

Enzymeâ€™MOF (metalâ€™organic framework) composi

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Straightforward Loading of Imidazole Molecules into Metal-Organic Framework for High Proton Conduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 15604-15607.	6.6	290
2	Control the Structure of Zr-Tetracarboxylate Frameworks through Steric Tuning. <i>Journal of the American Chemical Society</i> , 2017, 139, 16939-16945.	6.6	153
3	Highly shape- and regio-selective peroxy-trifluoromethylation of styrene by metal-organic framework Cu <sub>3</sub> (BTC) <sub>2</sub> . <i>Catalysis Science and Technology</i> , 2017, 7, 5872-5881.	2.1	17
4	Flexible Zirconium MOFs as Bromine-Nanocontainers for Bromination Reactions under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14622-14626.	7.2	65
5	Flexible Zirconium MOFs as Bromine-Nanocontainers for Bromination Reactions under Ambient Conditions. <i>Angewandte Chemie</i> , 2017, 129, 14814-14818.	1.6	13
6	A facile strategy for enzyme immobilization with highly stable hierarchically porous metal-organic frameworks. <i>Nanoscale</i> , 2017, 9, 17561-17570.	2.8	117
7	A Dense I <sup>1</sup> O <sup>3</sup> Hybrid Superhydrophobic Network, Pb(H-BTMB), Exhibits Selectivity toward CO <sub>2</sub> Gas Sorption. <i>Inorganic Chemistry</i> , 2017, 56, 11184-11189.	1.9	16
8	Structures and Properties of New Cadmium(II) and Copper(II) Metal-Organic Frameworks Based on Flexible Bridged 1,4-bis(1H-imidazol-1-yl)butane Ligand. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 156-165.	1.9	2
9	In situ hybridization of enzymes and their metal-organic framework analogues with enhanced activity and stability by biomimetic mineralisation. <i>Nanoscale</i> , 2017, 9, 15298-15302.	2.8	55
10	Nanosheets of Two-Dimensional Magnetic and Conducting Fe(II)/Fe(III) Mixed-Valence Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26210-26218.	4.0	89
11	Introduction of Red-Green-Blue Fluorescent Dyes into a Metal-Organic Framework for Tunable White Light Emission. <i>Advanced Materials</i> , 2017, 29, 1700778.	11.1	219
12	Porous crystalline materials: closing remarks. <i>Faraday Discussions</i> , 2017, 201, 395-404.	1.6	11
13	Enzyme-embedded metal-organic framework membranes on polymeric substrates for efficient CO <sub>2</sub> capture. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19954-19962.	5.2	74
14	High efficiency and long-term intracellular activity of an enzymatic nanofactory based on metal-organic frameworks. <i>Nature Communications</i> , 2017, 8, 2075.	5.8	123
15	Efficient Capture and Effective Sensing of Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> from Water Using a Zirconium Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2017, 56, 14178-14188.	1.9	189
16	GOx@ZIF-8(NiPd) Nanoflower: An Artificial Enzyme System for Tandem Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 16298-16301.	1.6	64
17	GOx@ZIF-8(NiPd) Nanoflower: An Artificial Enzyme System for Tandem Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16082-16085.	7.2	323
18	Nanoparticle/Metal-Organic Framework Composites for Catalytic Applications: Current Status and Perspective. <i>Molecules</i> , 2017, 22, 2103.	1.7	117

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19	Synthesis of patterned enzyme-metal-organic framework composites by ink-jet printing. <i>Bioresources and Bioprocessing</i> , 2017, 4, .	2.0	24
20	Controlled Polymerization of Isoprene with Chromium-Based Metal-Organic Framework Catalysts: Switching from Cyclic to <i>cis</i> -Selectivity Depending on Activator. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800002.	2.0	7
21	Combi-metal organic framework (Combi-MOF) of $\alpha$ -amylase and glucoamylase for one pot starch hydrolysis. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 464-475.	3.6	93
22	Incorporation of In <sub>2</sub> S <sub>3</sub> Nanoparticles into a Metal-Organic Framework for Ultrafast Removal of Hg from Water. <i>Inorganic Chemistry</i> , 2018, 57, 4891-4897.	1.9	67
23	Three Cd(II) MOFs with Different Functional Groups: Selective CO <sub>2</sub> Capture and Metal Ions Detection. <i>Inorganic Chemistry</i> , 2018, 57, 5232-5239.	1.9	78
24	Efficient separation of C <sub>2</sub> H <sub>2</sub> from C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> mixtures in an acid-base resistant metal-organic framework. <i>Chemical Communications</i> , 2018, 54, 4846-4849.	2.2	62
25	NanoMOFs: little crystallites for substantial applications. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7338-7350.	5.2	79
26	A Novel Layered Anchoring Structure Immobilized Cellulase via Covalent Binding of Cellulase on MNPs Anchored by LDHs. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1624-1635.	1.9	8
27	Biomolecule-embedded metal-organic frameworks as an innovative sensing platform. <i>Biotechnology Advances</i> , 2018, 36, 467-481.	6.0	81
28	Candida rugosa lipase immobilization on various chemically modified Chromium terephthalate MIL-101. <i>Journal of Molecular Liquids</i> , 2018, 254, 137-144.	2.3	31
29	Bioreactors Based on Enzymes Encapsulated in Photoresponsive Transformable Nanotubes and Nanocoils End-Capped with Magnetic Nanoparticles. <i>Advanced Biology</i> , 2018, 2, 1700214.	3.0	12
30	Engineering a Zirconium MOF through Tandem $\alpha$ -Click-Reactions: A General Strategy for Quantitative Loading of Bifunctional Groups on the Pore Surface. <i>Inorganic Chemistry</i> , 2018, 57, 2288-2295.	1.9	28
31	Peroxidase-like activity of 2,7-difluorofluorescein and its application for galactose detection. <i>Talanta</i> , 2018, 182, 422-427.	2.9	27
32	Metal Doped Core-Shell Metal-Organic Frameworks@Covalent Organic Frameworks (MOFs@COFs) Hybrids as a Novel Photocatalytic Platform. <i>Advanced Functional Materials</i> , 2018, 28, 1707110.	7.8	188
33	Chemically Active, Porous 3D-Printed Thermoplastic Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15112-15121.	4.0	73
34	Recent advances in biomolecule immobilization based on self-assembly: organic-inorganic hybrid nanoflowers and metal-organic frameworks as novel substrates. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1581-1594.	2.9	69
35	Titanium-based metal-organic frameworks for photocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2018, 359, 80-101.	9.5	246
36	Metal-Organic Frameworks-Derived Hierarchical Co <sub>3</sub> O <sub>4</sub> Structures as Efficient Sensing Materials for Acetone Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9765-9773.	4.0	215

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38	One-pot synthesis of microporous nanoscale metal organic frameworks conjugated with laccase as a promising biocatalyst. <i>New Journal of Chemistry</i> , 2018, 42, 4192-4200.	1.4	72
39	Phototriggered Mechanical Movement in A Bipyridinium-based Coordination Polymer Powered by Electron Transfer. <i>Inorganic Chemistry</i> , 2018, 57, 2724-2729.	1.9	15
40	Effect of Defects on the Mechanical Deformation Mechanisms of Metal-Organic Framework-5: A Molecular Dynamics Investigation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4300-4306.	1.5	13
41	Stable Metal-Organic Frameworks: Design, Synthesis, and Applications. <i>Advanced Materials</i> , 2018, 30, e1704303.	11.1	1,740
42	Preparation of porous hollow Fe <sub>3</sub> O <sub>4</sub> /P(GMA-DVB-St) microspheres and application for lipase immobilization. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 771-779.	1.7	6
43	Physical Biology of the Materials-Microorganism Interface. <i>Journal of the American Chemical Society</i> , 2018, 140, 1978-1985.	6.6	115
44	An easily synthesized microporous framework material for the selective capture of radioactive Cs <sup>+</sup> and Sr <sup>2+</sup> ions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3967-3976.	5.2	87
45	Pore Environment Control and Enhanced Performance of Enzymes Infiltrated in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 984-992.	6.6	310
46	Liquid-free single-crystal to single-crystal transformations in coordination polymers. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 279-300.	3.0	49
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48	Enzyme-MOF Nanoreactor Activates Nontoxic Paracetamol for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5725-5730.	7.2	217
49	Stable metal-organic frameworks as a host platform for catalysis and biomimetics. <i>Chemical Communications</i> , 2018, 54, 4231-4249.	2.2	137
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51	Advances on methods and easy separated support materials for enzymes immobilization. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 332-342.	5.8	296
52	Enzyme-MOF Nanoreactor Activates Nontoxic Paracetamol for Cancer Therapy. <i>Angewandte Chemie</i> , 2018, 130, 5827-5832.	1.6	42
53	Investigation of Controlled Growth of Metal-Organic Frameworks on Anisotropic Virus Particles. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18161-18169.	4.0	83
54	Analysis of <i>Aspergillus</i> sp. lipase immobilization for the application in organic synthesis. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 1165-1175.	3.6	23

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56	Metal-organic framework composites as electrocatalysts for electrochemical sensing applications. Coordination Chemistry Reviews, 2018, 357, 105-129.	9.5	262
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74	Enzyme Encapsulation in Mesoporous Metal-Organic Frameworks for Selective Biodegradation of Harmful Dye Molecules. <i>Angewandte Chemie</i> , 2018, 130, 16373-16378.	1.6	28
75	Enzyme Encapsulation in Mesoporous Metal-Organic Frameworks for Selective Biodegradation of Harmful Dye Molecules. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16141-16146.	7.2	128
76	Polymer@MOFs capsules prepared through controlled interfacial mineralization for switching on/off enzymatic reactions. <i>Applied Materials Today</i> , 2018, 13, 320-328.	2.3	14
77	User-Tailored Metal-Organic Frameworks as Supports for Carbonic Anhydrase. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41326-41337.	4.0	49
78	All-Inorganic Ionic Porous Material Based on Giant Spherical Polyoxometalates Containing Core-Shell $K_{6@K_{36}}$ -Water Cage. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15777-15781.	7.2	71
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91	Nanozyme: An emerging alternative to natural enzyme for biosensing and immunoassay. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 218-224.	5.8	513
92	Flexible and Hierarchical Metal-Organic Framework Composites for High-Performance Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8916-8920.	7.2	98
93	Flexible and Hierarchical Metal-Organic Framework Composites for High-Performance Catalysis. <i>Angewandte Chemie</i> , 2018, 130, 9054-9058.	1.6	18
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101	Glucose-Responsive Metal-Organic-Framework Nanoparticles Act as "Smart-Sense-and-Treat Carriers. <i>ACS Nano</i> , 2018, 12, 7538-7545.	7.3	203
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103	Silica encapsulated catalase@metal-organic framework composite: A highly stable and recyclable biocatalyst. <i>Chemical Engineering Journal</i> , 2018, 351, 506-514.	6.6	93
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114	Recent progress in nanostructured magnetic framework composites (MFCs): Synthesis and applications. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 653-677.	2.7	47
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129	Palladium-mediated hybrid biocatalysts with enhanced enzymatic catalytic performance via allosteric effects. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 1-8.	5.0	18
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131	Robust Corrole-Based Metal-Organic Frameworks with Rare 9-Connected Zr/Hf-Oxo Clusters. <i>Journal of the American Chemical Society</i> , 2019, 141, 14443-14450.	6.6	83
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