

Zicheng Xiao

List of Publications by Year in descending order

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papers

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all docs

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693
citing authors

#	ARTICLE	IF	CITATIONS
1	A Double-tailed Fluorescent Surfactant with a Hexavanadate Cluster as the Head Group. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2521-2525.	13.8	167
2	Polyoxometalate-Organic Hybrid Molecules as Amphiphilic Emulsion Catalysts for Deep Desulfurization. <i>Chemistry - A European Journal</i> , 2012, 18, 9174-9178.	3.3	98
3	Single-side Organically Functionalized Anderson-type Polyoxometalates. <i>Chemistry - A European Journal</i> , 2011, 17, 12002-12005.	3.3	69
4	Application of polyoxometalates in photocatalytic degradation of organic pollutants. <i>Nanoscale Advances</i> , 2021, 3, 4646-4658.	4.6	67
5	DMAP-catalyzed esterification of pentaerythritol-derivatized POMs: a new route for the functionalization of polyoxometalates. <i>Chemical Communications</i> , 2011, 47, 5557-5559.	4.1	56
6	Anderson-type polyoxometalates: from structures to functions. <i>Nanoscale</i> , 2021, 13, 7119-7133.	5.6	35
7	Synthesis, crystal structure and spectroscopic studies of a series of hexavanadate hybrids with multiple functional groups. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 165-170.	6.0	30
8	An Easy Way to Construct Polyoxovanadate-Based Organic-Inorganic Hybrids by Stepwise Functionalization. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 808-811.	2.0	28
9	Syntheses and post-functionalization of tri-substituted polyalkoxohexavanadates containing tris(alkoxo) ligands. <i>Dalton Transactions</i> , 2017, 46, 8505-8513.	3.3	26
10	Deficient copper decorated platinum nanoparticles for selective hydrogenation of chloronitrobenzene. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11294-11300.	10.3	25
11	Improved peroxidase-mimic property: Sustainable, high-efficiency interfacial catalysis with H ₂ O ₂ on the surface of vesicles of hexavanadate-organic hybrid surfactants. <i>Nano Research</i> , 2018, 11, 1313-1321.	10.4	25
12	A new scheme for rational design and synthesis of polyoxovanadate hybrids with high antitumor activities. <i>Journal of Inorganic Biochemistry</i> , 2019, 193, 130-132.	3.5	18
13	Polyoxometalate-Derived Ir/WO _x /rGO Nanocomposites for Enhanced Electrocatalytic Water Splitting. <i>Energy and Environmental Materials</i> , 2021, 4, 681-686.	12.8	17
14	Structural and Magnetical Studies of Mixed-Valence Hexavanadate Hybrids: How Organic Ligands Affect the Magnetism of Polyoxometalates?. <i>Inorganic Chemistry</i> , 2021, 60, 4347-4351.	4.0	15
15	Direct Syntheses of Nanocages and Frameworks Based on Anderson-Type Polyoxometalates via One-Pot Reactions. <i>Inorganic Chemistry</i> , 2019, 58, 11988-11992.	4.0	13
16	Stepwise syntheses and supramolecular assemblies of a series of polyoxovanadate hybrids with various architectures. <i>New Journal of Chemistry</i> , 2018, 42, 5853-5858.	2.8	12
17	Synthesis and characterization of a novel inorganic-organic hybrid material based on polyoxometalates and dicyclohexylcarbodiimide. <i>Journal of Molecular Structure</i> , 2017, 1149, 42-47.	3.6	10
18	A New Family of Polyoxometalates: Tris-functionalized Lindqvist-Type Hexatungstovanadates. <i>Inorganic Chemistry</i> , 2021, 60, 545-549.	4.0	10

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19	Covalent hybrid materials between polyoxometalates and organic molecules for enhanced electrochemical properties. <i>Journal of Materials Science</i> , 2020, 55, 5554-5570.	3.7	9
20	A novel 3D network constructed from tetra-substituted trisalkoxy-hexavanadate clusters: Na ₂ [V ₆ O ₇ {(OCH ₂) ₃ CNH ₂ }] ₄ . <i>Inorganic Chemistry Communication</i> , 2017, 84, 96-98.	3.9	7
21	Supramolecular Architectures of Polyoxometalate Hybrids Originating from Halogen and Hydrogen-Bonding Interactions. <i>ChemistrySelect</i> , 2018, 3, 11008-11011.	1.5	7
22	Destroy the inherent symmetry of vanadium-based inorganic cluster through chiral organic ligand: Synthesis and characterization of a polyoxovanadate-derived amino acid ester hybrid. <i>Journal of Molecular Structure</i> , 2019, 1195, 10-16.	3.6	6
23	The crystal packing, morphology and hydrophobicity of polyoxometalate-based amphiphilic materials. <i>CrystEngComm</i> , 2020, 22, 2434-2438.	2.6	6
24	Crystal Structures of Three New Hexavanadate Hybrids with Aromatic Carboxylate Ligands. <i>Journal of Chemical Crystallography</i> , 2017, 47, 95-100.	1.1	6
25	Either of Left-Right Hands Fits into an Identical Glove: A New Crystal of Polyoxometalate-Amino Acid Salt. <i>Journal of Cluster Science</i> , 2010, 21, 173-179.	3.3	5
26	Polyoxovanadate-Based Inorganic-Organic Derivatives Synthesized by the Activation of NHS Intermediate at Room Temperature. <i>ChemistrySelect</i> , 2019, 4, 1742-1744.	1.5	4
27	Crystal structure of hexakis(4-(dimethylamino)pyridin-1-ium) decavanadate-water (1:16), C ₄₂ H ₉₈ N ₁₂ O ₄₄ V ₁₀ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2015, 230, 353-355.	0.3	3
28	Synthesis of a Chiral Polyoxovanadate Derivative by Covalently Modification with a Chiral Amino Acid Ester. <i>Journal of Cluster Science</i> , 2019, 30, 837-841.	3.3	2
29	Spectroscopic Studies of a Novel Inorganic-Organic Hybrid Based on Polyoxovanadates Under a Wide Range of Wavelengths. <i>Journal of Cluster Science</i> , 2019, 30, 5-10.	3.3	2
30	Synthesis and structure studies of a new hexavanadate-glycine hybrid with high antitumor activities. <i>Journal of Molecular Structure</i> , 2020, 1201, 127138.	3.6	2
31	Ir-based electrocatalysts promoted by TME-substituted polyoxovanadate-derived vanadium carbide for efficient hydrogen evolution and oxygen evolution. <i>Chemical Communications</i> , 2021, 57, 10395-10398.	4.1	2
32	A New Scheme to Prepare Polyoxovanadate-Polymer Hybrid Materials. <i>Journal of Cluster Science</i> , 2020, 31, 1.	3.3	1
33	Diaryl-3-Iodane Woven Supramolecular Architecture of Polyoxometalate. <i>ChemistrySelect</i> , 2020, 5, 7056-7059.	1.5	1
34	Rational design and synthesis of organic-inorganic hexavanadate hybrids with p-halogenated benzoyl ligands. <i>Journal of Molecular Structure</i> , 2022, 1248, 131451.	3.6	1
35	Synthesis and Crystal Structure of a New Hexavanadate Hybrid with Alkynyl Ligands. <i>Journal of Chemical Crystallography</i> , 0, , .	1.1	0