

Applications of metal-organic frameworks in heterog

Chemical Society Reviews

43, 6011-6061

DOI: [10.1039/c4cs00094c](https://doi.org/10.1039/c4cs00094c)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Perspective: Metal-organic frameworksâ€”Opportunities and challenges. <i>APL Materials</i> , 2014, 2, .	2.2	3
2	Environmentally-Friendly Designs and Syntheses of Metal-Organic Frameworks (MOFs). <i>ACS Symposium Series</i> , 2014, , 161-183.	0.5	12
3	A Facile and General Coating Approach to Moisture/Water-Resistant Metalâ€”Organic Frameworks with Intact Porosity. <i>Journal of the American Chemical Society</i> , 2014, 136, 16978-16981.	6.6	445
5	A green and facile approach to obtain 100 nm zeolitic imidazolate framework-90 (ZIF-90) particles via leveraging viscosity effects. <i>RSC Advances</i> , 2014, 4, 52883-52886.	1.7	15
6	An overview: synthesis of thin films/membranes of metal organic frameworks and its gas separation performances. <i>RSC Advances</i> , 2014, 4, 54322-54334.	1.7	65
7	Rational construction of metalâ€”organic frameworks for heterogeneous catalysis. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 721-734.	3.0	64
8	A Hafnium-Based Metalâ€”Organic Framework as an Efficient and Multifunctional Catalyst for Facile CO ₂ Fixation and Regioselective and Enantioselective Epoxide Activation. <i>Journal of the American Chemical Society</i> , 2014, 136, 15861-15864.	6.6	470
9	Two 3D photoluminescent Zn(II) complexes constructed from 5-amino-1-H-tetrazole with aromatic polycarboxylate ligands. <i>RSC Advances</i> , 2014, 4, 56434-56439.	1.7	7
10	Beyond Custom Design of Organic Ligands: An Integrative Strategy for Metal-Organic Frameworks Design. <i>Comments on Inorganic Chemistry</i> , 2014, 34, 125-141.	3.0	12
11	A Series of Cu(II)-Ln(III) Metalâ€”Organic Frameworks Based on 2,2'-Bipyridine-3,3'-dicarboxylic Acid: Syntheses, Structures, and Magnetic Properties. <i>Crystal Growth and Design</i> , 2014, 14, 6409-6420.	1.4	20
12	Ligand design for long-range magnetic order in metalâ€”organic frameworks. <i>Chemical Communications</i> , 2014, 50, 13990-13993.	2.2	52
13	MOF-Derived Cobalt-Doped ZnO@C Composites as a High-Performance Anode Material for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17067-17074.	4.0	158
14	A Systematic Study on the Stability of Porous Coordination Polymers against Ammonia. <i>Chemistry - A European Journal</i> , 2014, 20, 15611-15617.	1.7	73
15	A 3-D diamondoid MOF catalyst based on in situ generated [Cu(L) ₂] N-heterocyclic carbene (NHC) linkers: hydroboration of CO ₂ . <i>Chemical Communications</i> , 2014, 50, 11760-11763.	2.2	70
16	Coordination Polymer Flexibility Leads to Polymorphism and Enables a Crystalline Solidâ€”Vapour Reaction: A Multiâ€”technique Mechanistic Study. <i>Chemistry - A European Journal</i> , 2015, 21, 8799-8811.	1.7	25
17	Synthesis, structure, and luminescent properties of layered coordination polymer based on cadmium(II) 2,5-furandicarboxylate. <i>Russian Chemical Bulletin</i> , 2015, 64, 613-617.	0.4	2
18	Surfactant-Mediated Conformal Overgrowth of Core-Shell Metal-Organic Framework Materials with Mismatched Topologies. <i>Small</i> , 2015, 11, 5551-5555.	5.2	104
20	Cooperative Cluster Metalation and Ligand Migration in Zirconium Metalâ€”Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14696-14700.	7.2	169

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21	Oxygenâ€Controlled Catalysis by Vitamin B ₁₂ â€TiO ₂ : Formation of Esters and Amides from Trichlorinated Organic Compounds by Photoirradiation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15439-15443.	7.2	59
22	Influence of the Base on Pd@MIL-101â€NH ₂ (Cr) as Catalyst for the Suzukiâ€Miyaura Crossâ€Coupling Reaction. <i>Chemistry - A European Journal</i> , 2015, 21, 10896-10902.	1.7	54
23	Understanding Smallâ€Molecule Interactions in Metalâ€Organic Frameworks: Coupling Experiment with Theory. <i>Advanced Materials</i> , 2015, 27, 5785-5796.	11.1	33
26	Titanium Dioxide Reinforced Metalâ€Organic Framework Pd Catalysts: Activity and Reusability Enhancement in Alcohol Dehydrogenation Reactions and Improved Photocatalytic Performance. <i>ChemCatChem</i> , 2015, 7, 3916-3922.	1.8	29
27	Monitoring and Understanding the Paraelectricâ€Ferroelectric Phase Transition in the Metalâ€Organic Framework [NH ₄] ₃ [M(HCOO) ₃] by Solidâ€State NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2015, 21, 14348-14361.	1.7	36
28	Green Synthesis of a Microporous, Partially Fluorinated Zn ^{II} Paddlewheel Metalâ€Organic Framework: H ₂ /CO ₂ Adsorption Behavior and Solidâ€State Conversion to a ZnOâ€C Nanocomposite. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5669-5676.	1.0	28
29	Tailoring the Optical Absorption of Waterâ€Stable Zr ^{IV} and Hf ^{IV} -Based Metalâ€Organic Framework Photocatalysts. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2660-2668.	1.7	62
30	<i>D</i> _{3h} -Symmetric Porphyrinâ€Based Rigid Macrocyclic Ligands for Multifacial Multinuclear Complexes in a Oneâ€Nanometerâ€Sized Cavity. <i>Chemistry - A European Journal</i> , 2015, 21, 11745-11756.	1.7	10
31	Postsynthesisâ€Treated Ironâ€Based Metalâ€Organic Frameworks as Selective Catalysts for the Sustainable Synthesis of Nitriles. <i>ChemSusChem</i> , 2015, 8, 3270-3282.	3.6	19
32	Exploiting Largeâ€Pore Metalâ€Organic Frameworks for Separations through Entropic Molecular Mechanisms. <i>ChemPhysChem</i> , 2015, 16, 2046-2067.	1.0	27
33	Biomimetic Replication of Microscopic Metalâ€Organic Framework Patterns Using Printed Protein Patterns. <i>Advanced Materials</i> , 2015, 27, 7293-7298.	11.1	97
35	A Flexible Photoactive Titanium Metalâ€Organic Framework Based on a [Ti ^{IV}] ₃ (μ_4) ₃ (O)(O) ₂ (COO) ₆ Cluster. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13912-13917.	7.2	103
36	Cycloadditions to Epoxides Catalyzed by Groupâ€IIIâ€V Transitionâ€Metal Complexes. <i>ChemCatChem</i> , 2015, 7, 1906-1917.	1.8	90
37	Singleâ€Crystal to Singleâ€Crystal Linker Substitution, Linker Place Exchange, and Transmetalation Reactions in Interpenetrated Pillaredâ€Bilayer Zinc(II) Metalâ€Organic Frameworks. <i>Chemistry - A European Journal</i> , 2015, 21, 17422-17429.	1.7	32
38	Rational Design and Synthesis of a Highly Porous Copperâ€Based Interpenetrated Metalâ€Organic Framework for High CO ₂ and H ₂ Adsorption. <i>ChemPlusChem</i> , 2015, 80, 1259-1266.	1.3	9
39	Synthesis and Catalytic Performance of Hierarchically Porous MIL-100(Fe)@polyHIPE Hybrid Membranes. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1605-1611.	2.0	56
40	Metalâ€Ion Metathesis and Properties of Triarylboronâ€Functionalized Metalâ€Organic Frameworks. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1535-1540.	1.7	10
41	Editorial (Thematic Issue: Supramolecular Catalysis: Non-Covalent Interactions in the Organic) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i>	0.3	0

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42	A discrete self-assembled palladium nano-cage catalyses Suzuki–Miyaura coupling heterogeneously and Heck–Mizoroki coupling homogeneously. <i>New Journal of Chemistry</i> , 2015, 39, 5759-5766.	1.4	13
43	Dual amplifying fluorescence anisotropy for detection of respiratory syncytial virus DNA fragments with size-control synthesized metal–organic framework MIL-101. <i>RSC Advances</i> , 2015, 5, 46301-46306.	1.7	27
44	A pillar-layer MOF for detection of small molecule acetone and metal ions in dilute solution. <i>RSC Advances</i> , 2015, 5, 48881-48884.	1.7	31
45	Auxiliary Ligand-Assisted Structural Variation of Cd(II) Metal–Organic Frameworks Showing 2D \rightarrow 3D Polycatenation and Interpenetration: Synthesis, Structure, Luminescence Properties, and Selective Sensing of Trinitrophenol. <i>Crystal Growth and Design</i> , 2015, 15, 3356-3365.	1.4	125
46	A luminescent cadmium (Cd^{II}) metal–organic framework based on a triazolate–carboxylate ligand exhibiting selective gas adsorption and guest-dependent photoluminescence properties. <i>CrystEngComm</i> , 2015, 17, 4787-4792.	1.3	30
47	The Biginelli reaction under batch and continuous flow conditions: catalysis, mechanism and antitumoral activity. <i>RSC Advances</i> , 2015, 5, 48506-48515.	1.7	51
48	Integration of a semi-rigid proline ligand and 4,4'-bipyridine in the synthesis of homochiral metal–organic frameworks with helices. <i>Dalton Transactions</i> , 2015, 44, 11052-11056.	1.6	11
49	Nickel(II) and copper(I,II)-based metal-organic frameworks incorporating an extended tris-pyrazolate linker. <i>CrystEngComm</i> , 2015, 17, 4992-5001.	1.3	23
50	Metal organic frameworks from extended, conjugated pentiptycene-based ligands. <i>CrystEngComm</i> , 2015, 17, 4912-4918.	1.3	13
51	Synthesis of nanocrystals of Zr-based metal–organic frameworks with csq-net: significant enhancement in the degradation of a nerve agent simulant. <i>Chemical Communications</i> , 2015, 51, 10925-10928.	2.2	194
52	Controllable assemblies of Cd(II) supramolecular coordination complexes based on a versatile tripyridyltriazole ligand and halide/pseudo-halide anions. <i>Journal of Molecular Structure</i> , 2015, 1096, 136-141.	1.8	5
53	Water-based synthesis of zeolitic imidazolate framework-8 with high morphology level at room temperature. <i>RSC Advances</i> , 2015, 5, 48433-48441.	1.7	276
54	Preparation and catalytic applications of nanomaterials: a review. <i>RSC Advances</i> , 2015, 5, 53381-53403.	1.7	231
55	Electrosynthesis of Metal–Organic Frameworks: Challenges and Opportunities. <i>ChemElectroChem</i> , 2015, 2, 462-474.	1.7	199
56	Synthesis, structure and thermal study of a new 3-aminopyrazine-2-carboxylate based zinc(II) coordination polymer. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2015, 230, 413-419.	0.4	2
57	Influence of noncovalent interactions on the structures of metal–organic hybrids based on a [VO ₂ (2,6-pydc)] ⁺ tecton with cations of imidazole, pyridine and its derivatives. <i>New Journal of Chemistry</i> , 2015, 39, 4265-4277.	1.4	14
58	Effect of the functionalisation route on a Zr-MOF with an Ir–NHC complex for catalysis. <i>Chemical Communications</i> , 2015, 51, 10864-10867.	2.2	46
59	New Zr (IV) based metal-organic framework comprising a sulfur-containing ligand: Enhancement of CO ₂ and H ₂ storage capacity. <i>Microporous and Mesoporous Materials</i> , 2015, 215, 116-122.	2.2	56

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61	Syntheses, structures and anion exchange properties of accommodative silver chains using a positively charged and flexible ligand. <i>Inorganica Chimica Acta</i> , 2015, 434, 158-171.	1.2	13
62	Modulating structural dimensionality of cadmium(II) coordination polymers by means of pyrazole, tetrazole and pyrimidine derivative ligands. <i>Journal of Molecular Structure</i> , 2015, 1089, 135-145.	1.8	9
63	Synthesis, crystal structures, luminescence and catalytic properties of two d10 metal coordination polymers constructed from mixed ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 139, 442-448.	2.0	33
64	Highly Water-Stable Zirconium Metal-Organic Framework UiO-66 Membranes Supported on Alumina Hollow Fibers for Desalination. <i>Journal of the American Chemical Society</i> , 2015, 137, 6999-7002.	6.6	591
65	Complex three-dimensional lanthanide metal-organic frameworks with variable coordination spheres based on pyrazine-2,3,5,6-tetracarboxylate. <i>CrystEngComm</i> , 2015, 17, 5377-5388.	1.3	4
66	Function-led design of new porous materials. <i>Science</i> , 2015, 348, aaa8075.	6.0	1,272
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71	Amine-grafted on lanthanide metal-organic frameworks: Three solid base catalysts for Knoevenagel condensation reaction. <i>Chinese Journal of Catalysis</i> , 2015, 36, 1949-1956.	6.9	21
72	Crystal structures of copper(II) and zinc(II) complexes derived from 3-(2-pyridyl)pyrazole. <i>Journal of Structural Chemistry</i> , 2015, 56, 1124-1129.	0.3	3
73	Recent progress in the synthesis of metal-organic frameworks. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 054202.	2.8	196
74	An unprecedented twelve-connected 3D metal-organic framework based on heptanuclear cobalt cluster building blocks. <i>Inorganic Chemistry Communication</i> , 2015, 62, 98-102.	1.8	3
75	Construction of 0D, 1D and 2D cobalt(II) complexes containing flexible bis(benzimidazole) and dicarboxylic acid ligands. <i>Transition Metal Chemistry</i> , 2015, 40, 99-108.	0.7	13
76	4-(4-Carboxyphenoxy)phthalate-based coordination polymers and their application in sensing nitrobenzene. <i>Dalton Transactions</i> , 2015, 44, 1655-1663.	1.6	43
77	Metal cluster-based functional porous coordination polymers. <i>Coordination Chemistry Reviews</i> , 2015, 293-294, 263-278.	9.5	234

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79	Chain, ladder and self-penetrated cobalt and nickel coordination polymers containing sterically bulky isophthalate and long-spanning dipyrindylamide ligands. Inorganica Chimica Acta, 2015, 428, 65-72.	1.2	8
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81	Synthesis, Structure, and Electron Paramagnetic Resonance Study of a Mixed Valent Metal-Organic Framework Containing Cu ₂ Paddle-Wheel Units. Journal of Physical Chemistry C, 2015, 119, 4898-4907.	1.5	43
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84	Polar Group and Defect Engineering in a Metal-Organic Framework: Synergistic Promotion of Carbon Dioxide Sorption and Conversion. ChemSusChem, 2015, 8, 878-885.	3.6	193
85	A metal (Co)-organic framework-based chemiluminescence system for selective detection of ^l -cysteine. Analyst, The, 2015, 140, 2656-2663.	1.7	79
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94	Theoretical investigation for adsorption of CO ₂ and CO on MIL-101 compounds with unsaturated metal sites. Computational and Theoretical Chemistry, 2015, 1055, 8-14.	1.1	15
95	Solvent Templates Induced Porous Metal-Organic Materials: Conformational Isomerism and Catalytic Activity. Inorganic Chemistry, 2015, 54, 1405-1413.	1.9	61

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97	Metal–organic frameworks catalyzed C and C heteroatom coupling reactions. <i>Chemical Society Reviews</i> , 2015, 44, 1922-1947.	18.7	348
98	Additive Effects in the Formation of Fluorescent Zinc Metal–Organic Frameworks with 5-Hydroxyisophthalate. <i>Crystal Growth and Design</i> , 2015, 15, 1452-1459.	1.4	17
99	Spectroscopic and Crystallographic Investigations of Novel BODIPY-Derived Metal–Organic Frameworks. <i>Inorganic Chemistry</i> , 2015, 54, 1346-1353.	1.9	43
100	Syntheses, structures, gas adsorption and reversible iodine adsorption of two porous Cu(II) MOFs. <i>CrystEngComm</i> , 2015, 17, 1583-1590.	1.3	17
101	Assembly of a Three-Dimensional Metal–Organic Framework with Copper(I) Iodide and 4-(Pyrimidin-5-yl) Benzoic Acid: Controlled Uptake and Release of Iodine. <i>Crystal Growth and Design</i> , 2015, 15, 915-920.	1.4	60
102	Synthesis, Structural Characterization, Properties of a Silver Coordination Polymer Based on [1,1'-Biphenyl]-2,4,4',6-tetracarboxylic Acid (H4BPTC). <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 832-836.	1.9	3
103	A huge diamondoid metal–organic framework with a neo-mode of tenfold interpenetration. <i>CrystEngComm</i> , 2015, 17, 2935-2939.	1.3	12
104	A supermolecular building layer approach for gas separation and storage applications: the MOF platforms for CO ₂ capture and hydrocarbon separation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6276-6281.	5.2	105
105	Zinc amidoisophthalate complexes and their catalytic application in the diastereoselective Henry reaction. <i>New Journal of Chemistry</i> , 2015, 39, 3004-3014.	1.4	26
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107	Remote Stabilization of Copper Paddlewheel Based Molecular Building Blocks in Metal–Organic Frameworks. <i>Chemistry of Materials</i> , 2015, 27, 2144-2151.	3.2	72
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110	Coordination assemblies of seven metal-organic frameworks based on a bent connector: structural diversity and properties. <i>CrystEngComm</i> , 2015, 17, 3129-3138.	1.3	21
111	Metal–Organic Framework Based upon the Synergy of a Brønsted Acid Framework and Lewis Acid Centers as a Highly Efficient Heterogeneous Catalyst for Fixed-Bed Reactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 4243-4248.	6.6	242
112	In-situ Generation of Ni Nanoparticles from Metal–Organic Framework Precursors and Their Use for Biomass Hydrodeoxygenation. <i>ChemSusChem</i> , 2015, 8, 1703-1710.	3.6	26
113	Ultrasonic synthesis of highly dispersed Au nanoparticles supported on Ti-based metal–organic frameworks for electrocatalytic oxidation of hydrazine. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14669-14674.	5.2	55

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114	Thermal energy storage in a supramolecular assembly of [C ₆ H ₁₁ NH ₃] ⁺ [CF ₃ COO] ⁻ (C ₆ H ₁₁ NH ₃) ⁺ [CF ₃ COO] ⁻	5.2	62
115	Solvent-Dependent Structural Variation of Zinc(II) Coordination Polymers and Their Catalytic Activity in the Knoevenagel Condensation Reaction. <i>Crystal Growth and Design</i> , 2015, 15, 4185-4197.	1.4	89
116	Water Structure and Dynamics in Homochiral [Zn(<i>L</i>)(X)] Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18239-18247.	1.5	11
117	Organometallic synthesis, reactivity and catalysis in the solid state using well-defined single-site species. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140187.	1.6	52
118	ideal. <i>Journal of Solid State Chemistry</i> , 2015, 230, 191-198.	1.4	5
119	Porous barium-organic frameworks with highly efficient catalytic capacity and fluorescence sensing ability. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21545-21552.	5.2	46
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121	A 3D-diamond-like metal-organic framework: Crystal structure, nonlinear optical effect and high thermal stability. <i>Inorganic Chemistry Communication</i> , 2015, 60, 19-22.	1.8	12
122	Porphyrin-Metalation-Mediated Tuning of Photoredox Catalytic Properties in Metal-Organic Frameworks. <i>ACS Catalysis</i> , 2015, 5, 5283-5291.	5.5	212
123	MOFs-Templated Co@Pd Core-Shell NPs Embedded in N-Doped Carbon Matrix with Superior Hydrogenation Activities. <i>ACS Catalysis</i> , 2015, 5, 5264-5271.	5.5	198
124	A Family of Capsule-Based Coordination Polymers Constructed from a New Tetrakis(1,2,4-triazol-ylmethyl)resorcin[4]arene Cavitand and Varied Dicarboxylates for Selective Metal-Ion Exchange and Luminescent Properties. <i>Crystal Growth and Design</i> , 2015, 15, 3822-3831.	1.4	43
125	A unique cage-in-cage metal-organic framework based on nested cages from interpenetrated networks. <i>CrystEngComm</i> , 2015, 17, 5884-5888.	1.3	15
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127	Gas-liquid segmented flow microwave-assisted synthesis of MOF-74(Ni) under moderate pressures. <i>CrystEngComm</i> , 2015, 17, 5502-5510.	1.3	68
128	Chiral porous metal-organic frameworks containing 1/4-oxo-bis[Ti(salan)] units for asymmetric cyanation of aldehydes. <i>Dalton Transactions</i> , 2015, 44, 12999-13002.	1.6	21
129	Three-Dimensional Heterometallic Coordination Networks: Syntheses, Crystal Structures, Topologies, and Heterogeneous Catalysis. <i>Crystal Growth and Design</i> , 2015, 15, 4110-4122.	1.4	23
130	Single-Crystal to Single-Crystal Mechanical Contraction of Metal-Organic Frameworks through Stereoselective Postsynthetic Bromination. <i>Journal of the American Chemical Society</i> , 2015, 137, 9527-9530.	6.6	110
131	Nanocrystalline ZSM-5 based bi-functional catalyst for two step and three step tandem reactions. <i>RSC Advances</i> , 2015, 5, 25998-26006.	1.7	18

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133	A general post-synthetic modification approach of amino-tagged metal-organic frameworks to access efficient catalysts for the Knoevenagel condensation reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17320-17331.	5.2	211
134	Ab Initio Derived Force Fields for Predicting CO ₂ Adsorption and Accessibility of Metal Sites in the Metal-Organic Frameworks M-MOF-74 (M = Mn, Co, Ni, Cu). <i>Journal of Physical Chemistry C</i> , 2015, 119, 16058-16071.	1.5	84
135	Micro-nano structured Ni-MOFs as high-performance cathode catalyst for rechargeable LiO ₂ batteries. <i>Nanoscale</i> , 2015, 7, 11833-11840.	2.8	69
136	Brønsted Acidity in Metal-Organic Frameworks. <i>Chemical Reviews</i> , 2015, 115, 6966-6997.	23.0	477
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963	Pillar-Assisted Construction of a Three-Dimensional Framework from a Two-Dimensional Bilayer Based on a Zn/Cd Heterometal Cluster: Pore Tuning and Gas Adsorption. <i>Crystal Growth and Design</i> , 2018, 18, 1826-1833.	1.4	6
964	Thermal Transport in Interpenetrated Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2018, 30, 2281-2286.	3.2	40

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967	A gel-like/freeze-drying strategy to construct hierarchically porous polyoxometalate-based metal-organic framework catalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4678-4685.	5.2	30
968	Metal-organic frameworks (ZIF-67) as efficient cocatalysts for photocatalytic reduction of CO ₂ : the role of the morphology effect. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4768-4775.	5.2	236
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971	A highly porous acylamide decorated MOF-505 analogue exhibiting high and selective CO ₂ gas uptake capability. <i>CrystEngComm</i> , 2018, 20, 1874-1881.	1.3	40
972	Coordination Polymers Containing Metal Chelate Units. <i>Springer Series in Materials Science</i> , 2018, , 633-759.	0.4	2
973	Mechanochemical Reactions of Metal-Organic Frameworks. <i>Advances in Inorganic Chemistry</i> , 2018, , 403-434.	0.4	17
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977	Syntheses, crystal structures and knoevenagel condensation reactions of three coordination polymers assembled with Lewis basic ligand. <i>Polyhedron</i> , 2018, 144, 6-10.	1.0	7
978	Characterization and application of a lanthanide-based metal-organic framework in the development and validation of a matrix solid-phase dispersion procedure for pesticide extraction on peppers (<i>Capsicum annuum L.</i>) with gas chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2018, 41, 1593-1599.	1.3	18
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980	Confinement of polysulfides within bi-functional metal-organic frameworks for high performance lithium-sulfur batteries. <i>Nanoscale</i> , 2018, 10, 2774-2780.	2.8	98
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982	A New Class of Metal-Cyclam-Based Zirconium Metal-Organic Frameworks for CO ₂ Adsorption and Chemical Fixation. <i>Journal of the American Chemical Society</i> , 2018, 140, 993-1003.	6.6	176

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990	Metal-organic frameworks in proteomics/peptidomics-A review. <i>Analytica Chimica Acta</i> , 2018, 1027, 9-21.	2.6	48
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1009	Electrolyte Effect on Electrocatalytic Hydrogen Evolution Performance of One-Dimensional Cobalt-Dithiolene Metal-Organic Frameworks: A Theoretical Perspective. <i>ACS Applied Energy Materials</i> , 2018, 1, 1688-1694.	2.5	27
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1015	La-Metal-Organic Framework incorporating Fe ₃ O ₄ nanoparticles, post-synthetically modified with Schiff base and Pd. A highly active, magnetically recoverable, recyclable catalyst for C C cross-couplings at low Pd loadings. <i>Journal of Catalysis</i> , 2018, 361, 116-125.	3.1	75
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1023	Taking organic reactions over metal-organic frameworks as heterogeneous catalysis. <i>Microporous and Mesoporous Materials</i> , 2018, 256, 111-127.	2.2	255
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1028	Nanofluidics: A New Arena for Materials Science. <i>Advanced Materials</i> , 2018, 30, 1702419.	11.1	78
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1032	Heterogeneous catalysts based on mesoporous metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2018, 373, 199-232.	9.5	113
1033	Copper-based 2D-coordination polymer as catalyst for allylation of aldehydes. <i>Journal of Molecular Structure</i> , 2018, 1155, 530-535.	1.8	11
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1072	Tunability of fluorescent metal-organic frameworks through dynamic spacer installation with multivariate fluorophores. <i>Chemical Communications</i> , 2018, 54, 13666-13669.	2.2	22
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1096	Metal-Organic Framework Anchored with a Lewis Pair as a New Paradigm for Catalysis. <i>CheM</i> , 2018, 4, 2587-2599.	5.8	120
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1098	Robustness, Selective Gas Separation, and Nitrobenzene Sensing on Two Isomers of Cadmium Metal-Organic Frameworks Containing Various Metal-Organic Metal Chains. <i>Inorganic Chemistry</i> , 2018, 57, 12961-12968.	1.9	87
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1104	A Novel Tb@Sr-MOF as Self-Calibrating Luminescent Sensor for Nutritional Antioxidant. <i>Nanomaterials</i> , 2018, 8, 796.	1.9	14
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1108	Chirality in bare and ligand-protected metal nanoclusters. <i>Advances in Physics: X</i> , 2018, 3, 1509727.	1.5	21
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1115	Synthesis and Luminescence Properties of New Metal-Organic Frameworks Based on Zinc(II) Ions and 2,5-Thiophendicarboxylate Ligands. <i>Crystals</i> , 2018, 8, 7.	1.0	9
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1169	Controlled RAFT polymerization facilitated by a nanostructured enzyme mimic. <i>Polymer Chemistry</i> , 2018, 9, 4448-4454.	1.9	20
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1177	Asymmetric ring-opening reaction of <i>meso</i> -epoxides with aromatic amines using homochiral metal-organic frameworks as recyclable heterogeneous catalysts. <i>RSC Advances</i> , 2018, 8, 28139-28146.	1.7	13
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1179	An unsymmetrical tritopic pyrazole carboxylate ligand based porous Cd(II) MOF sensor for acetone molecule. <i>Inorganic Chemistry Communication</i> , 2018, 96, 16-19.	1.8	9
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1235	A stable metal cluster-metalloporphyrin MOF with high capacity for cationic dye removal. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17698-17705.	5.2	102
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1243	Crystal Structure of Tris-(2,3,5,6-Tetrafluorobenzoato)Scandium [Sc(C ₆ F ₄ HCO ₂) ₃]. <i>Journal of Structural Chemistry</i> , 2018, 59, 494-496.	0.3	8
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1388	Enhanced catalytic activity over MIL-100(Fe) with coordinatively unsaturated Fe ²⁺ /Fe ³⁺ sites for selective oxidation of H ₂ S to sulfur. <i>Chemical Engineering Journal</i> , 2019, 374, 793-801.	6.6	114
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1390	Post-synthetic modification of a Tb-based metal-organic framework for highly selective and sensitive detection of metal ions in aqueous solution. <i>New Journal of Chemistry</i> , 2019, 43, 10232-10236.	1.4	13
1391	Controlling Size, Defectiveness, and Fluorescence in Nanoparticle UiO-66 through Water and Ligand Modulation. <i>Chemistry of Materials</i> , 2019, 31, 4831-4839.	3.2	41
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1399	Recent applications of metal-organic frameworks in matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4509-4522.	1.9	12

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1417	A Titanium(IV)-Based Metal-Organic Framework Featuring Defect-Rich TiO Sheets as an Oxidative Desulfurization Catalyst. <i>Angewandte Chemie</i> , 2019, 131, 9258-9263.	1.6	37

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1494	Integration of Metal Nanoparticles into Metalâ€Organic Frameworks for Composite Catalysts: Design and Synthetic Strategy. <i>Small</i> , 2019, 15, e1804849.	5.2	67
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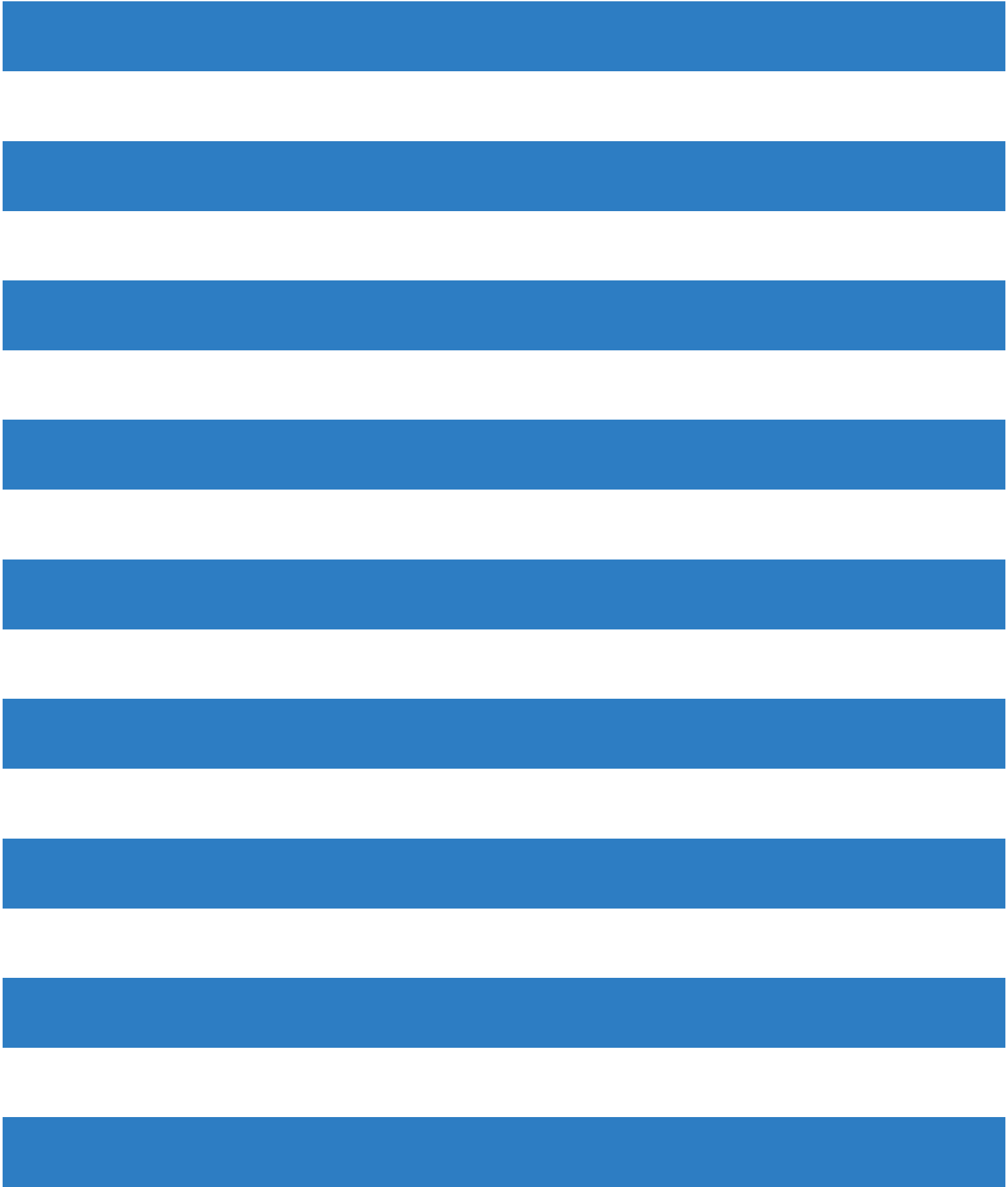
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1513	The effects of active site and support on hydrogen elimination over transition-metal-functionalized yttria-decorated metal-organic frameworks. <i>Catalysis Science and Technology</i> , 2019, 9, 7003-7015.	2.1	5
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1523	A Flexible Cu-MOF as Crystalline Sponge for Guests Determination. <i>Inorganic Chemistry</i> , 2019, 58, 61-64.	1.9	22
1524	Efficient MOF-Sensitized Solar Cells Featuring Solvothermally Grown [100]-Oriented Pillared Porphyrin Framework-11 Films on ZnO/FTO Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3196-3206.	4.0	38
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1943	H-Bond-Mediated Selectivity Control of Formate versus CO during CO ₂ Photoreduction with Two Cooperative Cu/X Sites. <i>Journal of the American Chemical Society</i> , 2021, 143, 6114-6122.	6.6	105
1944	Supramolecular control of MOF pore properties for the tailored guest adsorption/separation applications. <i>Coordination Chemistry Reviews</i> , 2021, 434, 213709.	9.5	141
1945	Dimensional Reduction of Lewis Acidic Metal-Organic Frameworks for Multicomponent Reactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 8184-8192.	6.6	59
1946	HKUST-1 Metal Organic Framework as an Efficient Dual-Function Catalyst: Aziridination and One-Pot Ring-Opening Transformation for Formation of 1,2-Aryl Sulfonamides with C=C, C=N, C=S, and C=O Bonds. <i>Inorganic Chemistry</i> , 2021, 60, 7794-7802.	1.9	19
1947	Microwave-assisted fabrication of a mixed-ligand [Cu ₄ (1,4-bis(3-hydroxyphenyl)-1,3,5-triazole) ₃ OH] ₂ cluster-based metal-organic framework with coordinatively unsaturated metal sites for carboxylation of terminal alkynes with carbon dioxide. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6288.	1.7	6

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1948	Nanostructured covalent organic frameworks with elevated crystallization for (electro)photocatalysis and energy storage devices. <i>Journal of Materials Science</i> , 2021, 56, 13875-13924.	1.7	8
1949	2D Coordination Polymers Constituted from Indium Halides and Dipyridyl N-Donor Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1227-1233.	0.6	5
1950	Formation of a potassium coordination polymer based on a novel 2-sulfonyl-benzene-1,3,5-tricarboxylic acid: Synthesis, characterization, and application of the organocatalyst in CO ₂ cycloaddition reaction. <i>Journal of Molecular Structure</i> , 2021, 1232, 130045.	1.8	7
1951	Solution-Processable Metal-Organic Framework Nanosheets with Variable Functionalities. <i>Advanced Materials</i> , 2021, 33, e2101257.	11.1	33
1952	Metal organic framework derived Ni/CeO ₂ catalyst with highly dispersed ultra-fine Ni nanoparticles: Impregnation synthesis and the application in CO ₂ methanation. <i>Ceramics International</i> , 2021, 47, 12366-12374.	2.3	33
1953	Assembly of a Metal-Organic Framework (MOF) Membrane on a Solid Electrocatalyst: Introducing Molecular-Level Control Over Heterogeneous CO ₂ Reduction. <i>Angewandte Chemie</i> , 2021, 133, 13535-13541.	1.6	8
1954	Recent advances in luminescent metal-organic frameworks (LMOFs) based fluorescent sensors for antibiotics. <i>Coordination Chemistry Reviews</i> , 2021, 435, 213793.	9.5	90
1955	2D Porphyrinic Metal-Organic Frameworks Featuring Rod-Shaped Secondary Building Units. <i>Molecules</i> , 2021, 26, 2955.	1.7	5
1956	Real time imaging of photocatalytic active site formation during H ₂ evolution by in-situ TEM. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119743.	10.8	19
1957	Synthesis of a tetraphenylethylene-based metal-organic framework as the luminescent sensor for selective sensing of Cr ₂ O ₇ ²⁻ in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2021, 127, 108550.	1.8	5
1958	Solketal Production via Solvent-Free Acetalization of Glycerol over Triphosphonic-Lanthanide Coordination Polymers. <i>Catalysts</i> , 2021, 11, 598.	1.6	11
1959	Assembly of a Metal-Organic Framework (MOF) Membrane on a Solid Electrocatalyst: Introducing Molecular-Level Control Over Heterogeneous CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13423-13429.	7.2	48
1960	Dual-Functional Mesoporous Copper(II) Metal-Organic Frameworks for the Remediation of Organic Dyes. <i>Chemistry - A European Journal</i> , 2021, 27, 9174-9179.	1.7	12
1961	Speciality Grand Challenges in Organometallic Catalysis. <i>Frontiers in Catalysis</i> , 2021, 1, .	1.8	2
1962	Luminescent, Helical and Highly Stable Zn(II) and Cd(II) Coordination Polymers: Structural Diversity and Selective Sensing of 4-Nitroaniline in Water. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2595-2605.	1.0	5
1963	Homodinuclear Complexes of [Cu(dppf)] ⁺ or [Ru(bpy) ₂] ²⁺ with 1,4-Bis(camphorquinoneimino)benzene (bcqb) as a Redox-Active Bridging Ligand. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2976-2985.	1.0	1
1964	Pd(II)-Metalated and l-Proline-Decorated Multivariate UiO-67 as Bifunctional Catalyst for Asymmetric Sequential Reactions. <i>Catalysis Letters</i> , 2022, 152, 1160-1169.	1.4	6
1965	Construction of Peroxidase-like Metal-Organic Frameworks in TiO ₂ Nanochannels: Robust Free-Standing Membranes for Diverse Target Sensing. <i>Analytical Chemistry</i> , 2021, 93, 9486-9494.	3.2	32

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1966	Photo-epoxidation of (1 \pm , 1 2)-pinene with molecular O ₂ catalyzed by a dioxo-molybdenum (VI)-based Metal-Organic Framework. <i>Research on Chemical Intermediates</i> , 2021, 47, 4227-4244.	1.3	9
1967	Metal-organic frameworks functionalized smart textiles for adsorptive removal of hazardous aromatic pollutants from ambient air. <i>Journal of Hazardous Materials</i> , 2021, 411, 125056.	6.5	31
1968	An Electrochemical Sensor for H ₂ O ₂ Based on Au Nanoparticles Embedded in UiO-66 Metal-Organic Framework Films. <i>ACS Applied Nano Materials</i> , 2021, 4, 6103-6110.	2.4	39
1969	Solvent-Free CO ₂ Fixation Reaction Catalyzed by MOFs Composites Containing Polycarboxylic Acid Ligands. <i>ChemistrySelect</i> , 2021, 6, 5350-5355.	0.7	4
1970	Metal-Organic Framework-Based Solid Acid Materials for Biomass Upgrade. <i>Transactions of Tianjin University</i> , 2021, 27, 434-449.	3.3	18
1971	Preparation of Superhydrophobic Metal-Organic Framework/Polymer Composites as Stable and Efficient Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32175-32183.	4.0	12
1972	Bimetal-organic frameworks with coordinatively unsaturated metal sites for highly efficient Fenton-like catalysis. <i>Chemical Engineering Journal</i> , 2021, 414, 128669.	6.6	83
1973	Tuning Chromophore-Based LMOF Dimensionality to Enhance Detection Sensitivity for Fe ³⁺ Ions. <i>ACS Omega</i> , 2021, 6, 16498-16506.	1.6	10
1974	In situ decoration of Au NPs over polydopamine encapsulated GO/Fe ₃ O ₄ nanoparticles as a recyclable nanocatalyst for the reduction of nitroarenes. <i>Scientific Reports</i> , 2021, 11, 12362.	1.6	47
1975	Tuning photoactive metal-organic frameworks for luminescence and photocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2021, 437, 213757.	9.5	88
1976	Energy related ion transports in coordination polymers. <i>Nano Select</i> , 0, , .	1.9	6
1977	Pb ²⁺ -Containing Metal-Organic Rotaxane Frameworks (MORFs). <i>Molecules</i> , 2021, 26, 4241.	1.7	3
1978	Highly efficient photocatalytic CO ₂ reduction with an organic dye as photosensitizer. <i>Inorganic Chemistry Communication</i> , 2021, 129, 108617.	1.8	2
1979	Maximizing the Carrier Mobilities of Metal-Organic Frameworks Comprising Stacked Pentacene Units. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7002-7009.	2.1	6
1980	Mechanically Strong, Liquid-Resistant Photothermal Bioplastic Constructed from Cellulose and Metal-Organic Framework for Light-Driven Mechanical Motion. <i>Molecules</i> , 2021, 26, 4449.	1.7	2
1981	Engineering Bimetallic Centers in Porous Metal Silicate Materials for Hydrogenation of Furfural at Lower Temperature. , 2021, 3, 1249-1257.		9
1982	Biopolymeric-Inorganic Composites for Drug Delivery Applications. <i>Advances in Material Research and Technology</i> , 2022, , 271-298.	0.3	0
1983	MOFs with acs and Nbo topologies using flexible diisophthalate ligands: Influence of dihedral angle between phenyl rings on the crystal structure. <i>Inorganic Chemistry Communication</i> , 2021, 129, 108657.	1.8	0

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1984	Interwrapping Distinct Metal-Organic Frameworks in Dual-MOFs for the Creation of Unique Composite Catalysts. <i>Research</i> , 2021, 2021, 9835935.	2.8	12
1985	Double-Layer Nitrogen-Rich Two-Dimensional Anionic Uranyl-Organic Framework for Cation Dye Capture and Catalytic Fixation of Carbon Dioxide. <i>Inorganic Chemistry</i> , 2021, 60, 11485-11495.	1.9	12
1986	Zr-MOF@Polyaniline as an efficient platform for nickel deposition: Application to methanol electro-oxidation. <i>Fuel</i> , 2021, 296, 120677.	3.4	22
1987	Lanthanide complexes based on an anthraquinone derivative ligand and applications as photocatalysts for visible-light driving photooxidation reactions. <i>Journal of Molecular Structure</i> , 2021, 1236, 130289.	1.8	1
1988	Nano-Metal Organic Framework for Enhanced Mechanical, Flame Retardant and Ultraviolet-Blue Light Shielding Properties of Transparent Cellulose-Based Bioplastics. <i>Polymers</i> , 2021, 13, 2433.	2.0	11
1989	A review of material aspects in developing direct Z-scheme photocatalysts. <i>Materials Today</i> , 2021, 47, 75-107.	8.3	188
1990	ZnO@zeolitic imidazolate frameworks derived porous hybrid hollow carbon shell as an efficient electrocatalyst for oxygen reduction. <i>Journal of Materials Science</i> , 2021, 56, 14989-15003.	1.7	4
1991	A Multifunctional 3D Supramolecular Co Coordination Polymer With Potential for CO ₂ Adsorption, Antibacterial Activity, and Selective Sensing of Fe ³⁺ /Cr ³⁺ Ions and TNP. <i>Frontiers in Chemistry</i> , 2021, 9, 678993.	1.8	5
1992	The Highly Effective Cobalt Based Metal-Organic Frameworks Catalyst for One Pot Oxidative Esterification Under Mild Conditions. <i>Catalysis Letters</i> , 2022, 152, 1639-1650.	1.4	7
1993	Ultrasensitive ethanol sensor based on nano-Ag&ZIF-8 co-modified SiNWs with enhanced moisture resistance. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129959.	4.0	32
1994	Versatility, Cost Analysis, and Scale-up in Fluoride and Arsenic Removal Using Metal-organic Framework-based Adsorbents. <i>Separation and Purification Reviews</i> , 2022, 51, 408-426.	2.8	15
1995	Hybrid Porous Crystalline Materials from Metal Organic Frameworks and Covalent Organic Frameworks. <i>Advanced Science</i> , 2021, 8, e2101883.	5.6	83
1996	Effect of amino-defective-MOF materials on the selective hydrodeoxygenation of fatty acid over Pt-based catalysts. <i>Journal of Catalysis</i> , 2021, 400, 283-293.	3.1	18
1997	Î ³ -Valerolactone synthesis from Î [±] -angelica lactone and levulinic acid over biobased multifunctional nanohybrid catalysts. <i>Catalysis Today</i> , 2022, 394-396, 268-281.	2.2	7
1998	A Reusable Efficient Green Catalyst of 2D Cu-MOF for the Click and Knoevenagel Reaction. <i>Molecules</i> , 2021, 26, 5296.	1.7	10
1999	Four Novel d ¹⁰ Metal-Organic Frameworks Incorporating Amino-Functionalized Carboxylate Ligands: Synthesis, Structures, and Fluorescence Properties. <i>Frontiers in Chemistry</i> , 2021, 9, 708314.	1.8	3
2000	Water-Stable Two-Dimensional Metal-Organic Framework Nanostructures for Fe ³⁺ Ions Detection. <i>Crystal Growth and Design</i> , 2021, 21, 5275-5282.	1.4	16
2001	Amino Group Functionalized Hf-Based Metal-Organic Framework for Knoevenagel-Doebner Condensation. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3396-3403.	1.0	8

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2002	Hierarchical mesoporous hollow Ce-MOF nanosphere as oxidase mimic for highly sensitive colorimetric detection of ascorbic acid. <i>Chemical Physics Letters</i> , 2021, 777, 138749.	1.2	18
2003	A hydrolytically stable Zn(II) coordination polymer based on a new imidazolyl-pyrazolyl heterotopic ligand as a scavenger of MnO ₄ ²⁻ and a luminescent sensor for MnO ₄ ²⁻ and CrO ₇ ²⁻ . <i>Inorganic Chemistry Communication</i> , 2021, 130, 108720.	1.8	3
2004	Sensitization of nontoxic MOF for their potential drug delivery application against microbial infection. <i>Inorganica Chimica Acta</i> , 2021, 523, 120381.	1.2	50
2005	Fe-based Fenton-like catalysts for water treatment: Preparation, characterization and modification. <i>Chemosphere</i> , 2021, 276, 130177.	4.2	182
2006	Enhancing photocatalytic performance of metal-organic frameworks for CO ₂ reduction by a bimetallic strategy. <i>Chinese Chemical Letters</i> , 2022, 33, 2065-2068.	4.8	64
2007	Metal-Organic Framework Photonic Balls: Single Object Analysis for Local Thermal Probing. <i>Advanced Materials</i> , 2021, 33, e2104450.	11.1	29
2008	C ₂ s/C ₁ hydrocarbon separation: The major step towards natural gas purification by metal-organic frameworks (MOFs). <i>Coordination Chemistry Reviews</i> , 2021, 442, 213998.	9.5	64
2009	Modelling adsorption based on an isorecticular MOF series of IFPs: Part I: Collection of physical properties and single component equilibria. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 1884-1901.	0.9	4
2010	The adsorption properties of defect controlled metal-organic frameworks of UiO-66. <i>Separation and Purification Technology</i> , 2021, 270, 118842.	3.9	35
2011	Solid solution approach to the design of copper mixed-triazolate multivariate-MOFs for the efficient adsorption of triclosan. <i>Microporous and Mesoporous Materials</i> , 2021, 324, 111297.	2.2	7
2012	Metal-organic frameworks-derived CoMOF-D@Si@C core-shell structure for high-performance lithium-ion battery anode. <i>Electrochimica Acta</i> , 2021, 390, 138814.	2.6	19
2013	Fe-N/C single-atom catalysts with high density of Fe-N _x sites toward peroxydisulfate activation for high-efficient oxidation of bisphenol A: Electron-transfer mechanism. <i>Chemical Engineering Journal</i> , 2021, 419, 129590.	6.6	130
2014	Fabrication of a MOF/Aerogel Composite via a Mild and Green One-Pot Method. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2477-2483.	2.0	5
2015	A 3D supramolecular Ag(I)-based coordination polymer as stable photocatalyst for dye degradation. <i>Inorganic Chemistry Communication</i> , 2021, 131, 108805.	1.8	7
2016	Present and Perspectives of Photoactive Porous Composites Based on Semiconductor Nanocrystals and Metal-Organic Frameworks. <i>Molecules</i> , 2021, 26, 5620.	1.7	6
2017	Bidirectional controlling synthesis of branched PdCu nanoalloys for efficient and robust formic acid oxidation electrocatalysis. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 503-512.	5.0	27
2018	Bifunctional Metal-Organic Layers for Tandem Catalytic Transformations Using Molecular Oxygen and Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 2021, 143, 16718-16724.	6.6	28
2019	Mechanistic Insight into the Synergetic Interaction of Ammonia Borane and Water on ZIF-67-Derived Co@Porous Carbon for Controlled Generation of Dihydrogen. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47465-47477.	4.0	15

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2020	A metal-organic framework MIL-53(Fe) containing silver ions with antibacterial property. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122442.	1.4	13
2021	A New Electrically Conducting Metal-Organic Framework Featuring U-Shaped cis-Dipyridyl Tetrathiafulvalene Ligands. <i>Frontiers in Chemistry</i> , 2021, 9, 726544.	1.8	4
2022	Effect on electrochemical reduction of nitrogen to ammonia under ambient conditions: Challenges and opportunities for chemical fuels. <i>Journal of Energy Chemistry</i> , 2021, 61, 304-318.	7.1	50
2023	Doping [Ru(bpy) ₃] ²⁺ into metal-organic framework to facilitate the separation and reuse of noble-metal photosensitizer during CO ₂ photoreduction. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1790-1797.	6.9	20
2024	Metal-organic frameworks-derived CoO/C penetrated with self-supporting graphene enabling accelerated polysulfide conversion for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2021, 398, 139311.	2.6	9
2025	The substituent effect on the luminescent properties of a set of 4-amino-4-1,2,4-triazole: Syntheses, crystal structures and Hirshfeld analyses. <i>Journal of Molecular Structure</i> , 2021, 1243, 130893.	1.8	11
2026	Sono-synthesis of basic metal-organic framework for reusable catalysis of organic reactions in the eco-friendly conditions. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122525.	1.4	8
2027	A novel rare-earth luminescent coordination polymer showing potential semiconductor characteristic constructed by anthracene-based dicarboxylic acid ligand (H ₂ L). <i>Journal of Molecular Structure</i> , 2021, 1243, 130788.	1.8	5
2028	Solvent mediated photoluminescence responses over mixed-linker cadmium (II) based metal-organic frameworks. <i>Polyhedron</i> , 2021, 208, 115444.	1.0	1
2029	Hot-electron leading-out strategy for constructing photostable HOF catalysts with outstanding H ₂ evolution activity. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120337.	10.8	28
2030	Molecular approaches to heterogeneous catalysis. <i>Coordination Chemistry Reviews</i> , 2021, 448, 214179.	9.5	29
2031	Rational design of ionic V-MOF with confined Mo species for highly efficient oxidative desulfurization. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120594.	10.8	40
2032	Natural gas dehydration by adsorption using MOFs and silicas: A review. <i>Separation and Purification Technology</i> , 2021, 276, 119409.	3.9	33
2033	Post-synthetic anchoring Fe(III) into a fcu-type Zr-MOF for the catalyzed hydrolysis of 5-hydroxymethoxyfurfural. <i>Microporous and Mesoporous Materials</i> , 2021, 328, 111449.	2.2	5
2034	Controlled hydrodeoxygenation of lignin-derived anisole over supported Pt on UiO-66 based-catalysts through defect engineering approach. <i>Fuel Processing Technology</i> , 2021, 224, 107001.	3.7	11
2035	In ₂ S ₃ nanoparticles coupled to In-MOF nanorods: The structural and electronic modulation for synergetic photocatalytic degradation of Rhodamine B. <i>Environmental Research</i> , 2022, 203, 111874.	3.7	28
2036	{Cu ₂ SiW ₁₂ O ₄₀ }@HKUST-1 synthesized by a one-step solution method with efficient bifunctional activity for supercapacitors and the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13161-13169.	5.2	34
2037	Metal-organic frameworks as catalytic selectivity regulators for organic transformations. <i>Chemical Society Reviews</i> , 2021, 50, 5366-5396.	18.7	130

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2038	Heterogeneous nanozymatic activity of Hf oxo-clusters embedded in a metal-organic framework towards peptide bond hydrolysis. <i>Nanoscale</i> , 2021, 13, 12298-12305.	2.8	8
2039	Accelerating the redox kinetics by catalytic activation of dead sulfur in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13442-13458.	5.2	30
2040	<i>In situ</i> cleavage and rearrangement synthesis of an easy-to-obtain and highly stable Cu(II)-based MOF for efficient heterogeneous catalysis of carbon dioxide conversion. <i>CrystEngComm</i> , 2021, 23, 6307-6314.	1.3	9
2041	Constructions of seven noncovalent-bonded supramolecules from reactions of Cu(II)/Cd(II)/Zn(II) with isonicotinamide and carboxylates. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 1842-1859.	0.9	3
2042	Synthesis, DFT and Bio-Potential Activities of Mn(II) and Hg(II) Complexes with Bidentate (E)-N ² [(E)-3-Phenylallylidene]benzene-1,2-diamine. <i>Asian Journal of Chemistry</i> , 2021, 33, 1222-1228.	0.1	2
2043	Targeted synthesis of covalently linked Ni-MOFs nanosheets/graphene for oxygen evolution reaction by computational screening of anchoring primers. <i>Nano Energy</i> , 2021, 79, 105418.	8.2	25
2044	Controllable self-assembly from homonuclear Mn(II)-MOF to heteronuclear Mn(II)-K(I)-MOF by alkali-regulation: A novel mode of structural and luminescent regulation for off-on sensing ascorbic acid. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6160.	1.7	0
2045	Two Cd(II) Coordination Compounds Based on the Flexible N-Bridging Ligands: Syntheses, Crystal Structures and Luminescent Properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2021, 47, 75-80.	0.3	0
2046	<i>In situ</i> growth of ZIF-8 on gold nanoparticles/magnetic carbon nanotubes for the electrochemical detection of bisphenol A. <i>Analytical Methods</i> , 2021, 13, 2338-2344.	1.3	14
2047	Towards correlating dimensionality and topology in luminescent MOFs based on terephthalato and bispyridyl-like ligands. <i>Dalton Transactions</i> , 2021, 50, 9269-9282.	1.6	5
2048	Heterogeneous photocatalysts based on iso- and heteropolytungstates. , 2021, , 301-318.		0
2049	The role of metal-organic porous frameworks in dual catalysis. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3618-3658.	3.0	30
2050	Development of Au-Pd@UiO-66-on-ZIF-L/CC as a self-supported electrochemical sensor for <i>in situ</i> monitoring of cellular hydrogen peroxide. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9031-9040.	2.9	14
2051	The Amazing Chemistry of Metal-Organic Frameworks. , 2017, , 339-369.		3
2052	Assembling latter d-block heterometal coordination polymers: Synthetic strategies and structural outcomes. <i>Coordination Chemistry Reviews</i> , 2017, 348, 121-170.	9.5	17
2053	Manganese-organic framework assembled by 5-((4-(tetrazol-5-yl)benzyl)oxy)isophthalic acid: A solvent-free catalyst for the formation of carbon-carbon bond. <i>Inorganica Chimica Acta</i> , 2020, 510, 119735.	1.2	10
2054	Room-temperature preparation of MIL-68 and its derivative In ₂ S ₃ for enhanced photocatalytic Cr(VI) reduction and organic pollutant degradation under visible light. <i>Journal of Alloys and Compounds</i> , 2020, 837, 155567.	2.8	32
2055	Ruthenium Complex-Incorporated Two-Dimensional Metal-Organic Frameworks for Cocatalyst-Free Photocatalytic Proton Reduction from Water. <i>Inorganic Chemistry</i> , 2020, 59, 2379-2386.	1.9	24

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2056	Defect-Engineered Metal-Organic Frameworks: A Thorough Characterization of Active Sites Using CO as a Probe Molecule. <i>Journal of Physical Chemistry C</i> , 2021, 125, 593-601.	1.5	15
2057	Application of Metal-Organic Frameworks in CO ₂ Capture and Conversion. <i>RSC Catalysis Series</i> , 2019, , 455-478.	0.1	1
2058	Two d ¹⁰ luminescent metal-organic frameworks as dual functional luminescent sensors for (Fe ³⁺ , Cu ²⁺) and 2,4,6-trinitrophenol (TNP) with high selectivity and sensitivity. <i>RSC Advances</i> , 2020, 10, 4817-4824.	1.7	13
2059	Size and function influence study on enhanced catalytic performance of a cooperative MOF for mild, green and fast C-C bond formation. <i>Dalton Transactions</i> , 2020, 49, 3234-3242.	1.6	19
2060	Architectural and catalytic aspects of designer materials built using metalloligands of pyridine-2,6-dicarboxamide based ligands. <i>Dalton Transactions</i> , 2020, 49, 14731-14748.	1.6	14
2061	A mixed-valent metal-organic ladder linked by pyrazine. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 034002.	0.7	1
2062	Structures of substituted pyridine N-oxide with manganese(II) acetate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1405-1410.	0.2	5
2063	Molecular design of heterogeneous electrocatalysts using tannic acid-derived metal-phenolic networks. <i>Nanoscale</i> , 2021, 13, 20374-20386.	2.8	13
2064	Uranyl-MOF for Thioether Oxidation Processes Under Visible Light Conditions. <i>Catalysis Letters</i> , 2021, 151, 2982-2989.	1.4	4
2065	Surface-coordinated metal-organic framework thin films (SURMOFs): From fabrication to energy applications. <i>EnergyChem</i> , 2021, 3, 100065.	10.1	25
2066	A simple route to prepare supramolecular block copolymers using telechelic polystyrene/polydimethylsiloxane pairs. <i>Polymer International</i> , 2022, 71, 470-477.	1.6	9
2067	Polyoxometalate@Metal-Organic Framework Composites as Effective Photocatalysts. <i>ACS Catalysis</i> , 2021, 11, 13374-13396.	5.5	121
2068	State of the art on the ultrasonic-assisted removal of environmental pollutants using metal-organic frameworks. <i>Journal of Hazardous Materials</i> , 2022, 424, 127558.	6.5	71
2069	Understanding the Anisotropic Elastic Properties of Metal-Organic Frameworks at the Nanoscale: The Instructive Example of MOF-74. <i>Journal of Physical Chemistry C</i> , 2021, 125, 24728-24745.	1.5	5
2070	A Three-Dimensional Cd(II)-Coordination Polymer: Crystal Structure, Electrochemiluminescent Property and Novel Topology. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 0, , 1.	1.9	0
2071	Janus Metal-Organic Frameworks/Wood Aerogel Composites for Boosting Catalytic Performance by Le Chatelier's Principle. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51039-51047.	4.0	14
2072	A review on recent developments in N-methylation using CO ₂ . <i>Journal of CO₂ Utilization</i> , 2021, 54, 101759.	3.3	19
2073	Facile synthesis of hierarchical porous ZIF-8@TiO ₂ for simultaneous adsorption and photocatalytic decomposition of crystal violet. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100598.	1.7	9

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