a transition metal. <i>Nature Chemistry</i> , 2013, 5, 698-703.	6.6	244
2	Planar Möbius aromatic pentalenes incorporating 16 and 18 valence electron osmiums. <i>Nature Communications</i> , 2014, 5, 3265.	5.8	169
3	Carbonyl Chemistry: A Story of Carbon Chain Ligands and Transition Metals. <i>Accounts of Chemical Research</i> , 2018, 51, 1691-1700.	7.6	132
4	Anti-Aromaticity in an Unsaturated Ring: Osmapentalene Derivatives Containing a Metallacyclopropene Unit. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3102-3106.	7.2	119
5	Stabilizing Two Classical Antiaromatic Frameworks: Demonstration of Photoacoustic Imaging and the Photothermal Effect in Metallaromatics. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6181-6185.	7.2	99
6	A Metal-Bridged Tricyclic Aromatic System: Synthesis of Osmium Polycyclic Aromatic Complexes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6232-6236.	7.2	77
7	CCCCC pentadentate chelates with planar Möbius aromaticity and unique properties. <i>Science Advances</i> , 2016, 2, e1601031.	4.7	74
8	Five-Membered Cyclic Metal Carbyne: Synthesis of Osmapentalynes by the Reactions of Osmapentalene with Allene, Alkyne, and Alkene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7189-7192.	7.2	66
9	Transition-metal-bridged bimetallic clusters with multiple uranium-metal bonds. <i>Nature Chemistry</i> , 2019, 11, 248-253.	6.6	66
10	Dinitrogen Cleavage by a Heterometallic Cluster Featuring Multiple Uranium-Rhodium Bonds. <i>Journal of the American Chemical Society</i> , 2020, 142, 15004-15011.	6.6	64
11	Double dative bond between divalent carbon(0) and uranium. <i>Nature Communications</i> , 2018, 9, 4997.	5.8	63
12	Synthesis, Characterization, and Electrochemical Properties of Bisosmabenzene Bridged by Diisocyanides. <i>Organometallics</i> , 2010, 29, 2916-2925.	1.1	46
13	Halogenation of carbyne complexes: isolation of unsaturated metallaiodirenium ion and metallabromirenium ion. <i>Chemical Science</i> , 2016, 7, 1815-1818.	3.7	45
14	Synthesis and Characterization of a Metallacyclic Framework with Three Fused Five-Membered Rings. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9067-9071.	7.2	45
15	Anti-Aromaticity in an Unsaturated Ring: Osmapentalene Derivatives Containing a Metallacyclopropene Unit. <i>Angewandte Chemie</i> , 2015, 127, 3145-3149.	1.6	44
16	Metalla-aromatic loaded magnetic nanoparticles for MRI/photoacoustic imaging-guided cancer phototherapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2528-2535.	2.9	42
17	Facile Dinitrogen and Dioxygen Cleavage by a Uranium(III) Complex: Cooperativity Between the Non-Innocent Ligand and the Uranium Center. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 473-479.	7.2	42
18	Theoretical Study on the Stability and Aromaticity of Metallasilapentalynes. <i>Organometallics</i> , 2014, 33, 1845-1850.	1.1	39

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19	Metallapentalenofurans and Lactone-Fused Metallapentalynes. <i>Chemistry - A European Journal</i> , 2017, 23, 6426-6431.	1.7	39
20	Photo-excitable hybrid nanocomposites for image-guided photo/TRAIL synergistic cancer therapy. <i>Biomaterials</i> , 2018, 176, 60-70.	5.7	37
21	Isolation of an Eleven-Atom Polydentate Carbon-Chain Chelate Obtained by Cycloaddition of a Cyclic Osmium Carbyne with an Alkyne. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3154-3157.	7.2	36
22	Rational Design and Synthesis of Unsaturated Se-Containing Osmacycles with π -Aromaticity. <i>Chemistry - A European Journal</i> , 2018, 24, 2389-2395.	1.7	35
23	Identification of a uranium-rhodium triple bond in a heterometallic cluster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17654-17658.	3.3	35
24	Double Stabilization of Highly Strained Six-Membered Rings by Phosponium and Transition Metal. <i>Chinese Journal of Organic Chemistry</i> , 2013, 33, 657.	0.6	28
25	Construction of heterometallic clusters with multiple uranium-metal bonds by using dianionic nitrogen-phosphorus ligands. <i>Chemical Science</i> , 2020, 11, 7585-7592.	3.7	27
26	Heterometallic Clusters with Uranium-Metal Bonds Supported by Double-Layer Nitrogen-Phosphorus Ligands. <i>Accounts of Chemical Research</i> , 2022, 55, 1718-1730.	7.6	23
27	Recent progress in the chemistry of lanthanide-ligand multiple bonds. <i>Tetrahedron Letters</i> , 2018, 59, 514-520.	0.7	22
28	Heterometallic Clusters with Multiple Rare Earth Metal-Transition Metal Bonding. <i>Journal of the American Chemical Society</i> , 2021, 143, 5998-6005.	6.6	21
29	Uranium(III)-Phosphorus(III) Synergistic Activation of White Phosphorus and Arsenic. <i>CCS Chemistry</i> , 2022, 4, 2630-2638.	4.6	21
30	Cerium-carbon dative interactions supported by carbodiphosphorane. <i>Dalton Transactions</i> , 2019, 48, 16108-16114.	1.6	20
31	Five-Membered Cyclic Metal Carbyne: Synthesis of Osmapentalynes by the Reactions of Osmapentalene with Allene, Alkyne, and Alkene. <i>Angewandte Chemie</i> , 2015, 127, 7295-7298.	1.6	19
32	Successive modification of polydentate complexes gives access to planar carbon- and nitrogen-based ligands. <i>Nature Communications</i> , 2019, 10, 1488.	5.8	17
33	Synthesis and Characterization of Osmium Polycyclic Aromatic Complexes via Nucleophilic Reactions of Osmapentalyne. <i>Chinese Journal of Chemistry</i> , 2017, 35, 628-634.	2.6	16
34	Photochemical Synthesis of Transition Metal-Stabilized Uranium(VI) Nitride Complexes. <i>Nature Communications</i> , 2022, 13, .	5.8	16
35	Selective hydroboration of terminal alkynes catalyzed by heterometallic clusters with uranium-metal triple bonds. <i>CheM</i> , 2022, 8, 1361-1375.	5.8	15
36	Isolation of heterometallic cerium(iii) complexes with a multidentate nitrogen-phosphorus ligand. <i>Dalton Transactions</i> , 2020, 49, 603-607.	1.6	14

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37	Synthesis and Characterization of a Metallacyclic Framework with Three Fused Five-membered Rings. <i>Angewandte Chemie</i> , 2017, 129, 9195-9199.	1.6	13
38	Isolation of an Eleven-Atom Polydentate Carbon-Chain Chelate Obtained by Cycloaddition of a Cyclic Osmium Carbyne with an Alkyne. <i>Angewandte Chemie</i> , 2018, 130, 3208-3211.	1.6	11
39	Triple Frustrated Lewis Pair-Type Reactivity on a Single Rare-Earth Metal Center. <i>Chemistry - A European Journal</i> , 2020, 26, 5354-5359.	1.7	11
40	A Uranium(IV) Alkyl Complex: Synthesis and Catalytic Property in Carbonyl Hydroboration. <i>Chinese Journal of Chemistry</i> , 2022, 40, 2047-2053.	2.6	11
41	[3+2] cycloaddition reaction of metallacyclopropene with nitrosonium ion: isolation of aromatic metallaisoxazole. <i>Chemical Communications</i> , 2020, 56, 6806-6809.	2.2	9
42	An Unprecedented Ga/P Frustrated Lewis Pair: Synthesis, Characterization, and Reactivity. <i>Chemistry - A European Journal</i> , 2019, 25, 14295-14299.	1.7	8
43	Synthesis and characterization of metallapentalenoxazetes by the [2+2] cycloaddition of metallapentalynes with nitrosoarenes. <i>Chemical Communications</i> , 2019, 55, 6237-6240.	2.2	8
44	Synthesis, Characterization, and Reactivity of a Pincer-Type Aluminum(III) Complex. <i>Organometallics</i> , 2020, 39, 2732-2738.	1.1	7
45	Chemoselectivity for B=O and B-H Bond Cleavage by Pincer-Type Phosphorus Compounds: Theoretical and Experimental Studies. <i>Inorganic Chemistry</i> , 2020, 59, 15636-15645.	1.9	6
46	Carbon-halogen bond activation by a structurally constrained phosphorus(III) platform. <i>Chinese Chemical Letters</i> , 2021, 32, 1432-1436.	4.8	5
47	Facile Dinitrogen and Dioxygen Cleavage by a Uranium(III) Complex: Cooperativity Between the Non-Innocent Ligand and the Uranium Center. <i>Angewandte Chemie</i> , 2021, 133, 477-483.	1.6	5
48	HRMS studies on the fragmentation pathways of metallapentalyne. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 906-910.	2.0	3
49	Synthesis, characterization and reactivity of a neutral antimony(III) complex. <i>Chinese Chemical Letters</i> , 2021, 32, 717-720.	4.8	3
50	Titelbild: Stabilizing Two Classical Antiaromatic Frameworks: Demonstration of Photoacoustic Imaging and the Photothermal Effect in Metalla-aromatics (<i>Angew. Chem.</i> 21/2015). <i>Angewandte Chemie</i> , 2015, 127, 6167-6167.	1.6	2
51	Rational Design and Synthesis of Unsaturated Se-Containing Osmacycles with η^5 -Aromaticity. <i>Chemistry - A European Journal</i> , 2018, 24, 2296-2296.	1.7	2
52	Redox-induced reversible P=P coupling in a uranium complex. <i>Chemical Communications</i> , 2021, 57, 12175-12178.	2.2	1
53	Heterometallic Molecular Clusters Featuring Triple Bonds Between Uranium and Transition Metals. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0