Qiuxia Han

List of Publications by Year
in descending order

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38	1,521	361413	315739
papers	citations	20 h-index	38 g-index

39	39	39	1431
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering Chiral Polyoxometalate Hybrid Metalâ€“Organic Frameworks for Asymmetric Dihydroxylation of Olefins. Journal of the American Chemical Society, 2013, 135, 10186-10189.	13.7	348
2	Polyoxometalate-based homochiral metal-organic frameworks for tandem asymmetric transformation of cyclic carbonates from olefins. Nature Communications, 2015, 6, 10007.	12.8	240
3	Microalgal bioremediation of heavy metal pollution in water: Recent advances, challenges, and prospects. Chemosphere, 2022, 286, 131870.	8.2	85
4	Photoactive Metalâ€“Organic Framework for the Reduction of Aryl Halides by the Synergistic Effect of Consecutive Photoinduced Electron-Transfer and Hydrogen-Atom-Transfer Processes. ACS Applied Materials & Interfaces, 2020, 12, 2199-2206.	8.0	66
5	Metalâ€“organic frameworks (MOFs) for the efficient removal of contaminants from water: Underlying mechanisms, recent advances, challenges, and future prospects. Coordination Chemistry Reviews, 2022, 468, 214595.	18.8	64
6	Ternary supramolecular system for photocatalytic oxidation with air by consecutive photo-induced electron transfer processes. Journal of Catalysis, 2019, 376, 161-167.	6.2	59
7	A mesoporous metal-organic framework: Potential advances in selective dye adsorption. Journal of Alloys and Compounds, 2018, 750, 360-367.	5.5	56
8	Novel Isopolyoxotungstate [H2W11O38]8â€“ Based Metal Organic Framework: As Lewis Acid Catalyst for Cyanosilylation of Aromatic Aldehydes. Inorganic Chemistry, 2014, 53, 6107-6112.	4.0	55
9	A review on solid acid catalysis for sustainable production of levulinic acid and levulinate esters from biomass derivatives. Bioresource Technology, 2021, 342, 125977.	9.6	47
10	Three Novel Inorganicâ€“Organic Hybrid Arsenomolybdate Architectures Constructed from Monocapped Trivacant [As^{III}As^VMo₉O₃₄]^{6â€“} Fragments with [Cu(L)₂]²⁺ Linkers: From Dimer to Two-Dimensional Framework. Crystal Growth and Design, 2011, 11, 436-444.	3.0	37
11	Special-selective Câ€“H oxidation of toluene to benzaldehyde by a hybrid polyoxometalate photocatalyst including a rare [P6W48Fe6O180]30â€“ anion. Journal of Catalysis, 2020, 392, 244-253.	6.2	37
12	A Polyoxometalate-Based Inorganic Porous Material with both Proton and Electron Conductivity by Light Actuation: Photocatalysis for Baeyerâ€“Villiger Oxidation and Cr(VI) Reduction. Inorganic Chemistry, 2021, 60, 682-691.	4.0	32
13	Polyoxometalate-Supported Aminocatalyst for the Photocatalytic Direct Synthesis of Imines from Alkenes and Amines. Inorganic Chemistry, 2019, 58, 12529-12533.	4.0	28
14	Photocatalytic Multielectron Reduction of Nitroarenes to Anilines by Utilizing an Electron-Storable Polyoxometalate-Based Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2022, 14, 16386-16393.	8.0	28
15	Asymmetric Cascade Catalysis with Chiral Polyoxometalateâ€Based Frameworks: Sequential Direct Aldol and Epoxidation Reactions. ChemCatChem, 2017, 9, 1801-1807.	3.7	27
16	Chiral and amine groups functionalized polyoxometalate-based metal-organic frameworks for synergic catalysis in aldol and Knoevenagel condensations. Molecular Catalysis, 2018, 458, 83-88.	2.0	25
17	Synthesis, characterization and in vitro antibacterial mechanism study of two Keggin-type polyoxometalates. Journal of Inorganic Biochemistry, 2020, 210, 111131.	3.5	24
18	A molybdate-incorporated cooperative catalyst: High efficiency in the assisted tandem catalytic synthesis of cyclic carbonates from CO2 and olefins. Molecular Catalysis, 2018, 461, 10-18.	2.0	23

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19	Supermolecular film crosslinked by polyoxometalate and chitosan with superior antimicrobial effect. International Journal of Biological Macromolecules, 2020, 154, 732-738.	7.5	23
20	Preparation of Fe3O4@polyoxometalates Nanocomposites and Their Efficient Adsorption of Cationic Dyes from Aqueous Solution. Nanomaterials, 2019, 9, 649.	4.1	20
21	Design of a Polyoxometalate-Based Metalâ€“Organic Framework for Photocatalytic C(sp³)â€“H Oxidation of Toluene. Inorganic Chemistry, 2022, 61, 2421-2427.	4.0	20
22	An electron-rich metal-organic framework for highly efficient photocatalytic reduction of Cr(VI). Journal of Alloys and Compounds, 2020, 830, 154696.	5.5	18
23	Beat over the Old Ground with New Strategy: Engineering AsÂ·Â·Â·As Interaction in Arsenite-Based Dawson Cluster Î²-[W18O54(AsO3)2]6â€“. Inorganic Chemistry, 2014, 53, 2006-2011.	4.0	17
24	Less toxic zinc(<scp>ii</scp>), diorganotin(<scp>iv</scp>), gallium(<scp>iii</scp>) and cadmium(<scp>ii</scp>) complexes derived from 2-benzoylpyridine N,N-dimethylthiosemicarbazone: synthesis, crystal structures, cytotoxicity and investigations of mechanisms of action. Toxicology Research, 2018, 7, 987-993.	2.1	16
25	Visible-light-responsive polyoxometalate-based metalâ€“organic framework for highly efficient photocatalytic oxidative coupling of amines. Journal of Materials Science, 2021, 56, 6676-6688.	3.7	16
26	Designing a Polyoxometalate-Incorporated Metalâ€“Organic Framework for Reduction of Nitroarenes to Anilines by Sequential Proton-Coupled Electron Transfers. Inorganic Chemistry, 2022, 61, 5335-5342.	4.0	16
27	Electrostatic polypyridineâ€“ruthenium(<scp>ii</scp>)â‹¯decatungstate dyads: structures, characterizations and photodegradation of dye. RSC Advances, 2017, 7, 18024-18031.	3.6	12
28	Two inorganicâ€“organic hybrids based on a polyoxometalate: Structures, characterizations, and epoxidation of olefins. Journal of Coordination Chemistry, 2018, 71, 1460-1468.	2.2	12
29	Synthesis Cu(I)â€“CN-based MOF with in-situ generated cyanogroup by cleavage of acetonitrile: Highly efficient for catalytic cyclization of propargylic alcohols with CO2. Molecular Catalysis, 2020, 496, 111190.	2.0	12
30	Visible-Light-Driven Câ€“N Bond Formation by a Hexanickel Cluster Substituted Polyoxometalate-Based Photocatalyst. Inorganic Chemistry, 2021, 60, 10022-10029.	4.0	11
31	An Isopolymolybdate-Incorporated Metalâ€“Organic Framework with Sulfite Oxidase-Mimicking Activity for Photocatalytic Oxidation of Sulfides Utilizing In Situ-Generated Singlet Oxygen. Inorganic Chemistry, 2021, 60, 16810-16816.	4.0	11
32	A hydrophilic inorganic framework based on a sandwich polyoxometalate: unusual chemoselectivity for aldehydes/ketones with in situ generated hydroxylamine. Dalton Transactions, 2017, 46, 11537-11541.	3.3	10
33	Synthesis and Structural Characterization of a New Two-dimensional Organic-Inorganic Hybrid Molybdoarsenate: [Cu(en)2]2[(CuO6)Mo6O18(As3O3)2]. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 163-167.	0.7	6
34	Synthesis, Crystal Structure and Properties of Novel Composite Complex: [La(Nmp)4(H2o)4][HsiMo12O40]Â·2nmpÂ·H2o. Journal of Coordination Chemistry, 2003, 56, 1003-1012.	2.2	5
35	Hydrolytic cleavage of a DNA-model phosphodiester: a new inorganicâ€“organic hybrid constructed from a Zn-cluster with a polyoxometalate. Journal of Coordination Chemistry, 2013, 66, 2405-2412.	2.2	5
36	A New Cobalt(III)/[Mo6O19]2â¯ Heterogeneous Catalyst for Promoting the Oxidative Coupling of Amines to Imines. Catalysis Letters, 2020, 150, 753-761.	2.6	4

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37	Synthesis, crystal structure and properties of a new complex constructed from coordinated Dy(III) unit and the polyanion [SiMo12O40]4â˜: [Dy(NMP)4(H2O)3]H[SiMo12O40]Â·2NMP. Journal of Coordination Chemistry, 2004, 57, 33-40.	2.2	3
38	A Bimetallic Pure Inorganic Framework for Highly Efficient and Selective Photocatalytic Oxidation of Cyclohexene to 2-Cyclohexen-1-ol. Catalysis Letters, 2019, 149, 3048-3057.	2.6	3