

# Substitution reactions in metal-organic frameworks

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Preparation of Coreâ€‘Shell Coordination Molecular Assemblies via the Enrichment of Structure-Directing â€‘Codesâ€‘ of Bridging Ligands and Metathesis of Metal Units. <i>Journal of the American Chemical Society</i> , 2014, 136, 16895-16901.	6.6	40
3	Research Update: A hafnium-based metal-organic framework as a catalyst for regioselective ring-opening of epoxides with a mild hydride source. <i>APL Materials</i> , 2014, 2, .	2.2	7
5	Anion-Directed Assemblies of Cationic Metalâ€‘Organic Frameworks Based on 4,4â€‘Bis(1,2,4-triazole): Syntheses, Structures, Luminescent and Anion Exchange Properties. <i>Inorganic Chemistry</i> , 2014, 53, 12127-12134.	1.9	45
6	A 3-D diamondoid MOF catalyst based on in situ generated [Cu(L) <sub>2</sub> ] N-heterocyclic carbene (NHC) linkers: hydroboration of CO <sub>2</sub> . <i>Chemical Communications</i> , 2014, 50, 11760-11763.	2.2	70
7	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
8	Systematic Syntheses and Metalloligand Doping of Flexible Porous Coordination Polymers Composed of a Co(III)â€‘Metalloligand. <i>Inorganic Chemistry</i> , 2015, 54, 2522-2535.	1.9	18
9	Continuous flow production of metal-organic frameworks. <i>Current Opinion in Chemical Engineering</i> , 2015, 8, 55-59.	3.8	65
10	Size-exclusive and coordination-induced selective dye adsorption in a nanotubular metalâ€‘organic framework. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12804-12809.	5.2	118
11	Metal-Ion Exchange, Small-Molecule Sensing, Selective Dye Adsorption, and Reversible Iodine Uptake of Three Coordination Polymers Constructed by a New Resorcin[4]arene-Based Tetracarboxylate. <i>Inorganic Chemistry</i> , 2015, 54, 1744-1755.	1.9	104
12	Metalation of a Thiocatechol-Functionalized Zr(IV)-Based Metalâ€‘Organic Framework for Selective Câ€‘H Functionalization. <i>Journal of the American Chemical Society</i> , 2015, 137, 2191-2194.	6.6	234
13	Structure-Assisted Functional Anchor Implantation in Robust Metalâ€‘Organic Frameworks with Ultralarge Pores. <i>Journal of the American Chemical Society</i> , 2015, 137, 1663-1672.	6.6	70
14	Solvent induced single-crystal to single-crystal structural transformation and concomitant transmetalation in a 3D cationic Zn( <sub>ii</sub> )-framework. <i>Chemical Communications</i> , 2015, 51, 3173-3176.	2.2	52
15	Tuning the properties of the UiO-66 metal organic framework by Ce substitution. <i>Chemical Communications</i> , 2015, 51, 14458-14461.	2.2	79
16	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
17	Brønsted Acidity in Metalâ€‘Organic Frameworks. <i>Chemical Reviews</i> , 2015, 115, 6966-6997.	23.0	477
18	Homochiral coordination cages assembled from dinuclear paddlewheel nodes and enantiopure ditopic ligands: syntheses, structures and catalysis. <i>Dalton Transactions</i> , 2015, 44, 12180-12188.	1.6	26
19	Construction of variable dimensional cadmium( <sub>ii</sub> ) coordination polymers from pyridine-2,3-dicarboxylic acid. <i>CrystEngComm</i> , 2015, 17, 3619-3626.	1.3	21
20	Postsynthetic Metal and Ligand Exchange in MFUâ€‘4 <i>l</i> : A Screening Approach toward Functional Metalâ€‘Organic Frameworks Comprising Singleâ€‘Site Active Centers. <i>Chemistry - A European Journal</i> , 2015, 21, 8188-8199.	1.7	70

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21	Click-post-functionalization of a metal-organic framework for engineering active single-site heterogeneous Ru(III) catalysts. <i>Chemical Communications</i> , 2015, 51, 9884-9887.	2.2	55
22	Photoinduced Postsynthetic Polymerization of a Metal-Organic Framework toward a Flexible Stand-Alone Membrane. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4259-4263.	7.2	235
24	Towards the use of metal-organic frameworks for water reuse: a review of the recent advances in the field of organic pollutants removal and degradation and the next steps in the field. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22484-22506.	5.2	516
25	Solvothermal Metal Metathesis on a Metal-Organic Framework with Constricted Pores and the Study of Gas Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25402-25412.	4.0	18
26	Adsorption-Driven Heat Pumps: The Potential of Metal-Organic Frameworks. <i>Chemical Reviews</i> , 2015, 115, 12205-12250.	23.0	410
27	Orthogonal Ternary Functionalization of a Mesoporous Metal-Organic Framework via Sequential Postsynthetic Ligand Exchange. <i>Journal of the American Chemical Society</i> , 2015, 137, 10508-10511.	6.6	96
28	A vanadium(IV) pyrazolate metal-organic polyhedron with permanent porosity and adsorption selectivity. <i>Chemical Communications</i> , 2015, 51, 14724-14727.	2.2	31
29	Dual Exchange in PCN-333: A Facile Strategy to Chemically Robust Mesoporous Chromium Metal-Organic Framework with Functional Groups. <i>Journal of the American Chemical Society</i> , 2015, 137, 11801-11809.	6.6	83
30	Divalent metal ions modulated strong frustrated M(II)-Fe(III) <sub>3</sub> O (M = Fe, Mn, Mg) chains with metamagnetism only in a mixed valence iron complex. <i>Chemical Communications</i> , 2015, 51, 15336-15339.	2.2	13
31	Pyrazine Motif Containing Hexagonal Macrocycles: Synthesis, Characterization, and Host-Guest Chemistry with Nitro Aromatics. <i>Inorganic Chemistry</i> , 2015, 54, 8994-9001.	1.9	22
32	An in situ self-assembly template strategy for the preparation of hierarchical-pore metal-organic frameworks. <i>Nature Communications</i> , 2015, 6, 8847.	5.8	309
33	Crystal engineering, structure-function relationships, and the future of metal-organic frameworks. <i>CrystEngComm</i> , 2015, 17, 229-246.	1.3	237
34	The surface chemistry of metal-organic frameworks. <i>Chemical Communications</i> , 2015, 51, 5199-5217.	2.2	336
35	Switchable Room-Temperature Ferroelectric Behavior, Selective Sorption and Solvent-Exchange Studies of [H <sub>3</sub> O][Co <sub>2</sub> (dat)(sdba) <sub>2</sub> ]·...H <sub>2</sub> O. <i>ChemPlusChem</i> , 2016, 81, 733-742.	1.3	9
36	Thermal and Gas Dual-Responsive Behaviors of an Expanded UiO-66-Type Porous Coordination Polymer. <i>ChemPlusChem</i> , 2016, 81, 817-821.	1.3	11
37	Inserting CO <sub>2</sub> into Aryl C-H Bonds of Metal-Organic Frameworks: CO <sub>2</sub> Utilization for Direct Heterogeneous C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5472-5476.	7.2	129
38	Central-metal exchange, improved catalytic activity, photoluminescence properties of a new family of d <sup>10</sup> coordination polymers based on the 5,5'-((1H-2,3,5-triazole-1,4-diyl)diisophthalic acid ligand. <i>Dalton Transactions</i> , 2016, 45, 7776-7785.	1.6	56
39	Research trend of metal-organic frameworks: a bibliometric analysis. <i>Scientometrics</i> , 2016, 109, 481-513.	1.6	91

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40	Positional isomerism-driven two 3D pillar-layered metal-organic frameworks: Syntheses, topological structures and photoluminescence properties. <i>Journal of Solid State Chemistry</i> , 2016, 238, 284-290.	1.4	14
41	Tetrahedral cage complex with planar vertices: selective synthesis of Pt <sub>4</sub> L <sub>6</sub> cage complexes involving hydrogen bonds driven by halide binding. <i>Chemical Communications</i> , 2016, 52, 7205-7208.	2.2	7
42	Rational construction of functional molybdenum (tungsten)-copper-sulfur coordination oligomers and polymers from preformed cluster precursors. <i>Chemical Society Reviews</i> , 2016, 45, 4995-5019.	18.7	113
43	Lanthanide Metal-Organic Frameworks for Luminescent Applications. <i>Fundamental Theories of Physics</i> , 2016, 50, 243-268.	0.1	24
44	In-Situ Ligand Formation-Driven Preparation of a Heterometallic Metal-Organic Framework for Highly Selective Separation of Light Hydrocarbons and Efficient Mercury Adsorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23331-23337.	4.0	72
45	A flexible metal-organic framework with double interpenetration for highly selective CO <sub>2</sub> capture at room temperature. <i>Science China Chemistry</i> , 2016, 59, 965-969.	4.2	30
46	Two highly porous single-crystalline zirconium-based metal-organic frameworks. <i>Science China Chemistry</i> , 2016, 59, 980-983.	4.2	14
47	Solvent-Controlled Assembly of Ionic Metal-Organic Frameworks Based on Indium and Tetracarboxylate Ligand: Topology Variety and Gas Sorption Properties. <i>Crystal Growth and Design</i> , 2016, 16, 5554-5562.	1.4	46
48	Four calcium(II) coordination polymers based on 2,5-dibromoterephthalic acid and different N-donor organic species: syntheses, structures, topologies, and luminescence properties. <i>CrystEngComm</i> , 2016, 18, 8664-8671.	1.3	30
49	Metal-Organic Framework-Polymer Composite as a Highly Efficient Sorbent for Sulfonamide Adsorption and Desorption: Effect of Coordinatively Unsaturated Metal Site and Topology. <i>Langmuir</i> , 2016, 32, 11465-11473.	1.6	45
50	Transformation of metal-organic frameworks for molecular sieving membranes. <i>Nature Communications</i> , 2016, 7, 11315.	5.8	140
51	Inserting CO <sub>2</sub> into Aryl C-H Bonds of Metal-Organic Frameworks: CO <sub>2</sub> Utilization for Direct Heterogeneous C-H Activation. <i>Angewandte Chemie</i> , 2016, 128, 5562-5566.	1.6	41
52	Encapsulation of Ln <sup>III</sup> ions/Ag nanoparticles within Cd(II) boron imidazolate frameworks for tuning luminescence emission. <i>Chemical Communications</i> , 2016, 52, 8577-8580.	2.2	17
53	Different two-dimensional metal-organic frameworks through ligand modification. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2193-2199.	0.8	4
54	Four Pb(II) metal-organic frameworks with increasing dimensions: structural diversities by varying the ligands. <i>New Journal of Chemistry</i> , 2016, 40, 6867-6873.	1.4	12
55	Controlling structural topology of metal-organic frameworks with a desymmetric 4-connected ligand through the design of metal-containing nodes. <i>Chinese Chemical Letters</i> , 2016, 27, 502-506.	4.8	23
56	Pyrazine-based donor tectons: synthesis, self-assembly and characterization. <i>RSC Advances</i> , 2016, 6, 8992-9001.	1.7	12
57	Encapsulation of a Metal-Organic Polyhedral in the Pores of a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 1138-1141.	6.6	114

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58	Structural transformations and solid-state reactivity involving nano lead(II) coordination polymers via thermal, mechanochemical and photochemical approaches. <i>Coordination Chemistry Reviews</i> , 2016, 310, 116-130.	9.5	47
59	Cooperative effects of lanthanides when associated with palladium in novel, 3D Pd/Ln coordination polymers. Sustainable applications as water-stable, heterogeneous catalysts in carbon-carbon cross-coupling reactions. <i>Applied Catalysis A: General</i> , 2016, 511, 1-10.	2.2	34
60	Zr-based metal-organic frameworks: design, synthesis, structure, and applications. <i>Chemical Society Reviews</i> , 2016, 45, 2327-2367.	18.7	1,905
61	A novel porous anionic metal-organic framework with pillared double-layer structure for selective adsorption of dyes. <i>Journal of Solid State Chemistry</i> , 2016, 233, 143-149.	1.4	22
62	Crystalline central-metal transformation in metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2016, 307, 130-146.	9.5	134
63	Photodriven single-crystal-to-single-crystal transformation. <i>Coordination Chemistry Reviews</i> , 2017, 346, 112-122.	9.5	108
64	Cu <sup>2+</sup> sorption from aqueous media by a recyclable Ca <sup>2+</sup> framework. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 773-781.	3.0	37
65	Solvent-mediated preparation of a heterometallic [2 Å–2] grid via a 1D metal-organic template with extraordinary acid/base-resistance. <i>RSC Advances</i> , 2017, 7, 5578-5582.	1.7	1
66	Six new coordination compounds based on rigid 5-(3-carboxy-phenyl)-pyridine-2-carboxylic acid: synthesis, structural variations and properties. <i>RSC Advances</i> , 2017, 7, 7217-7226.	1.7	15
67	Exploiting NMR spectroscopy for the study of disorder in solids. <i>International Reviews in Physical Chemistry</i> , 2017, 36, 39-115.	0.9	65
68	Controllable construction of metal-organic polyhedra in confined cavities via in situ site-induced assembly. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5278-5282.	5.2	18
69	Facile synthesis of an ultra-stable metal-organic framework with excellent acid and base resistance. <i>Faraday Discussions</i> , 2017, 201, 63-70.	1.6	14
70	A flexible porous copper-based metal-organic cage for carbon dioxide adsorption. <i>Inorganic Chemistry Communication</i> , 2017, 78, 28-31.	1.8	4
71	Water-Stable In(III)-Based Metal-Organic Frameworks with Rod-Shaped Secondary Building Units: Single-Crystal to Single-Crystal Transformation and Selective Sorption of C <sub>2</sub> H <sub>2</sub> over CO <sub>2</sub> and CH <sub>4</sub> . <i>Inorganic Chemistry</i> , 2017, 56, 2188-2197.	1.9	83
72	An anionic metal-organic framework with ternary building units for rapid and selective adsorption of dyes. <i>Dalton Transactions</i> , 2017, 46, 3332-3337.	1.6	88
73	Solvent-Assisted Metal Metathesis: A Highly Efficient and Versatile Route towards Synthetically Demanding Chromium Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2017, 129, 6578-6582.	1.6	4
74	A Fluorescent Zirconium-Based Metal-Organic Framework for Selective Detection of Nitro Explosives and Metal Ions. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1091-1097.	2.6	12
75	Toward Covalent Organic Frameworks Bearing Three Different Kinds of Pores: The Strategy for Construction and COF-to-COF Transformation via Heterogeneous Linker Exchange. <i>Journal of the American Chemical Society</i> , 2017, 139, 6736-6743.	6.6	217

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76	Metal-ion exchange induced structural transformation as a way of forming novel Ni(II) <sup>2+</sup> and Cu(II) <sup>2+</sup> salicylalimine structures. <i>Journal of Solid State Chemistry</i> , 2017, 246, 23-28.	1.4	8
77	A Flexible Doubly Interpenetrated Metal-Organic Framework with Breathing Behavior and Tunable Gate Opening Effect by Introducing Co <sup>2+</sup> into Zn <sub>4</sub> O Clusters. <i>Inorganic Chemistry</i> , 2017, 56, 6645-6651.	1.9	39
78	Solvent-Assisted Metal Metathesis: A Highly Efficient and Versatile Route towards Synthetically Demanding Chromium Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6478-6482.	7.2	80
79	Reversible Single-Crystal-to-Single-Crystal Transformations of Metal-Organic Frameworks that Accompany Two-Dimensional Framework Reorganizations. <i>Crystal Growth and Design</i> , 2017, 17, 2228-2237.	1.4	6
80	Cu <sub>2</sub> O Mediated Synthesis of Metal-Organic Framework UiO-66 in Nanometer Scale. <i>Crystal Growth and Design</i> , 2017, 17, 685-692.	1.4	15
81	Anion-Cation Mediated Structural Rearrangement of an In-derived Three-Dimensional Interpenetrated Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2017, 56, 950-955.	1.9	6
82	Zinc(II) and Copper(II) Hybrid Frameworks via Metal-Ion Metathesis with Enhanced Gas Uptake and Photoluminescence Properties. <i>Inorganic Chemistry</i> , 2017, 56, 14157-14163.	1.9	33
83	Enhancement of photocatalytic performance in two zinc-based metal-organic frameworks by solvent assisted linker exchange. <i>CrystEngComm</i> , 2017, 19, 5749-5754.	1.3	39
84	Topologically Guided, Automated Construction of Metal-Organic Frameworks and Their Evaluation for Energy-Related Applications. <i>Crystal Growth and Design</i> , 2017, 17, 5801-5810.	1.4	176
85	A 2D Coordination Network That Detects Nitro Explosives in Water, Catalyzes Baylis-Hillman Reactions, and Undergoes Unusual 2D <sup>+</sup> 3D Single-Crystal to Single-Crystal Transformation. <i>Inorganic Chemistry</i> , 2017, 56, 8847-8855.	1.9	43
86	The Design of Dual-Emissive Composite Material [Zn <sub>2</sub> (HL) <sub>3</sub> ] <sup>+</sup> @MOF-5 as Self-Calibrating Luminescent Sensors of Al <sup>3+</sup> Ions and Monoethanolamine. <i>Inorganic Chemistry</i> , 2017, 56, 9555-9562.	1.9	40
87	Chromium(II) Metal-Organic Polyhedra as Highly Porous Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28064-28068.	4.0	74
88	Construction of Eu(III)- and Tb(III)-MOFs with photoluminescence for sensing small molecules based on furan-2,5-dicarboxylic acid. <i>Journal of Solid State Chemistry</i> , 2017, 255, 76-81.	1.4	27
89	Coordination change, lability and hemilability in metal-organic frameworks. <i>Chemical Society Reviews</i> , 2017, 46, 5444-5462.	18.7	216
90	Synthesis of Denser Energetic Metal-Organic Frameworks via a Tandem Anion-Ligand Exchange Strategy. <i>Inorganic Chemistry</i> , 2017, 56, 10281-10289.	1.9	24
91	Novel Viologen Derivative Based Uranyl Coordination Polymers Featuring Photochromic Behaviors. <i>Chemistry - A European Journal</i> , 2017, 23, 18074-18083.	1.7	56
92	Long-lasting phosphorescence with a tunable color in a Mn <sup>2+</sup> -doped anionic metal-organic framework. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7898-7903.	2.7	56
93	Two Polymorphs of an Organic-Zincophosphate Incorporating a Terephthalate Bridging Ligand in an Unusual Bonding Mode. <i>Inorganic Chemistry</i> , 2017, 56, 7602-7605.	1.9	12

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94	Three novel bismuth-based coordination polymers: Synthesis, structure and luminescent properties. <i>Inorganic Chemistry Communication</i> , 2017, 85, 70-73.	1.8	22
95	Solvent-Dependent Synthesis of Porous Anionic Uranyl-Organic Frameworks Featuring a Highly Symmetrical (3,4)-Connected <i>ctn</i> or <i>bor</i> Topology for Selective Dye Adsorption. <i>Chemistry - A European Journal</i> , 2017, 23, 529-532.	1.7	57
96	Dynamic Behavior of Porous Coordination Polymers. , 2017, , 425-474.		2
97	Binuclear Mn <sup>2+</sup> complexes of a biphenyltetracarboxylic acid with variable N-donor ligands: syntheses, structures, and magnetic properties. <i>CrystEngComm</i> , 2018, 20, 1818-1831.	1.3	20
98	Semirigid Tripodal Ligand Based Uranyl Coordination Polymer Isomers Featuring 2D Honeycomb Nets. <i>Inorganic Chemistry</i> , 2018, 57, 4492-4501.	1.9	29
99	Microfluidic synthesis of uniform single-crystalline MOF microcubes with a hierarchical porous structure. <i>Nanoscale</i> , 2018, 10, 9192-9198.	2.8	49
100	A Series of Organic-Inorganic Hybrid Zinc Phosphites Containing Extra-Large Channels. <i>Inorganic Chemistry</i> , 2018, 57, 2390-2393.	1.9	17
101	A versatile MOF-based trap for heavy metal ion capture and dispersion. <i>Nature Communications</i> , 2018, 9, 187.	5.8	543
102	Robust multifunctional Zr-based metal-organic polyhedra for high proton conductivity and selective CO <sub>2</sub> capture. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7724-7730.	5.2	101
103	Sonochemical synthesis and characterization of a new nano Ce(III) coordination supramolecular compound; highly sensitive direct fluorescent sensor for Cu <sup>2+</sup> . <i>Ultrasonics Sonochemistry</i> , 2018, 40, 453-459.	3.8	23
104	Heterogeneous catalysts based on mesoporous metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2018, 373, 199-232.	9.5	113
105	Uranyl-Organic Coordination Compounds Incorporating Photoactive Vinylpyridine Moieties: Synthesis, Structural Characterization, and Light-Induced Fluorescence Attenuation. <i>Inorganic Chemistry</i> , 2018, 57, 14772-14785.	1.9	18
106	Encapsulation of N-decorated metal sub-nanoclusters/single atoms into a metal-organic framework for highly efficient catalysis. <i>Chemical Science</i> , 2018, 9, 8962-8968.	3.7	27
107	Metal Acetylacetonates as a Source of Metals for Aqueous Synthesis of Metal-Organic Frameworks. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14554-14560.	3.2	41
108	An anionic metal-organic framework: metathesis of zinc( <i>scp</i> ) with copper( <i>scp</i> ) for efficient C <sub>3</sub> /C <sub>2</sub> hydrocarbon and organic dye separation. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2898-2905.	3.0	18
109	Actinide-Based Porphyrinic MOF as a Dehydrogenation Catalyst. <i>Chemistry - A European Journal</i> , 2018, 24, 16766-16769.	1.7	37
110	(3,3)-Connected Three-dimensional Supramolecular Metal Organic Polyhedral Based on Nanometresized Ligand with Magnetism Properties. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 723-726.	1.3	2
111	Modulating CO <sub>2</sub> Adsorption in Metal-Organic Frameworks via Metal-Ion Doping. <i>Inorganic Chemistry</i> , 2018, 57, 6135-6141.	1.9	21

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112	Photonic functional metal-organic frameworks. <i>Chemical Society Reviews</i> , 2018, 47, 5740-5785.	18.7	528
113	Structure and Fluorescence Properties of a Two-Dimensional Zinc(II) Coordination Polymer Containing Isophthalate. <i>Journal of Structural Chemistry</i> , 2018, 59, 720-724.	0.3	1
114	Recent advances in POM-organic frameworks and POM-organic polyhedra. <i>Coordination Chemistry Reviews</i> , 2019, 397, 220-240.	9.5	172
115	Biopolymer@Metal-Organic Framework Hybrid Materials: A Critical Survey. <i>Progress in Materials Science</i> , 2019, 106, 100579.	16.0	63
116	Stabilizing Metal-Organic Polyhedra (MOP): Issues and Strategies. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3096-3108.	1.7	66
117	Metal-Organic Framework-Derived Fe/Co-based Bifunctional Electrode for H <sub>2</sub> Production through Water and Urea Electrolysis. <i>ChemSusChem</i> , 2019, 12, 4810-4823.	3.6	64
118	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
119	Ligand Exchange in the Synthesis of Metal-Organic Frameworks Occurs Through Acid-Catalyzed Associative Substitution. <i>Inorganic Chemistry</i> , 2019, 58, 14457-14466.	1.9	18
120	Post synthetic exchange enables orthogonal click chemistry in a metal organic framework. <i>Dalton Transactions</i> , 2019, 48, 45-49.	1.6	17
121	Fabrication of Desired Metal-Organic Frameworks via Postsynthetic Exchange and Sequential Linker Installation. <i>Crystal Growth and Design</i> , 2019, 19, 1454-1470.	1.4	57
122	Ultrasonic-Assisted Linker Exchange (USALE): A Novel Post-Synthesis Method for Controlling the Functionality, Porosity, and Morphology of MOFs. <i>Chemistry - A European Journal</i> , 2019, 25, 10876-10885.	1.7	24
123	Metal-Carboxyl Helical Chain Secondary Units Supported Ion-Exchangeable Anionic Uranyl-Organic Framework. <i>Chemistry - A European Journal</i> , 2019, 25, 10309-10313.	1.7	12
124	Syntheses, crystal structures, and photocatalytic properties of two zinc(II) coordination polymers based on dicarboxylates and flexible bis(benzimidazole) ligands. <i>Polyhedron</i> , 2019, 167, 44-50.	1.0	12
125	Density Functional Theory Studies of Catalytic Sites in Metal-Organic Frameworks. , 0, , .		3
126	Vapor-assisted preparation of Mn/Fe/Co/Zn-Cu bimetallic metal-organic frameworks based on octahedron micron crystals (PCN-6 <sup>2</sup> ). <i>New Journal of Chemistry</i> , 2019, 43, 6452-6456.	1.4	6
127	Cobalt substitution in a flexible metal-organic framework: modulating a soft paddle-wheel unit for tunable gate-opening adsorption. <i>Dalton Transactions</i> , 2019, 48, 7100-7104.	1.6	9
128	Maximizing Photoresponsive Efficiency by Isolating Metal-Organic Polyhedra into Confined Nanoscaled Spaces. <i>Journal of the American Chemical Society</i> , 2019, 141, 8221-8227.	6.6	71
129	A quantitative transmetalation with a metal organic framework compound in a solid-liquid interface reaction: synthesis, structure, kinetics, spectroscopy and electrochemistry. <i>CrystEngComm</i> , 2019, 21, 2438-2446.	1.3	5



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130	Desulfurization Efficiency Preserved in a Heterometallic MOF: Synthesis and Thermodynamically Controlled Phase Transition. <i>Advanced Science</i> , 2019, 6, 1802056.	5.6	17
131	<i>In situ</i> nitroso formation induced structural diversity of uranyl coordination polymers. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 775-785.	3.0	19
132	Selective detection and removal of mercury ions by dual-functionalized metal-organic frameworks: design-for-purpose. <i>New Journal of Chemistry</i> , 2019, 43, 18079-18091.	1.4	49
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