

# Adsorption and Detection of Hazardous Trace Gases by

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Microporous metal-organic frameworks with open metal sites and $\pi$ -Lewis acidic pore surfaces for recovering ethylene from polyethylene off-gas. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20822-20828.	5.2	30
2	Advanced Materials for Next-Generation Spacecraft. <i>Advanced Materials</i> , 2018, 30, e1802201.	11.1	92
3	Nanometer-scaled iridium particles gas-phase-loaded into the pores of the metal-organic framework MIL-101. <i>Polyhedron</i> , 2018, 155, 441-446.	1.0	7
4	Recent progress in biological and chemical sensing by luminescent metal-organic frameworks. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1346-1370.	4.0	85
5	Study on Adsorption and Desorption Performances of Trace C <sub>4</sub> -C <sub>6</sub> Alkane Mixture on MIL-101(Cr) and WS-480. <i>Energy &amp; Fuels</i> , 2019, 33, 7587-7594.	2.5	3
6	Metal-Organic Framework Composites for Catalysis. <i>Matter</i> , 2019, 1, 57-89.	5.0	308
7	Fluorescence sensing of H <sub>2</sub> O in alcohols solvents based on instability of the by-product from synthesis of metal-organic framework. <i>Microporous and Mesoporous Materials</i> , 2019, 290, 109624.	2.2	5
8	Electrospun Ceramic Nanofibers and Hybrid-Nanofiber Composites for Gas Sensing. <i>ACS Applied Nano Materials</i> , 2019, 2, 4026-4042.	2.4	70
9	A FRET probe for the detection of alkylating agents. <i>Chemical Communications</i> , 2019, 55, 8655-8658.	2.2	16
10	Porous metal-organic frameworks for gas storage and separation: Status and challenges. <i>EnergyChem</i> , 2019, 1, 100006.	10.1	434
11	A Hydrogen-Bonded Organic Framework (HOF) with Type-IV NH <sub>3</sub> Adsorption Behavior. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16152-16155.	7.2	77
12	3D-Superstructured Networks Comprising Fe-MIL-88A Metal-Organic Frameworks Under Mechanochemical Conditions. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4597-4600.	1.0	18
13	Metal-Organic Framework and Hydrogel Based Strategy as a Universal First-Aid Treatment of Three Different Typical Snake Bites. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6265-6273.	2.6	2
14	Modular Synthesis of Highly Porous Zr-MOFs Assembled from Simple Building Blocks for Oxygen Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 42179-42185.	4.0	17
15	Subppm Amine Detection via Absorption and Luminescence Turn-On Caused by Ligand Exchange in Metal Organic Frameworks. <i>Analytical Chemistry</i> , 2019, 91, 15853-15859.	3.2	37
16	On the Use of MOFs and ALD Layers as Nanomembranes for the Enhancement of Gas Sensors Selectivity. <i>Nanomaterials</i> , 2019, 9, 1552.	1.9	11
17	A Hydrogen-Bonded Organic Framework (HOF) with Type-IV NH <sub>3</sub> Adsorption Behavior. <i>Angewandte Chemie</i> , 2019, 131, 16298-16301.	1.6	14
18	Compartmentalization within Nanofibers of Double-Decker Phthalocyanine Induces High-Performance Sensing in both Aqueous Solution and the Gas Phase. <i>Chemistry - A European Journal</i> , 2019, 25, 16207-16213.	1.7	7

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19	Kinetic stability of metal-organic frameworks for corrosive and coordinating gas capture. <i>Nature Reviews Materials</i> , 2019, 4, 708-725.	23.3	214
20	Quantitative Assessment of Vapor Molecule Adsorption to Solid Surfaces by Flow Rate Monitoring in Microfluidic Channels. <i>Analytical Chemistry</i> , 2019, 91, 12827-12834.	3.2	6
21	Ferrocene-Linkage-Facilitated Charge Separation in Conjugated Microporous Polymers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4221-4226.	7.2	109
22	Ferrocene-Linkage-Facilitated Charge Separation in Conjugated Microporous Polymers. <i>Angewandte Chemie</i> , 2019, 131, 4265-4270.	1.6	11
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26	Responsive Amorphous Photonic Structures of Spherical/Polyhedral Colloidal Metal-Organic Frameworks. <i>Advanced Optical Materials</i> , 2019, 7, 1900522.	3.6	27
27	Ultrasonic spray deposition as a new route to luminescent MOF film synthesis. <i>Journal of Luminescence</i> , 2019, 212, 322-327.	1.5	13
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34	Determination of the optimum porosity for 2-CEES adsorption by activated carbon fiber from various precursors. <i>Carbon Letters</i> , 2019, 29, 649-654.	3.3	13
35	Two 2D Zinc(II) Coordination Polymers and Their Orange IV Composites: Preparation, Structures, and Photocurrent Responses. <i>Crystal Growth and Design</i> , 2019, 19, 211-218.	1.4	14
36	ZnO@ZIF-8 core-shell microspheres for improved ethanol gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 421-427.	4.0	113

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45	Pillar-Layered Metal-Organic Frameworks Based on a Hexaprismane [Co <sub>6</sub> ( <sup>143</sup> OH) <sub>6</sub> ] Cluster: Structural Modulation and Catalytic Performance in Aerobic Oxidation Reaction. Inorganic Chemistry, 2020, 59, 11728-11735.	1.9	17
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65	Curating Metal-Organic Frameworks To Compose Robust Gas Sensor Arrays in Dilute Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 6546-6564.	4.0	25
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74	An inorganic-organic hydrogen cluster: Fluorescence response of the high efficient detection of Fe <sup>3+</sup> , OH <sup>-</sup> and nitro explosives. <i>Journal of Molecular Structure</i> , 2021, 1225, 129115.	1.8	4
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