

Nanomaterials derived from metal-organic frameworks

Nature Reviews Materials

3,

DOI: [10.1038/natrevmats.2017.75](https://doi.org/10.1038/natrevmats.2017.75)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Atomically Dispersed Metal Sites in MOF-Based Materials for Electrocatalytic and Photocatalytic Energy Conversion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9604-9633.	7.2	452
2	Atomar dispergierte Metallzentren in Metallorganischen Gerüststrukturen für die elektrokatalytische und photokatalytische Energieumwandlung. <i>Angewandte Chemie</i> , 2018, 130, 9750-9780.	1.6	58
3	Metal-organic framework-derived porous materials for catalysis. <i>Coordination Chemistry Reviews</i> , 2018, 362, 1-23.	9.5	737
4	ZIF-8 with Ferrocene Encapsulated: A Promising Precursor to Single-Atom Fe Embedded Nitrogen-Doped Carbon as Highly Efficient Catalyst for Oxygen Electroreduction. <i>Small</i> , 2018, 14, e1704282.	5.2	202
5	Trapping [PMo ₁₂ O ₄₀] ³⁻ clusters into pre-synthesized ZIF-67 toward Mo _x Co _x C particles confined in uniform carbon polyhedrons for efficient overall water splitting. <i>Chemical Science</i> , 2018, 9, 4746-4755.	3.7	189
6	Ultrahigh-content nitrogen-decorated nanoporous carbon derived from metal organic frameworks and its application in supercapacitors. <i>Electrochimica Acta</i> , 2018, 271, 599-607.	2.6	65
7	Metal-organic framework-derived one-dimensional porous or hollow carbon-based nanofibers for energy storage and conversion. <i>Materials Horizons</i> , 2018, 5, 394-407.	6.4	452
8	Precursor-Based Synthesis of Porous Colloidal Particles towards Highly Efficient Catalysts. <i>Chemistry - A European Journal</i> , 2018, 24, 10280-10290.	1.7	9
9	Quasi-MOF: Exposing Inorganic Nodes to Guest Metal Nanoparticles for Drastically Enhanced Catalytic Activity. <i>CheM</i> , 2018, 4, 845-856.	5.8	165
10	Metal-organic framework derived Fe/Fe ₃ C@N-doped-carbon porous hierarchical polyhedrons as bifunctional electrocatalysts for hydrogen evolution and oxygen-reduction reactions. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 93-101.	5.0	83
11	Room-Temperature Electrochemical Conversion of Metal-Organic Frameworks into Porous Amorphous Metal Sulfides with Tailored Composition and Hydrogen Evolution Activity. <i>Advanced Functional Materials</i> , 2018, 28, 1707244.	7.8	112
12	Fabrication of nitrogen and sulfur co-doped hollow cellular carbon nanocapsules as efficient electrode materials for energy storage. <i>Energy Storage Materials</i> , 2018, 13, 72-79.	9.5	83
13	Metal-organic-framework derived carbon polyhedron and carbon nanotube hybrids as electrode for electrochemical supercapacitor and capacitive deionization. <i>Electrochimica Acta</i> , 2018, 263, 85-93.	2.6	121
14	Electrooxidation of Pd-Cu NP loaded porous carbon derived from a Cu-MOF. <i>RSC Advances</i> , 2018, 8, 1803-1807.	1.7	15
15	Metal-Organic Framework Derived Core-Shell Co/Co ₃ O ₄ @N-C Nanocomposites as High Performance Anode Materials for Lithium Ion Batteries. <i>Inorganic Chemistry</i> , 2018, 57, 4620-4628.	1.9	86
16	MOF-derived nanohybrids for electrocatalysis and energy storage: current status and perspectives. <i>Chemical Communications</i> , 2018, 54, 5268-5288.	2.2	237
17	N-Doped hierarchically porous carbon derived from heterogeneous core-shell ZIF-L(Zn)@ZIF-67 for supercapacitor application. <i>New Journal of Chemistry</i> , 2018, 42, 6719-6726.	1.4	53
18	Selenium clusters in Zn-glutamate MOF derived nitrogen-doped hierarchically radial-structured microporous carbon for advanced rechargeable Na-Se batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22790-22797.	5.2	62

#	ARTICLE	IF	CITATIONS
19	A multidimensional In ₂ S ₃ –CuInS ₂ heterostructure for photocatalytic carbon dioxide reduction. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 3163-3169.	3.0	67
20	Fast Dehydrogenation of Formic Acid over Palladium Nanoparticles Immobilized in Nitrogen-Doped Hierarchically Porous Carbon. <i>ACS Catalysis</i> , 2018, 8, 12041-12045.	5.5	158
21	Scandium-organic frameworks: progress and prospects. <i>Russian Chemical Reviews</i> , 2018, 87, 1139-1167.	2.5	46
22	Solvent mediated morphology control of zinc MOFs as carbon templates for application in supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23521-23530.	5.2	61
23	A Metal–Organic Framework-Derived g-C ₃ N ₄ /Fe ₂ O ₃ Hybrid for Enhanced Visible-Light-Driven Photocatalytic Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2019, 25, 2330-2336.	1.7	38
24	Self-assembly of POSS-Containing Materials. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , 45-128.	0.5	3
25	Metal–Organic Framework-Derived Sea-Cucumber-like FeS ₂ @C Nanorods with Outstanding Pseudocapacitive Na-Ion Storage Properties. <i>ACS Applied Energy Materials</i> , 2018, 1, 6234-6241.	2.5	47
26	MOF-Derived CoP Nanoparticles Embedded in Nitrogen-Doped Porous Carbon Polyhedrons for Nanomolar Sensing of p-Nitrophenol. <i>ACS Applied Nano Materials</i> , 2018, 1, 5843-5853.	2.4	62
27	Insight into Fe(Salen) Encapsulated Co-Porphyrin Framework Derived Thin Film for Efficient Oxygen Evolution Reaction. <i>Crystal Growth and Design</i> , 2018, 18, 7150-7157.	1.4	18
28	Hollow Porous Heterometallic Phosphide Nanocubes for Enhanced Electrochemical Water Splitting. <i>Small</i> , 2018, 14, e1802442.	5.2	166
29	Bimetallic Hofmann-Type Metal–Organic Framework Nanoparticles for Efficient Electrocatalysis of Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 0, , .	2.5	22
30	MoS ₂ supported on MOF-derived carbon with core-shell structure as efficient electrocatalysts for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 20538-20545.	3.8	128
31	Trimetallic Sulfide Mesoporous Nanospheres as Superior Electrocatalysts for Rechargeable Zn–Air Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801839.	10.2	101
32	Polymer Brush Decorated MOF Nanoparticles Loaded with AlEgen, Anticancer Drug, and Supramolecular Glue for Regulating and In Situ Observing DOX Release. <i>Macromolecular Bioscience</i> , 2018, 18, e1800317.	2.1	15
33	Superlong Single-Crystal Metal–Organic Framework Nanotubes. <i>Journal of the American Chemical Society</i> , 2018, 140, 15393-15401.	6.6	230
34	Two-Dimensional NiSe ₂ /N-Rich Carbon Nanocomposites Derived from Ni-Hexamine Frameworks for Superb Na-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34193-34201.	4.0	110
35	Metal Nanoparticle-Catalyzed Hydrogen Generation from Liquid Chemical Hydrides. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1606-1617.	2.0	40
36	Two-dimensional materials for miniaturized energy storage devices: from individual devices to smart integrated systems. <i>Chemical Society Reviews</i> , 2018, 47, 7426-7451.	18.7	384

#	ARTICLE	IF	CITATIONS
37	An inorganic-MOF-inorganic approach to ultrathin CuO decorated Cu ²⁺ /C hybrid nanorod arrays for an efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19176-19181.	5.2	65
38	Six Isomorphous Window-Beam MOFs: Explore the Effects of Metal Ions on MOF-Derived Carbon for Supercapacitors. <i>Chemistry - A European Journal</i> , 2018, 24, 16160-16169.	1.7	40
39	Highly Nitrogen-Doped Porous Carbon Derived from Zeolitic Imidazolate Frameworks for CO ₂ Capture. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2069-2076.	1.7	39
40	Energy-Saving Synthesis of MOF-Derived Hierarchical and Hollow Co(VO ₃) ₂ -Co(OH) ₂ Composite Leaf Arrays for Supercapacitor Electrode Materials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18440-18444.	4.0	107
41	2D Zn-Hexamine Coordination Frameworks and Their Derived N-Rich Porous Carbon Nanosheets for Ultrafast Sodium Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1800569.	10.2	150
42	Efficient gel route to embed phosphorus into MOF-derived porous FeP _x as anodes for high performance lithium-ion batteries. <i>Energy Storage Materials</i> , 2018, 14, 367-375.	9.5	43
43	First-principles design of bifunctional oxygen reduction and evolution catalysts through bimetallic centers in metal-organic frameworks. <i>Catalysis Science and Technology</i> , 2018, 8, 3666-3674.	2.1	21
44	A Polyoxometalate-Based Metal-Organic Framework-Derived FeP/MoP Hybrid Encapsulated in N/P Dual-Doped Carbon as Efficient Electrocatalyst for Hydrogen Evolution. <i>Crystal Growth and Design</i> , 2018, 18, 4265-4269.	1.4	29
45	Pomegranate-like molybdenum phosphide@phosphorus-doped carbon nanospheres coupled with carbon nanotubes for efficient hydrogen evolution reaction. <i>Carbon</i> , 2018, 139, 234-240.	5.4	55
46	From synthesis to applications: Metal-organic frameworks for an environmentally sustainable future. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 12, 47-56.	3.2	33
47	The Development of Yolk-Shell-Structured Pd&ZnO@Carbon Submicroreactors with High Selectivity and Stability. <i>Advanced Functional Materials</i> , 2018, 28, 1801737.	7.8	78
48	ZIF-67 as Continuous Self-Sacrifice Template Derived NiCo ₂ O ₄ /Co,N-CNTs Nanocages as Efficient Bifunctional Electrocatalysts for Rechargeable Zn-Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10021-10029.	3.2	90
49	Kinetically controlled synthesis of MOF nanostructures: single-holed hollow core-shell ZnCoS@Co ₉ S ₈ /NC for ultra-high performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14083-14090.	5.2	126
50	Derivatives of coordination compounds for rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13999-14024.	5.2	58
51	Facile synthesis of metal-organic framework-derived Co ₃ O ₄ with different morphologies coated graphene foam as integrated anodes for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 768, 1049-1057.	2.8	86
52	Well-aligned metal-organic framework array-derived CoS ₂ nanosheets toward robust electrochemical water splitting. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1732-1738.	3.2	41
53	Three-dimensionally hierarchical Co ₃ O ₄ /Carbon composites with high pseudocapacitance contribution for enhancing lithium storage. <i>Electrochimica Acta</i> , 2018, 283, 1269-1276.	2.6	34
54	Metal-Organophosphine Framework-Derived N,P-Codoped Carbon-Confined Cu ₃ P Nanoparticles for Superb Na-Ion Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1801489.	10.2	92

#	ARTICLE	IF	CITATIONS
55	Thermal-exfoliated synthesis of N-rich carbon-based nanosheets from layered bulk crystals of a metal-organic hexamine framework. <i>Chemical Communications</i> , 2018, 54, 9825-9828.	2.2	24
56	Key Single-Atom Electrocatalysis in Metal-Organic Framework (MOF)-Derived Bifunctional Catalysts. <i>ChemSusChem</i> , 2018, 11, 3473-3479.	3.6	71
57	Metal/covalent-organic frameworks-based electrocatalysts for water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15905-15926.	5.2	258
58	Strategically Designed Zeolitic Imidazolate Frameworks for Controlling the Degree of Graphitization. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1474-1480.	2.0	38
59	Metal-Organic Framework-Derived Co ₃ S ₄ Hollow Nanoboxes for the Selective Reduction of Nitroarenes. <i>ChemSusChem</i> , 2018, 11, 3131-3138.	3.6	40
60	Few-Layered WS ₂ Nanoplates Confined in Co, N-Doped Hollow Carbon Nanocages: Abundant WS ₂ Edges for Highly Sensitive Gas Sensors. <i>Advanced Functional Materials</i> , 2018, 28, 1802575.	7.8	93
61	MOF-Derived Cu@Cu ₂ O Nanocatalyst for Oxygen Reduction Reaction and Cycloaddition Reaction. <i>Nanomaterials</i> , 2018, 8, 138.	1.9	62
62	Multi-Level Architecture Optimization of MOF-Templated Co-Based Nanoparticles Embedded in Hollow N-Doped Carbon Polyhedra for Efficient OER and ORR. <i>ACS Catalysis</i> , 2018, 8, 7879-7888.	5.5	394
63	MOF-derived sponge-like hierarchical porous carbon for flexible all-solid-state supercapacitors. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1692-1699.	3.2	48
64	CoZn-ZIF-derived ZnCo ₂ O ₄ -framework for the synthesis of alcohols from glycerol. <i>Green Chemistry</i> , 2018, 20, 4299-4307.	4.6	25
65	Bimetallic MOF-Derived FeCo@P/C Nanocomposites as Efficient Catalysts for Oxygen Evolution Reaction. <i>Small Methods</i> , 2018, 2, 1800214.	4.6	147
66	Carbon-Supported Single Atom Catalysts for Electrochemical Energy Conversion and Storage. <i>Advanced Materials</i> , 2018, 30, e1801995.	11.1	479
67	Hierarchically porous adamantane-shaped carbon nanoframes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18906-18911.	5.2	29
68	Metal-Organic Framework Nanoparticles. <i>Advanced Materials</i> , 2018, 30, e1800202.	11.1	539
69	Feasible Defect Engineering by Employing Metal Organic Framework Templates into One-Dimensional Metal Oxides for Battery Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20540-20549.	4.0	46
70	Exploring Fe-N for Peroxide Reduction: Template-Free Synthesis of Fe-N Traumatized Mesoporous Carbon Nanotubes as an ORR Catalyst in Acidic and Alkaline Solutions. <i>Chemistry - A European Journal</i> , 2018, 24, 10630-10635.	1.7	79
71	Anchoring metal-organic framework nanoparticles on graphitic carbon nitrides for solar-driven photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2018, 455, 403-409.	3.1	108
72	Air and moisture stable covalently-bonded tin coordination polymers. <i>Dalton Transactions</i> , 2018, 47, 8013-8022.	1.6	20

#	ARTICLE	IF	CITATIONS
73	Uniformly self-decorated Co ₃ O ₄ nanoparticles on N, S co-doped carbon layers derived from a camphor sulfonic acid and metal-organic framework hybrid as an oxygen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12106-12114.	5.2	36
74	Self-template construction of nanoporous carbon nanorods from a metal-organic framework for supercapacitor electrodes. <i>RSC Advances</i> , 2018, 8, 20655-20660.	1.7	13
75	Lewis-Basic Lanthanide Metal-Organic Framework-Derived Versatile Multi-Active-Site Synergistic Catalysts for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22023-22030.	4.0	39
76	PVP-assisted transformation of a metal-organic framework into Co-embedded N-enriched meso/microporous carbon materials as bifunctional electrocatalysts. <i>Chemical Communications</i> , 2018, 54, 7519-7522.	2.2	160
77	Metal-Organic Frameworks for Energy. <i>Advanced Energy Materials</i> , 2019, 9, 1801307.	10.2	160
78	Core-shell materials for advanced batteries. <i>Chemical Engineering Journal</i> , 2019, 355, 208-237.	6.6	156
79	Recent Advances of MOFs and MOF-Derived Materials in Thermally Driven Organic Transformations. <i>Chemistry - A European Journal</i> , 2019, 25, 2161-2178.	1.7	81
80	Inorganic Perovskite-Induced Synergy on Highly Selective Pd-Catalyzed Hydrogenation of Cinnamaldehyde. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32994-33005.	4.0	26
81	Levulinic Acid Derived Reusable Cobalt-Nanoparticles-Catalyzed Sustainable Synthesis of Î³-Valerolactone. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14756-14764.	3.2	42
82	Highly efficient removal of both cationic and anionic dyes from wastewater with a water-stable and eco-friendly Fe-MOF via host-guest encapsulation. <i>Journal of Cleaner Production</i> , 2019, 239, 117767.	4.6	75
83	In Situ Synthesis and Performance of Aluminum Fumarate Metal-Organic Framework Monolithic Adsorbent for Water Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15712-15720.	1.8	19
84	Fabrication of Magnetic Pd/MOF Hollow Nanospheres with Double-Shell Structure: Toward Highly Efficient and Recyclable Nanocatalysts for Hydrogenation Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32251-32260.	4.0	74
85	Core-shell-type ZIF-8@ZIF-67@POM hybrids as efficient electrocatalysts for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2514-2520.	3.0	113
86	Mechanically interlocked materials. Rotaxanes and catenanes beyond the small molecule. <i>Chemical Society Reviews</i> , 2019, 48, 5016-5032.	18.7	178
87	Stable Iron Hydroxide Nanosheets@Cobalt-Metal-Organic Framework Heterostructure for Efficient Electrocatalytic Oxygen Evolution. <i>ChemSusChem</i> , 2019, 12, 4623-4628.	3.6	46
88	Phosphate-Mediated Immobilization of High-Performance AuPd Nanoparticles for Dehydrogenation of Formic Acid at Room Temperature. <i>Advanced Functional Materials</i> , 2019, 29, 1903341.	7.8	68
89	A Perspective on Recent Advances in 2D Stanene Nanosheets. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900752.	1.9	54
90	Cobalt-Nanoparticles Catalyzed Efficient and Selective Hydrogenation of Aromatic Hydrocarbons. <i>ACS Catalysis</i> , 2019, 9, 8581-8591.	5.5	52

#	ARTICLE	IF	CITATIONS
91	Size-Related Electrochemical Performance in Active Carbon Nanostructures: A MOFs-Derived Carbons Case Study. <i>Advanced Science</i> , 2019, 6, 1901517.	5.6	34
92	Effect of thermolysis condition on characteristics and nonsteroidal anti-inflammatory drugs (NSAIDs) absorbability of Fe-MIL-88B-derived mesoporous carbons. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103356.	3.3	35
93	A novel Cu-nanowire@Quasi-MOF mild pyrolysis of a bimetal-MOF for the selective oxidation of benzyl alcohol in air. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2363-2373.	3.2	42
94	Preserving Porosity of Mesoporous Metal-Organic Frameworks through the Introduction of Polymer Guests. <i>Journal of the American Chemical Society</i> , 2019, 141, 12397-12405.	6.6	68
95	Porous ceramic nanofibers as new catalysts toward heterogeneous reactions. <i>Composites Communications</i> , 2019, 15, 168-178.	3.3	39
96	Nitrogen-rich carbon-onion-constructed nanosheets: an ultrafast and ultrastable dual anode material for sodium and potassium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18499-18509.	5.2	64
97	Yolk-shell-structured zinc-cobalt binary metal sulfide @ N-doped carbon for enhanced lithium-ion storage. <i>Nano Energy</i> , 2019, 64, 103899.	8.2	93
98	Nitrogen-doped porous carbon-based fluorescence sensor for the detection of ZIKV RNA sequences: fluorescence image analysis. <i>Talanta</i> , 2019, 205, 120091.	2.9	21
99	A strategy of two-step tandem catalysis towards direct N-alkylation of nitroarenes with ethanol via facile fabricated novel Co-based catalysts derived from coordination polymers. <i>Journal of Catalysis</i> , 2019, 376, 106-118.	3.1	18
100	Nitrogen-doped porous carbon sponge-confined ZnO quantum dots for metal collector-free lithium ion battery. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113275.	1.9	10
101	Multishell Hollow Metal/Nitrogen/Carbon Dodecahedrons with Precisely Controlled Architectures and Synergistically Enhanced Catalytic Properties. <i>ACS Nano</i> , 2019, 13, 7800-7810.	7.3	143
102	Metal-Organic Framework Composites for Catalysis. <i>Matter</i> , 2019, 1, 57-89.	5.0	308
103	Novel ZnCdS Quantum Dots Engineering for Enhanced Visible-Light-Driven Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13805-13814.	3.2	66
104	MOF-Derived Isolated Fe Atoms Implanted in N-Doped 3D Hierarchical Carbon as an Efficient ORR Electrocatalyst in Both Alkaline and Acidic Media. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25976-25985.	4.0	196
105	ZIF-67 Derived Hollow Structured Co ₃ O ₄ Nanocatalysts: Tunable Synthetic Strategy Induced Enhanced Catalytic Performance. <i>Catalysis Letters</i> , 2019, 149, 3058-3065.	1.4	12
106	Micro-Blooming: Hierarchically Porous Nitrogen-Doped Carbon Flowers Derived from Metal-Organic Mesocrystals. <i>Small</i> , 2019, 15, e1901986.	5.2	40
107	High stability of ultra-small and isolated gold nanoparticles in metal-organic framework materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17536-17546.	5.2	41
108	Heterogeneously Chemo/Enzyme-Functionalized Porous Polymeric Catalysts of High-Performance for Efficient Biodiesel Production. <i>ACS Catalysis</i> , 2019, 9, 10990-11029.	5.5	88

#	ARTICLE	IF	CITATIONS
109	Facile Exfoliation of Single-Crystalline Copper Alkylphosphates to Single-Layer Nanosheets and Enhanced Supercapacitance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16844-16849.	7.2	18
110	Co/Co ₃ O ₄ Nanoparticles Coupled with Hollow Nanoporous Carbon Polyhedrons for the Enhanced Electrochemical Sensing of Acetaminophen. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18582-18592.	3.2	62
111	MOF-derived Co ₃ O ₄ nanosheets rich in oxygen vacancies for efficient all-solid-state symmetric supercapacitors. <i>Electrochimica Acta</i> , 2019, 328, 135103.	2.6	86
112	Two-dimensional transition-metal dichalcogenides for electrochemical hydrogen evolution reaction. <i>FlatChem</i> , 2019, 18, 100140.	2.8	39
113	Metal-organic frameworks: a promising platform for constructing non-noble electrocatalysts for the oxygen-reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1964-1988.	5.2	165
114	A New Three-dimensional Metal-organic Framework based on Dinuclear Rare Earth Cluster and Olsalazine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 1267-1270.	0.6	8
115	Ag ₂ S decorated nanocubes with enhanced near-infrared photothermal and photodynamic properties for rapid sterilization. <i>Colloids and Interface Science Communications</i> , 2019, 33, 100201.	2.0	44
116	Redox Tuning in Crystalline and Electronic Structure of Bimetal-Organic Frameworks Derived Cobalt/Nickel Boride/Sulfide for Boosted Faradaic Capacitance. <i>Advanced Materials</i> , 2019, 31, e1905744.	11.1	158
117	Facile Exfoliation of Single-Crystalline Copper Alkylphosphates to Single-Layer Nanosheets and Enhanced Supercapacitance. <i>Angewandte Chemie</i> , 2019, 131, 17000-17005.	1.6	6
118	Subnano Amorphous Fe-Based Clusters with High Mass Activity for Efficient Electrocatalytic Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41432-41439.	4.0	18
119	General Synthesis of Mixed Semiconducting Metal Oxide Hollow Spheres with Tunable Compositions for Low-Temperature Chemiresistive Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35060-35067.	4.0	29
120	Ordered Macro-Microporous Metal-Organic Framework Single Crystals and Their Derivatives for Rechargeable Aluminum-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 14764-14771.	6.6	226
121	Sb ₂ S ₃ Nanoparticles Anchored or Encapsulated by the Sulfur-Doped Carbon Sheet for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33966-33977.	4.0	44
122	MOF-derived hierarchical core-shell hollow iron-cobalt sulfides nanoarrays on Ni foam with enhanced electrochemical properties for high energy density asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2019, 323, 134826.	2.6	154
123	Tuning Protein Frameworks via Auxiliary Supramolecular Interactions. <i>ACS Nano</i> , 2019, 13, 10343-10350.	7.3	40
124	Solvothermal synthesis of CuCoO ₂ nanoplates using zeolitic imidazolate framework-67 (ZIF-67) as a co-derived precursor. <i>New Journal of Chemistry</i> , 2019, 43, 15233-15239.	1.4	18
125	Controllable synthesis of polyhedral Au@Co ₃ O ₄ electrode for high performance supercapacitors. <i>Materials Letters</i> , 2019, 255, 126534.	1.3	15
126	Polarity-assisted formation of hollow-frame sheathed nitrogen-doped nanofibrous carbon for supercapacitors. <i>Nanoscale</i> , 2019, 11, 2492-2500.	2.8	62

#	ARTICLE	IF	CITATIONS
127	TiO ₂ and Co Nanoparticle-Decorated Carbon Polyhedra as Efficient Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>Small</i> , 2019, 15, e1804533.	5.2	67
128	Nitrogen and oxygen dual-doped porous carbon derived from natural ficus microcarpas as host for high performance lithium-sulfur batteries. <i>Materials Research Bulletin</i> , 2019, 113, 70-76.	2.7	26
129	Soft material nanoarchitectonics at interfaces: molecular assembly, nanomaterial synthesis, and life control. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 49-64.	1.7	30
130	From ZIF nanoparticles to hierarchically porous carbon: toward very high surface area and high-performance supercapacitor electrode materials. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 32-39.	3.0	14
131	Controllable nitrogen-doping of nanoporous carbons enabled by coordination frameworks. <i>Journal of Materials Chemistry A</i> , 2019, 7, 647-656.	5.2	43
132	A 2D metal-organic framework/Ni(OH) ₂ heterostructure for an enhanced oxygen evolution reaction. <i>Nanoscale</i> , 2019, 11, 3599-3605.	2.8	131
133	An efficient carbon-based ORR catalyst from low-temperature etching of ZIF-67 with ultra-small cobalt nanoparticles and high yield. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3544-3551.	5.2	112
134	Recent progress in metal-organic polymers as promising electrodes for lithium/sodium rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4259-4290.	5.2	249
135	Polydopamine-assisted construction of cobalt phosphide encapsulated in N-doped carbon porous polyhedrons for enhanced overall water splitting. <i>Carbon</i> , 2019, 145, 694-700.	5.4	82
136	Facile synthesis of MOF-derived hollow NiO microspheres integrated with graphene foam for improved lithium-storage properties. <i>Journal of Alloys and Compounds</i> , 2019, 784, 869-876.	2.8	76
137	New and Advanced Porous Carbon Materials in Fine Chemical Synthesis. <i>Emerging Precursors of Porous Carbons. Catalysts</i> , 2019, 9, 133.	1.6	56
138	Metal-Organic-Framework-Based Single-Atom Catalysts for Energy Applications. <i>CheM</i> , 2019, 5, 786-804.	5.8	555
139	Flexible, Porous, and Metal-Heteroatom-Doped Carbon Nanofibers as Efficient ORR Electrocatalysts for Zn-Air Battery. <i>Nano-Micro Letters</i> , 2019, 11, 8.	14.4	76
140	Unraveling the relationship between the morphologies of metal-organic frameworks and the properties of their derived carbon materials. <i>Dalton Transactions</i> , 2019, 48, 7211-7217.	1.6	23
141	Multi-layered zeolitic imidazolate framework based self-templated synthesis of nitrogen-doped hollow porous carbon dodecahedrons as robust substrates for supercapacitors. <i>New Journal of Chemistry</i> , 2019, 43, 2171-2178.	1.4	15
142	Low-Dimensional Metal-Organic Frameworks and their Diverse Functional Roles in Catalysis. <i>ChemCatChem</i> , 2019, 11, 3138-3165.	1.8	22
143	A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries. <i>Advanced Science</i> , 2019, 6, 1900162.	5.6	90
144	Synergistic effect of metal-organic framework-derived boron and nitrogen heteroatom-doped three-dimensional porous carbons for precious-metal-free catalytic reduction of nitroarenes. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117888.	10.8	96

#	ARTICLE	IF	CITATIONS
145	Iron-based nanoparticles embedded in a graphitic layer of carbon architectures as stable heterogeneous Friedelâ€“Crafts acylation catalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 3812-3819.	2.1	13
146	Recent development in graphitic carbon nitride based photocatalysis for hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117855.	10.8	244
147	Amorphous (Fe)Ni-MOF-derived hollow (bi)metal/oxide@N-graphene polyhedron as effectively bifunctional catalysts in overall alkaline water splitting. <i>Electrochimica Acta</i> , 2019, 318, 430-439.	2.6	55
148	Hierarchical nanotubes constructed from CoSe ₂ nanorods with an oxygen-rich surface for an efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15073-15078.	5.2	47
149	Hollow-Structural Ag/Co ₃ O ₄ Nanocatalyst for CO Oxidation: Interfacial Synergistic Effect. <i>ACS Applied Nano Materials</i> , 2019, 2, 3480-3489.	2.4	60
150	Cooperation in Cu-MOF-74-Derived Cuâ€“Cu ₂ Oâ€“C Nanocomposites To Enable Efficient Visible-Light-Initiated Phenylacetylene Coupling. <i>Inorganic Chemistry</i> , 2019, 58, 7997-8002.	1.9	40
151	MOF confined in macroporous-mesoporous-TiO ₂ for light-boosting electrocatalytical oxygen production. <i>Materials Today Energy</i> , 2019, 13, 125-133.	2.5	15
152	A dual metal organic framework based on copper-iron clusters integrated sulphur doped graphene as a porous material for supercapacitor with remarkable performance characteristics. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 328-340.	5.0	37
153	Synthesis of Cu ₂ O microspheres with hollow and solid morphologies and their gas sensing properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 114, 113564.	1.3	22
154	Metal-Organic Frameworks for Chemiresistive Sensors. <i>CheM</i> , 2019, 5, 1938-1963.	5.8	419
155	Ammonia borane dehydrogenation and selective hydrogenation of functionalized nitroarene over a porous nickelâ€“cobalt bimetallic catalyst. <i>RSC Advances</i> , 2019, 9, 14580-14585.	1.7	22
156	Regeneration, degradation, and toxicity effect of MOFs: Opportunities and challenges. <i>Environmental Research</i> , 2019, 176, 108488.	3.7	167
157	Hollow carbon polyhedra derived from room temperature synthesized iron-based metal-organic frameworks for supercapacitors. <i>Journal of Power Sources</i> , 2019, 429, 9-16.	4.0	28
158	Ultralong Cycle Life Liâ€“O ₂ Battery Enabled by a MOF-Derived Rutheniumâ€“Carbon Composite Catalyst with a Durable Regenerative Surface. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20091-20097.	4.0	46
159	Deciphering the Relations between Pore Structure and Adsorption Behavior in Metalâ€“Organic Frameworks: Unexpected Lessons from Argon Adsorption on Copperâ€“Benzene-1,3,5-tricarboxylate. <i>Journal of the American Chemical Society</i> , 2019, 141, 8397-8401.	6.6	30
160	Functionalized magnetic nanoparticles/biopolymer hybrids: Synthesis methods, properties and biomedical applications. <i>Methods in Microbiology</i> , 2019, 46, 227-254.	0.4	35
161	Highly efficient and durable metal-organic framework material derived Ca-based solid sorbents for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2019, 372, 1028-1037.	6.6	41
162	Metal-organic frameworks and their derivatives for metal-air batteries. <i>Energy Storage Materials</i> , 2019, 23, 757-771.	9.5	100

#	ARTICLE	IF	CITATIONS
163	Structural Engineering of Low-Dimensional Metal-Organic Frameworks: Synthesis, Properties, and Applications. <i>Advanced Science</i> , 2019, 6, 1802373.	5.6	214
164	Removal of La(III) ions from aqueous solution by Lanthanide MOF; characterization, synthesizing and process conditions study. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019, 12, 100216.	1.7	8
165	Metal-Organic Framework-Derived Nitrogen-Doped Hybrid Nickel-Iron Sulfide Architectures on Carbon Cloth as Efficient Electrocatalysts for the Oxygen Evolution Reaction. <i>ChemElectroChem</i> , 2019, 6, 2741-2747.	1.7	20
166	Microwave-assisted hydrothermal synthesis of MOFs-derived bimetallic CuCo-N/C electrocatalyst for efficient oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2019, 795, 462-470.	2.8	31
167	Fabrication of a Spherical Superstructure of Carbon Nanorods. <i>Advanced Materials</i> , 2019, 31, e1900440.	11.1	116
168	A Single-Crystal Open-Capsule Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 7906-7916.	6.6	179
169	Structuring Ru nanoparticles on magnetic nitrogen doped carbon induces excellent photocatalytic activity for oxidation of alcohols under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 379, 159-170.	2.0	13
170	Recent advances in the synthesis of spherical and nanoMOF-derived multifunctional porous carbon for nanomedicine applications. <i>Coordination Chemistry Reviews</i> , 2019, 391, 69-89.	9.5	58
171	Capture and self-release of circulating tumor cells using metal-organic framework materials. <i>Nanoscale</i> , 2019, 11, 8293-8303.	2.8	25
172	Creating Coordination Mismatch in MOFs: Tuning from Pore Structure of the Derived Supported Catalysts to Their Catalytic Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5543-5551.	1.8	26
173	Highly efficient visible-light-driven photocatalytic degradation of VOCs by CO ₂ -assisted synthesized mesoporous carbon confined mixed-phase TiO ₂ nanocomposites derived from MOFs. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 337-346.	10.8	113
174	Tailoring three-dimensional porous cobalt phosphides templated from bimetallic metal-organic frameworks as precious metal-free catalysts towards the dehydrogenation of ammonia-borane. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8277-8283.	5.2	36
175	Plasma modification of a Ni based metal-organic framework for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8129-8135.	5.2	32
176	Synthesis strategies and potential applications of metal-organic frameworks for electrode materials for rechargeable lithium ion batteries. <i>Coordination Chemistry Reviews</i> , 2019, 388, 293-309.	9.5	104
177	Bi-metal-organic frameworks type II heterostructures for enhanced photocatalytic styrene oxidation. <i>Nanoscale</i> , 2019, 11, 7554-7559.	2.8	28
178	Rapid, Room-Temperature and Template-Free Synthesis of Metal-Organic Framework Nanowires in Alcohol. <i>ChemCatChem</i> , 2019, 11, 2058-2062.	1.8	16
179	Metal-Organic Frameworks and Their Derived Materials: Emerging Catalysts for a Sulfate Radicals-Based Advanced Oxidation Process in Water Purification. <i>Small</i> , 2019, 15, e1900744.	5.2	170
180	Template strategies with MOFs. <i>Coordination Chemistry Reviews</i> , 2019, 387, 415-435.	9.5	260

#	ARTICLE	IF	CITATIONS
181	Metal or metal-containing nanoparticle@MOF nanocomposites as a promising type of photocatalyst. <i>Coordination Chemistry Reviews</i> , 2019, 388, 63-78.	9.5	235
182	Trimetallic signal amplification aptasensor for TSP-1 detection based on Ce-MOF@Au and AuPtRu nanocomposites. <i>Biosensors and Bioelectronics</i> , 2019, 132, 302-309.	5.3	33
183	Construction of High-Nuclear Cu x S y Nanocrystalline Catalyst from High-Nuclear Copper Cluster. <i>ChemistrySelect</i> , 2019, 4, 3459-3464.	0.7	0
184	Metal-organic frameworks-derived MnO ₂ /Mn ₃ O ₄ microcuboids with hierarchically ordered nanosheets and Ti ₃ C ₂ MXene/Au NPs composites for electrochemical pesticide detection. <i>Journal of Hazardous Materials</i> , 2019, 373, 367-376.	6.5	202
185	Oriented Transformation of Co-LDH into 2D/3D ZIF-67 to Achieve Co-N-C Hybrids for Efficient Overall Water Splitting. <i>Advanced Energy Materials</i> , 2019, 9, 1803918.	10.2	260
186	Synthesis of MOF-derived nanostructures and their applications as anodes in lithium and sodium ion batteries. <i>Coordination Chemistry Reviews</i> , 2019, 388, 172-201.	9.5	192
187	Metal-Organic Framework (MOF)-Derived Carbon-Mediated Interfacial Reaction for the Synthesis of CeO ₂ @MnO ₂ Catalysts. <i>Chemistry - A European Journal</i> , 2019, 25, 6621-6627.	1.7	25
188	Functional metal-organic frameworks for catalytic applications. <i>Coordination Chemistry Reviews</i> , 2019, 388, 268-292.	9.5	242
189	Metal-Organic Coordination Strategy for Obtaining Metal-Decorated Mo-Based Complexes: Multi-dimensional Structural Evolution and High-Rate Lithium-Ion Battery Applications. <i>Chemistry - A European Journal</i> , 2019, 25, 8813-8819.	1.7	16
190	Zeolitic imidazolate framework-derived Co ₃ S ₄ @Co(OH) ₂ nanoarrays as self-supported electrodes for asymmetric supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1398-1404.	3.0	57
191	A novel route for the generation of Co/CoZn/CoNi layered double hydroxides at ambient temperature. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1415-1421.	3.0	12
192	Hierarchically Porous Carbons Derived from Metal-Organic Framework/Chitosan Composites for High-Performance Supercapacitors. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3583-3589.	1.7	19
193	Metastable iron(iii) oxide polymorphs derived from Fe/Mn bimetallic coordination polymer particles in confined space: SiO ₂ shell effect on crystal phase transition. <i>CrystEngComm</i> , 2019, 21, 2849-2853.	1.3	4
194	Bimetallic cerium and ferric oxides nanoparticles embedded within mesoporous carbon matrix: Electrochemical immunosensor for sensitive detection of carbohydrate antigen 19-9. <i>Biosensors and Bioelectronics</i> , 2019, 135, 22-29.	5.3	160
195	Solvent-Free Synthesis of ZIFs: A Route toward the Elusive Fe(II) Analogue of ZIF-8. <i>Journal of the American Chemical Society</i> , 2019, 141, 7173-7180.	6.6	76
196	Synthesis of metal-organic framework-derived cobalt disulfide with high-performance oxygen reduction reaction catalytic properties. <i>Journal of Electroanalytical Chemistry</i> , 2019, 840, 27-34.	1.9	19
197	A metal-organic framework converted catalyst that boosts photo-electrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11143-11149.	5.2	59
198	Synergistic Coupling of Anionic Ligands To Optimize the Electronic and Catalytic Properties of Metal-Organic Framework-Converted Oxygen-Evolving Catalysts. <i>ACS Applied Energy Materials</i> , 2019, 2, 2138-2148.	2.5	31

#	ARTICLE	IF	CITATIONS
199	Chemical Approaches to Carbon-Based Metal-Free Catalysts. <i>Advanced Materials</i> , 2019, 31, e1804863.	11.1	90
200	Hollow Functional Materials Derived from Metal-Organic Frameworks: Synthetic Strategies, Conversion Mechanisms, and Electrochemical Applications. <i>Advanced Materials</i> , 2019, 31, e1804903.	11.1	370
201	Copper-Based SURMOFs for Nitric Oxide Generation: Hemocompatibility, Vascular Cell Growth, and Tissue Response. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7872-7883.	4.0	42
202	Hollow Multi-Shelled Structure with Metal-Organic Framework-Derived Coatings for Enhanced Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5266-5271.	7.2	102
203	<i>In situ</i> synthesized low-PtCo@porous carbon catalyst for highly efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6543-6551.	5.2	59
204	Recent advances in the synthesis and applications of anisotropic carbon and silica-based nanoparticles. <i>Nano Research</i> , 2019, 12, 1267-1278.	5.8	30
205	Progress and challenges of graphene oxide/metal-organic composites. <i>Coordination Chemistry Reviews</i> , 2019, 387, 262-272.	9.5	99
206	Rational shape control of porous Co ₃ O ₄ assemblies derived from MOF and their structural effects on n-butanol sensing. <i>Journal of Hazardous Materials</i> , 2019, 371, 352-361.	6.5	96
207	Nanoscale Laser Metallurgy and Patterning in Air Using MOFs. <i>Journal of the American Chemical Society</i> , 2019, 141, 5481-5489.	6.6	61
208	Metal-organic framework-based heterogeneous catalysts for the conversion of C1 chemistry: CO, CO ₂ and CH ₄ . <i>Coordination Chemistry Reviews</i> , 2019, 387, 79-120.	9.5	298
209	Metal-Organic Framework (MOF)-Derived Nanoporous Carbon Materials. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1331-1343.	1.7	123
210	Hollow Multi-Shelled Structure with Metal-Organic Framework-Derived Coatings for Enhanced Lithium Storage. <i>Angewandte Chemie</i> , 2019, 131, 5320-5325.	1.6	15
211	Two-Dimensional Excitonic Metal-Organic Framework: Design, Synthesis, Regulation, and Properties. <i>Inorganic Chemistry</i> , 2019, 58, 3145-3155.	1.9	17
212	Reusable Nickel Nanoparticles-Catalyzed Reductive Amination for Selective Synthesis of Primary Amines. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5064-5068.	7.2	94
213	Reusable Nickel Nanoparticles-Catalyzed Reductive Amination for Selective Synthesis of Primary Amines. <i>Angewandte Chemie</i> , 2019, 131, 5118-5122.	1.6	32
214	Hard-template synthesis of three-dimensional interconnected carbon networks: Rational design, hybridization and energy-related applications. <i>Nano Today</i> , 2019, 29, 100796.	6.2	64
215	Single crystal polyoxoniobate derived NbO/Cu nanocrystalline@N-doped carbon loaded onto reduced graphene oxide enabling high rate and high capacity Li/Na storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26513-26523.	5.2	10
216	Single atom electrocatalysts supported on graphene or graphene-like carbons. <i>Chemical Society Reviews</i> , 2019, 48, 5207-5241.	18.7	441

#	ARTICLE	IF	CITATIONS
217	Manganese oxides with hierarchical structures derived from coordination polymers and their enhanced catalytic activity at low temperature for selective catalytic reduction of NO _x . Dalton Transactions, 2019, 48, 16395-16401.	1.6	7
218	A dual factor activated metal-organic framework hybrid nanoplatfrom for photoacoustic imaging and synergetic photo-chemotherapy. Nanoscale, 2019, 11, 20630-20637.	2.8	39
219	Metal-organic framework-derived heterojunctions as nanocatalysts for photocatalytic hydrogen production. Inorganic Chemistry Frontiers, 2019, 6, 3456-3467.	3.0	92
220	Electronically conductive metal-organic framework-based materials. APL Materials, 2019, 7, .	2.2	66
221	Designing of Ultrafine PdNPs Immobilized Pyridinic-N-Doped Carbon and Evaluation of its Catalytic Potential for Konevenagel Condensation, Synthesis of 4-Hâpyran Derivatives and Nitroreduction. ChemistrySelect, 2019, 4, 12689-12700.	0.7	12
222	Appraisal of Cu(II) adsorption by graphene oxide and its modelling via artificial neural network. RSC Advances, 2019, 9, 30240-30248.	1.7	15
223	Porous N-Doped Carbon-Encapsulated CoNi Alloy Nanoparticles Derived from MOFs as Efficient Bifunctional Oxygen Electrocatalysts. ACS Applied Materials & Interfaces, 2019, 11, 1957-1968.	4.0	118
224	Metal-organic frameworks: Structures and functional applications. Materials Today, 2019, 27, 43-68.	8.3	627
225	Metal-Organic Gel-Derived Fe _x O _y /Nitrogen-Doped Carbon Films for Enhanced Lithium Storage. Small, 2019, 15, e1804058.	5.2	31
226	Porous nitrogen/halogen dual-doped nanocarbons derived from imidazolium functionalized cationic metal-organic frameworks for highly efficient oxygen reduction reaction. Science China Materials, 2019, 62, 671-680.	3.5	30
227	In-situ fabrication of needle-shaped MIL-53(Fe) with 1T-MoS ₂ and study on its enhanced photocatalytic mechanism of ibuprofen. Chemical Engineering Journal, 2019, 359, 254-264.	6.6	157
228	In situ derived Ni ₂ P/Ni encapsulated in carbon/g-C ₃ N ₄ hybrids from metal-organic frameworks/g-C ₃ N ₄ for efficient photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 246, 72-81.	10.8	130
229	SiO ₂ -Encompassed Co@N-Doped Porous Carbon Assemblies as Recyclable Catalysts for Efficient Hydrolysis of Ammonia Borane. Langmuir, 2019, 35, 671-677.	1.6	40
230	Highly Active Cobalt/Tungsten Carbide@N-Doped Porous Carbon Nanomaterials Derived from Metal-Organic Frameworks as Bifunctional Catalysts for Overall Water Splitting. Energy Technology, 2019, 7, 1800969.	1.8	40
231	Metal-organic frameworks for energy storage devices: Batteries and supercapacitors. Journal of Energy Storage, 2019, 21, 632-646.	3.9	271
232	Encoding Metal-Cation Arrangements in Metal-Organic Frameworks for Programming the Composition of Electrocatalytically Active Multimetal Oxides. Journal of the American Chemical Society, 2019, 141, 1766-1774.	6.6	32
233	Supercritical CO ₂ -Assisted synthesis of NiFe ₂ O ₄ /vertically-aligned carbon nanotube arrays hybrid as a bifunctional electrocatalyst for efficient overall water splitting. Carbon, 2019, 145, 201-208.	5.4	70
234	Nanosheet-like Co ₃ (OH) ₂ (HPO ₄) ₂ as a Highly Efficient and Stable Electrocatalyst for Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 3083-3091.	3.2	39

#	ARTICLE	IF	CITATIONS
235	Carbon-based derivatives from metal-organic frameworks as cathode hosts for Liâ€“S batteries. <i>Journal of Energy Chemistry</i> , 2019, 38, 94-113.	7.1	104
236	Structure regulation of amino acids derived nitrogen doped porous carbon nanosheet through facile solid state assembly method. <i>Microporous and Mesoporous Materials</i> , 2019, 277, 36-44.	2.2	9
237	Hierarchical mesoporous MoSe ₂ @CoSe/N-doped carbon nanocomposite for sodium ion batteries and hydrogen evolution reaction applications. <i>Energy Storage Materials</i> , 2019, 21, 97-106.	9.5	128
238	Synthesis of the crystalline porous copper oxide architectures derived from metal-organic framework for electrocatalytic oxidation and sensitive detection of glucose. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 70, 330-337.	2.9	25
239	MOF-derived carbonaceous materials enriched with nitrogen: Preparation and applications in adsorption and catalysis. <i>Materials Today</i> , 2019, 25, 88-111.	8.3	180
240	Enhanced ethanol gas-sensing property based on hollow MoO ₃ microcages. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 106, 170-175.	1.3	34
241	NiTe ₂ /N-doped graphitic carbon nanosheets derived from Ni-hexamine coordination frameworks for Na-ion storage. <i>Chemical Engineering Journal</i> , 2019, 359, 1659-1667.	6.6	58
242	Gram-Scale Preparation of 2D Transition Metal Hydroxide/Oxide Assembled Structures for Oxygen Evolution and Zn-Air Battery. <i>ACS Applied Energy Materials</i> , 2019, 2, 579-586.	2.5	32
243	Semisacrificial Template Growth of Self-Supporting MOF Nanocomposite Electrode for Efficient Electrocatalytic Water Oxidation. <i>Advanced Functional Materials</i> , 2019, 29, 1807418.	7.8	224
244	Puffing Up Energetic Metal-Organic Frameworks to Large Carbon Networks with Hierarchical Porosity and Atomically Dispersed Metal Sites. <i>Angewandte Chemie</i> , 2019, 131, 1997-2001.	1.6	64
245	Puffing Up Energetic Metal-Organic Frameworks to Large Carbon Networks with Hierarchical Porosity and Atomically Dispersed Metal Sites. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1975-1979.	7.2	237
246	Improving CO ₂ electroreduction over ZIF-derived carbon doped with Fe-N sites by an additional ammonia treatment. <i>Catalysis Today</i> , 2019, 330, 252-258.	2.2	35
247	Synthesis, Crystal Structures, and Photocatalytic Activity of Two Nickel(II) Coordination Polymers with Flexible Bis(benzimidazol-1-yl)alkane and Polycarboxylate Ligands. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1099-1109.	1.9	2
248	State of the Art and Prospects in Metal-Organic Framework (MOF)-Based and MOF-Derived Nanocatalysis. <i>Chemical Reviews</i> , 2020, 120, 1438-1511.	23.0	1,505
249	Investigating the Impact of Ultrasonic Irradiation Power, Concentrations of Reactant, and Reaction Period on Morphology of Novel Nano Hg(II) Metal-Organic Coordination Polymer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1090-1098.	1.9	1
250	Metal-organic-framework-derived formation of Co-N-doped carbon materials for efficient oxygen reduction reaction. <i>Journal of Energy Chemistry</i> , 2020, 40, 137-143.	7.1	74
251	An Efficient Cobalt Phosphide Electrocatalyst Derived from Cobalt Phosphonate Complex for All-pH Hydrogen Evolution Reaction and Overall Water Splitting in Alkaline Solution. <i>Small</i> , 2020, 16, e1900550.	5.2	132
252	Hierarchical bimetal embedded in carbon nanoflower electrocatalysts derived from metal-organic frameworks for efficient oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020, 813, 152192.	2.8	27

#	ARTICLE	IF	CITATIONS
253	Hierarchically open-porous nitrogen-incorporated carbon polyhedrons derived from metal-organic frameworks for improved CDI performance. <i>Chemical Engineering Journal</i> , 2020, 382, 122996.	6.6	84
254	New Strategies for Novel MOF-Derived Carbon Materials Based on Nanoarchitectures. <i>CheM</i> , 2020, 6, 19-40.	5.8	511
255	Metal-Organic Frameworks Based Electrocatalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2020, 132, 4662-4678.	1.6	114
256	Metal-Organic Frameworks Based Electrocatalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4634-4650.	7.2	457
257	Production of Hydrogen Peroxide by Photocatalytic Processes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17356-17376.	7.2	615
258	Metal-Organic Framework-Templated Hollow $\text{Co}_3\text{O}_4/\text{C}$ with Controllable Oxygen Vacancies for Efficient Oxygen Evolution Reaction. <i>ChemNanoMat</i> , 2020, 6, 107-112.	1.5	13
259	Structure-induced hollow Co_3O_4 nanoparticles with rich oxygen vacancies for efficient CO oxidation. <i>Science China Materials</i> , 2020, 63, 267-275.	3.5	18
260	A turn-on fluorescence probe Eu^{3+} functionalized Ga-MOF integrated with logic gate operation for detecting ppm-level ciprofloxacin (CIP) in urine. <i>Talanta</i> , 2020, 208, 120438.	2.9	69
261	2D Nanomaterials for Cancer Theranostic Applications. <i>Advanced Materials</i> , 2020, 32, e1902333.	11.1	375
262	Luminescent Pr(III)-Based Coordination Polymer: Syntheses, Structures, N_2 and CO_2 Adsorption Properties. <i>Journal of Cluster Science</i> , 2020, 31, 513-522.	1.7	0
263	Heteroatom doping modified hierarchical mesoporous carbon derived from ZIF-8 for capacitive deionization with enhanced salt removal rate. <i>Separation and Purification Technology</i> , 2020, 231, 115918.	3.9	30
264	Metastable energetic nanocomposites of MOF-activated aluminum featured with multi-level energy releases. <i>Chemical Engineering Journal</i> , 2020, 381, 122623.	6.6	79
265	Activatable Phototheranostic Materials for Imaging-Guided Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5286-5299.	4.0	75
266	Integrated 3D foam-like porous Ni_3S_2 as improved deposition support for high-performance Li-O_2 battery. <i>Journal of Power Sources</i> , 2020, 448, 227397.	4.0	16
267	Zeolitic imidazolate frameworks and their derived materials for sequestration of radionuclides in the environment: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 1874-1934.	6.6	33
268	Bimetallic nanoparticles decorated hollow nanoporous carbon framework as nanozyme biosensor for highly sensitive electrochemical sensing of uric acid. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111869.	5.3	82
269	Metal-organic frameworks for electrochemical energy conversion: status and challenges. <i>Science China Chemistry</i> , 2020, 63, 7-10.	4.2	21
270	Synthesis of ZIF/CNT nanonecklaces and their derived cobalt nanoparticles/N-doped carbon catalysts for oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152684.	2.8	24

#	ARTICLE	IF	CITATIONS
271	Produktion von Wasserstoffperoxid durch photokatalytische Prozesse. <i>Angewandte Chemie</i> , 2020, 132, 17508-17529.	1.6	29
272	Advanced Bifunctional Oxygen Reduction and Evolution Electrocatalyst Derived from Surface-Mounted Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2020, 132, 5886-5892.	1.6	16
273	Advanced Bifunctional Oxygen Reduction and Evolution Electrocatalyst Derived from Surface-Mounted Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5837-5843.	7.2	99
274	Designing Advanced Catalysts for Energy Conversion Based on Urea Oxidation Reaction. <i>Small</i> , 2020, 16, e1906133.	5.2	328
275	Single-Atom Ir-Anchored 3D Amorphous NiFe Nanowire@Nanosheets for Boosted Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3539-3546.	4.0	39
276	MOF-derived nanostructured catalysts for low-temperature ammonia synthesis. <i>Catalysis Science and Technology</i> , 2020, 10, 105-112.	2.1	13
277	Spatially confined electrochemical conversion of metal-organic frameworks into metal-sulfides and their <i>in situ</i> electrocatalytic investigation via scanning electrochemical microscopy. <i>Chemical Science</i> , 2020, 11, 180-185.	3.7	32
278	Zirconium metal-organic frameworks incorporating tetrathiafulvalene linkers: robust and redox-active matrices for <i>in situ</i> confinement of metal nanoparticles. <i>Chemical Science</i> , 2020, 11, 1918-1925.	3.7	43
279	Relating structural disorder and melting in complex mixed ligand zeolitic imidazolate framework glasses. <i>Dalton Transactions</i> , 2020, 49, 850-857.	1.6	25
280	Microflowers Comprised of Cu/Cu _x O/NC Nanosheets as Electrocatalysts and Horseradish Peroxidase Mimics. <i>ACS Applied Nano Materials</i> , 2020, 3, 617-623.	2.4	30
281	Cage-confinement pyrolysis route to size-controlled molybdenum-based oxygen electrode catalysts: From isolated atoms to clusters and nanoparticles. <i>Nano Energy</i> , 2020, 67, 104288.	8.2	93
282	Cube-shaped metal-nitrogen-carbon derived from metal-ammonia complex-impregnated metal-organic framework for highly efficient oxygen reduction reaction. <i>Carbon</i> , 2020, 158, 719-727.	5.4	27
283	Metal-organic frameworks and their derivatives with graphene composites: preparation and applications in electrocatalysis and photocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2934-2961.	5.2	170
284	Surface modulation of inorganic layer via soft plasma electrolysis for optimizing chemical stability and catalytic activity. <i>Chemical Engineering Journal</i> , 2020, 391, 123614.	6.6	16
285	Large-scale Synthesis of MOF-Derived Superporous Carbon Aerogels with Extraordinary Adsorption Capacity for Organic Solvents. <i>Angewandte Chemie</i> , 2020, 132, 2082-2086.	1.6	70
286	Regulating the Coordination Environment of MOF-Templated Single-Atom Nickel Electrocatalysts for Boosting CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2705-2709.	7.2	404
287	Amorphous Intermediate Derivative from ZIF-67 and Its Outstanding Electrocatalytic Activity. <i>Small</i> , 2020, 16, e1904252.	5.2	120
288	Promoting desert biocrust formation using aquatic cyanobacteria with the aid of MOF-based nanocomposite. <i>Science of the Total Environment</i> , 2020, 708, 134824.	3.9	13

#	ARTICLE	IF	CITATIONS
289	Large-scale Synthesis of MOF-Derived Superporous Carbon Aerogels with Extraordinary Adsorption Capacity for Organic Solvents. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2066-2070.	7.2	191
290	Study of CoCu Alloy Nanoparticles Supported on MOF-Derived Carbon for Hydrosilylation of Ketones. <i>Catalysis Letters</i> , 2020, 150, 1537-1545.	1.4	14
291	MOF-derived NiO nanoparticles prilled by controllable explosion of perchlorate ion: Excellent performances and practical applications in supercapacitors. <i>Applied Surface Science</i> , 2020, 507, 145077.	3.1	34
292	Porous coordination polymer-derived ultrasmall CoP encapsulated in nitrogen-doped carbon for efficient hydrogen evolution in both acidic and basic media. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1729-1737.	3.8	12
293	Regulating the Coordination Environment of MOF-Templated Single-Atom Nickel Electrocatalysts for Boosting CO ₂ Reduction. <i>Angewandte Chemie</i> , 2020, 132, 2727-2731.	1.6	110
294	Enzyme immobilized in BioMOFs: Facile synthesis and improved catalytic performance. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 19-28.	3.6	26
295	Zirconium Oxide Sulfate-Carbon (ZrOSO ₄ @C) Derived from Carbonized UiO-66 for Selective Production of Dimethyl Ether. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 646-653.	4.0	63
296	Highly Efficient Porous Carbon Electrocatalyst with Controllable N-Species Content for Selective CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3244-3251.	7.2	167
297	Highly Efficient Porous Carbon Electrocatalyst with Controllable N-Species Content for Selective CO ₂ Reduction. <i>Angewandte Chemie</i> , 2020, 132, 3270-3277.	1.6	20
298	Construction of Hierarchical Nanotubes Assembled from Ultrathin V ₃ S ₄ @C Nanosheets towards Alkali-Ion Batteries with Ion-Dependent Electrochemical Mechanisms. <i>Angewandte Chemie</i> , 2020, 132, 2494-2503.	1.6	18
299	Construction of Hierarchical Nanotubes Assembled from Ultrathin V ₃ S ₄ @C Nanosheets towards Alkali-Ion Batteries with Ion-Dependent Electrochemical Mechanisms. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2473-2482.	7.2	199
300	MOF derived C/Co@C with a "one-way-valve"-like graphitic carbon layer for selective semi-hydrogenation of aromatic alkynes. <i>Carbon</i> , 2020, 160, 64-70.	5.4	21
301	Synthesis and Performance of MOF-Based Non-Noble Metal Catalysts for the Oxygen Reduction Reaction in Proton-Exchange Membrane Fuel Cells: A Review. <i>Nanomaterials</i> , 2020, 10, 1947.	1.9	22
302	Metal-Organic frameworks-derived multifunctional carbon encapsulated metallic nanocatalysts for catalytic peroxydisulfate activation and electrochemical hydrogen generation. <i>Molecular Catalysis</i> , 2020, 498, 111241.	1.0	13
303	Facile synthesis of difunctional NiV LDH@ZIF-67 p-n junction: Serve as prominent photocatalyst for hydrogen evolution and supercapacitor electrode as well. <i>Renewable Energy</i> , 2020, 162, 535-549.	4.3	83
304	Recent developments in three-dimensional graphene-based electrochemical sensors for food analysis. <i>Trends in Food Science and Technology</i> , 2020, 105, 76-92.	7.8	45
305	A metal-organic framework/polymer derived catalyst containing single-atom nickel species for electrocatalysis. <i>Chemical Science</i> , 2020, 11, 10991-10997.	3.7	32
306	Metal-Organic Framework-Derived Ceria-Supported Ni-Co Alloy Nanocatalysts for Hydrogenation of Nitroarenes. <i>ACS Applied Nano Materials</i> , 2020, 3, 10796-10804.	2.4	15

#	ARTICLE	IF	CITATIONS
307	<p>Multifunctional Hf/Mn-TCPP Metal-Organic Framework Nanoparticles for Triple-Modality Imaging-Guided PTT/RT Synergistic Cancer Therapy</p>. International Journal of Nanomedicine, 2020, Volume 15, 7687-7702.	3.3	48
308	Engineering a Highly Improved Porous Photocatalyst Based on Cu ₂ O by a Synergistic Effect of Cation Doping of Zn and Carbon Layer Coating. Inorganic Chemistry, 2020, 59, 16010-16015.	1.9	12
309	Nitrogen-doped nanostructured carbons: A new material horizon for water desalination by capacitive deionization. EnergyChem, 2020, 2, 100043.	10.1	73
310	Multiple catalytic sites in MOF-based hybrid catalysts for organic reactions. Organic and Biomolecular Chemistry, 2020, 18, 8508-8525.	1.5	11
311	Molecular recognition and sensing of dicarboxylates and dicarboxylic acids. Organic and Biomolecular Chemistry, 2020, 18, 8236-8254.	1.5	22
312	Octacyanidometallates for multifunctional molecule-based materials. Chemical Society Reviews, 2020, 49, 5945-6001.	18.7	100
313	Synthesis of ZnO Nanoparticles Doped with Cobalt Using Bimetallic ZIFs as Sacrificial Agents. Nanomaterials, 2020, 10, 1275.	1.9	7
314	Highly Active Zinc Sulfide Composite Microspheres: A Versatile Template for Synthesis of a Family of Hollow Nanostructures of Sulfides. Langmuir, 2020, 36, 1523-1529.	1.6	10
315	Two-dimensional Metal-organic Frameworks and Derivatives for Electrocatalysis. Chemical Research in Chinese Universities, 2020, 36, 662-679.	1.3	27
316	Metal-organic frameworks derived Bi ₂ O ₂ CO ₃ /porous carbon nitride: A nanosized Z-scheme systems with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2020, 267, 118700.	10.8	131
317	Structural tuning of Zn(ⁱⁱ)-MOFs based on pyrazole functionalized carboxylic acid ligands for organic dye adsorption. CrystEngComm, 2020, 22, 5941-5945.	1.3	13
318	Modification of Metal-Organic Framework-Derived Nanocarbons for Enhanced Capacitive Deionization Performance: A Mini-Review. Frontiers in Chemistry, 2020, 8, 575350.	1.8	11
319	Design of Targeted Nanostructured Coordination Polymers (NCPs) for Cancer Therapy. Molecules, 2020, 25, 3449.	1.7	14
320	Synthesis of a Magnetic 2D Co@NC-600 Material by Designing a MOF Precursor for Efficient Catalytic Reduction of Water Pollutants. Inorganic Chemistry, 2020, 59, 12672-12680.	1.9	37
321	Removal of particulate matter with metal-organic framework-incorporated materials. Coordination Chemistry Reviews, 2020, 422, 213477.	9.5	66
322	Thermally reduced mesoporous manganese MOF @reduced graphene oxide nanocomposite as bifunctional electrocatalyst for oxygen reduction and evolution. RSC Advances, 2020, 10, 27728-27742.	1.7	27
323	Single-Atom Electrocatalysts from Multivariate Metal-Organic Frameworks for Highly Selective Reduction of CO ₂ at Low Pressures. Angewandte Chemie - International Edition, 2020, 59, 20589-20595.	7.2	247
324	Facile Synthesis of Diclke Cobalt Squarate Cages through a Spontaneous Dissolution-Regrowth Process. Chemistry of Materials, 2020, 32, 6765-6771.	3.2	15

#	ARTICLE	IF	CITATIONS
325	Single-Atom Electrocatalysts from Multivariate Metal-Organic Frameworks for Highly Selective Reduction of CO ₂ at Low Pressures. <i>Angewandte Chemie</i> , 2020, 132, 20770-20776.	1.6	37
326	MOF-based atomically dispersed metal catalysts: Recent progress towards novel atomic configurations and electrocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213483.	9.5	105
327	ZIF-8 directed templating synthesis of CeO ₂ nanoparticles and its oxidase-like activity for colorimetric detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 323, 128625.	4.0	24
328	Laser Synthesis of MOF-Derived Ni@Carbon for High-Performance Pseudocapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39154-39162.	4.0	56
329	Application of MOFs-derived mixed metal oxides in energy storage. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114576.	1.9	30
330	Thermal Defect Engineering of Precious Group Metal-Organic Frameworks: A Case Study on Ru/Rh-HKUST-1 Analogues. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40635-40647.	4.0	24
331	Fabrication of Mn,N-Codoped Carbon Electrocatalysts from a Cationic Cd(II)-based MOF Involving Anion-exchange with MnO ₄ ⁻ Anions. <i>ChemNanoMat</i> , 2020, 6, 1776-1781.	1.5	4
332	Metal-Organic Framework-Engineered Enzyme-Mimetic Catalysts. <i>Advanced Materials</i> , 2020, 32, e20030651.1	5.1	183
333	Iron oxide and various metal oxide nanotubes engineered by one-pot double galvanic replacement based on reduction potential hierarchy of metal templates and ion precursors. <i>RSC Advances</i> , 2020, 10, 38617-38620.	1.7	1
334	Metal-organic frameworks as acid- and/or base-functionalized catalysts for tandem reactions. <i>Dalton Transactions</i> , 2020, 49, 14723-14730.	1.6	31
335	Co ^{II} -MOF@Cu ^{II} -MOF Derived Bifunctional Co ^{II} @Cu ^{II} for One-Pot Production of 1,4-Diphenyl-1,3-Butadiene from Phenylacetylene. <i>ChemCatChem</i> , 2020, 12, 6241-6247.	1.8	12
336	Synthesis and Optimization of Zeolitic Imidazolate Frameworks for the Oxygen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2020, 26, 14167-14172.	1.7	14
337	Transferable and Extensible Machine Learning-Derived Atomic Charges for Modeling Hybrid Nanoporous Materials. <i>Chemistry of Materials</i> , 2020, 32, 7822-7831.	3.2	27
338	Development of Porous Cobalt-/Copper-Doped Carbon Nanohybrids Derived from Functionalized MOFs as Efficient Catalysts for the Ullmann Cross-Coupling Reaction: Insights into the Active Centers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43115-43124.	4.0	24
339	Navigating nMOF-mediated enzymatic reactions for catalytic tumor-specific therapy. <i>Materials Horizons</i> , 2020, 7, 3176-3186.	6.4	27
340	Synthesis of Honeycomb-Like Co ₃ S ₄ /MoS ₂ Composites with Hollow Structure As Anode Materials for High-Performance Lithium-Ion and Sodium-Ion Batteries. <i>Journal of Electronic Materials</i> , 2020, 49, 6519-6527.	1.0	5
341	Low-potential immunosensor-based detection of the vascular growth factor 165 (VEGF ₁₆₅) using the nanocomposite platform of cobalt metal-organic framework. <i>RSC Advances</i> , 2020, 10, 27288-27296.	1.7	14
342	Sustained-Release Method for the Directed Synthesis of ZIF-Derived Ultrafine Co-N-C ORR Catalysts with Embedded Co Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57847-57858.	4.0	46

#	ARTICLE	IF	CITATIONS
343	Oxide nanomembrane induced assembly of a functional smart fiber composite with nanoporosity for an ultra-sensitive flexible glucose sensor. <i>Journal of Materials Chemistry A</i> , 2020, 8, 26119-26129.	5.2	28
344	Synthesis of hierarchically organized Fe_2O_3 nanostructures for the photocatalytic degradation of methylene blue. <i>Emergent Materials</i> , 2020, 3, 605-612.	3.2	11
345	Modulation of tumor microenvironment by metal-organic-framework-derived nanoenzyme for enhancing nucleus-targeted photodynamic therapy. <i>Nano Research</i> , 2020, 13, 1527-1535.	5.8	56
346	Metal-Organic Layers Leading to Atomically Thin Bismuthene for Efficient Carbon Dioxide Electroreduction to Liquid Fuel. <i>Angewandte Chemie</i> , 2020, 132, 15124-15130.	1.6	57
347	Metal-Organic Layers Leading to Atomically Thin Bismuthene for Efficient Carbon Dioxide Electroreduction to Liquid Fuel. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15014-15020.	7.2	276
348	Construction of a web-based nanomaterial database by big data curation and modeling friendly nanostructure annotations. <i>Nature Communications</i> , 2020, 11, 2519.	5.8	77
349	A Chemically Stable Hofmann-Type Metal-Organic Framework with Sandwich-Like Binding Sites for Benchmark Acetylene Capture. <i>Advanced Materials</i> , 2020, 32, e1908275.	11.1	236
350	Metal organic frameworks for biomass conversion. <i>Chemical Society Reviews</i> , 2020, 49, 3638-3687.	18.7	176
351	Fabrication of Fe ₃ C caged in N doped carbon nanotube as a desirable ORR electrocatalyst by a facile method. <i>Journal of Electroanalytical Chemistry</i> , 2020, 871, 114316.	1.9	10
352	Heteroatom-Doped Carbon Electrocatalysts Derived from Nanoporous Two-Dimensional Covalent Organic Frameworks for Oxygen Reduction and Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 5481-5488.	2.4	46
353	Double-layered yolk-shell microspheres with NiCo ₂ S ₄ -Ni ₉ S ₈ -C hetero-interfaces as advanced battery-type electrode for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 396, 125316.	6.6	80
354	Co-MOF nanocatalysts of tunable shape and size for selective aerobic oxidation of toluene. <i>Inorganica Chimica Acta</i> , 2020, 510, 119737.	1.2	10
355	ZIF-67 derived carbon wrapped discontinuous CoxP nanotube as anode material in high-performance Li-ion battery. <i>Materials Today Chemistry</i> , 2020, 17, 100284.	1.7	20
356	Unique FeP@C with polyhedral structure in-situ coated with reduced graphene oxide as an anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 841, 155670.	2.8	51
358	Fischer-Tropsch Synthesis: ZIF-8@ZIF-67-Derived Cobalt Nanoparticle-Embedded Nanocage Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 12352-12359.	1.8	28
359	A General Catalyst Based on Cobalt Core-Shell Nanoparticles for the Hydrogenation of N-Heteroarenes Including Pyridines. <i>Angewandte Chemie</i> , 2020, 132, 17561-17565.	1.6	8
360	A General Catalyst Based on Cobalt Core-Shell Nanoparticles for the Hydrogenation of N-Heteroarenes Including Pyridines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17408-17412.	7.2	58
361	Cation exchange in metal-organic frameworks (MOFs): The hard-soft acid-base (HSAB) principle appraisal. <i>Inorganica Chimica Acta</i> , 2020, 511, 119801.	1.2	75

#	ARTICLE	IF	CITATIONS
362	Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16013-16022.	7.2	151
363	Transition Bimetal Based MOF Nanosheets for Robust Aqueous Zn Battery. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	18
364	Insights into Enhanced Capacitive Behavior of Carbon Cathode for Lithium Ion Capacitors: The Coupling of Pore Size and Graphitization Engineering. <i>Nano-Micro Letters</i> , 2020, 12, 121.	14.4	111
365	Magnetic porous carbons derived from cobalt(<i>scp</i>)-based metal-organic frameworks for the solid-phase extraction of sulfonamides. <i>Dalton Transactions</i> , 2020, 49, 8959-8966.	1.6	20
366	Ru Species Supported on MOF-Derived N-Doped TiO ₂ /C Hybrids as Efficient Electrocatalytic/Photocatalytic Hydrogen Evolution Reaction Catalysts. <i>Advanced Functional Materials</i> , 2020, 30, 2003007.	7.8	126
367	MOF-Mediated Synthesis of Supported Fe-Doped Pd Nanoparticles under Mild Conditions for Magnetically Recoverable Catalysis**. <i>Chemistry - A European Journal</i> , 2020, 26, 13659-13667.	1.7	9
368	Crack Formation on Crystalline Bismuth Oxychloride Thin Square Sheets by Using a Wet-Chemical Method. <i>ChemNanoMat</i> , 2020, 6, 759-764.	1.5	7
369	Reductive amination using cobalt-based nanoparticles for synthesis of amines. <i>Nature Protocols</i> , 2020, 15, 1313-1337.	5.5	56
370	Bimetallic Metal-Organic Framework-Derived Hybrid Nanostructures as High-Performance Catalysts for Methane Dry Reforming. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15183-15193.	4.0	67
371	Applying CRISPR-Cas12a as a Signal Amplifier to Construct Biosensors for Non-DNA Targets in Ultralow Concentrations. <i>ACS Sensors</i> , 2020, 5, 970-977.	4.0	117
372	Metal-organic framework@polyaniline nanoarchitecture for improved fire safety and mechanical performance of epoxy resin. <i>Materials Chemistry and Physics</i> , 2020, 247, 122875.	2.0	41
373	Nano-spatially confined Pd-Cu bimetal in porous N-doped carbon as an electrocatalyst for selective denitrification. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9545-9553.	5.2	35
374	Potential-Dependent Phase Transition and Mo-Enriched Surface Reconstruction of \hat{I}^3 -CoOOH in a Heterostructured Co-Mo ₂ C Precatalyst Enable Water Oxidation. <i>ACS Catalysis</i> , 2020, 10, 4411-4419.	5.5	174
375	Graphene-Metal-Metastructure Monolith via Laser Shock-Induced Thermochemical Stitching of MOF Crystals. <i>Matter</i> , 2020, 2, 1535-1549.	5.0	49
376	An Sc-based coordination polymer with concaved superstructures: preparation, formation mechanism, conversion, and their electrochemistry properties. <i>CrystEngComm</i> , 2020, 22, 2926-2932.	1.3	0
377	Designing an All-Solid-State Sodium-Carbon Dioxide Battery Enabled by Nitrogen-Doped Nanocarbon. <i>Nano Letters</i> , 2020, 20, 3620-3626.	4.5	30
378	Zeolitic Imidazolate Framework-67-Derived CoP/Co@N,P-Doped Carbon Nanoparticle Composites with Graphitic Carbon Nitride for Enhanced Photocatalytic Production of H ₂ and H ₂ O ₂ . <i>ACS Applied Nano Materials</i> , 2020, 3, 3558-3567.	2.4	29
379	Spherical Superstructure of Boron Nitride Nanosheets Derived from Boron-Containing Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 8755-8762.	6.6	96

#	ARTICLE	IF	CITATIONS
380	Metal-Organic Frameworks in Heterogeneous Catalysis: Recent Progress, New Trends, and Future Perspectives. <i>Chemical Reviews</i> , 2020, 120, 8468-8535.	23.0	1,001
381	Electrochemical deposition of metal-organic framework films and their applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7569-7587.	5.2	126
382	Fe/Fe ₃ C@N-doped porous carbon microspindles templated from a metal-organic framework as highly selective and stable catalysts for the catalytic oxidation of sulfides to sulfoxides. <i>Molecular Catalysis</i> , 2020, 486, 110863.	1.0	12
383	Nanoscale coordination polymers for medicine and sensors. <i>Advances in Inorganic Chemistry</i> , 2020, , 3-31.	0.4	3
384	Co@N-doped carbon nanomaterial derived by simple pyrolysis of mixed-ligand MOF as an active and stable oxygen evolution electrocatalyst. <i>Applied Surface Science</i> , 2020, 529, 147081.	3.1	36
385	Controllable synthesis of Co-MOF-74 catalysts and their application in catalytic oxidation of toluene. <i>Journal of Solid State Chemistry</i> , 2020, 289, 121497.	1.4	19
386	Metal-Organic Framework Derived Nanozymes in Biomedicine. <i>Accounts of Chemical Research</i> , 2020, 53, 1389-1400.	7.6	308
387	Recent progress on hollow array architectures and their applications in electrochemical energy storage. <i>Nanoscale Horizons</i> , 2020, 5, 1188-1199.	4.1	48
388	Thermal Shrinkage Behavior of Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , 2020, 30, 2001389.	7.8	35
389	MOF-derived zinc manganese oxide nanosheets with valence-controllable composition for high-performance Li storage. <i>Green Energy and Environment</i> , 2021, 6, 703-714.	4.7	16
390	Fishnet-like superstructures constructed from ultrafine and ultralong Ni-MOF nanowire arrays directionally grown on highly rough and conductive scaffolds: synergistic activating effect for efficient and robust alkaline water oxidation activity. <i>Applied Surface Science</i> , 2020, 529, 147030.	3.1	8
391	Nanopore-Supported Metal Nanocatalysts for Efficient Hydrogen Generation from Liquid-Phase Chemical Hydrogen Storage Materials. <i>Advanced Materials</i> , 2020, 32, e2001818.	11.1	226
392	Nonenzymatic amperometric sensor for hydrogen peroxide released from living cancer cells based on hierarchical NiCo ₂ O ₄ -CoNiO ₂ hybrids embedded in partially reduced graphene oxide. <i>Mikrochimica Acta</i> , 2020, 187, 436.	2.5	17
393	Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie</i> , 2020, 132, 16147-16156.	1.6	19
394	Two Co(â€¦)-based metal organic frameworks for highly efficient removal of azo dyes from aqueous environment: Synthesis, selective adsorption and adsorption mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125236.	2.3	21
395	Defect engineering of the protection layer for photoelectrochemical devices. <i>EnergyChem</i> , 2020, 2, 100039.	10.1	15
396	Structural Transitions of the Metal-Organic Framework DUT-49(Cu) upon Physi- and Chemisorption Studied by <i>in Situ</i> Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5856-5862.	2.1	14
397	Quasi-MOF-immobilized metal nanoparticles for synergistic catalysis. <i>Science China Chemistry</i> , 2020, 63, 1601-1607.	4.2	29

#	ARTICLE	IF	CITATIONS
398	Catalysis using metal-organic framework-derived nanocarbons: Recent trends. <i>Journal of Materials Research</i> , 2020, 35, 2190-2207.	1.2	12
399	Advances in transition-metal (Zn, Mn, Cu)-based MOFs and their derivatives for anode of lithium-ion batteries. <i>Coordination Chemistry Reviews</i> , 2020, 410, 213221.	9.5	141
400	Transformation of 2D Co-LDH into 3D hierarchical hollow Co ₃ O ₄ polyhedral arrays with enhanced electrochemical performance for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154241.	2.8	31
401	In-situ Construction of Graphite-Supported Magnetic Carbocatalysts from a Metallo-Supramolecular Polymer: High Performance for Catalytic Transfer Hydrogenation. <i>ChemNanoMat</i> , 2020, 6, 629-638.	1.5	4
402	Metal-organic framework-templated synthesis of t-ZrO ₂ / γ -Fe ₂ O ₃ supported AgPt nanoparticles with enhanced catalytic and photocatalytic properties. <i>Materials Research Bulletin</i> , 2020, 126, 110838.	2.7	10
403	Metal-organic framework-based materials as an emerging platform for advanced electrochemical sensing. <i>Coordination Chemistry Reviews</i> , 2020, 410, 213222.	9.5	321
404	Development of a new synthetic strategy for highly reduced graphene oxide-CdS quantum-dot nanocomposites and their photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154406.	2.8	21
405	Catalytic activity of a magnetic Fe ₂ O ₃ @CoFe ₂ O ₄ nanocomposite in peroxymonosulfate activation for norfloxacin removal. <i>New Journal of Chemistry</i> , 2020, 44, 4185-4198.	1.4	29
406	Ultra-small cobalt nanoparticles from molecularly-defined Co-salen complexes for catalytic synthesis of amines. <i>Chemical Science</i> , 2020, 11, 2973-2981.	3.7	43
407	Colloidal-sized zirconium porphyrin metal-organic frameworks with improved peroxidase-mimicking catalytic activity, stability and dispersity. <i>Analyst</i> , 2020, 145, 3002-3008.	1.7	16
408	Well-constructed Ni@CN material derived from di-ligands Ni-MOF to catalyze mild hydrogenation of nitroarenes. <i>Molecular Catalysis</i> , 2020, 485, 110838.	1.0	36
409	Bimetallic Metal-Organic Framework Derived ZnO/Ni _{0.9} Zn _{0.1} O Nanocomposites for Improved Photocatalytic Degradation of Organic Dyes. <i>ChemistrySelect</i> , 2020, 5, 1858-1864.	0.7	21
410	Metal sulfide/MOF-based composites as visible-light-driven photocatalysts for enhanced hydrogen production from water splitting. <i>Coordination Chemistry Reviews</i> , 2020, 409, 213220.	9.5	169
411	MOF-derived electrocatalysts for oxygen reduction, oxygen evolution and hydrogen evolution reactions. <i>Chemical Society Reviews</i> , 2020, 49, 1414-1448.	18.7	1,128
412	A Photoactivated Cu-CeO ₂ Catalyst with Cu-O-Ce Active Species Designed through MOF Crystal Engineering. <i>Angewandte Chemie</i> , 2020, 132, 8280-8286.	1.6	8
413	A Universal Strategy toward Ultrasmall Hollow Nanostructures with Remarkable Electrochemical Performance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8247-8254.	7.2	72
414	A Universal Strategy toward Ultrasmall Hollow Nanostructures with Remarkable Electrochemical Performance. <i>Angewandte Chemie</i> , 2020, 132, 8324-8331.	1.6	22
415	MOF Derived Co ₃ O ₄ @Co/NCNT Nanocomposite for Electrochemical Hydrogen Evolution, Flexible Zinc-Air Batteries, and Overall Water Splitting. <i>Inorganic Chemistry</i> , 2020, 59, 3160-3170.	1.9	67

#	ARTICLE	IF	CITATIONS
416	Co-doped Ni ₃ S ₂ hierarchical nanoarrays derived from zeolitic imidazolate frameworks as bifunctional electrocatalysts for highly enhanced overall-water-splitting activity. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154299.	2.8	29
417	Metal-organic frameworks derived cobalt encapsulated in porous nitrogen-doped carbon nanostructure towards highly efficient and durable oxygen reduction reaction electrocatalysis. <i>Journal of Power Sources</i> , 2020, 451, 227747.	4.0	30
418	The synergetic effect of N, S-codoped carbon and CoO _x nanodots derived from ZIF-67 as a highly efficient cocatalyst over CdS nanorods. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1954-1962.	2.5	12
419	Nanocatalysts and other nanomaterials for water remediation from organic pollutants. <i>Coordination Chemistry Reviews</i> , 2020, 408, 213180.	9.5	389
420	Metal-organic frameworks as a platform for clean energy applications. <i>EnergyChem</i> , 2020, 2, 100027.	10.1	530
421	Enzyme embedded metal organic framework (enzyme-MOF): De novo approaches for immobilization. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 861-876.	3.6	136
422	An effective "precursor-transformation" route toward the high-yield synthesis of ZIF-8 tubes. <i>Chemical Communications</i> , 2020, 56, 2913-2916.	2.2	35
423	Oxidation of biomass-derived furans to maleic acid over nitrogen-doped carbon catalysts under acid-free conditions. <i>Catalysis Science and Technology</i> , 2020, 10, 1498-1506.	2.1	30
424	Preparation of porous Co ₃ O ₄ and its response to ethanol with low energy consumption. <i>RSC Advances</i> , 2020, 10, 2191-2197.	1.7	18
425	Nickel-ruthenium nanoalloy encapsulated in mesoporous carbon as active electrocatalysts for highly efficient overall water splitting in alkaline solution. <i>Electrochimica Acta</i> , 2020, 334, 135653.	2.6	4
426	A Photoactivated Cu-CeO ₂ Catalyst with Cu-O-Ce Active Species Designed through MOF Crystal Engineering. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8203-8209.	7.2	26
427	Applications of metal-organic framework-derived materials in fuel cells and metal-air batteries. <i>Coordination Chemistry Reviews</i> , 2020, 409, 213214.	9.5	182
428	In Situ Fabrication of Porous Nanostructures Derived from Bimetal-Organic Frameworks for Highly Sensitive Non-Enzymatic Glucose Sensors. <i>Journal of the Electrochemical Society</i> , 2020, 167, 027531.	1.3	10
429	A Metal-Organic-Framework-Derived (Zn _{0.95} Cu _{0.05}) _{0.6} Cd _{0.4} S Solid Solution as Efficient Photocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10261-10267.	4.0	30
430	Designed Fabrication of Polymer-Mediated MOF-Derived Magnetic Hollow Carbon Nanocages for Specific Isolation of Bovine Hemoglobin. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1387-1396.	2.6	17
431	Metal-Organic Framework-Based Catalysts with Single Metal Sites. <i>Chemical Reviews</i> , 2020, 120, 12089-12174.	23.0	692
432	Transitional MOFs: Exposing Metal Sites with Porosity for Enhancing Catalytic Reaction Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23968-23975.	4.0	20
433	Carbon-Modified CuO/ZnO Catalyst with High Oxygen Vacancy for CO ₂ Hydrogenation to Methanol. <i>Energy Technology</i> , 2020, 8, 2000194.	1.8	40

#	ARTICLE	IF	CITATIONS
434	Electrophoretic Deposition of Binder-Free MOF-Derived Carbon Films for High-Performance Microsupercapacitors. <i>Chemistry - A European Journal</i> , 2020, 26, 10283-10289.	1.7	6
435	An Efficient and Stable MoS ₂ /Zn _{0.5} Cd _{0.5} S Nanocatalyst for Photocatalytic Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2020, 26, 12206-12211.	1.7	25
436	Bismuth MOFs based hierarchical Co ₃ O ₄ -Bi ₂ O ₃ composite: An efficient heterogeneous peroxymonosulfate activator for azo dyes degradation. <i>Separation and Purification Technology</i> , 2020, 242, 116825.	3.9	67
437	Metal-organic frameworks for QCM-based gas sensors: A review. <i>Sensors and Actuators A: Physical</i> , 2020, 307, 111984.	2.0	108
438	Bimetallic Metal-Organic Framework-Derived Pomegranate-like Nanoclusters Coupled with CoNi-Doped Graphene for Strong Wideband Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17870-17880.	4.0	95
439	Controlling the morphology of metal-organic frameworks and porous carbon materials: metal oxides as primary architecture-directing agents. <i>Chemical Society Reviews</i> , 2020, 49, 3348-3422.	18.7	190
440	In Situ Pyrolysis Tracking and Real-Time Phase Evolution: From a Binary Zinc Cluster to Supercapacitive Porous Carbon. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13232-13237.	7.2	44
441	Bimetallic metal-organic frameworks and their derivatives. <i>Chemical Science</i> , 2020, 11, 5369-5403.	3.7	285
442	In Situ Pyrolysis Tracking and Real-Time Phase Evolution: From a Binary Zinc Cluster to Supercapacitive Porous Carbon. <i>Angewandte Chemie</i> , 2020, 132, 13334-13339.	1.6	6
443	Highly Uniform Alkali Doped Cobalt Oxide Derived from Anionic Metal-Organic Framework: Improving Activity and Water Tolerance for CO Oxidation. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 946-954.	1.3	6
444	Ni/Co bimetallic organic framework nanosheet assemblies for high-performance electrochemical energy storage. <i>Nanoscale</i> , 2020, 12, 10685-10692.	2.8	58
445	Metal-organic frameworks and their catalytic applications. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 461-473.	2.4	75
446	New Opportunities for Functional Materials from Metal Phosphonates. , 2020, 2, 582-594.		33
447	Conversion of a microwave synthesized alkali-metal MOF to a carbonaceous anode for Li-ion batteries. <i>RSC Advances</i> , 2020, 10, 13732-13736.	1.7	10
448	Extended Metal-Organic Frameworks on Diverse Supports as Electrode Nanomaterials for Electrochemical Energy Storage. <i>ACS Applied Nano Materials</i> , 2020, 3, 3964-3990.	2.4	80
449	Applications of Functional Metal-Organic Frameworks in Biosensors. <i>Biotechnology Journal</i> , 2021, 16, e1900424.	1.8	58
450	Surface/interface engineering of high-efficiency noble metal-free electrocatalysts for energy-related electrochemical reactions. <i>Journal of Energy Chemistry</i> , 2021, 54, 89-104.	7.1	65
451	Highly efficient multi-metal catalysts for carbon dioxide reduction prepared from atomically sequenced metal organic frameworks. <i>Nano Research</i> , 2021, 14, 493-500.	5.8	12

#	ARTICLE	IF	CITATIONS
452	Melamine-based polymer networks enabled N, O, S Co-doped defect-rich hierarchically porous carbon nanobelts for stable and long-cycle Li-ion and Li-Se batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 60-69.	5.0	34
453	Uniformly bimetal-decorated holey carbon nanorods derived from metal-organic framework for efficient hydrogen evolution. <i>Science Bulletin</i> , 2021, 66, 170-178.	4.3	27
454	Spatial-controlled etching of coordination polymers. <i>Chinese Chemical Letters</i> , 2021, 32, 635-641.	4.8	9
455	Synthesis of core-shell nanostructured Cr ₂ O ₃ /C@TiO ₂ for photocatalytic hydrogen production. <i>Chinese Journal of Catalysis</i> , 2021, 42, 225-234.	6.9	43
456	Insights into the Capacity and Rate Performance of Transition-Metal Coordination Compounds for Reversible Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4142-4149.	7.2	35
457	Bimetallic MOFs derived FeM(II)-alloy@C composites with high-performance electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2021, 420, 127609.	6.6	37
458	MOF-derived porous ZnO-Co ₃ O ₄ nanocages as peroxidase mimics for colorimetric detection of copper(II) ions in serum. <i>Analyst</i> , 2021, 146, 605-611.	1.7	32
459	Adsorptive removal of hazardous organics from water and fuel with functionalized metal-organic frameworks: Contribution of functional groups. <i>Journal of Hazardous Materials</i> , 2021, 403, 123655.	6.5	109
460	Advanced metal-organic frameworks for aqueous sodium-ion rechargeable batteries. <i>Journal of Energy Chemistry</i> , 2021, 53, 396-406.	7.1	37
461	Nitrogen-doped carbon-decorated yolk-shell CoP@FeCoP micro-polyhedra derived from MOF for efficient overall water splitting. <i>Chemical Engineering Journal</i> , 2021, 403, 126312.	6.6	236
462	Hollow Co ₃ O ₄ dodecahedrons with controlled crystal orientation and oxygen vacancies for the high performance oxygen evolution reaction. <i>Materials Chemistry Frontiers</i> , 2021, 5, 259-267.	3.2	22
463	CoNi Alloy Nanoparticles Embedded in Metal-Organic Framework-Derived Carbon for the Highly Efficient Separation of Xenon and Krypton via a Charge-Transfer Effect. <i>Angewandte Chemie</i> , 2021, 133, 2461-2468.	1.6	11
464	CoNi Alloy Nanoparticles Embedded in Metal-Organic Framework-Derived Carbon for the Highly Efficient Separation of Xenon and Krypton via a Charge-Transfer Effect. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2431-2438.	7.2	53
465	Yolk-shell ZIF-8@ZIF-67 derived Co ₃ O ₄ @NiCo ₂ O ₄ catalysts with effective electrochemical properties for Li-O ₂ batteries. <i>Journal of Alloys and Compounds</i> , 2021, 861, 157945.	2.8	23
466	Synthesis strategies and emerging mechanisms of metal-organic frameworks for sulfate radical-based advanced oxidation process: A review. <i>Chemical Engineering Journal</i> , 2021, 421, 127863.	6.6	129
467	Enhanced flux and fouling resistance forward osmosis membrane based on a hydrogel/MOF hybrid selective layer. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 158-166.	5.0	40
468	Ultrafast Li ⁺ diffusion kinetics enhanced by cross-stacked nanosheets loaded with Co ₃ O ₄ @NiO nanoparticles: Constructing superstructure to enhance Li-ion half/full batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 51-60.	5.0	26
469	Insights into the Capacity and Rate Performance of Transition-Metal Coordination Compounds for Reversible Lithium Storage. <i>Angewandte Chemie</i> , 2021, 133, 4188-4195.	1.6	2

#	ARTICLE	IF	CITATIONS
470	One-Step Room-Temperature Synthesis of Metal(IV) Carboxylate Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2021, 133, 4328-4334.	1.6	13
471	Metal-organic framework-derived porous carbon templates for catalysis. , 2021, , 73-121.		0
472	Functional porous carbons: Synthetic strategies and catalytic application in fine chemical synthesis. , 2021, , 299-352.		2
473	Microbial-derived functional carbon decorated hollow NiCo-LDHs nanoflowers as a highly efficient catalyst for Li-CO ₂ battery. <i>Applied Surface Science</i> , 2021, 540, 148351.	3.1	21
474	Biaxial Stretchability in High-Performance, All-Solid-State Supercapacitor with a Double-Layer Anode and a Faradic Cathode Based on Graphitic-2200 Knitted Carbon Fiber. <i>Advanced Energy Materials</i> , 2021, 11, 2002961.	10.2	38
475	Laser-scribed ultrasmall nanoparticles with unary and binary phases. <i>Chemical Engineering Journal</i> , 2021, 421, 127731.	6.6	8
476	One-Step Room-Temperature Synthesis of Metal(IV) Carboxylate Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4282-4288.	7.2	73
477	The application of Zeolitic imidazolate frameworks (ZIFs) and their derivatives based materials for photocatalytic hydrogen evolution and pollutants treatment. <i>Chemical Engineering Journal</i> , 2021, 417, 127914.	6.6	62
478	A Physical Entangling Strategy for Simultaneous Interior and Exterior Modification of Metal-Organic Framework with Polymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7389-7396.	7.2	42
479	Ni ₃ Fe nanoalloys embedded in N-doped carbon derived from dual-metal ZIF: Efficient bifunctional electrocatalyst for Zn-air battery. <i>Carbon</i> , 2021, 174, 475-483.	5.4	44
480	Cobalt embedded in nitrogen-doped porous carbon as a robust heterogeneous catalyst for the atom-economic alcohol dehydrogenation to carboxylic acids. <i>Carbon</i> , 2021, 174, 284-294.	5.4	23
481	Metal-organic frameworks and their derivatives for electrically-transduced gas sensors. <i>Coordination Chemistry Reviews</i> , 2021, 426, 213479.	9.5	145
482	Electrocatalysis for the Water Splitting: Recent Strategies for Improving the Performance of Electrocatalyst. , 2021, , 315-339.		1
483	Understanding the opportunities of metal-organic frameworks (MOFs) for CO ₂ capture and gas-phase CO ₂ conversion processes: a comprehensive overview. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 787-814.	1.9	31
484	Nanostructured anode materials in rechargeable batteries. , 2021, , 187-219.		5
485	Riveting the atomically distributed lithiophilic centers in the CNT-reinforced interfacial layer: an ultrathin, light-weight deposition substrate toward superior Li utilization. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21281-21290.	5.2	5
486	Multi-Scale Design of Metal-Organic Framework-Derived Materials for Energy Electrocatalysis. <i>Advanced Energy Materials</i> , 2022, 12, 2003410.	10.2	81
487	Introducing reticular chemistry into agrochemistry. <i>Chemical Society Reviews</i> , 2021, 50, 1070-1110.	18.7	106

#	ARTICLE	IF	CITATIONS
488	Colorimetric determination of amyloid- β^2 peptide using MOF-derived nanozyme based on porous ZnO-Co ₃ O ₄ nanocages. <i>Mikrochimica Acta</i> , 2021, 188, 56.	2.5	25
489	Metal-organic framework derived nanomaterials for electrocatalysis: recent developments for CO ₂ and N ₂ reduction. <i>Nano Convergence</i> , 2021, 8, 1.	6.3	84
490	A high-efficiency oxygen evolution electrode material of a carbon material containing a NiCo bimetal. <i>RSC Advances</i> , 2021, 11, 16461-16467.	1.7	10
491	An iridium-decorated metal-organic framework for electrocatalytic oxidation of nitrite. <i>Electrochemistry Communications</i> , 2021, 122, 106899.	2.3	13
492	Controllable generation of ZnO/ZnCo ₂ O ₄ arising from bimetal-organic frameworks for electrochemical detection of naphthol isomers. <i>Analyst, The</i> , 2021, 146, 3352-3360.	1.7	3
493	Soluble porous carbon cage-encapsulated highly active metal nanoparticle catalysts. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13670-13677.	5.2	13
494	Miniaturized energy storage: microsupercapacitor based on two-dimensional materials. , 2021, , 311-358.		3
495	Coloring ultrasensitive MRI with tunable metal-organic frameworks. <i>Chemical Science</i> , 2021, 12, 4300-4308.	3.7	15
496	A novel and efficient method of MOF-derived electrocatalyst for HER performance through doping organic ligands. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7833-7842.	3.2	8
497	The recent progress on metal-organic frameworks for phototherapy. <i>Chemical Society Reviews</i> , 2021, 50, 5086-5125.	18.7	262
498	Beyond structural motifs: the frontier of actinide-containing metal-organic frameworks. <i>Chemical Science</i> , 2021, 12, 7214-7230.	3.7	43
499	Co- and N-doped carbon nanotubes with hierarchical pores derived from metal-organic nanotubes for oxygen reduction reaction. <i>Journal of Energy Chemistry</i> , 2021, 53, 49-55.	7.1	18
500	Carbon-supported layered double hydroxide nanodots for efficient oxygen evolution: Active site identification and activity enhancement. <i>Nano Research</i> , 2021, 14, 3329-3336.	5.8	14
501	Hollow FeCo-FeCoP@C nanocubes embedded in nitrogen-doped carbon nanocages for efficient overall water splitting. <i>Journal of Energy Chemistry</i> , 2021, 53, 1-8.	7.1	37
502	Non-Magnetic Bimetallic MOF-Derived Porous Carbon-Wrapped TiO ₂ /ZrTiO ₄ Composites for Efficient Electromagnetic Wave Absorption. <i>Nano-Micro Letters</i> , 2021, 13, 75.	14.4	154
503	Synthesis of Fe ₃ Se ₄ /carbon composites from different metal-organic frameworks and their comparative lithium/sodium storage performances. <i>Chemical Papers</i> , 2021, 75, 2737-2747.	1.0	7
504	MOFs-Derived Fe-N Codoped Carbon Nanoparticles as O ₂ -Evolving Reactor and ROS Generator for CDT/PDT/PTT Synergistic Treatment of Tumors. <i>Bioconjugate Chemistry</i> , 2021, 32, 318-327.	1.8	57
505	Investigation on cross-scale indentation scaling relationships of elastic-plastic solids. <i>Acta Mechanica</i> , 2021, 232, 1479-1496.	1.1	5

#	ARTICLE	IF	CITATIONS
506	A Physical Entangling Strategy for Simultaneous Interior and Exterior Modification of Metal-Organic Framework with Polymers. <i>Angewandte Chemie</i> , 2021, 133, 7465-7472.	1.6	7
507	Unraveling a Biomass-Derived Multiphase Catalyst for the Dehydrogenative Coupling of Silanes with Alcohols under Aerobic Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2912-2928.	3.2	8
508	A reusable colorimetric assay based on mixed valence state Ce-MOF@Pt nanoparticles for highly sensitive detection of visfatin. <i>Analytica Chimica Acta</i> , 2021, 1146, 24-32.	2.6	7
509	In Situ Growth of Ni-Based Metal-Organic Framework Nanosheets on Carbon Nanotube Films for Efficient Oxygen Evolution Reaction. <i>Inorganic Chemistry</i> , 2021, 60, 3439-3446.	1.9	19
510	A Fluorescent Titanium-Based Metal-Organic Framework Sensor for Nitroaromatics Detection. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 759-763.	0.6	17
511	Metal-Organic Frameworks Derived Functional Materials for Electrochemical Energy Storage and Conversion: A Mini Review. <i>Nano Letters</i> , 2021, 21, 1555-1565.	4.5	351
512	Thermo-induced nanocomposites with improved catalytic efficiency for oxygen evolution. <i>Science China Materials</i> , 2021, 64, 1556-1562.	3.5	7
513	Ultrasound targeted microbubble destruction combined with Fe-MOF based bio-/enzyme-mimics nanoparticles for treating of cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 92.	4.2	29
514	2D Nanomaterials for Effective Energy Scavenging. <i>Nano-Micro Letters</i> , 2021, 13, 82.	14.4	36
515	Cobalt Nanoparticle-Decorated LDH/ZIF-Derived Porous Nanoplatelets for Fischer-Tropsch Synthesis. <i>ACS Applied Nano Materials</i> , 2021, 4, 3734-3741.	2.4	5
516	Review on porous carbon materials engineered by ZnO templates: Design, synthesis and capacitance performance. <i>Materials and Design</i> , 2021, 201, 109518.	3.3	85
517	Carbon-Based Composite Phase Change Materials for Thermal Energy Storage, Transfer, and Conversion. <i>Advanced Science</i> , 2021, 8, 2001274.	5.6	162
518	Phosphorus-Doped Metal-Organic Framework-Derived CoS ₂ Nanoboxes with Improved Adsorption-Catalysis Effect for Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15226-15236.	4.0	51
519	An in situ investigation of the thermal decomposition of metal-organic framework NH ₂ -MIL-125 (Ti). <i>Microporous and Mesoporous Materials</i> , 2021, 316, 110957.	2.2	43
520	Two-dimensional bimetallic coordination polymers as bifunctional evolved electrocatalysts for enhanced oxygen evolution reaction and urea oxidation reaction. <i>Journal of Energy Chemistry</i> , 2021, 63, 230-238.	7.1	29
521	A Metal-Organic Framework Nanorod-Assembled Superstructure and Its Derivative: Unraveling the Fast Potassium Storage Mechanism in Nitrogen-Modified Micropores. <i>Small</i> , 2021, 17, e2100135.	5.2	19
522	Micro/Nano-Scaled Metal-Organic Frameworks and Their Derivatives for Energy Applications. <i>Advanced Energy Materials</i> , 2022, 12, 2003970.	10.2	64
523	Ni-Co@carbon nanosheet derived from nickelocene doped Co-BDC for efficient oxygen evolution reaction. <i>Applied Surface Science</i> , 2021, 545, 148975.	3.1	17

#	ARTICLE	IF	CITATIONS
524	Transparent and Robust Amphiphobic Surfaces Exploiting Nanohierarchical Surface-grown Metal-Organic Frameworks. <i>Nano Letters</i> , 2021, 21, 3480-3486.	4.5	20
525	Dynamical SEI Reinforced by Open-Architecture MOF Film with Stereoscopic Lithiophilic Sites for High-Performance Lithium-Metal Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2101034.	7.8	59
526	A review of synthesis strategies for MOF-derived single atom catalysts. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1104-1116.	1.2	22
527	Hollow Co-Mo-Se nanosheet arrays derived from metal-organic framework for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2021, 490, 229532.	4.0	79
528	Antidegradation Property of Alginate Materials by Riveting Functionalized Carbon Nanotubes on the Sugar Chain. <i>ACS Omega</i> , 2021, 6, 12813-12819.	1.6	0
529	Assembly and Covalent Cross-Linking of an Amine-Functionalised Metal-Organic Cage. <i>Frontiers in Chemistry</i> , 2021, 9, 696081.	1.8	14
530	Integrating the Essence of a Metal-Organic Framework with Electrospinning: A New Approach for Making a Metal Nanoparticle Confined N-Doped Carbon Nanotubes/Porous Carbon Nanofibrous Membrane for Energy Storage and Conversion. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23732-23742.	4.0	43
531	Effects of functional supports on efficiency and stability of atomically dispersed noble-metal electrocatalysts. <i>EnergyChem</i> , 2021, 3, 100054.	10.1	20
532	HfO ₂ -CoO nanoparticles for electrochemical dopamine sensing. <i>Electrochemical Science Advances</i> , 2022, 2, e2100013.	1.2	3
533	Programmable Logic in Metal-Organic Frameworks for Catalysis. <i>Advanced Materials</i> , 2021, 33, e2007442.	11.1	129
534	Recent Advances in Metal-Organic Frameworks Derived Nanocomposites for Photocatalytic Applications in Energy and Environment. <i>Advanced Science</i> , 2021, 8, e2100625.	5.6	118
535	Advances in metal-organic frameworks and their derivatives for diverse electrocatalytic applications. <i>Electrochemistry Communications</i> , 2021, 126, 107024.	2.3	131
536	Cold plasma treatment of catalytic materials: a review. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 333001.	1.3	50
537	Exploring Li ₄ N and Li ₄ O superalkalis as efficient dopants for the Al ₁₂ N ₁₂ nanocage to design high performance nonlinear optical materials with high thermodynamic stability. <i>Polyhedron</i> , 2021, 200, 115145.	1.0	12
538	Turning metal-organic frameworks into efficient single-atom catalysts via pyrolysis with a focus on oxygen reduction reaction catalysts. <i>EnergyChem</i> , 2021, 3, 100056.	10.1	51
539	Regulating Intrinsic Electronic Structures of Transition-Metal-Based Catalysts and the Potential Applications for Electrocatalytic Water Splitting. , 2021, 3, 752-780.		62
540	Metal organic framework-derived Ni-Cu bimetallic electrocatalyst for efficient oxygen evolution reaction. <i>Journal of King Saud University - Science</i> , 2021, 33, 101379.	1.6	19
541	Defect Dominated Hierarchical Ti-Metal-Organic Frameworks via a Linker Competitive Coordination Strategy for Toluene Removal. <i>Advanced Functional Materials</i> , 2021, 31, 2102511.	7.8	50

#	ARTICLE	IF	CITATIONS
542	Biocatalytic and Antioxidant Nanostructures for ROS Scavenging and Biotherapeutics. <i>Advanced Functional Materials</i> , 2021, 31, 2101804.	7.8	71
543	Metal-Organic Frameworks for Photo/Electrocatalysis. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100033.	2.8	123
544	Co/ZnO/N-C composites obtained by ZIF derived from Co-Zn oxides as highly efficient catalyst for reduction of p-nitrophenol. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 99, 101-108.	1.1	1
545	Size-controlled synthesis of spinel nickel ferrite nanorods by thermal decomposition of a bimetallic Fe/Ni-MOF. <i>Ceramics International</i> , 2021, 47, 12433-12441.	2.3	20
546	Tailoring MOF-derived porous carbon nanorods confined red phosphorous for superior potassium-ion storage. <i>Nano Energy</i> , 2021, 83, 105797.	8.2	44
547	Metal-organic frameworks as highly efficient electrodes for long cycling stability supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18179-18206.	3.8	55
548	Metal organic frameworks as emergent oxygen-reducing cathode catalysts for microbial fuel cells: a review. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 11539-11560.	1.8	21
549	A compendium on metal organic framework materials and their derivatives as electrocatalyst for methanol oxidation reaction. <i>Molecular Catalysis</i> , 2021, 510, 111710.	1.0	16
550	Effect of Na, Cu and Ru on metal-organic framework-derived porous carbon supported iron catalyst for Fischer-Tropsch synthesis. <i>Molecular Catalysis</i> , 2021, 509, 111601.	1.0	4
551	Cu/Cu _x Embedded N, S-Doped Porous Carbon Derived in Situ from a MOF Designed for Efficient Catalysis. <i>Chemistry - A European Journal</i> , 2021, 27, 11468-11476.	1.7	7
552	Construction of CoS ₂ nanoparticles embedded in well-structured carbon nanocubes for high-performance potassium-ion half/full batteries. <i>Science China Chemistry</i> , 2021, 64, 1401-1409.	4.2	43
553	Self-Optimized Metal-Organic Framework Electrocatalysts with Structural Stability and High Current Tolerance for Water Oxidation. <i>ACS Catalysis</i> , 2021, 11, 7132-7143.	5.5	77
554	Factors Affecting Hydrogen Adsorption in Metal-Organic Frameworks: A Short Review. <i>Nanomaterials</i> , 2021, 11, 1638.	1.9	31
555	Templated interfacial synthesis of metal-organic framework (MOF) nano- and micro-structures with precisely controlled shapes and sizes. <i>Communications Chemistry</i> , 2021, 4, .	2.0	29
556	Recent advances of single-atom electrocatalysts for hydrogen evolution reaction. <i>JPhys Materials</i> , 2021, 4, 042002.	1.8	11
557	Indium-organic framework CPP-3(In) derived Ag/In ₂ O ₃ porous hexagonal tubes for H ₂ S detection at low temperature. <i>Chinese Chemical Letters</i> , 2022, 33, 551-556.	4.8	8
558	A Review of MOFs and Their Composites-Based Photocatalysts: Synthesis and Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2104231.	7.8	243
559	Carbon-Based MOF Derivatives: Emerging Efficient Electromagnetic Wave Absorption Agents. <i>Nano-Micro Letters</i> , 2021, 13, 135.	14.4	182

#	ARTICLE	IF	CITATIONS
560	2D nanomaterials in 3D/4D-printed biomedical devices. <i>Journal of Materials Research</i> , 2021, 36, 4024-4050.	1.2	16
561	One-Step Synthesis of Ultrathin Carbon Nanoribbons from Metal-Organic Framework Nanorods for Oxygen Reduction and Zinc-Air Batteries. <i>CCS Chemistry</i> , 2022, 4, 194-204.	4.6	15
562	The Electro-oxidation of Hydrazine with Palladium Nanoparticle Modified Electrodes: Dissecting Chemical and Physical Effects: Catalysis, Surface Roughness, or Porosity?. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6661-6666.	2.1	16
563	Bimetal-organic framework-derived carbon nanocubes with 3D hierarchical pores as highly efficient oxygen reduction reaction electrocatalysts for microbial fuel cells. <i>Science China Materials</i> , 2021, 64, 2926-2937.	3.5	14
564	Metal-Organic Framework-Based Hierarchically Porous Materials: Synthesis and Applications. <i>Chemical Reviews</i> , 2021, 121, 12278-12326.	23.0	633
566	Metal-Organic Framework Derived Nanostructured Bifunctional Electrocatalysts for Water Splitting. <i>ChemElectroChem</i> , 2021, 8, 3782-3803.	1.7	14
567	Bismuth-based metal-organic frameworks and their derivatives: Opportunities and challenges. <i>Coordination Chemistry Reviews</i> , 2021, 439, 213902.	9.5	62
568	Dual functional fluorosensors based on flexible bis(pyridylbenzimidazole) derivatives with highly selective and sensitive detection of acetylacetone and Fe ³⁺ ions. <i>Journal of Solid State Chemistry</i> , 2021, 299, 122197.	1.4	6
569	Metal-organic framework derived hierarchical NiCo ₂ O ₄ triangle nanosheet arrays@SiC nanowires network/carbon cloth for flexible hybrid supercapacitors. <i>Journal of Materials Science and Technology</i> , 2021, 81, 162-174.	5.6	35
570	Self-template synthesis of spherical mesoporous tin dioxide from tin-polyphenol-formaldehyde polymers for conductometric ethanol gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 341, 129965.	4.0	22
571	Developing metal-organic framework-based composite for innovative fuel cell application: An overview. <i>International Journal of Energy Research</i> , 2022, 46, 471-504.	2.2	26
572	Metal-organic frameworks containing uncoordinated nitrogen: Preparation, modification, and application in adsorption. <i>Materials Today</i> , 2021, 51, 566-585.	8.3	50
573	Strategies for the enhanced water splitting activity over metal-organic frameworks-based electrocatalysts and photocatalysts. <i>Materials Today Nano</i> , 2021, 15, 100124.	2.3	28
574	Monodispersed MOF-808 Nanocrystals Synthesized via a Scalable Room-Temperature Approach for Efficient Heterogeneous Peptide Bond Hydrolysis. <i>Chemistry of Materials</i> , 2021, 33, 7057-7066.	3.2	51
575	Nitrogen-Doped Carbon Composites with Ordered Macropores and Hollow Walls. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23729-23734.	7.2	64
576	In situ formation of amorphous Fe-based bimetallic hydroxides from metal-organic frameworks as efficient oxygen evolution catalysts. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1370-1378.	6.9	37
577	Boosting Catalytic Efficiency of Metal-Organic Frameworks with Electron-Withdrawing Effect for Lewis Acid Catalysis. <i>ChemistrySelect</i> , 2021, 6, 7732-7735.	0.7	5
578	Confinement Strategies for Precise Synthesis of Efficient Electrocatalysts from the Macroscopic to the Atomic Level. <i>Accounts of Materials Research</i> , 2021, 2, 907-919.	5.9	46

#	ARTICLE	IF	CITATIONS
579	Nitrogen-Doped Carbon Composites with Ordered Macropores and Hollow Walls. <i>Angewandte Chemie</i> , 2021, 133, 23922-23927.	1.6	11
580	Construction of a Mesoporous Ceria Hollow Sphere/Enzyme Nanoreactor for Enhanced Cascade Catalytic Antibacterial Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40302-40314.	4.0	39
581	Electrospinning Synthesis of Self-Standing Cobalt/Nanocarbon Hybrid Membrane for Long-Life Rechargeable Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2105021.	7.8	66
582	Metal-organic frameworks-derived heteroatom-doped carbon electrocatalysts for oxygen reduction reaction. <i>Nano Energy</i> , 2021, 86, 106073.	8.2	107
583	Synthesis of CuCo ₂ O ₄ /BiVO ₄ composites as promise and efficient catalysts for 4-nitrophenol reduction in water: Experimental and theoretical study. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105408.	3.3	17
584	A self-supporting electrode with in-situ partial transformation of Fe-MOF into amorphous NiFe-LDH for efficient oxygen evolution reaction. <i>Applied Surface Science</i> , 2021, 556, 149781.	3.1	47
585	FeMn bimetallic MOF directly applicable as an efficient electrocatalyst for overall water splitting. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126596.	2.3	30
586	The Surge of Metal-Organic-Framework (MOFs)-Based Electrodes as Key Elements in Electrochemically Driven Processes for the Environment. <i>Molecules</i> , 2021, 26, 5713.	1.7	12
587	1D Core-Shell MOFs derived CoP Nanoparticles-Embedded N-doped porous carbon nanotubes anchored with MoS ₂ nanosheets as efficient bifunctional electrocatalysts. <i>Chemical Engineering Journal</i> , 2021, 419, 129977.	6.6	56
588	Single-atom engineering of metal-organic frameworks toward healthcare. <i>CheM</i> , 2021, 7, 2635-2671.	5.8	55
589	Constructing 2D/2D N-ZnO/g-C ₃ N ₄ S-scheme heterojunction: Efficient photocatalytic performance for norfloxacin degradation. <i>Chemical Engineering Journal</i> , 2022, 430, 132652.	6.6	27
590	A metal-organic framework derived cobalt oxide/nitrogen-doped carbon nanotube nanotentacles on electrospun carbon nanofiber for electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2021, 420, 129679.	6.6	44
591	Significance of nanomaterials in electrochemical sensors for nitrate detection: A review. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 31, e00135.	5.3	60
592	Metal-Organic Frameworks Derived Titanium Oxides via Soft Interface Adaptive Transformation. <i>Advanced Functional Materials</i> , 2021, 31, 2107260.	7.8	5
593	Direct Conversion of CO ₂ to Ethanol Boosted by Intimacy-Sensitive Multifunctional Catalysts. <i>ACS Catalysis</i> , 2021, 11, 11742-11753.	5.5	69
594	Fabrication of transition-metal (Zn, Mn, Cu)-based MOFs as efficient sensor materials for detection of H ₂ gas by clad modified fiber optic gas sensor technique. <i>Optical Fiber Technology</i> , 2021, 65, 102614.	1.4	9
595	Recent Developments in All-Solid-State Micro-Supercapacitors Based on Two-Dimensional Materials. , O, , .		1
596	MOF-derived MnO/C composites as high-performance lithium-ion battery anodes. <i>Synthetic Metals</i> , 2021, 280, 116872.	2.1	17

#	ARTICLE	IF	CITATIONS
597	Nano-engineering of Ru-based hierarchical porous nanoreactors for highly efficient pH-universal overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120230.	10.8	49
598	Metal-organic framework assembly derived hierarchically ordered porous carbon for oxygen reduction in both alkaline and acidic media. <i>Chemical Engineering Journal</i> , 2022, 430, 132762.	6.6	13
599	Carbon nitride-supported CuCeO ₂ composites derived from bimetal MOF for efficiently electrocatalytic nitrogen fixation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 35319-35329.	3.8	12
600	1D/2D nanoconfinement Fe _x O _y and nitrogen-doped carbon matrix for catalytic self-cleaning membranes removal for pollutants. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106076.	3.3	9
601	Chiral metal-organic frameworks based on asymmetric synthetic strategies and applications. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214083.	9.5	65
602	Well-connected ZnO nanoparticle network fabricated by in-situ annealing of ZIF-8 for enhanced sensitivity in gas sensing application. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130180.	4.0	12
603	Engineering mesoporous semiconducting metal oxides from metal-organic frameworks for gas sensing. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214086.	9.5	67
604	±-MnS@Co ₃ S ₄ hollow nanospheres assembled from nanosheets for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 422, 129953.	6.6	85
605	Photocatalytic degradation of hazardous organic pollutants in water by Fe-MOFs and their composites: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105967.	3.3	47
606	Metal-organic framework-based sorbents in analytical sample preparation. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214107.	9.5	138
607	Metal-organic frameworks based nanostructure platforms for chemo-resistive sensing of gases. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214073.	9.5	19
608	Controllable synthesis of sea urchin-like carbon from metal-organic frameworks for advanced solar vapor generators. <i>Chemical Engineering Journal</i> , 2021, 423, 130268.	6.6	105
609	Heteroatom-doped porous carbon derived from zeolite imidazole framework/polymer core-shell fibers as an electrode material for supercapacitor. <i>Composites Part B: Engineering</i> , 2021, 225, 109256.	5.9	38
610	ZIF-67 derived nanofibrous catalytic membranes for ultrafast removal of antibiotics under flow-through filtration via non-radical dominated pathway. <i>Journal of Membrane Science</i> , 2021, 639, 119782.	4.1	28
611	Removal of organic pollutants from aqueous solution using metal organic frameworks (MOFs)-based adsorbents: A review. <i>Chemosphere</i> , 2021, 284, 131393.	4.2	131
612	Synergistic engineering of morphology and electronic structure in constructing metal-organic framework-derived Ru doped cobalt-nickel oxide heterostructure towards efficient alkaline hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2021, 426, 131300.	6.6	20
613	Advances in metal-organic framework-based nanozymes and their applications. <i>Coordination Chemistry Reviews</i> , 2021, 449, 214216.	9.5	122
614	Integrating high-efficiency oxygen evolution catalysts featuring accelerated surface reconstruction from waste printed circuit boards via a boriding recycling strategy. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120583.	10.8	31

#	ARTICLE	IF	CITATIONS
615	Highly active catalyst using zeolitic imidazolate framework derived nano-polyhedron for the electro-oxidation of l-cysteine and amperometric sensing. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 822-833.	5.0	11
616	Zr(IV)-based metal-organic framework nanocomposites with enhanced peroxidase-like activity as a colorimetric sensing platform for sensitive detection of hydrogen peroxide and phenol. <i>Environmental Research</i> , 2022, 203, 111818.	3.7	30
617	Efficient detection of hazardous H ₂ S gas using multifaceted Co ₃ O ₄ /ZnO hollow nanostructures. <i>Chemosphere</i> , 2022, 287, 132178.	4.2	43
618	Oxidative modification of metal-organic framework-derived carbon: An effective strategy for adsorptive elimination of carbazole and benzonitrile. <i>Fuel</i> , 2022, 307, 121764.	3.4	16
619	Metal-organic framework derived multi-functionalized and co-doped TiO ₂ /C nanocomposites for excellent visible-light photocatalysis. <i>Journal of Materials Science and Technology</i> , 2022, 101, 49-59.	5.6	29
620	Zinc/Iron mixed-metal MOF-74 derived magnetic carbon nanorods for the enhanced removal of organic pollutants from water. <i>Chemical Engineering Journal</i> , 2022, 428, 131147.	6.6	45
621	<i>In situ</i> recycling of particulate matter for a high-performance supercapacitor and oxygen evolution reaction. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2742-2748.	3.2	1
622	General Strategy for Fabrication of Ordered One Dimensional Inorganic Structures by Electrospinning: Structural Evolution From Belt to Solid via Hollow Tubes. <i>Advanced Engineering Materials</i> , 2021, 23, 2001129.	1.6	3
623	Strategic design and synthesis of star-shaped organic linkers for mesoporous MOFs. <i>Faraday Discussions</i> , 2021, 231, 97-111.	1.6	0
625	Synthesis of ultrafine Co/CoO nanoparticle-embedded N-doped carbon framework magnetic material and application for 4-nitrophenol catalytic reduction. <i>New Journal of Chemistry</i> , 2021, 45, 13751-13754.	1.4	4
626	Controlled assembly of cobalt embedded N-doped graphene nanosheets (Co@NGr) by pyrolysis of a mixed ligand Co(<i>scp</i>) MOF as a sacrificial template for high-performance electrocatalysts. <i>RSC Advances</i> , 2021, 11, 21179-21188.	1.7	9
627	The role of metal-organic porous frameworks in dual catalysis. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3618-3658.	3.0	30
628	Synthesis and applications of MOF-derived nanohybrids: A review. <i>Materials Today: Proceedings</i> , 2021, 46, 3018-3029.	0.9	19
629	Designing Self-Supported Metal-Organic Framework Derived Catalysts for Electrochemical Water Splitting. <i>Chemistry - an Asian Journal</i> , 2020, 15, 607-623.	1.7	48
630	Naturally derived pyroxene nanomaterials: an ore for wide applications. , 2020, , 731-774.		1
631	MOF-based materials for photo- and electrocatalytic CO ₂ reduction. <i>EnergyChem</i> , 2020, 2, 100033.	10.1	177
632	Recent progress on synthesis of ZIF-67-based materials and their application to heterogeneous catalysis. <i>Green Energy and Environment</i> , 2022, 7, 3-15.	4.7	94
633	One-pot synthesis of hierarchical Co ^S /NC@MoS ₂ /C hollow nanofibers based on one-dimensional metal coordination polymers for enhanced lithium and sodium-ion storage. <i>Science Bulletin</i> , 2020, 65, 1460-1469.	4.3	37

#	ARTICLE	IF	CITATIONS
634	Enhanced thermal conductivity of nanocomposites with MOF-derived encapsulated magnetic oriented carbon nanotube-grafted graphene polyhedra. <i>RSC Advances</i> , 2020, 10, 3357-3365.	1.7	22
635	From isolated Ti-oxo clusters to infinite Ti-oxo chains and sheets: recent advances in photoactive Ti-based MOFs. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15245-15270.	5.2	209
636	Zr-MOFs based BiOBr/Uio-66 nanoplates with enhanced photocatalytic activity for tetracycline degradation under visible light irradiation. <i>AIP Advances</i> , 2020, 10, .	0.6	14
637	Characterization of Multiphase Oxide Layer Formation on Micro and Nanoscale Iron Particles. <i>Metals</i> , 2021, 11, 12.	1.0	6
638	Encapsulation of gold nanoclusters: stabilization and more. <i>Nanoscale</i> , 2021, 13, 17199-17217.	2.8	28
639	Simultaneous transformation of 2D to 3D and doped metal transitions of zeolitic imidazole frameworks under solid phase and free-solvent conditions. <i>Dalton Transactions</i> , 2021, 50, 15793-15801.	1.6	1
640	An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26476-26482.	7.2	45
641	Highly Ethylene-Selective Electrocatalytic CO ₂ Reduction Enabled by Isolated Cu ⁺ S Motifs in Metal-Organic Framework Based Precatalysts. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5
642	Highly Ethylene-Selective Electrocatalytic CO ₂ Reduction Enabled by Isolated Cu ⁺ S Motifs in Metal-Organic Framework Based Precatalysts. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	81
643	Killing Two Birds with One Stone: Selective Oxidation of Small Organic Molecule as Anodic Reaction to Boost CO ₂ Electrolysis. <i>Small Structures</i> , 2022, 3, 2100134.	6.9	25
644	Surface-coordinated metal-organic framework thin films (SURMOFs): From fabrication to energy applications. <i>EnergyChem</i> , 2021, 3, 100065.	10.1	25
645	Polyoxometalate@Metal-Organic Framework Composites as Effective Photocatalysts. <i>ACS Catalysis</i> , 2021, 11, 13374-13396.	5.5	121
646	Advances in Nanomaterials-Based Electrochemical Biosensors for Foodborne Pathogen Detection. <i>Nanomaterials</i> , 2021, 11, 2700.	1.9	26
647	Fabrication of Metal Nanoparticle Composites by Slow Chemical Reduction of Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2021, 60, 16447-16454.	1.9	10
648	Design and synthesis of noble metal-based electrocatalysts using metal-organic frameworks and derivatives. <i>Materials Today Nano</i> , 2022, 17, 100144.	2.3	17
649	Rational Design of MOF-Based Materials for Next-Generation Rechargeable Batteries. <i>Nano-Micro Letters</i> , 2021, 13, 203.	14.4	143
650	An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO ₂ . <i>Angewandte Chemie</i> , 2021, 133, 26680-26686.	1.6	4
651	Rapid degradation of p-arsanic acid and simultaneous removal of the released arsenic species by Co-Fe@C activated peroxydisulfate process. <i>Environmental Research</i> , 2022, 207, 112184.	3.7	12

#	ARTICLE	IF	CITATIONS
652	Composition Optimization and Microstructure Design in MOFs-Derived Magnetic Carbon-Based Microwave Absorbers: A Review. <i>Nano-Micro Letters</i> , 2021, 13, 208.	14.4	138
653	Hierarchical N-Doped CuO/Cu Composites Derived from Dual-Ligand Metal-Organic Frameworks as Cost-Effective Catalysts for Low-Temperature CO Oxidation. <i>ACS Omega</i> , 2021, 6, 29596-29608.	1.6	5
654	MOF-Directed Construction of Cu-Carbon and Cu@N-Doped Carbon as Superior Supports of Metal Nanoparticles toward Efficient Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52921-52930.	4.0	8
656	Regulation and mechanism study of the CoS ₂ /Cu ₂ S-NF heterojunction as highly-efficient bifunctional electrocatalyst for oxygen reactions. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120849.	10.8	55
657	Metal-organic frameworks (MOFs) and their derivatives as emerging catalysts for electro-Fenton process in water purification. <i>Coordination Chemistry Reviews</i> , 2022, 451, 214277.	9.5	97
658	Sacrificial templating synthesis of metal-organic framework hybrid nanosheets as efficient pre-electrocatalyst for oxygen evolution reaction in alkaline. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127745.	2.3	7
659	Base-free catalytic aerobic oxidation of mercaptans over MOF-derived Co/CN catalyst with controllable composition and structure. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1836-1848.	5.0	6
660	Environmentally persistent free radicals in bismuth-based metal-organic layers derivatives: Photodegradation of pollutants and mechanism unravelling. <i>Chemical Engineering Journal</i> , 2022, 430, 133026.	6.6	23
661	MOF-Derived Nanoparticles and Single Atoms for Electrochemical Reactions. <i>ACS Symposium Series</i> , 2020, , 127-149.	0.5	0
662	Carbon-wrapped Fe-Ni bimetallic nanoparticle-catalyzed Friedel-Crafts acylation for green synthesis of aromatic ketones. <i>Catalysis Science and Technology</i> , 0, , .	2.1	6
663	Catalysis with MNPs on N-Doped Carbon. <i>Molecular Catalysis</i> , 2020, , 199-219.	1.3	0
664	Metal-Organic Frameworks for Electrocatalysis. , 2020, , 29-66.		1
665	Reductive N-alkylation of primary amides using nickel-nanoparticles. <i>Tetrahedron</i> , 2021, , 132526.	1.0	0
666	Recent advances and challenges of metal-organic framework/graphene-based composites. <i>Composites Part B: Engineering</i> , 2022, 230, 109532.	5.9	66
667	CuO@NiO Nanoparticles Derived from Metal-Organic Framework Precursors for the Deoxygenation of Fatty Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15612-15622.	3.2	13
668	Recent Progress in Prussian Blue/Prussian Blue Analogue-Derived Metallic Compounds. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 230-260.	2.0	36
669	Zeolitic imidazolate framework derived porous ZnO/Co ₃ O ₄ incorporated with gold nanoparticles as ternary nanohybrid for determination of hydrazine. <i>Journal of Alloys and Compounds</i> , 2022, 896, 162922.	2.8	8
670	Sustainable synthesis of potential antitumor new derivatives of Abemaciclib and Fedratinib via C-N cross coupling reactions using Pd/Cu-free Co-catalyst. <i>Molecular Catalysis</i> , 2022, 517, 112011.	1.0	5

#	ARTICLE	IF	CITATIONS
671	Metal Organic Framework Derived Cu ²⁺ Doped Ni ₂ P Nanoparticles Incorporated with Porous Carbon as High Performance Electrocatalyst for Hydrogen Evolution Reaction in a Wide pH Range. <i>ChemistrySelect</i> , 2021, 6, 12926-12933.	0.7	3
672	Ligand Defect Density Regulation in Metal-Organic Frameworks by Functional Group Engineering on Linkers. <i>Nano Letters</i> , 2022, 22, 838-845.	4.5	29
673	Recent development of metal-organic framework nanocomposites for biomedical applications. <i>Biomaterials</i> , 2022, 281, 121322.	5.7	83
674	Enhancement of oxygen evolution reaction by X-doped (X= Se, S, P) holey graphitic carbon shell encapsulating NiCoFe nanoparticles: a combined experimental and theoretical study. <i>Materials Today Chemistry</i> , 2022, 23, 100706.	1.7	4
675	Advances in and prospects of nanomaterials TM morphological control for lithium rechargeable batteries. <i>Nano Energy</i> , 2022, 93, 106860.	8.2	40
676	Molten-Li infusion of ultra-thin interfacial modification layer towards the highly-reversible, energy-dense metallic batteries. <i>Energy Storage Materials</i> , 2022, 45, 796-804.	9.5	9
677	Insights into enhanced peroxydisulfate activation with S doped Fe@C catalyst for the rapid degradation of organic pollutants. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 24-34.	5.0	27
678	MOF derived nano-materials: A recent progress in strategic fabrication, characterization and mechanistic insight towards divergent photocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2022, 456, 214392.	9.5	86
679	Engineering hierarchical porous ternary Co-Mn-Cu-S nanodisk arrays for ultra-high-capacity hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 298-307.	5.0	26
680	A Review on Metal-Organic Frameworks as Congenial Heterogeneous Catalysts for Potential Organic Transformations. <i>Frontiers in Chemistry</i> , 2021, 9, 747615.	1.8	19
681	Co Nanoparticles Encapsulated in Carbon Nanotubes Decorated Carbon Aerogels Toward Excellent Microwave Absorption. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1684-1693.	1.8	6
682	Self-supported metal-organic framework-based nanostructures as binder-free electrodes for supercapacitors. <i>Nanoscale</i> , 2022, 14, 2155-2166.	2.8	73
683	Electrode Materials for Supercapacitors in Hybrid Electric Vehicles: Challenges and Current Progress. <i>Condensed Matter</i> , 2022, 7, 6.	0.8	66
684	Mitochondrial Dysfunction and Antioxidation Dyshomeostasis-Enhanced Tumor Starvation Synergistic Chemotherapy Achieved using a Metal-Organic Framework-Based Nano-Enzyme Reactor. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3675-3684.	4.0	14
685	N-doping of the TiO ₂ /C nanostructure derived from metal-organic frameworks with high drug loading for efficient sonodynamic & chemotherapy. <i>Smart Materials in Medicine</i> , 2022, 3, 168-178.	3.7	7
686	Immobilization of Lewis Basic Sites into a Stable Ethane-Selective MOF Enabling One-Step Separation of Ethylene from a Ternary Mixture. <i>Journal of the American Chemical Society</i> , 2022, 144, 2614-2623.	6.6	127
687	Phosphorus modified Ni-MOF ⁷⁴ /BiVO ₄ S-scheme heterojunction for enhanced photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121166.	10.8	106
688	MOF effectively deliver CRISPR and enhance gene-editing efficiency via MOF TM s hydrolytic activity of phosphate ester bonds. <i>Chemical Engineering Journal</i> , 2022, 439, 134992.	6.6	7

#	ARTICLE	IF	CITATIONS
689	Metal-organic frameworks-derived Ni ₂ P@C Nanocomposite as a high-performance catalyst for hydrazine electrooxidation. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163746.	2.8	4
690	Metal-Organic Frameworks: A Robust Platform for Creating Nanoarchitected Carbon Materials. <i>Accounts of Materials Research</i> , 2022, 3, 426-438.	5.9	15
691	N-doped porous carbons derived from Zn-porphyrin-MOF. <i>RSC Advances</i> , 2022, 12, 5979-5989.	1.7	1
692	Pd/(Fe ₃ O ₄)-on-ZIFs: nanoparticle deposition on (nano-)MOFs from ionic liquids. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11955-11970.	5.2	4
693	Understanding the active sites of Fe-N-C materials and their properties in the ORR catalysis system. <i>RSC Advances</i> , 2022, 12, 9543-9549.	1.7	9
694	Nickel-salen as a model for bifunctional OER/UOR electrocatalysts: pyrolysis temperature-electrochemical activity interconnection. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1973-1983.	3.0	8
695	Resisting Metal Aggregation in Pyrolysis of Mofs Towards High-Density Metal Nanocatalysts for Efficient Hydrazine Assisted Hydrogen Production. <i>SSRN Electronic Journal</i> , 0, .	0.4	0
696	Probing the electronic and ionic transport in topologically distinct redox-active metal-organic frameworks in aqueous electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9855-9865.	1.3	5
697	Nanostructured metal-organic framework-based luminescent sensor for chemical sensing: current challenges and future prospects. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 197-242.	5.3	16
698	Synthesis of mesoporous carbon materials from renewable plant polyphenols for environmental and energy applications. <i>New Carbon Materials</i> , 2022, 37, 196-222.	2.9	20
699	Metal-organic framework-derived phosphide nanomaterials for electrochemical applications. , 2022, 4, 246-281.		48
700	Hollow structured Cu@ZrO ₂ derived from Zr-MOF for selective hydrogenation of CO ₂ to methanol. <i>Journal of Energy Chemistry</i> , 2022, 71, 277-287.	7.1	44
701	A new Mn _x O _y /carbon nanorods derived from bimetallic Zn/Mn metal-organic framework as an efficient oxygen reduction reaction electrocatalyst for alkaline Zn-Air batteries. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 1163-1173.	1.2	3
702	Rational Design of Metal-Organic Framework-Based Materials for Photocatalytic CO ₂ Reduction. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	2.8	23
703	Metal-Organic-Framework-Based Photo-electrochemical Cells for Solar Fuel Generation. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5079-5091.	1.5	11
704	Sensitive simultaneous determination of catechol and hydroquinone based on iron and nitrogen doped carbon nanonets derived from MOFs. <i>Journal of Electroanalytical Chemistry</i> , 2022, 913, 116290.	1.9	8
705	Semiconducting Paddle-Wheel Metal-Organic Complex with a Compact Cu-S Cage. <i>Journal of Physical Chemistry C</i> , 2022, 126, 6300-6307.	1.5	0
706	Unprecedented Electroreduction of CO ₂ over Metal Organic Framework-Derived Intermetallic Nano-Alloy Cu _{0.85} Ni _{0.15} /C. <i>ACS Applied Energy Materials</i> , 2022, 5, 4945-4955.	2.5	20

#	ARTICLE	IF	CITATIONS
707	Metal-organic framework-derived multifunctional photocatalysts. Chinese Journal of Catalysis, 2022, 43, 971-1000.	6.9	64
708	Active nanozyme derived from biomineralized metal-organic frameworks for cholesterol detection. Microporous and Mesoporous Materials, 2022, 335, 111826.	2.2	6
709	Engineering Pollenâ€Derived Microstructures to Reveal Material Morphoâ€Performance Paradigm. Small, 2022, 18, e2200037.	5.2	4
710	Rh/ZrO ₂ @C(MIL) catalytic activity and TEM images. CO ₂ conversion performance and structural systematic evaluation of novel catalysts derived from Zr-MOF metallated with Ru, Rh, Pd or In. Microporous and Mesoporous Materials, 2022, 336, 111855.	2.2	5
711	A general strategy for overcoming the trade-off between ultrasmall size and high loading of MOF-derived metal nanoparticles by millisecond pyrolysis. Nano Energy, 2022, 97, 107125.	8.2	17
712	Recent advances in the synthesis of various analogues of MOF-based nanomaterials: A mini-review. Inorganica Chimica Acta, 2022, 536, 120890.	1.2	10
713	Hollow Co ₃ S ₄ polyhedron decorated with interlayer-expanded MoS ₂ nanosheets for efficient tetracycline removal from aqueous solution. Chemical Engineering Journal, 2022, 441, 136006.	6.6	21
714	Carbon Nanotube Based Metalâ€Organic Framework Hybrids From Fundamentals Toward Applications. Small, 2022, 18, e2104628.	5.2	33
715	Confinement Effects in Individual Carbon Encapsulated Nonprecious Metalâ€Based Electrocatalysts. Advanced Functional Materials, 2022, 32, .	7.8	35
716	A General Strategy to Immobilize Singleâ€Atom Catalysts in Metalâ€Organic Frameworks for Enhanced Photocatalysis. Advanced Materials, 2022, 34, e2109203.	11.1	80
717	Highly efficient C(CO)â€C(alkyl) bond cleavage in ketones to access esters over ultrathin N-doped carbon nanosheets. Chemical Science, 2022, 13, 5196-5204.	3.7	6
718	Metal-organic aerogel derived hierarchical porous metal-carbon nanocomposites as efficient bifunctional electrocatalysts for overall water splitting. Journal of Colloid and Interface Science, 2022, 621, 398-405.	5.0	6
719	Photosensitized Peroxidase Mimicry at the Hierarchical 0D/2D Heterojunctionâ€Like Quasi Metalâ€Organic Framework Interface for Boosting Biocatalytic Disinfection. Small, 2022, 18, e2200178.	5.2	62
720	Nanostructured Mn-doped Zn N C @reduced graphene oxide as high performing electrocatalyst for oxygen reduction reaction. Journal of Electroanalytical Chemistry, 2022, 914, 116324.	1.9	6
721	Multifunctional TiO ₂ /C nanosheets derived from 3D metalâ€organic frameworks for mild-temperature-photothermal-sonodynamic-chemodynamic therapy under photoacoustic image guidance. Journal of Colloid and Interface Science, 2022, 621, 360-373.	5.0	10
724	Zeolitic imidazolate framework 67 based metal oxides derivatives as electrocatalysts for oxygen evolution reaction. , 2022, , 471-495.		1
725	Heterostructured Co-NTC@Co ₃ S ₄ as an anode material for asymmetric pseudocapacitors. CrystEngComm, 2022, 24, 3621-3629.	1.3	5
726	Artificial Intelligence for Nanostructured Materials. Nanobiotechnology Reports, 2022, 17, 1-9.	0.2	0

#	ARTICLE	IF	CITATIONS
727	A Spherical Superstructure of Co,N-doping Mesoporous Carbon for Oxygen Reduction Reaction in Air-Breath Cathode Microbial Fuel Cell. <i>Catalysis Letters</i> , 0, , 1.	1.4	0
728	Functionalized MOF-Derived Nanoporous Carbon as Compatible Nanofiller to Fabricate Defect-Free PDMS-Based Mixed Matrix Pervaporation Membranes. <i>ACS Omega</i> , 2022, 7, 15786-15794.	1.6	9
729	Facile Guest-Mediated Method for Gram-Scale Synthesis of Superhydrophilic Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2022, 34, 4242-4247.	3.2	3
730	A chemometric approach based on Box-Behnken and response surface methodology for design and optimization of ciprofloxacin adsorption from water. <i>Chemical Papers</i> , 2022, 76, 4873-4883.	1.0	4
731	Progress on 3D-Printed Metal-Organic Frameworks with Hierarchical Structures. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	10
732	Progress in Metal-Organic Framework Catalysts for Selective Catalytic Reduction of NOx: A Mini-Review. <i>Atmosphere</i> , 2022, 13, 793.	1.0	5
733	Functionalized metal-organic framework-derived carbon: Effective adsorbent to eliminate methylene blue, a small cationic dye from water. <i>Chemosphere</i> , 2022, 303, 134890.	4.2	11
734	Improving the surface area of metal organic framework-derived porous carbon through constructing inner support by compatible graphene quantum dots. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 77-85.	5.0	22
735	Recent advancements in metal-organic frameworks integrating quantum dots (QDs@MOF) and their potential applications. <i>Nanotechnology Reviews</i> , 2022, 11, 1947-1976.	2.6	17
736	Aerosol-Assisted Synthesis of Metal-Organic Framework-Derived Hybrid Nanomaterials for Reverse Water-Gas Shift Reaction. <i>ACS Applied Nano Materials</i> , 2022, 5, 8883-8893.	2.4	6
737	High-yield solar-driven atmospheric water harvesting of metal-organic-framework-derived nanoporous carbon with fast-diffusion water channels. <i>Nature Nanotechnology</i> , 2022, 17, 857-863.	15.6	85
738	Graphite felt modified by nanoporous carbon as a novel cathode material for EF process. <i>New Journal of Chemistry</i> , 0, , .	1.4	3
739	Fabrication of Ag nanoparticles coupled with ferrous disulfide biocatalyst as a peroxidase mimic for sensitive electrochemical and colorimetric dual-mode biosensing of H ₂ O ₂ . <i>Food Chemistry</i> , 2022, 393, 133386.	4.2	14
740	Applications of Metal-Organic Frameworks in Wastewater Treatment and Gas Separation and Purification. <i>ACS Symposium Series</i> , 0, , 271-337.	0.5	0
741	CeO ₂ modified Ni-MOF as an efficient catalyst for electrocatalytic urea oxidation. , 0, 1, .		1
742	MOF-derived porous nitrogen and phosphorus codoped carbon nanosheets: An emerging material for constructing robust electrochemical sensing platform. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132263.	4.0	6
743	Molecular Sieving of Propylene from Propane in Metal-Organic Framework-Derived Ultramicroporous Carbon Adsorbents. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30443-30453.	4.0	18
744	Pd and Ni NPs@Eu-MOF, an economically advantageous nanocatalyst for C(sp ²)-C(sp ²) cross-coupling reactions. Key role of Ni and of the metal nanoparticles. <i>Polyhedron</i> , 2022, 223, 115950.	1.0	3

#	ARTICLE	IF	CITATIONS
745	Metal-organic frameworks and derived materials as photocatalysts for water splitting and carbon dioxide reduction. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214664.	9.5	100
746	Single atoms meet metal-organic frameworks: collaborative efforts for efficient photocatalysis. <i>Energy and Environmental Science</i> , 2022, 15, 3722-3749.	15.6	107
747	Co/CoO nanoparticles armored by N-doped nanoporous carbon polyhedrons towards glucose oxidation in high-performance non-enzymatic sensors. <i>New Journal of Chemistry</i> , 2022, 46, 15071-15079.	1.4	10
748	Recent advances in bimetallic metal-organic frameworks (BMOFs): synthesis, applications and challenges. <i>New Journal of Chemistry</i> , 2022, 46, 13818-13837.	1.4	61
749	A Dual-Responsive Magnetoactive and Electro-Ionic Soft Actuator Derived from a Nickel-Based Metal-Organic Framework. <i>Advanced Materials</i> , 2022, 34, .	11.1	14
750	MoS ₂ and WS ₂ Nanosheets Decorated on Metal-Organic Framework-Derived Cobalt/Carbon Nanostructures as Electrocatalysts for Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2022, 5, 10696-10703.	2.4	10
751	FeP-CoP Nanocubes In Situ Grown on Ti ₃ C ₂ T _x MXene as Efficient Electrocatalysts for the Oxygen Evolution Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 10837-10845.	1.8	10
752	Applications of metal-organic framework-based bioelectrodes. <i>Chemical Science</i> , 2022, 13, 8727-8743.	3.7	19
753	Hierarchical ZrO ₂ @N-doped carbon nano-networks anchored ultrafine Pd nanoparticles for highly efficient catalytic hydrogenation. <i>Science China Chemistry</i> , 2022, 65, 1661-1669.	4.2	2
754	Ni-doped CoP with multi-level hollow structure as efficient electrocatalyst for overall water splitting. <i>Journal of Materials Science</i> , 2022, 57, 14430-14439.	1.7	3
755	Morphological Anisotropy in Metal-Organic Framework Micro/Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13
756	Understanding Synthesis-Structure-Performance Correlations of Nanoarchitected Activated Carbons for Electrochemical Applications and Carbon Capture. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	32
757	Ultrasound-Activated, Tumor-Specific <i>In Situ</i> Synthesis of a Chemotherapeutic Agent Using ZIF-8 Nanoreactors for Precision Cancer Therapy. <i>ACS Nano</i> , 2022, 16, 12403-12414.	7.3	18
758	Resisting metal aggregation in pyrolysis of MOFs towards high-density metal nanocatalysts for efficient hydrazine assisted hydrogen production. <i>Nano Research</i> , 2023, 16, 6067-6075.	5.8	16
759	MOF-Based Chemiresistive Gas Sensors: Toward New Functionalities. <i>Advanced Materials</i> , 2023, 35, .	11.1	59
760	Carbon-based catalyst supports for oxygen reduction in proton-exchange membrane fuel cells. <i>Trends in Chemistry</i> , 2022, 4, 886-906.	4.4	63
761	Morphological Anisotropy in Metal-Organic Framework Micro/Nanostructures. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
762	Pore creation nanoarchitectonics from non-porous metal-organic framework to porous carbon for adsorptive elimination of sulfanilamide and chloroxylenol from aqueous solution. <i>Journal of Hazardous Materials</i> , 2022, 439, 129659.	6.5	4

#	ARTICLE	IF	CITATIONS
763	A systematic review on recent advances of metal-organic frameworks-based nanomaterials for electrochemical energy storage and conversion. <i>Coordination Chemistry Reviews</i> , 2022, 471, 214741.	9.5	24
764	Ordered porous and uniform electric-field-strength micro-supercapacitors by 3D printing based on liquid-crystal V2O5 nanowires compositing carbon nanomaterials. <i>Journal of Colloid and Interface Science</i> , 2022, 628, 24-32.	5.0	18
765	Elucidating the promoting mechanism of coordination-driven self-assembly MOFs/SiO2 composite derived catalyst for dry reforming of methane with CO2. <i>Fuel</i> , 2022, 330, 125569.	3.4	14
766	HCl-activated porous nitrogen-doped carbon nanopolyhedras with abundant hierarchical pores for ultrafast desalination. <i>Journal of Colloid and Interface Science</i> , 2022, 628, 236-246.	5.0	12
767	Metal-organic frameworks composed of nitro groups: Preparation and applications in adsorption and catalysis. <i>Chemical Engineering Journal</i> , 2023, 451, 138538.	6.6	39
768	Value-added formate production from selective ethylene glycol oxidation based on cost-effective self-supported MOF nanosheet arrays. <i>Rare Metals</i> , 2022, 41, 3654-3661.	3.6	24
769	Tailored architectures of mesoporous carbon nanostructures: From synthesis to applications. <i>Nano Today</i> , 2022, 46, 101607.	6.2	16
770	Enriching Fe3O4@MoS2 composites in surface layer to fabricate polyethersulfone (PES) composite membrane: The improved performance and mechanisms. <i>Separation and Purification Technology</i> , 2022, 302, 122178.	3.9	39
771	The Role of NMR in Metal Organic Frameworks: Deep Insights into Dynamics, Structure and Mapping of Functional Groups. <i>Materials Today Advances</i> , 2022, 16, 100287.	2.5	5
772	Metal-Organic Framework-Induced Edge-Riched Growth of Layered Bi2se3 Towards Ultrafast Na-Ion Storage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
773	Synthetic carbon nanomaterials for electrochemical energy conversion. <i>Nanoscale</i> , 2022, 14, 13473-13489.	2.8	6
774	Analytical performances of electrochemical sensor based on metal-organic frameworks. , 2022, , 117-133.		0
775	Amorphous FeNiCu-MOFs as highly efficient electrocatalysts for the oxygen evolution reaction in an alkaline medium. <i>Dalton Transactions</i> , 2022, 51, 14306-14316.	1.6	11
776	Metal-organic framework in fuel cell technology: Fundamentals and application. , 2022, , 135-189.		1
777	Enzyme-immobilized Metal-Organic Frameworks: From Preparation to Application. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	10
778	Implanting CoO Clusters on Ordered Macroporous ZnO Nanoreactors for Efficient CO2 Photoreduction. <i>Advanced Materials</i> , 2022, 34, .	11.1	40
779	Electrocatalytic Reduction of Carbon Dioxide to High-Value Multicarbon Products with Metal-Organic Frameworks and Their Derived Materials. , 2022, 4, 2058-2079.		35
780	Perspective on the heavy metal pollution and recent remediation strategies. <i>Current Research in Microbial Sciences</i> , 2022, 3, 100166.	1.4	12

#	ARTICLE	IF	CITATIONS
781	Catalytic activity of C ₆₀ fullerene nanowhisker@zeolitic imidazolate framework-67 composite for reduction of 4-nitrophenol. Fullerenes Nanotubes and Carbon Nanostructures, 2023, 31, 61-67.	1.0	1
782	Observation and Analysis of Staircase Response of Single Palladium Nanoparticle Collision on Gold Ultramicroelectrodes. Nanomaterials, 2022, 12, 3095.	1.9	2
783	Applications of Transition Metal (Fe, Co, Ni)-Based Metal-Organic Frameworks and their Derivatives in Batteries and Supercapacitors. Transactions of Tianjin University, 2022, 28, 446-468.	3.3	4
784	MOF-Derived Co ₃ O ₄ Nanoparticles Catalyzing Hydrothermal Deoxygenation of Fatty Acids for Alkane Production. ACS Omega, 2022, 7, 33482-33490.	1.6	2
785	Persulfate activation by single-atom catalysts for the removal of organic pollutants: A review. , 2023, 2, 63-79.		0
786	Cu(II)-Based Coordination Polymer as a Pristine Form Usable Electrocatalyst for Oxygen Reduction Reaction: Experimental Evaluation and Theoretical Insights into Biomimetic Mechanistic Aspects. Inorganic Chemistry, 2022, 61, 15699-15710.	1.9	2
787	Two-Dimensional Metal-Organic Framework Superstructures from Ice-Templated Self-Assembly. Journal of the American Chemical Society, 2022, 144, 17457-17467.	6.6	47
788	Emerging surface strategies for porous materials-based phase change composites. Matter, 2022, 5, 3225-3259.	5.0	21
789	Metal-organic frameworks supported Ni-Co-S nanosheet arrays for advanced hybrid supercapacitors. International Journal of Hydrogen Energy, 2022, 47, 39265-39275.	3.8	13
790	Quasi-Cu-MOFs: highly improved water stability and electrocatalytic activity toward H ₂ O ₂ reduction among pristine 3D MOFs. Journal of Materials Chemistry A, 2022, 11, 31-40.	5.2	7
791	Bioengineered Metallic Nanomaterials for Nanoscale Drug Delivery Systems. Nanotechnology in the Life Sciences, 2022, , 187-225.	0.4	2
792	Two-dimensional materials for electrocatalysis and energy storage applications. Inorganic Chemistry Frontiers, 2022, 9, 6008-6046.	3.0	9
793	A flexible route to crisp-like metal-organic framework derivatives by crystalline transformation. Inorganic Chemistry Frontiers, 0, , .	3.0	0
794	Compositing of MOFs with ceramic and nanoparticles for efficient and rapid adsorptive desalination of artificial seawater or NaCl solution. RSC Advances, 2022, 12, 29793-29804.	1.7	1
795	Nanozyme Based on Porphyrinic Metal-Organic Framework for Electrocatalytic CO ₂ Reduction. Small Structures, 2023, 4, .	6.9	2
796	A Janus heteroatom-doped carbon electrocatalyst for hydrazine oxidation. National Science Review, 2023, 10, .	4.6	16
797	Synthesis of copper/chromium metal organic frameworks - Derivatives as an advanced electrode material for high-performance supercapacitors. Ceramics International, 2023, 49, 5119-5129.	2.3	33
798	Conductive and Ultrastable Covalent Organic Framework/Carbon Hybrid as an Ideal Electrocatalytic Platform. Journal of the American Chemical Society, 2022, 144, 19973-19980.	6.6	32

#	ARTICLE	IF	CITATIONS
799	In situ construction of SnO-NiO derived from metal-organic frameworks on nickel foam for energy storage devices. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 140, 104553.	2.7	2
800	Metal-organic frameworks for advanced aqueous ion batteries and supercapacitors. <i>EnergyChem</i> , 2022, 4, 100090.	10.1	22
801	The promoting effect of alkali metal and H ₂ O on Mn-MOF derivatives for toluene oxidation: A combined experimental and theoretical investigation. <i>Journal of Catalysis</i> , 2022, 415, 218-235.	3.1	78
802	The progress of electrochromic materials based on metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214891.	9.5	27
803	Preparation and applications of metal-organic frameworks composed of sulfonic acid. <i>Coordination Chemistry Reviews</i> , 2023, 474, 214868.	9.5	25
804	MOFs with bridging or terminal hydroxo ligands: Applications in adsorption, catalysis, and functionalization. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214912.	9.5	43
805	Metal-organic framework-induced edge-riched growth of layered Bi ₂ Se ₃ towards ultrafast Na-ion storage. <i>Journal of Power Sources</i> , 2023, 555, 232387.	4.0	18
806	Recent advances in metal-organic frameworks-derived carbon-based materials in sulfate radical-based advanced oxidation processes for organic pollutant removal. <i>Chemical Engineering Journal</i> , 2023, 454, 140244.	6.6	27
807	A Novel Membrane-like 2D A TM -MoS ₂ as Anode for Lithium- and Sodium-Ion Batteries. <i>Membranes</i> , 2022, 12, 1156.	1.4	4
808	A comprehensive review on bio-mimicked multimolecular frameworks and supramolecules as scaffolds for enzyme immobilization. <i>Biotechnology and Bioengineering</i> , 2023, 120, 352-398.	1.7	3
809	Ultrahigh pressure-induced modification of morphology and performance of MOFs-derived Cu@C electrocatalysts. <i>Nanoscale Advances</i> , 0, , .	2.2	0
810	Metal-organic framework derived vanadium oxide supported nanoporous carbon structure as a bifunctional electrocatalyst for potential application in metal air batteries. <i>RSC Advances</i> , 2022, 13, 652-664.	1.7	5
811	Size and morphology control of two-dimensional metal-organic frameworks through coordination modulation. <i>Microporous and Mesoporous Materials</i> , 2023, 348, 112379.	2.2	1
812	Emerging applications of metal-organic frameworks and derivatives in solar cells: Recent advances and challenges. <i>Materials Science and Engineering Reports</i> , 2023, 152, 100714.	14.8	12
813	Efficient direct electrocatalysis of nano-dodecahedron for the highly sensitive and selective detection of rutin. <i>Microchemical Journal</i> , 2023, 186, 108332.	2.3	3
814	Layered Double Hydroxides Derived from MIL-88A(Fe) as an Efficient Adsorbent for Enhanced Removal of Lead (II) from Water. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14556.	1.8	3
815	Recent Trends of Microfluidics in Food Science and Technology: Fabrications and Applications. <i>Foods</i> , 2022, 11, 3727.	1.9	9
817	Kinetic and Thermodynamic Insights into Advanced Energy Storage Mechanisms of Battery-Type Bimetallic Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2022, 34, 10338-10346.	3.2	4

#	ARTICLE	IF	CITATIONS
818	Template-free synthesis of hollow carbon-based nanostructures from MOFs for rechargeable battery applications. <i>Science China Chemistry</i> , 2023, 66, 65-77.	4.2	16
819	Composites Filled with Metal Organic Frameworks and Their Derivatives: Recent Developments in Flame Retardants. <i>Polymers</i> , 2022, 14, 5279.	2.0	7
820	Structure Engineering and Electronic Modulation of Transition Metal Interstitial Compounds for Electrocatalytic Water Splitting. <i>Accounts of Materials Research</i> , 2023, 4, 42-56.	5.9	20
821	Characterization of ZnO and Mn-doped ZnO nanoparticles and their antimicrobial activity. <i>Rendiconti Lincei</i> , 2023, 34, 189-198.	1.0	2
822	Nanoarchitectonics of metal-organic frameworks having hydroxy group for adsorption, catalysis, and sensing. <i>Journal of Industrial and Engineering Chemistry</i> , 2023, 119, 181-192.	2.9	8
823	Fe, Ni-modified ZIF-8 as a tensive precursor to derive N-doped carbon as Na and Li-ion batteries anodes. <i>Nanotechnology</i> , 2023, 34, 085401.	1.3	5
824	Review on Porosity Control in Nanostructured Semiconducting Metal Oxides and Its Influence on Chemiresistive Gas Sensing. <i>ACS Applied Nano Materials</i> , 2023, 6, 1027-1049.	2.4	13
825	In Situ Carbon-Encapsulated Copper-Doped Cerium Oxide Derived from MOFs for Boosting CO ₂ -to-CH ₄ Electro-Conversion. <i>ACS Catalysis</i> , 2023, 13, 1545-1553.	5.5	22
826	Photocurrent-Polarity-Switching Photoelectrochemical Biosensor for Switching Spatial Distance Electroactive Tags. <i>ACS Sensors</i> , 2023, 8, 317-325.	4.0	60
827	Mn-NC catalysts derived from metal triazole framework with hierarchical porosity for efficient oxygen reduction. <i>Nanotechnology</i> , 2023, 34, 145403.	1.3	1
828	Metal-Organic Framework Derived Terephthalate Ligand Decorated TiO ₂ with Various Morphologies for Efficient Photocatalytic H ₂ Evolution. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	4
829	Reticular Coordination Induced Interfacial Interstitial Carbon Atoms on Ni Nanocatalysts for Highly Selective Hydrogenation of Bio-Based Furfural under Facile Conditions. <i>Nanomaterials</i> , 2023, 13, 285.	1.9	2
830	Tuning metal oxide-support interaction and crystal structure of prussian blue derived iron-based oxygen carriers for enhanced chemical looping CO ₂ conversion. <i>Separation and Purification Technology</i> , 2023, 310, 123089.	3.9	3
831	Unravelling the influence of interfacial tailoring in metal-organic framework-derived ultrathin sheets of Co ₂ P/Cu ₃ P for high-performance hybrid supercapacitor. <i>Materials Today Sustainability</i> , 2023, 21, 100335.	1.9	7
832	A review on electrocatalysis for alkaline oxygen evolution reaction (OER) by Fe-based catalysts. <i>Journal of Materials Science</i> , 0, , .	1.7	3
833	Ultrafine ZnSe/CoSe nanodots encapsulated in core-shell MOF-derived hierarchically porous N-doped carbon nanotubes for superior lithium/sodium storage. <i>Journal of Materials Chemistry A</i> , 2023, 11, 5056-5066.	5.2	12
834	Multivariate Porphyrinic MOFs as Precursors of Nanoalloy Catalysts for Efficient Dehydrogenation of Hydrogen Molecular Carriers. <i>ACS Applied Energy Materials</i> , 0, , .	2.5	0
835	Oriented Design of Transition-Metal-Oxide Hollow Multishelled Micropolyhedron Derived from Bimetal-Organic Frameworks for the Electrochemical Detection of Multipesticide Residues. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 2600-2609.	2.4	9

#	ARTICLE	IF	CITATIONS
836	Sowing Single Atom Seeds: A Versatile Strategy for Hyper-Low Noble Metal Loading to Boost Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	14
837	UiO-66-derived Ce/Ni-ZrO ₂ nano-catalysts with a large nickel surface area for the highly efficient CO ₂ methanation under high GHSV. <i>Fuel</i> , 2023, 340, 127553.	3.4	2
838	Novel magnetic zeolitic imidazolate framework for room temperature enhanced catalysis. <i>Inorganic Chemistry Communication</i> , 2023, 150, 110463.	1.8	7
839	High-performance depolymerization of lignin by bimetallic Cu-Ni@C catalysts prepared with MOF as a carrier under mild conditions. <i>Applied Catalysis A: General</i> , 2023, 656, 119120.	2.2	3
840	Electrochemical deposition for metal organic Frameworks: Advanced Energy, Catalysis, sensing and separation applications. <i>Journal of Electroanalytical Chemistry</i> , 2023, 937, 117417.	1.9	6
841	Involvement of metal organic frameworks in wearable electrochemical sensor for efficient performance. <i>Trends in Environmental Analytical Chemistry</i> , 2023, 38, e00200.	5.3	22
842	Insight into the surface-reconstruction of metal-organic framework-based nanomaterials for the electrocatalytic oxygen evolution reaction. <i>Coordination Chemistry Reviews</i> , 2023, 484, 215117.	9.5	7
843	A new strategy for preparation of copper oxides composites as anode materials for Li-ion storage. <i>Solid State Ionics</i> , 2023, 394, 116195.	1.3	1
844	Functional metal/covalent organic framework materials for triboelectric nanogenerator. <i>Coordination Chemistry Reviews</i> , 2023, 486, 215118.	9.5	49
845	Flexible 3,5-bis(3,4-dicarboxyphenoxy) benzoic acid based coordination polymers as photocatalysts for the sensitive photodegradation of methylene blue. <i>Polyhedron</i> , 2023, 237, 116393.	1.0	2
846	Metal-organic framework derived core-shell nanoparticles as high performance bifunctional electrocatalysts for HER and OER. <i>Applied Surface Science</i> , 2023, 616, 156499.	3.1	26
847	A metal-organic framework-based immunomodulatory nanoplatfrom for anti-atherosclerosis treatment. <i>Journal of Controlled Release</i> , 2023, 354, 615-625.	4.8	54
848	MOF-related electrocatalysts for sulfur reduction/evolution reactions: Composition modulation, structure design, and mechanism research. <i>EScience</i> , 2023, 3, 100107.	25.0	6
849	Rationally Designed Manganese-Based Metal-Organic Frameworks as Altruistic Metal Oxide Precursors for Noble Metal-Free Oxygen Reduction Reaction. <i>Inorganic Chemistry</i> , 2023, 62, 3026-3035.	1.9	3
850	Fe-metal organic framework converts mechanical energy with piezoelectric polarization to remove carbamazepine in water: Efficiency, pathway and mechanism. <i>Chemical Engineering Journal</i> , 2023, 460, 141839.	6.6	6
851	Metal-organic frameworks-derived layered double hydroxides: From controllable synthesis to various electrochemical energy storage/conversion applications. <i>Advances in Colloid and Interface Science</i> , 2023, 313, 102865.	7.0	15
852	Metal-organic framework and its derivative nanoparticles for effective textile wastewater treatment. , 2023, , 155-188.		0
853	Porous Carbon in Food Industry. <i>Materials Horizons</i> , 2023, , 733-761.	0.3	0

#	ARTICLE	IF	CITATIONS
854	Nanostructured Conducting Polymers and Their Applications in Energy Storage Devices. <i>Polymers</i> , 2023, 15, 1450.	2.0	12
855	Microfluidics-assisted, time-effective and continuous synthesis of bimetallic ZIF-8/67 under different synthesis conditions. <i>Journal of Materials Science</i> , 2023, 58, 5219-5233.	1.7	4
856	A novel electrochemical sensor based on <i>AuNPs/Coâ€œCNs</i> for the simultaneous detection of acetaminophen and 4â€œaminophenol. <i>Electroanalysis</i> , 2023, 35, .	1.5	1
857	Hierarchically Ordered Macroâ€œMesoporous Electrocatalyst with Hydrophilic Surface for Efficient Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2023, 35, .	11.1	30
858	Understanding the synergistically enhanced thermocatalytic decomposition of ammonium perchlorate using cobalt nanoparticle-embedded nitrogen-doped graphitized carbon. <i>Materials Advances</i> , 2023, 4, 2332-2339.	2.6	4
859	Photovoltaic performance of MOF-derived transition metal doped titania-based photoanodes for DSSCs. <i>Scientific Reports</i> , 2023, 13, .	1.6	13
860	Transient and general synthesis of high-density and ultrasmall nanoparticles on two-dimensional porous carbon via coordinated carbothermal shock. <i>Nature Communications</i> , 2023, 14, .	5.8	23
861	Metalâ€œorganic frameworks for solid-state electrolytes: A mini review. <i>Electrochemistry Communications</i> , 2023, 150, 107491.	2.3	18
864	Boosting the Ceramics with In Situ MOF-Derived Nanocarbons. , 0, , 1537-1545.		2
869	Process and manufacturing of nanomaterial-based metal organic frameworks. , 2023, , 55-73.		0
870	Nanomaterials and catalysis. , 2023, , 39-54.		0
896	Recent advances in bimetallic metal-organic frameworks and their derivatives for thermal catalysis. <i>Nano Research</i> , 2023, 16, 12919-12935.	5.8	1
904	Enhancing electrochemical sensing through the use of functionalized graphene composites as nanozymes. <i>Nanoscale</i> , 2023, 15, 16514-16538.	2.8	0
906	Advancing metalâ€œorganic frameworksâ€™ materials chemistry. <i>Advances in Inorganic Chemistry</i> , 2023, , 69-118.	0.4	0
910	Computational modeling guided design of metalâ€œorganic frameworks for photocatalysis â€œ a mini review. <i>Catalysis Science and Technology</i> , 0, , .	2.1	0
917	Tuning atomic-scale sites in metalâ€œorganic framework-based nanozymes for sensitive biosensing. <i>Sensors & Diagnostics</i> , 0, , .	1.9	0
925	MOF-Based Nanoarchitectonics for Lithium-Ion Batteries: A Comprehensive Review. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 0, , .	1.9	0
942	Metal-organic frameworks (MOFs) for photoelectrocatalytic (PEC) reducing carbon dioxide (CO ₂) to hydrocarbon fuels. <i>Nanoscale</i> , 0, , .	2.8	0

#	ARTICLE	IF	CITATIONS
947	Metal-organic frameworks and their derivatives: emerging materials for energy conversion and storage., 2024,, 1-17.		0