

# Qiuxia Han

## List of Publications by Year in descending order

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38  
papers

1,521  
citations

361413  
20  
h-index

315739  
38  
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39  
all docs

39  
docs citations

39  
times ranked

1431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgal bioremediation of heavy metal pollution in water: Recent advances, challenges, and prospects. <i>Chemosphere</i> , 2022, 286, 131870.	8.2	85
2	Design of a Polyoxometalate-Based Metal-Organic Framework for Photocatalytic C(sp <sup>3</sup> )-H Oxidation of Toluene. <i>Inorganic Chemistry</i> , 2022, 61, 2421-2427.	4.0	20
3	Photocatalytic Multielectron Reduction of Nitroarenes to Anilines by Utilizing an Electron-Storable Polyoxometalate-Based Metal-Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 16386-16393.	8.0	28
4	Designing a Polyoxometalate-Incorporated Metal-Organic Framework for Reduction of Nitroarenes to Anilines by Sequential Proton-Coupled Electron Transfers. <i>Inorganic Chemistry</i> , 2022, 61, 5335-5342.	4.0	16
5	Metal-organic frameworks (MOFs) for the efficient removal of contaminants from water: Underlying mechanisms, recent advances, challenges, and future prospects. <i>Coordination Chemistry Reviews</i> , 2022, 468, 214595.	18.8	64
6	A Polyoxometalate-Based Inorganic Porous Material with both Proton and Electron Conductivity by Light Actuation: Photocatalysis for Baeyer-Villiger Oxidation and Cr(VI) Reduction. <i>Inorganic Chemistry</i> , 2021, 60, 682-691.	4.0	32
7	Visible-light-responsive polyoxometalate-based metal-organic framework for highly efficient photocatalytic oxidative coupling of amines. <i>Journal of Materials Science</i> , 2021, 56, 6676-6688.	3.7	16
8	Visible-Light-Driven C-N Bond Formation by a Hexanickel Cluster Substituted Polyoxometalate-Based Photocatalyst. <i>Inorganic Chemistry</i> , 2021, 60, 10022-10029.	4.0	11
9	A review on solid acid catalysis for sustainable production of levulinic acid and levulinate esters from biomass derivatives. <i>Bioresource Technology</i> , 2021, 342, 125977.	9.6	47
10	An Isopolymolybdate-Incorporated Metal-Organic Framework with Sulfite Oxidase-Mimicking Activity for Photocatalytic Oxidation of Sulfides Utilizing In Situ-Generated Singlet Oxygen. <i>Inorganic Chemistry</i> , 2021, 60, 16810-16816.	4.0	11
11	A New Cobalt(III)/[Mo <sub>6</sub> O <sub>19</sub> ] <sup>2-</sup> Heterogeneous Catalyst for Promoting the Oxidative Coupling of Amines to Imines. <i>Catalysis Letters</i> , 2020, 150, 753-761.	2.6	4
12	Photoactive Metal-Organic Framework for the Reduction of Aryl Halides by the Synergistic Effect of Consecutive Photoinduced Electron-Transfer and Hydrogen-Atom-Transfer Processes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2199-2206.	8.0	66
13	Synthesis Cu(I)-CN-based MOF with in-situ generated cyanogroup by cleavage of acetonitrile: Highly efficient for catalytic cyclization of propargylic alcohols with CO <sub>2</sub> . <i>Molecular Catalysis</i> , 2020, 496, 111190.	2.0	12
14	Special-selective C-H oxidation of toluene to benzaldehyde by a hybrid polyoxometalate photocatalyst including a rare [P <sub>6</sub> W <sub>48</sub> Fe <sub>6</sub> O <sub>180</sub> ] <sub>30</sub> anion. <i>Journal of Catalysis</i> , 2020, 392, 244-253.	6.2	37
15	An electron-rich metal-organic framework for highly efficient photocatalytic reduction of Cr(VI). <i>Journal of Alloys and Compounds</i> , 2020, 830, 154696.	5.5	18
16	Synthesis, characterization and in vitro antibacterial mechanism study of two Keggin-type polyoxometalates. <i>Journal of Inorganic Biochemistry</i> , 2020, 210, 111131.	3.5	24
17	Supramolecular film crosslinked by polyoxometalate and chitosan with superior antimicrobial effect. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 732-738.	7.5	23
18	Ternary supramolecular system for photocatalytic oxidation with air by consecutive photo-induced electron transfer processes. <i>Journal of Catalysis</i> , 2019, 376, 161-167.	6.2	59

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19	Polyoxometalate-Supported Aminocatalyst for the Photocatalytic Direct Synthesis of Imines from Alkenes and Amines. <i>Inorganic Chemistry</i> , 2019, 58, 12529-12533.	4.0	28
20	A Bimetallic Pure Inorganic Framework for Highly Efficient and Selective Photocatalytic Oxidation of Cyclohexene to 2-Cyclohexen-1-ol. <i>Catalysis Letters</i> , 2019, 149, 3048-3057.	2.6	3
21	Preparation of Fe <sub>3</sub> O <sub>4</sub> @polyoxometalates Nanocomposites and Their Efficient Adsorption of Cationic Dyes from Aqueous Solution. <i>Nanomaterials</i> , 2019, 9, 649.	4.1	20
22	A mesoporous metal-organic framework: Potential advances in selective dye adsorption. <i>Journal of Alloys and Compounds</i> , 2018, 750, 360-367.	5.5	56
23	A molybdate-incorporated cooperative catalyst: High efficiency in the assisted tandem catalytic synthesis of cyclic carbonates from CO <sub>2</sub> and olefins. <i>Molecular Catalysis</i> , 2018, 461, 10-18.	2.0	23
24	Chiral and amine groups functionalized polyoxometalate-based metal-organic frameworks for synergic catalysis in aldol and Knoevenagel condensations. <i>Molecular Catalysis</i> , 2018, 458, 83-88.	2.0	25
25	Two inorganic-organic hybrids based on a polyoxometalate: Structures, characterizations, and epoxidation of olefins. <i>Journal of Coordination Chemistry</i> , 2018, 71, 1460-1468.	2.2	12
26	Less toxic zinc(II), diorganotin(IV), gallium(III) and cadmium(II) complexes derived from 2-benzoylpyridine N,N-dimethylthiosemicarbazone: synthesis, crystal structures, cytotoxicity and investigations of mechanisms of action. <i>Toxicology Research</i> , 2018, 7, 987-993.	2.1	16
27	Asymmetric Cascade Catalysis with Chiral Polyoxometalate-Based Frameworks: Sequential Direct Aldol and Epoxidation Reactions. <i>ChemCatChem</i> , 2017, 9, 1801-1807.	3.7	27
28	Electrostatic polypyridine-ruthenium(II)- decatungstate dyads: structures, characterizations and photodegradation of dye. <i>RSC Advances</i> , 2017, 7, 18024-18031.	3.6	12
29	A hydrophilic inorganic framework based on a sandwich polyoxometalate: unusual chemoselectivity for aldehydes/ketones with in situ generated hydroxylamine. <i>Dalton Transactions</i> , 2017, 46, 11537-11541.	3.3	10
30	Polyoxometalate-based homochiral metal-organic frameworks for tandem asymmetric transformation of cyclic carbonates from olefins. <i>Nature Communications</i> , 2015, 6, 10007.	12.8	240
31	Beat over the Old Ground with New Strategy: Engineering As-As Interaction in Arsenite-Based Dawson Cluster $\{2-[W18O54(AsO_3)_2]6\}$ . <i>Inorganic Chemistry</i> , 2014, 53, 2006-2011.	4.0	17
32	Novel Isopolyoxotungstate [H <sub>2</sub> W <sub>11</sub> O <sub>38</sub> ] <sup>8-</sup> Based Metal Organic Framework: As Lewis Acid Catalyst for Cyanosilylation of Aromatic Aldehydes. <i>Inorganic Chemistry</i> , 2014, 53, 6107-6112.	4.0	55
33	Engineering Chiral Polyoxometalate Hybrid Metal-Organic Frameworks for Asymmetric Dihydroxylation of Olefins. <i>Journal of the American Chemical Society</i> , 2013, 135, 10186-10189.	13.7	348
34	Hydrolytic cleavage of a DNA-model phosphodiester: a new inorganic-organic hybrid constructed from a Zn-cluster with a polyoxometalate. <i>Journal of Coordination Chemistry</i> , 2013, 66, 2405-2412.	2.2	5
35	Three Novel Inorganic-Organic Hybrid Arsenomolybdate Architectures Constructed from Monocapped Trivacant [As <sup>III</sup> As <sup>V</sup> Mo <sub>9</sub> O <sub>34</sub> ] <sup>6-</sup> Fragments with [Cu(L) <sub>2</sub> ] <sup>2+</sup> Linkers: From Dimer to Two-Dimensional Framework. <i>Crystal Growth and Design</i> , 2011, 11, 436-444.	3.0	37
36	Synthesis and Structural Characterization of a New Two-dimensional Organic-Inorganic Hybrid Molybdoarsenate: [Cu(en) <sub>2</sub> ] <sub>2</sub> [(CuO <sub>6</sub> )Mo <sub>6</sub> O <sub>18</sub> (As <sub>3</sub> O <sub>3</sub> ) <sub>2</sub> ]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010, 65, 163-167.	0.7	6

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37	Synthesis, crystal structure and properties of a new complex constructed from coordinated Dy(III) unit and the polyanion $[\text{SiMo}_{12}\text{O}_{40}]^{4-}$ : $[\text{Dy}(\text{NMP})_4(\text{H}_2\text{O})_3]\text{H}[\text{SiMo}_{12}\text{O}_{40}]\cdot 2\text{NMP}$ . Journal of Coordination Chemistry, 2004, 57, 33-40.	2.2	3
38	Synthesis, Crystal Structure and Properties of Novel Composite Complex: $[\text{La}(\text{Nmp})_4(\text{H}_2\text{O})_4][\text{HsiMo}_{12}\text{O}_{40}]\cdot 2\text{nmp}\cdot \text{H}_2\text{o}$ . Journal of Coordination Chemistry, 2003, 56, 1003-1012.	2.2	5