

# Ya-Qian Lan

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3420592/ya-qian-lan-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208  
papers

15,170  
citations

64  
h-index

117  
g-index

233  
ext. papers

18,777  
ext. citations

10  
avg, IF

6.99  
L-index

#	Paper	IF	Citations
208	From metal-organic framework to nanoporous carbon: toward a very high surface area and hydrogen uptake. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11854-7	16.4	950
207	Recent advances in porous polyoxometalate-based metal-organic framework materials. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 4615-32	58.5	709
206	Coupled molybdenum carbide and reduced graphene oxide electrocatalysts for efficient hydrogen evolution. <i>Nature Communications</i> , <b>2016</b> , 7, 11204	17.4	679
205	Ultrastable Polymolybdate-Based Metal-Organic Frameworks as Highly Active Electrocatalysts for Hydrogen Generation from Water. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7169-77	16.4	469
204	Molybdenum Disulfide/Nitrogen-Doped Reduced Graphene Oxide Nanocomposite with Enlarged Interlayer Spacing for Electrocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600116	21.8	342
203	Porous Molybdenum-Based Hybrid Catalysts for Highly Efficient Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12928-32	16.4	321
202	Effect of Imidazole Arrangements on Proton-Conductivity in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6183-6189	16.4	315
201	Mesoporous metal-organic frameworks with size-tunable cages: selective CO <sub>2</sub> uptake, encapsulation of Ln <sup>3+</sup> cations for luminescence, and column-chromatographic dye separation. <i>Advanced Materials</i> , <b>2011</b> , 23, 5015-20	24	299
200	Rational Design of MOF/COF Hybrid Materials for Photocatalytic H Evolution in the Presence of Sacrificial Electron Donors. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12106-12110	16.4	296
199	Surfactant-Assisted Phase-Selective Synthesis of New Cobalt MOFs and Their Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13001-13005	16.4	275
198	N-rich zeolite-like metal-organic framework with sodalite topology: high CO <sub>2</sub> uptake, selective gas adsorption and efficient drug delivery. <i>Chemical Science</i> , <b>2012</b> , 3, 2114	9.4	252
197	Exploring the Performance Improvement of the Oxygen Evolution Reaction in a Stable Bimetal-Organic Framework System. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9660-9664	16.4	245
196	Bi-Microporous Metal-Organic Frameworks with Cubane [M(OH)] <sub>4</sub> (M=Ni, Co) Clusters and Pore-Space Partition for Electrocatalytic Methanol Oxidation Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12185-12189	16.4	235
195	POM-based metal-organic framework/reduced graphene oxide nanocomposites with hybrid behavior of battery-supercapacitor for superior lithium storage. <i>Nano Energy</i> , <b>2017</b> , 34, 205-214	17.1	233
194	Oriented electron transmission in polyoxometalate-metalloporphyrin organic framework for highly selective electroreduction of CO. <i>Nature Communications</i> , <b>2018</b> , 9, 4466	17.4	221
193	Hexagonal@Cubic CdS Core@Shell Nanorod Photocatalyst for Highly Active Production of H <sub>2</sub> with Unprecedented Stability. <i>Advanced Materials</i> , <b>2016</b> , 28, 8906-8911	24	219
192	Self-assembly of polyoxometalate-based metal organic frameworks based on octamolybdates and copper-organic units: from Cu(II), Cu(I,II) to Cu(I) via changing organic amine. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 8179-87	5.1	209

191	Monometallic Catalytic Models Hosted in Stable Metal-Organic Frameworks for Tunable CO <sub>2</sub> Photoreduction. <i>ACS Catalysis</i> , <b>2019</b> , 9, 1726-1732	13.1	202
190	A Water-Stable Metal-Organic Framework for Highly Sensitive and Selective Sensing of Fe Ion. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 10580-10586	5.1	196
189	Stable luminescent metal-organic frameworks as dual-functional materials to encapsulate Ln(3+) ions for white-light emission and to detect nitroaromatic explosives. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 3290-3296	5.1	178
188	Spontaneous resolution of a 3D chiral polyoxometalate-based polythreaded framework consisting of an achiral ligand. <i>Chemical Communications</i> , <b>2008</b> , 58-60	5.8	163
187	Semiconductor/Covalent-Organic-Framework Z-Scheme Heterojunctions for Artificial Photosynthesis. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6500-6506	16.4	160
186	Rational Design of Crystalline Covalent Organic Frameworks for Efficient CO Photoreduction with H <sub>2</sub> O. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12392-12397	16.4	160
185	Self-assembly of 2D->2D interpenetrating coordination polymers showing polyrotaxane- and polycatenane-like motifs: influence of various ligands on topological structural diversity. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 10600-10	5.1	159
184	Metal-Organic framework templated nitrogen and sulfur co-doped porous carbons as highly efficient metal-free electrocatalysts for oxygen reduction reactions. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6316-6319	13	156
183	Heteroatoms ternary-doped porous carbons derived from MOFs as metal-free electrocatalysts for oxygen reduction reaction. <i>Scientific Reports</i> , <b>2014</b> , 4, 5130	4.9	155
182	Efficient electron transmission in covalent organic framework nanosheets for highly active electrocatalytic carbon dioxide reduction. <i>Nature Communications</i> , <b>2020</b> , 11, 497	17.4	146
181	Supramolecular isomerism with polythreaded topology based on [Mo <sub>8</sub> O <sub>26</sub> ] <sup>4-</sup> isomers. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 529-34	5.1	144
180	A microporous anionic metal-organic framework for sensing luminescence of lanthanide(III) ions and selective absorption of dyes by ionic exchange. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 5625-30	4.8	143
179	One-pot synthesis of core-shell Cu@SiO <sub>2</sub> nanospheres and their catalysis for hydrolytic dehydrogenation of ammonia borane and hydrazine borane. <i>Scientific Reports</i> , <b>2014</b> , 4, 7597	4.9	143
178	Polyoxometalate-based metal-organic framework-derived hybrid electrocatalysts for highly efficient hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1202-1207	13	139
177	Spontaneous resolution of chiral polyoxometalate-based compounds consisting of 3D chiral inorganic skeletons assembled from different helical units. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 9999-10006	4.8	119
176	From molecular metal complex to metal-organic framework: The CO <sub>2</sub> reduction photocatalysts with clear and tunable structure. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 390, 86-126	23.2	111
175	Polyoxometalate-based materials for sustainable and clean energy conversion and storage. <i>EnergyChem</i> , <b>2019</b> , 1, 100021	36.9	109
174	Synergistic Conductivity Effect in a Proton Sources-Coupled Metal-Organic Framework. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 2313-2318	20.1	108

173	Installing earth-abundant metal active centers to covalent organic frameworks for efficient heterogeneous photocatalytic CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 254, 624-633	21.8	106
172	Tunable MoS <sub>2</sub> /SnO <sub>2</sub> p-n Heterojunctions for an Efficient Trimethylamine Gas Sensor and 4-Nitrophenol Reduction Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12375-12384	8.3	106
171	Polyoxometalate-Based Metal-Organic Frameworks with Conductive Polypyrrole for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 32265-32270	9.5	106
170	A multifunctional microporous anionic metal-organic framework for column-chromatographic dye separation and selective detection and adsorption of Cr <sup>3+</sup> . <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23426-23434	13	102
169	Adenine Components in Biomimetic Metal-Organic Frameworks for Efficient CO Photoconversion. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 5226-5231	16.4	98
168	An unprecedented (6,8)-connected self-penetrating network based on two distinct zinc clusters. <i>Chemical Communications</i> , <b>2007</b> , 4863-5	5.8	97
167	A highly stable polyoxometalate-based metal-organic framework with $\pi$ -stacking for enhancing lithium ion battery performance. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8477-8483	13	96
166	Bimetallic Carbides-Based Nanocomposite as Superior Electrocatalyst for Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 16977-16985	9.5	94
165	An ultrastable porous metal-organic framework luminescent switch towards aromatic compounds. <i>Materials Horizons</i> , <b>2015</b> , 2, 245-251	14.4	87
164	Entangled structures in polyoxometalate-based coordination polymers. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 279, 141-160	23.2	86
163	Polyoxometalate-based crystalline tubular microreactor: redox-active inorganic-organic hybrid materials producing gold nanoparticles and catalytic properties. <i>Chemical Science</i> , <b>2012</b> , 3, 705-710	9.4	84
162	Creating Well-Defined Hexabenzocoronene in Zirconium Metal-Organic Framework by Postsynthetic Annulation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2054-2060	16.4	83
161	Polypyrrole-polyoxometalate/reduced graphene oxide ternary nanohybrids for flexible, all-solid-state supercapacitors. <i>Chemical Communications</i> , <b>2015</b> , 51, 12377-80	5.8	81
160	Stable Heterometallic Cluster-Based Organic Framework Catalysts for Artificial Photosynthesis. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2659-2663	16.4	81
159	Solid-phase hot-pressing of POMs-ZIFs precursor and derived phosphide for overall water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 245, 528-535	21.8	80
158	Cobalt@Nitrogen-Doped Porous Carbon Fiber Derived from the Electrospun Fiber of Bimetal-Organic Framework for Highly Active Oxygen Reduction. <i>Small Methods</i> , <b>2018</b> , 2, 1800049	12.8	75
157	Controllable porosity conversion of metal-organic frameworks composed of natural ingredients for drug delivery. <i>Chemical Communications</i> , <b>2017</b> , 53, 7804-7807	5.8	74
156	pH-dependent self-assembly of divalent metals with a new ligand containing polycarboxylate: syntheses, crystal structures, luminescent and magnetic properties. <i>CrystEngComm</i> , <b>2010</b> , 12, 2157	3.3	73

155	Derivation and Decoration of Nets with Trigonal-Prismatic Nodes: A Unique Route to Reticular Synthesis of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5299-307	16.4	73
154	Construction and property investigation of transition-metal complexes modified octamolybdate hybrid materials based on V-shaped organic ligands. <i>CrystEngComm</i> , <b>2010</b> , 12, 434-445	3.3	72
153	A stable metal-organic framework with suitable pore sizes and rich uncoordinated nitrogen atoms on the internal surface of micropores for highly efficient CO <sub>2</sub> capture. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 7361-7367	13	69
152	Diamondoid-structured polymolybdate-based metal-organic frameworks as high-capacity anodes for lithium-ion batteries. <i>Chemical Communications</i> , <b>2017</b> , 53, 5204-5207	5.8	68
151	Construction of different dimensional inorganic-organic hybrid materials based on polyoxometalates and metal-organic units via changing metal ions: from non-covalent interactions to covalent connections. <i>Dalton Transactions</i> , <b>2008</b> , 3824-35	4.3	67
150	Multielectron transportation of polyoxometalate-grafted metalloporphyrin coordination frameworks for selective CO-to-CH photoconversion. <i>National Science Review</i> , <b>2020</b> , 7, 53-63	10.8	67
149	Cobalt Phosphides Nanocrystals Encapsulated by P-Doped Carbon and Married with P-Doped Graphene for Overall Water Splitting. <i>Small</i> , <b>2019</b> , 15, e1804546	11	66
148	Polyoxometalate-Based Compounds for Photo- and Electrocatalytic Applications. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20779-20793	16.4	66
147	Tailor-made metal-organic frameworks from functionalized molecular building blocks and length-adjustable organic linkers by stepwise synthesis. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 8076-83	4.8	66
146	Two eight-connected self-penetrating porous metal-organic frameworks: configurational isomers caused by different linking modes between terephthalate and binuclear nickel building units. <i>CrystEngComm</i> , <b>2009</b> , 11, 274-277	3.3	65
145	Controllable synthesis of a non-interpenetrating microporous metal-organic framework based on octahedral cage-like building units for highly efficient reversible adsorption of iodine. <i>Chemical Communications</i> , <b>2012</b> , 48, 10001-3	5.8	64
144	CoV <sub>2</sub> O <sub>6</sub> /V <sub>2</sub> O <sub>5</sub> Coupled with Porous N-Doped Reduced Graphene Oxide Composite as a Highly Efficient Electrocatalyst for Oxygen Evolution. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1327-1333	20.1	63
143	Polyoxometalate-Incorporated Metallapillararene/Metallacalixarene Metal-Organic Frameworks as Anode Materials for Lithium Ion Batteries. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 8311-8318	5.1	63
142	Face-Sharing Archimedean Solids Stacking for the Construction of Mixed-Ligand Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 13841-13848	16.4	62
141	d(10)-Metal coordination polymers based on analogue di(pyridyl)imidazole derivatives and 4,4'-oxydibenzoic acid: influence of flexible and angular characters of neutral ligands on structural diversity. <i>Dalton Transactions</i> , <b>2008</b> , 6796-807	4.3	62
140	Coordination polymer-based conductive materials: ionic conductivity vs. electronic conductivity. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 24059-24091	13	62
139	Stable Dioxin-Linked Metallophthalocyanine Covalent Organic Frameworks (COFs) as Photo-Coupled Electrocatalysts for CO Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 4864-4871	16.4	62
138	Metal-Organic Frameworks Based on Different Benzimidazole Derivatives: Effect of Length and Substituent Groups of the Ligands on the Structures. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 1161-1170	3.5	61

137	An Anionic Interpenetrated Zeolite-Like Metal-Organic Framework Composite As a Tunable Dual-Emission Luminescent Switch for Detecting Volatile Organic Molecules. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17298-17304	4.8	61
136	Coralloid Co <sub>2</sub> P <sub>2</sub> O <sub>7</sub> Nanocrystals Encapsulated by Thin Carbon Shells for Enhanced Electrochemical Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 22534-44	9.5	61
135	Engineering Zn <sub>1-x</sub> Cd <sub>x</sub> S/CdS Heterostructures with Enhanced Photocatalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 14535-41	9.5	60
134	Hetero-metallic active sites coupled with strongly reductive polyoxometalate for selective photocatalytic CO-to-CH conversion in water. <i>Chemical Science</i> , <b>2019</b> , 10, 185-190	9.4	59
133	Encapsulating ionic liquids into POM-based MOFs to improve their conductivity for superior lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 8735-8741	13	59
132	Rational Design of MOF/COF Hybrid Materials for Photocatalytic H <sub>2</sub> Evolution in the Presence of Sacrificial Electron Donors. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12282-12286	3.6	59
131	High Electrical Conductivity in a 2D MOF with Intrinsic Superprotonic Conduction and Interfacial Pseudo-capacitance. <i>Matter</i> , <b>2020</b> , 2, 711-722	12.7	58
130	Solid-state structural transformation doubly triggered by reaction temperature and time in 3D metal-organic frameworks: great enhancement of stability and gas adsorption. <i>Chemical Science</i> , <b>2014</b> , 5, 1368	9.4	57
129	Self-assembly of a mesoporous ZnS/mediating interface/CdS heterostructure with enhanced visible-light hydrogen-production activity and excellent stability. <i>Chemical Science</i> , <b>2015</b> , 6, 5263-5268	9.4	56
128	Enhanced Cuprophilic Interactions in Crystalline Catalysts Facilitate the Highly Selective Electroreduction of CO to CH. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 3808-3816	16.4	53
127	Polyoxometalate-encapsulated twenty-nuclear silver-tetrazole nanocage frameworks as highly active electrocatalysts for the hydrogen evolution reaction. <i>Chemical Communications</i> , <b>2018</b> , 54, 1964-1967	5.8	52
126	A highly stable polyoxometalate-based metal-organic framework with an ABW zeolite-like structure. <i>Chemical Communications</i> , <b>2017</b> , 53, 10054-10057	5.8	52
125	Porous Molybdenum-Based Hybrid Catalysts for Highly Efficient Hydrogen Evolution. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 13120-13124	3.6	51
124	Three novel 3D (3,8)-connected metal-organic frameworks constructed from flexible-rigid mixed ligands. <i>CrystEngComm</i> , <b>2009</b> , 11, 1842	3.3	51
123	Hydrophobic Polyoxometalate-Based Metal-Organic Framework for Efficient CO Photoconversion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 25790-25795	9.5	49
122	POMOF/SWNT Nanocomposites with Prominent Peroxidase-Mimicking Activity for L-Cysteine "On-Off Switch" Colorimetric Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 16896-16904	9.5	49
121	Two-dimensional nanostructures of non-layered ternary thiospinels and their bifunctional electrocatalytic properties for oxygen reduction and evolution: the case of CuCo <sub>2</sub> S <sub>4</sub> nanosheets. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 1501-1509	6.8	49
120	Strategic hierarchical improvement of superprotonic conductivity in a stable metal-organic framework system. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25165-25171	13	49



119	Surfactant-Assisted Phase-Selective Synthesis of New Cobalt MOFs and Their Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13181-13185	3.6	47
118	Metal-Organic Frameworks for Photo/Electrocatalysis. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2100033	1.6	47
117	Synergistic effect of mesoporous Mn <sub>2</sub> O <sub>3</sub> -supported Pd nanoparticle catalysts for electrocatalytic oxygen reduction reaction with enhanced performance in alkaline medium. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 1272-1276	13	45
116	Co-Doped ZnCdS nanocrystals from metal-organic framework precursors: porous microstructure and efficient photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , <b>2017</b> , 46, 10553-10557	4.3	45
115	Exploring the Performance Improvement of the Oxygen Evolution Reaction in a Stable Bimetal-Organic Framework System. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9808-9812	3.6	43
114	Metallocene implanted metalloporphyrin organic framework for highly selective CO <sub>2</sub> electroreduction. <i>Nano Energy</i> , <b>2020</b> , 67, 104233	17.1	43
113	Molecular tectonics of metal-organic frameworks based on ligand-modulated polynuclear zinc SBUs and aromatic multicarboxylic acids. <i>CrystEngComm</i> , <b>2011</b> , 13, 889-896	3.3	42
112	A novel (4,8)-connected 3D polyoxometalate-based metal-organic framework containing an in situ ligand. <i>CrystEngComm</i> , <b>2008</b> , 10, 1129	3.3	42
111	Disclosing CO <sub>2</sub> Activation Mechanism by Hydroxyl-Induced Crystalline Structure Transformation in Electrocatalytic Process. <i>Matter</i> , <b>2019</b> , 1, 1656-1668	12.7	41
110	Metal-organic framework-based foams for efficient microplastics removal. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14644-14652	13	41
109	Rational Design of Crystalline Covalent Organic Frameworks for Efficient CO <sub>2</sub> Photoreduction with H <sub>2</sub> O. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12522-12527	3.6	41
108	Different Protonic Species Affecting Proton Conductivity in Hollow Spherelike Polyoxometalates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 7030-7036	9.5	39
107	Polyoxometalate precursors for precisely controlled synthesis of bimetallic sulfide heterostructure through nucleation-doping competition. <i>Nanoscale</i> , <b>2018</b> , 10, 8404-8412	7.7	39
106	Liquid-free single-crystal to single-crystal transformations in coordination polymers. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 279-300	6.8	38
105	Syntheses of Exceptionally Stable Aluminum(III) Metal-Organic Frameworks: How to Grow High-Quality, Large, Single Crystals. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 15518-15528	4.8	38
104	Assembly of Multifold Helical Polyoxometalate-Based Metal-Organic Frameworks as Anode Materials in Lithium-Ion Batteries. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 3865-3872	5.1	37
103	Bi-Microporous Metal-Organic Frameworks with Cubane [M <sub>4</sub> (OH) <sub>4</sub> ] (M=Ni, Co) Clusters and Pore-Space Partition for Electrocatalytic Methanol Oxidation Reaction. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12313-12317	3.6	37
102	Controllable synthesis of microporous, nanotubular and mesocage-like metal-organic frameworks by adjusting the reactant ratio and modulated luminescence properties of Alq <sub>3</sub> @MOF composites. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17947		37

101	Synthesis and characterization of two {Mo6}-based/templated metal-organic frameworks. <i>CrystEngComm</i> , <b>2011</b> , 13, 1461-1466	3-3	37
100	A series of novel chiral lanthanide coordination polymers with channels constructed from 16Ln-based cage-like building units. <i>CrystEngComm</i> , <b>2010</b> , 12, 1147-1152	3-3	37
99	Carbon quantum dots enriching molecular nickel polyoxometalate over CdS semiconductor for photocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 293, 120214	21.8	36
98	Adenine Components in Biomimetic Metal-Organic Frameworks for Efficient CO <sub>2</sub> Photoconversion. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 5280-5285	3.6	35
97	Carbon nanodots functional MOFs composites by a stepwise synthetic approach: enhanced H <sub>2</sub> storage and fluorescent sensing. <i>CrystEngComm</i> , <b>2015</b> , 17, 1080-1085	3-3	35
96	Introduction of Molecular Building Blocks to Improve the Stability of Metal-Organic Frameworks for Efficient Mercury Removal. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 6118-6123	5-1	35
95	The Enhancement on Proton Conductivity of Stable Polyoxometalate-Based Coordination Polymers by the Synergistic Effect of Multi-Proton Units. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9299-304	4.8	35
94	Solid-phase hot-pressing synthesis of POMOFs on carbon cloth and derived phosphides for all pH value hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21969-21977	13	34
93	Improved conductivity of a new Co(II)-MOF by assembled acetylene black for efficient hydrogen evolution reaction. <i>CrystEngComm</i> , <b>2018</b> , 20, 4804-4809	3-3	34
92	Polyoxometalate-Based Metal-Organic Framework on Carbon Cloth with a Hot-Pressing Method for High-Performance Lithium-Ion Batteries. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 11726-11731	5-1	34
91	An unprecedented (3,4,24)-connected heteropolyoxozincate organic framework as heterogeneous crystalline Lewis acid catalyst for biodiesel production. <i>Scientific Reports</i> , <b>2013</b> , 3, 2616	4-9	34
90	Hierarchically phosphorus doped bimetallic nitrides arrays with unique interfaces for efficient water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 470-480	21.8	34
89	Encapsulation of an iridium complex in a metal-organic framework to give a composite with efficient white light emission. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 547-552	6.8	32
88	Efficient Electrocatalyst for the Hydrogen Evolution Reaction Derived from Polyoxotungstate/Polypyrrole/Graphene. <i>ChemSusChem</i> , <b>2017</b> , 10, 2402-2407	8.3	31
87	Self-Assembly of a Phosphate-Centered Polyoxo-Titanium Cluster: Discovery of the Heteroatom Keggin Family. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17260-17264	16.4	31
86	Polyoxomolybdate-Polypyrrole/Reduced Graphene Oxide Nanocomposite as High-Capacity Electrodes for Lithium Storage. <i>ACS Omega</i> , <b>2017</b> , 2, 5684-5690	3-9	31
85	Bottom-Up Synthesis of Porous Coordination Frameworks: Apical Substitution of a Pentanuclear Tetrahedral Precursor. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 5395-5399	3.6	30
84	A Pair of Rare Three-Dimensional Chiral Polyoxometalate-Based Metal-Organic Framework Enantiomers Featuring Superior Performance as the Anode of Lithium-Ion Battery. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 4931-4938	6-1	29



83	Anion-directed genuine meso-helical supramolecular isomers of two 1D Ag(I) complexes based on arene-linked bis(pyrazolyl)methane ligands. <i>CrystEngComm</i> , <b>2010</b> , 12, 3458	3.3	29
82	Stepped Channels Integrated Lithium-Sulfur Separator via Photoinduced Multidimensional Fabrication of Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10147-10154	16.4	29
81	Highly active CoMoO <sub>4</sub> /NRGO composite as an efficient oxygen electrode for water-oxygen redox cycle. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18100-18106	13	28
80	Unprecedented interweaving of single-helical chains into a chiral metal-organic framework based on a flexible ligand. <i>CrystEngComm</i> , <b>2009</b> , 11, 1711	3.3	28
79	In situ growth of a POMOF-derived nitride based composite on Cu foam to produce hydrogen with enhanced water dissociation kinetics. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13559-13566	13	26
78	Engineering the Morphology and Configuration of Ternary Heterostructures for Improving Their Photocatalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 4516-22	9.5	26
77	Functional heterometallic coordination polymers with metalloligands as tunable luminescent crystalline materials. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 19673		26
76	Single Metal Site and Versatile Transfer Channel Merged into Covalent Organic Frameworks Facilitate High-Performance Li-CO Batteries. <i>ACS Central Science</i> , <b>2021</b> , 7, 175-182	16.8	26
75	Chloroplast-like porous bismuth-based core-shell structure for high energy efficiency CO <sub>2</sub> electroreduction. <i>Science Bulletin</i> , <b>2020</b> , 65, 1635-1642	10.6	25
74	Combination of POMs and deliberately designed macrocations: a rational approach for synthesis of POM-pillared metal-organic framework. <i>Dalton Transactions</i> , <b>2009</b> , 940-7	4.3	25
73	Self-Assembly of Giant Mo Hollow Opening Dodecahedra. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13982-13988	16.4	25
72	Recent progress and perspectives in heterogeneous photocatalytic CO <sub>2</sub> reduction through a solid-gas mode. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 438, 213906	23.2	25
71	A Well-Established POM-based Single-Crystal Proton-Conducting Model Incorporating Multiple Weak Interactions. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 2365-2369	4.8	23
70	pH-Tuned self-assembly of organic-inorganic hybrids based on different vanadate chains, Zn(II) ions and flexible ligands: crystallizing in polar and centrosymmetric space group. <i>CrystEngComm</i> , <b>2011</b> , 13, 779-786	3.3	23
69	Sulfur-containing bimetallic metal organic frameworks with multi-fold helix as anode of lithium ion batteries. <i>Dalton Transactions</i> , <b>2018</b> , 47, 4827-4832	4.3	21
68	Coordination environment dependent selectivity of single-site-Cu enriched crystalline porous catalysts in CO reduction to CH <sub>4</sub> . <i>Nature Communications</i> , <b>2021</b> , 12, 6390	17.4	21
67	Assembly of Two Mesoporous Anionic Metal-Organic Frameworks for Fluorescent Sensing of Metal Ions and Organic Dyes Separation. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 167-174	5.1	21
66	Electrochemical monitoring of an important biomarker and target protein: VEGFR2 in cell lysates. <i>Scientific Reports</i> , <b>2014</b> , 4, 3982	4.9	20

65	Multipoint interactions enhanced H <sub>2</sub> storage and organosulfur removal in a microporous metal-organic framework. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 11111	13	20
64	Polyoxometalate-Decorated g-C <sub>3</sub> N <sub>4</sub> -Wrapping Snowflake-Like CdS Nanocrystal for Enhanced Photocatalytic Hydrogen Evolution. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 15930-15936	4.8	19
63	Exploring the Influence of Halogen Coordination Effect of Stable Bimetallic MOFs on Oxygen Evolution Reaction. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 15830-15836	4.8	19
62	Theoretical and experimental studies on three water-stable, paddlewheel based semiconducting metal-organic frameworks. <i>Dalton Transactions</i> , <b>2017</b> , 46, 8204-8218	4.3	18
61	SbSI Nanocrystals: An Excellent Visible Light Photocatalyst with Efficient Generation of Singlet Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12166-12175	8.3	18
60	Formation of a mixed-valence Cu(i)/Cu(ii) metal-organic framework with the full light spectrum and high selectivity of CO photoreduction into CH <sub>4</sub> . <i>Chemical Science</i> , <b>2020</b> , 11, 10143-10148	9.4	18
59	Self-assembly of polyoxometalate/reduced graphene oxide composites induced by ionic liquids as a high-rate cathode for batteries: Killing two birds with one stone. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1743-1750	13	18
58	Rapid Production of Metal-Organic Frameworks Based Separators in Industrial-Level Efficiency. <i>Advanced Science</i> , <b>2020</b> , 7, 2002190	13.6	17
57	Redox-active polyoxometalate-based crystalline material-immobilized noble metal nanoparticles: spontaneous reduction and synergistic catalytic activity. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 21040		17
56	Two new pseudo-isomeric nickel (II) metal-organic frameworks with efficient electrocatalytic activity toward methanol oxidation. <i>Rare Metals</i> , <b>2021</b> , 40, 489-498	5.5	17
55	Single-Atom Zinc and Anionic Framework as Janus Separator Coatings for Efficient Inhibition of Lithium Dendrites and Shuttle Effect. <i>ACS Nano</i> , <b>2021</b> ,	16.7	17
54	Intermediate-Temperature Anhydrous High Proton Conductivity Triggered by Dynamic Molecular Migration in Trinuclear Cluster Lattice. <i>Chem</i> , <b>2020</b> , 6, 2272-2282	16.2	16
53	Polyoxometalate-Based Compounds for Photo- and Electrocatalytic Applications. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20963-20977	3.6	16
52	Semiconductor/Covalent-Organic-Framework Z-Scheme Heterojunctions for Artificial Photosynthesis. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6562-6568	3.6	16
51	Confining and Highly Dispersing Single Polyoxometalate Clusters in Covalent Organic Frameworks by Covalent Linkages for CO Photoreduction. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	16
50	Polyoxometalate-pillared metal-organic frameworks synthesized by surfactant-assisted strategy and incorporated with carbon nanotubes for energy storage. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 25316-25322	13	15
49	Self-Assembly of Hydroxyl Metal-Organic Polyhedra and Polymer into Cu-Based Hollow Spheres for Product-Selective CO <sub>2</sub> Electroreduction. <i>Small Structures</i> , <b>2021</b> , 2, 2100012	8.7	15
48	Implanting Numerous Hydrogen-Bonding Networks in a Cu-Porphyrin-Based Nanosheet to Boost CH <sub>4</sub> Selectivity in Neutral-Media CO Electroreduction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 21952-21958	16.4	15

47	Polyoxometalate-assisted fabrication of the Pd nanoparticle/reduced graphene oxide nanocomposite with enhanced methanol-tolerance for the oxygen reduction reaction. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 914-918	3.6	14
46	Investigation of the Enhanced Lithium Battery Storage in a Polyoxometalate Model: From Solid Spheres to Hollow Balls. <i>Small Methods</i> , <b>2018</b> , 2, 1800154	12.8	14
45	Calix[8]arene-constructed stable polyoxo-titanium clusters for efficient CO <sub>2</sub> photoreduction. <i>Green Chemistry</i> , <b>2020</b> , 22, 5325-5332	10	14
44	Rational Electrolyte Design to Form InorganicPolymeric Interphase on Silicon-Based Anodes. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 1811-1820	20.1	13
43	Efficient Charge Migration in Chemically-Bonded Prussian Blue Analogue/CdS with Beaded Structure for Photocatalytic H Evolution. <i>Jacs Au</i> , <b>2021</b> , 1, 212-220		13
42	Stable Heterometallic Cluster-Based Organic Framework Catalysts for Artificial Photosynthesis. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 2681-2685	3.6	12
41	Stable Dioxin-Linked Metallophthalocyanine Covalent Organic Frameworks (COFs) as Photo-Coupled Electrocatalysts for CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 4914-4921	3.6	12
40	Proton conductivity resulting from different triazole-based ligands in two new bifunctional decavanadates.. <i>RSC Advances</i> , <b>2018</b> , 8, 18560-18566	3.7	12
39	Monoclinic Copper(I) Selenide Nanocrystals and Copper(I) Selenide/Palladium Heterostructures: Synthesis, Characterization, and Surface-Enhanced Raman Scattering Performance. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 2229-2236	2.3	11
38	Ferrocene-Functionalized Polyoxo-Titanium Cluster for CO <sub>2</sub> Photoreduction. <i>ACS Catalysis</i> , <b>2021</b> , 11, 4510-4519	13.1	11
37	Identification of the activity source of CO electroreduction by strategic catalytic site distribution in stable supramolecular structure system. <i>National Science Review</i> , <b>2021</b> , 8, nwa195	10.8	11
36	Versatile Synthesis of PdM (M=Cr, Mo, W) Alloy Nanosheets Flower-like Superstructures for Efficient Oxygen Reduction Electrocatalysis. <i>ChemCatChem</i> , <b>2020</b> , 12, 4138-4148	5.2	10
35	Exfoliation of covalent organic frameworks into MnO <sub>2</sub> -loaded ultrathin nanosheets as efficient cathode catalysts for Li-CO <sub>2</sub> batteries. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100392	6.1	10
34	Pre-design of Catalytically Active Sites via Stable Coordination Cluster Model System for Electroreduction of CO to Ethylene. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 26210-26217	16.4	10
33	A stable polyoxometalate-based porous coordination polymer with high proton conductivity. <i>CrystEngComm</i> , <b>2018</b> , 20, 6077-6081	3.3	8
32	A novel 3-connected [3 + 3] topological net showing both rotaxane- and catenane-like motifs. <i>CrystEngComm</i> , <b>2011</b> , 13, 4945	3.3	8
31	A 3D interconnected metal-organic framework-derived solid-state electrolyte for dendrite-free lithium metal battery. <i>Energy Storage Materials</i> , <b>2022</b> , 47, 262-262	19.4	8
30	Imparting CO <sub>2</sub> Electroreduction Auxiliary for Integrated Morphology Tuning and Performance Boosting in a Porphyrin-based Covalent Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 61, e202114648	16.4	8

29	Partial Coordination-Perturbed Bi-Copper Sites for Selective Electroreduction of CO to Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19829-19835	16.4	8
28	Controllable Synthesis of COFs-Based Multicomponent Nanocomposites from Core-Shell to Yolk-Shell and Hollow-Sphere Structure for Artificial Photosynthesis. <i>Advanced Materials</i> , <b>2021</b> , 33, e2105002	24.0	8
27	Self-Assembly of a Phosphate-Centered Polyoxo-Titanium Cluster: Discovery of the Heteroatom Keggin Family. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17420-17424	3.6	7
26	Anthraquinone Covalent Organic Framework Hollow Tubes as Binder Microadditives in Li-S Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	7
25	Efficient Electron Transfer from Electron-Sponge Polyoxometalate to Single-Metal Site Metal-Organic Frameworks for Highly Selective Electroreduction of Carbon Dioxide. <i>Small</i> , <b>2021</b> , 17, e2100762	11	7
24	Self-assembly of anthraquinone covalent organic frameworks as 1D superstructures for highly efficient CO <sub>2</sub> electroreduction to CH <sub>4</sub> . <i>Science Bulletin</i> , <b>2021</b> , 66, 1659-1659	10.6	7
23	In situ synthesis of porous ZnO-embedded Zn <sub>1-x</sub> Cd <sub>x</sub> S/CdS heterostructures for enhanced photocatalytic activity. <i>CrystEngComm</i> , <b>2016</b> , 18, 1446-1452	3.3	6
22	Implanting Polypyrrole in Metal-Porphyrin MOFs: Enhanced Electrocatalytic Performance for CORR. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 54959-54966	9.5	6
21	A well-defined dual Mn-site based metal-organic framework to promote CO reduction/evolution in Li-CO batteries. <i>Chemical Communications</i> , <b>2021</b> ,	5.8	6
20	Two new silver triazole frameworks with polyoxometalate templates. <i>RSC Advances</i> , <b>2016</b> , 6, 108328-108334	9.7	5
19	Theoretical Studies on Electronic Spectra and Second-order Nonlinear Optical Properties of Glucosyl Substituted Barbituric Acid Derivatives. <i>Chinese Journal of Chemistry</i> , <b>2006</b> , 24, 119-123	4.9	5
18	Self-assembly of single metal sites embedded covalent organic frameworks into multi-dimensional nanostructures for efficient CO <sub>2</sub> electroreduction. <i>Chinese Chemical Letters</i> , <b>2021</b> ,	8.1	5
17	Design of Crystalline Reduction-Oxidation Cluster-Based Catalysts for Artificial Photosynthesis. <i>Jacs Au</i> , <b>2021</b> , 1, 1288-1295		4
16	Single-metal site-embedded conjugated macrocyclic hybrid catalysts enable boosted CO <sub>2</sub> reduction and evolution kinetics in Li-CO <sub>2</sub> batteries. <i>Cell Reports Physical Science</i> , <b>2021</b> , 100583	6.1	4
15	Constructing crystalline redox catalyst to achieve efficient CO <sub>2</sub> photoreduction reaction in water vapor. <i>Chemical Engineering Journal</i> , <b>2022</b> , 442, 136157	14.7	4
14	Overall Water Splitting: Cobalt Phosphides Nanocrystals Encapsulated by P-Doped Carbon and Married with P-Doped Graphene for Overall Water Splitting (Small 10/2019). <i>Small</i> , <b>2019</b> , 15, 1970052	11	3
13	Axial Cl/Br atom-mediated CO electroreduction performance in a stable porphyrin-based metal-organic framework. <i>Chemical Communications</i> , <b>2020</b> , 56, 14817-14820	5.8	3
12	Superprotonic Conductivity of a Functionalized Metal-Organic Framework at Ambient Conditions.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	2

11	Establishing spatially elastic hydrogen-bonding interaction in electrochemical process for selective CO <sub>2</sub> -to-CH <sub>4</sub> conversion. <i>Chem Catalysis</i> , <b>2021</b> , 1, 1133-1144		2
10	Construction of an Electron Bridge in Polyoxometalates/Graphene Oxide Ultrathin Nanosheets To Boost the Lithium Storage Performance. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 16968-16977	4.1	2
9	Stepped Channels Integrated Lithium-Sulfur Separator via Photoinduced Multidimensional Fabrication of Metal-Organic Frameworks. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10235-10242	3.6	2
8	Partial Coordination-Perturbed Bi-Copper Sites for Selective Electroreduction of CO <sub>2</sub> to Hydrocarbons. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 19982-19988	3.6	2
7	Implanting Numerous Hydrogen-Bonding Networks in a Cu-Porphyrin-Based Nanosheet to Boost CH <sub>4</sub> Selectivity in Neutral-Media CO <sub>2</sub> Electroreduction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 22123-22129	3.6	2
6	Crystalline Porous Materials-based Solid-State Electrolytes for Lithium Metal Batteries. <i>EnergyChem</i> , <b>2022</b> , 100073	36.9	2
5	A nanoscaled Au-florseradish peroxidase composite fabricated by an interface reaction and its characterization, immobilization and biosensing. <i>Analytical Methods</i> , <b>2015</b> , 7, 3466-3471	3.2	1
4	Synthesis of Surface-Mounted Novel Nickel(II) Trimer-Based MOF on Nickel Oxide Hydroxide Heterostructures for Enhanced Methanol Electro-Oxidation.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 780688	5	0
3	Carbon Dioxide Electroreduction: Efficient Electron Transfer from Electron-Sponge Polyoxometalate to Single-Metal Site Metal-Organic Frameworks for Highly Selective Electroreduction of Carbon Dioxide (Small 20/2021). <i>Small</i> , <b>2021</b> , 17, 2170095	11	0
2	Rücktitelbild: Surfactant-Assisted Phase-Selective Synthesis of New Cobalt MOFs and Their Efficient Electrocatalytic Hydrogen Evolution Reaction (Angew. Chem. 42/2017). <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13332-13332	3.6	
1	Innentitelbild: Exploring the Performance Improvement of the Oxygen Evolution Reaction in a Stable Bimetal-Organic Framework System (Angew. Chem. 31/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9702-9702	3.6	