

Chao Liu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mimicking efferent nerves using a graphdiyne-based artificial synapse with multiple ion diffusion dynamics. <i>Nature Communications</i> , 2021, 12, 1068.	5.8	115
2	A cluster-based mesoporous Ti-MOF with sodalite supercages. <i>Chemical Communications</i> , 2017, 53, 11670-11673.	2.2	74
3	Aromaticity and Antiaromaticity in Zintl Clusters. <i>Chemistry - A European Journal</i> , 2018, 24, 14583-14597.	1.7	52
4	[Co ₂ @Ge ₁₆] ⁴⁺ : Localized versus Delocalized Bonding in Two Isomeric Intermetalloid Clusters. <i>Chemistry - A European Journal</i> , 2018, 24, 699-705.	1.7	51
5	Synthesis, Crystal Structures, and Photochemical Properties of a Family of Heterometallic Titanium Oxo Clusters. <i>Inorganic Chemistry</i> , 2019, 58, 6312-6319.	1.9	47
6	Designed Cluster Assembly of Multidimensional Titanium Coordination Polymers: Syntheses, Crystal Structure and Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 2952-2961.	1.7	42
7	Entangled Uranyl Organic Frameworks with (10,3)- <i>b</i> Topology and Polythreading Network: Structure, Luminescence, and Computational Investigation. <i>Inorganic Chemistry</i> , 2016, 55, 5540-5548.	1.9	39
8	Interpenetrated Uranyl Organic Frameworks with <i>b</i> and <i>pts</i> Topology: Structure, Spectroscopy, and Computation. <i>Inorganic Chemistry</i> , 2017, 56, 14147-14156.	1.9	39
9	Synthesis and structure of a family of rhodium polystannide clusters [Rh@Sn ₁₀] ³⁺ , [Rh@Sn ₁₂] ³⁺ , [Rh ₂ @Sn ₁₇] ⁶⁺ and the first triply-fused stannide, [Rh ₃ @Sn ₂₄] ⁵⁺ . <i>Chemical Science</i> , 2019, 10, 4394-4401.	3.7	38
10	Construction of Uranyl Organic Hybrids by Phosphonate and in Situ Generated Carboxyphosphonate Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 1669-1678.	1.9	34
11	Reactivity Studies of [Co@Sn ₉] ⁴⁺ with Transition Metal Reagents: Bottom-Up Synthesis of Ternary Functionalized Zintl Clusters. <i>Inorganic Chemistry</i> , 2018, 57, 3025-3034.	1.9	32
12	Conformational 2-Fold Interpenetrated Uranyl Supramolecular Isomers Based on (6,3) Sheet Topology: Structure, Luminescence, and Ion Exchange. <i>Inorganic Chemistry</i> , 2018, 57, 15370-15378.	1.9	30
13	Structure and Bonding in [Sb@In ₈ Sb ₁₂] ³⁺ and [Sb@In ₈ Sb ₁₂] ⁵⁺ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8367-8371.	7.2	27
14	Symmetry Reduction upon Size Mismatch: The Nonicosahedral Intermetalloid Cluster [Co@Ge ₁₂] ³⁺ . <i>Chinese Journal of Chemistry</i> , 2018, 36, 1165-1168.	2.6	25
15	Metal-organic frameworks constructed from a tetrahedral silicon-based linker for selective adsorption of methylene blue. <i>CrystEngComm</i> , 2017, 19, 1564-1570.	1.3	22
16	[Ge ₅ Ni ₂ (CO) ₃] ²⁺ : the first functionalized cluster of closo-[Ge ₅] ²⁺ . <i>Chemical Communications</i> , 2017, 53, 6315-6318.	2.2	21
17	Monocarboxylate-driven structural growth in Calix[<i>n</i>]arene-polyoxotitanate hybrid systems: utility in hydrogen production from water. <i>Chemical Communications</i> , 2020, 56, 14035-14038.	2.2	21
18	Accurate Regulating of Visible-Light Absorption in Polyoxotitanate-Calix[8]arene Systems by Ligand Modification. <i>Inorganic Chemistry</i> , 2020, 59, 7512-7519.	1.9	21

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19	Nonlinear optics of graphdiyne. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6413-6428.	3.2	20
20	Accurate assembly of ferrocene-functionalized {Ti ₂ Fc ₄ } clusters with photocatalytic amine oxidation activity. <i>Chemical Communications</i> , 2021, 57, 2792-2795.	2.2	19
21	A microporous Cd-MOF based on a hexavalent silicon-centred connector and luminescence sensing of small molecules. <i>New Journal of Chemistry</i> , 2017, 41, 1137-1141.	1.4	17
22	S-Shaped Double Helicene Diimides: Synthesis, Self-Assembly, and Mechanofluorochromism. <i>Organic Letters</i> , 2021, 23, 6183-6188.	2.4	16
23	Neutral Cyclometalated Ir(III) Complexes with Pyridylpyrrole Ligand for Photocatalytic Hydrogen Generation from Water. <i>Inorganic Chemistry</i> , 2021, 60, 6266-6275.	1.9	15
24	Metal-Ligand Cooperation in Cp*Ir-Pyridylpyrrole Complexes: Rational Design and Catalytic Activity in Formic Acid Dehydrogenation and CO ₂ Hydrogenation under Ambient Conditions. <i>Inorganic Chemistry</i> , 2021, 60, 16584-16592.	1.9	15
25	An ultrastable Ti-based metallocalixarene nanocage cluster with photocatalytic amine oxidation activity. <i>Chemical Communications</i> , 2022, 58, 6028-6031.	2.2	12
26	Occurrence of polyoxouranium motifs in uranyl organic networks constructed by using silicon-centered carboxylate linkers: structures, spectroscopy and computation. <i>Dalton Transactions</i> , 2020, 49, 4155-4163.	1.6	10
27	Structural isomerism in the [(Ni@Sn ₉)In(Ni@Sn ₉)] ⁵⁺ Zintl ion. <i>Dalton Transactions</i> , 2019, 48, 15888-15895.	1.6	9
28	Structure and Bonding in [Sb@In ₈ Sb ₁₂] ³⁺ and [Sb@In ₈ Sb ₁₂] ⁵⁺ . <i>Angewandte Chemie</i> , 2019, 131, 8455-8459.	1.6	8
29	Electron-Deficient Contorted Polycyclic Aromatic Hydrocarbon via One-Pot Annulative β -Extension of Perylene Diimide. <i>Organic Letters</i> , 2022, 24, 2414-2419.	2.4	8
30	Formation of Iridium(III) Complexes via Selective Activation of the C-H and N-H Bonds of a Dipyridylpyrrole Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 960-963.	1.9	7
31	Cd-Doped Polyoxotitanium Nanoclusters with a Modifiable Organic Shell for Photoelectrochemical Water Splitting. <i>Inorganic Chemistry</i> , 2021, 60, 19263-19269.	1.9	7
32	Reversible pyrrole-based proton storage/release in ruthenium(II) complexes. <i>Chemical Communications</i> , 2019, 55, 14594-14597.	2.2	6
33	3D Uranyl Organic Frameworks Supported by Rigid Octadentate Carboxylate Ligand: Synthesis, Structure Diversity, and Luminescence Properties. <i>Chemistry - A European Journal</i> , 2021, 27, 10313-10322.	1.7	6
34	Metal-Directed Self-Assembly of {Ti ₈ L ₂ } Cluster-Based Coordination Polymers with Enhanced Photocatalytic Alcohol Oxidation Activity. <i>Inorganic Chemistry</i> , 2022, 61, 923-930.	1.9	6
35	Double Thia/sulfone[7]helicenes with Controlled Photophysical and Chiroptical Properties by Heteroatom Variation. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	5
36	Heterometallic Polyoxotitanium Clusters as Bifunctional Electrocatalysts for Overall Water Splitting. <i>Inorganic Chemistry</i> , 2022, 61, 10151-10158.	1.9	5

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37	Efficient Electrochemical Water Oxidation Mediated by Pyridylpyrrole-Carboxylate Ruthenium Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 15627-15634.	1.9	3
38	Self-Assembly of Chiral Ferrocene-Functionalized Polyoxotitanium Clusters for Photocatalytic Selective Sulfide Oxidation. <i>Inorganic Chemistry</i> , 2022, 61, 2903-2910.	1.9	3
39	Structural, spectroscopic and electronic properties of a family of face-shared bi-octahedral Ru ₂ ^{5+/6+} complexes with a bridging 2,5-di(2-pyridyl)pyrrolide ligand. <i>Dalton Transactions</i> , 2020, 49, 7053-7059.	1.6	2
40	A Bimetallic Ag/Ti-Based Coordination Polymer as a Catalyst for Electrocatalytic CO ₂ Reduction and Selective Sulfide Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	2
41	Frontispiece: Aromaticity and Antiaromaticity in Zintl Clusters. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
42	Innentitelbild: Structure and Bonding in [Sb@In ₈ Sb ₁₂] ³⁺ and [Sb@In ₈ Sb ₁₂] ⁵⁺ (Angew. Chem. 25/2019). <i>Angewandte Chemie</i> , 2019, 131, 8330-8330.	1.6	0