

# Metal-Organic Framework Nanosheets: Programmable Electronics, and Separation Applications

Advanced Functional Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A combined bottom-up and top-down strategy to fabricate lanthanide hydrate@2D MOF composite nanosheets for direct white light emission. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14628-14636.	2.7	18
2	Galactose Grafted Two-Dimensional Nanosheets as a Scaffold for the In Situ Synthesis of Silver Nanoparticles: A Potential Catalyst for the Reduction of Nitroaromatics. <i>Chemistry - A European Journal</i> , 2021, 27, 14100-14107.	1.7	0
3	Hydrangea-like architectures composed of Zr-based metal-organic framework nanosheets with enhanced iodine capture. <i>Dalton Transactions</i> , 2021, 50, 16468-16472.	1.6	4
4	Structural design of nanosize-metal-organic framework-based sensors for detection of organophosphorus pesticides in food and water samples: current challenges and future prospects. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 729-764.	5.3	27
5	Thiol-Functionalized Cellulose Wrapped Copperoxide as a Green Nano Catalyst for Regiospecific Azide-Alkyne Cycloaddition Reaction: Application in Rufinamide Synthesis. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 3428-3433.	1.3	7
6	Nanoribbons of 2D materials: A review on emerging trends, recent developments and future perspectives. <i>Coordination Chemistry Reviews</i> , 2022, 453, 214335.	9.5	20
7	Foulant layer degradation of dye in Photocatalytic Membrane Reactor (PMR) containing immobilized and suspended NH <sub>2</sub> -MIL125(Ti) MOF led to water flux recovery. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106999.	3.3	23
8	Two-Dimensional Metal-Organic Framework Nanosheets: Synthesis and Applications in Electrocatalysis and Photocatalysis. <i>ChemSusChem</i> , 2022, 15, .	3.6	33
9	Post-Exfoliation Functionalisation of Metal-Organic Framework Nanosheets via Click Chemistry. <i>Nanoscale</i> , 2022, , .	2.8	4
10	Glutathione-Responsive Heterogeneous Metal-Organic Framework Hybrids for Photodynamic Gene Synergetic Cell Apoptosis. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	8
11	Current Progress and Scalable Approach toward the Synthesis of 2D Metal-Organic Frameworks. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	9
12	Efficient and rapid synthesis of ultrathin nickel-metal organic framework nanosheets for the sensitive determination of glucose. <i>Microchemical Journal</i> , 2022, 179, 107462.	2.3	13
13	2D paddle wheel lanthanide metal-organic framework: Synthesis, structure and exploration of catalytic N-arylation reaction. <i>Polyhedron</i> , 2022, 219, 115789.	1.0	1
14	2D MOF nanosheets as an artificial light-harvesting system with enhanced photoelectric switching performance. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2676-2682.	3.0	10
15	Progress in Development of Photocatalytic Processes for Synthesis of Fuels and Organic Compounds under Outdoor Solar Light. <i>Energy &amp; Fuels</i> , 2022, 36, 4625-4639.	2.5	18
16	Multifunctional TiO <sub>2</sub> /C nanosheets derived from 3D metal-organic frameworks for mild-temperature-photothermal-sonodynamic-chemodynamic therapy under photoacoustic image guidance. <i>Journal of Colloid and Interface Science</i> , 2022, 621, 360-373.	5.0	10
17	Recent trends in covalent functionalization of 2D materials. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 10684-10711.	1.3	20
18	A Review of Metal-Organic Framework-Based Compounds for Environmental Applications. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	15

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19	Advance and prospect of metal-organic frameworks for perovskite photovoltaic devices. <i>Organic Electronics</i> , 2022, 106, 106546.	1.4	24
20	Functional graphitic carbon (IV) nitride: A versatile sensing material. <i>Coordination Chemistry Reviews</i> , 2022, 466, 214611.	9.5	22
21	High-yield synthesis and hybridizations of Cu microplates for catalytic applications. <i>CrystEngComm</i> , 2022, 24, 4454-4464.	1.3	2
22	Organic ultrathin nanostructure arrays: materials, methods and applications. <i>Nanoscale Advances</i> , 0, , .	2.2	1
23	Metal-Organic Framework Nanosheets as Templates to Enhance Performance in Semi-Crystalline Organic Photovoltaic Cells. <i>Advanced Science</i> , 2022, 9, .	5.6	4
24	3D-to-2D Evolution triggered paramagnetic-to-antiferromagnetic transformation. <i>Materials Today Chemistry</i> , 2022, 25, 100923.	1.7	4
25	Multi-responsive luminescent coordination polymer nanosheets for selective detection of nitroaromatics. <i>Chemical Communications</i> , 2022, 58, 7809-7812.	2.2	8
26	Microwave-assisted synthesis of 2D Zr-MOF nanosheets supported gold nanocomposites as efficient catalysts for the reduction of 4-nitrophenol. <i>Journal of Alloys and Compounds</i> , 2022, 922, 165939.	2.8	8
27	Creation of metal-organic framework nanosheets by the Langmuir-Blodgett technique. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214650.	9.5	21
28	Design and synthesis of new luminescent coordination networks of $sq$ topology showing the highest degrees of interpenetration. <i>CrystEngComm</i> , 0, , .	1.3	2
29	Recent Advances in the Construction of 2D Heterostructures for Electrocatalytic Water Splitting. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	2.8	15
30	A facile strategy for engineering heterostructures of Pd nanoparticle-loaded metal-organic framework nanosheets as active hydrogenation catalysts. <i>Journal of Solid State Chemistry</i> , 2022, 316, 123579.	1.4	2
31	Fluorinated metal-organic frameworks for gas separation. <i>Chemical Society Reviews</i> , 2022, 51, 7427-7508.	18.7	76
32	Metal-organic frameworks-based emerging platforms for recognition and monitoring of environmentally hazardous organic contaminants. , 2023, , 577-593.		2
33	Ag@MOF-199 metal organic framework for selective detection of nickel ions in aqueous media. <i>Ceramics International</i> , 2023, 49, 6772-6779.	2.3	11
34	Highly active rGO/Ca-MOF loaded Pd-M (M=Fe, Sb, Pb, Sn, Ag) composite catalysts towards ethylene glycol electrooxidation. <i>Journal of Electroanalytical Chemistry</i> , 2022, 927, 116970.	1.9	2
35	Ultrathin two-dimensional porphyrinic metal-organic framework nanosheets induced by the axial aryl substituent. <i>Chinese Chemical Letters</i> , 2023, 34, 108052.	4.8	3
36	Novel Metal-Organic Framework Materials In-Focus Detection and Adsorption Cues for Environmental Pollutants. <i>Reviews of Environmental Contamination and Toxicology</i> , 2022, 260, .	0.7	1

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37	Nanostructured Transition Metal Sulfide-based Glucose and Lactic Acid Electrochemical Sensors for Clinical Applications. <i>Current Topics in Medicinal Chemistry</i> , 2023, 23, 284-294.	1.0	4
38	2D Metal-Organic Frameworks: Properties, Synthesis, and Applications in Electrochemical and Optical Biosensors. <i>Biosensors</i> , 2023, 13, 123.	2.3	5
39	A siderophore-inspired two-dimensional Fe <sup>II</sup> -hydroxamate metal-organic framework. <i>CrystEngComm</i> , 2023, 25, 1462-1466.	1.3	2
40	Role of cobalt phthalocyanine on the formation of high-valent cobalt species revealed by <i>in situ</i> Raman spectroscopy. <i>Journal of Materials Chemistry A</i> , 2023, 11, 8141-8149.	5.2	6
41	Polyoxometalate-cyclodextrin supramolecular entities for real-time <i>in situ</i> monitoring of dopamine released from neuroblastoma cells. <i>Biosensors and Bioelectronics</i> , 2023, 229, 115240.	5.3	4
42	Recent Advances and New Challenges: Two-Dimensional Metal-Organic Framework and Their Composites/Derivatives for Electrochemical Energy Conversion and Storage. <i>International Journal of Energy Research</i> , 2023, 2023, 1-47.	2.2	3
43	Tunable Fluorescent Artificial Receptor Biosensor Based on Programmable Lanthanide Metal-Organic Framework for Highly Selective Neurotransmitter Detection. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	13
44	Controlling the Composition and Position of Metal-Organic Frameworks via Reactive Inkjet Printing. <i>Advanced Materials Interfaces</i> , 2023, 10, .	1.9	2
46	IRMOF-3 nanosheet-filled glass fiber membranes for efficient separation of hydrogen and carbon dioxide. <i>Separation and Purification Technology</i> , 2023, 318, 123908.	3.9	2
49	Advances in 2D MOFs for Environmental Applications. <i>Springer Series in Materials Science</i> , 2023, , 327-349.	0.4	0
57	Development of electrical conductivity-based photosensitive switching devices using metal complexes with Schiff base ligands. <i>Materials Advances</i> , 0, , .	2.6	0
73	A Review on the Chemical Vapor Deposition Synthesis of 2D Materials and Their Applications. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2024, , 270-294.	0.2	0