Shengqian

List of Publications by Year
in descending order

335 papers	40,569 citations	1612 105 h-index	2825 191 g-index
341 all docs	341 docs citations	341 times ranked	25079 citing authors

#	ARTICLE	IF	CITATIONS
1	Porous materials with optimal adsorption thermodynamics and kinetics for CO2 separation. Nature, 2013, 495, 80-84.	13.7	2,005
2	A Homochiral Porous Metalâˆ’Organic Framework for Highly Enantioselective Heterogeneous Asymmetric Catalysis. Journal of the American Chemical Society, 2005, 127, 8940-8941.	6.6	1,814
3	Targeted Synthesis of a Porous Aromatic Framework with High Stability and Exceptionally High Surface Area. Angewandte Chemie - International Edition, 2009, 48, 9457-9460.	7.2	1,272
4	Gas storage in porous metalâ€“organic frameworks for clean energy applications. Chemical Communications, 2010, 46, 44-53.	2.2	1,210
5	Metal-Organic Framework from an Anthracene Derivative Containing Nanoscopic Cages Exhibiting High Methane Uptake. Journal of the American Chemical Society, 2008, 130, 1012-1016.	6.6	813
6	Postsynthetically Modified Covalent Organic Frameworks for Efficient and Effective Mercury Removal. Journal of the American Chemical Society, 2017, 139, 2786-2793.	6.6	808
7	Covalent organic frameworks for separation applications. Chemical Society Reviews, 2020, 49, 708-735.	18.7	804
8	Framework-Catenation Isomerism in Metalâˆ’Organic Frameworks and Its Impact on Hydrogen Uptake. Journal of the American Chemical Society, 2007, 129, 1858-1859.	6.6	608
9	An Interweaving MOF with High Hydrogen Uptake. Journal of the American Chemical Society, 2006, 128, 3896-3897.	6.6	567
10	Immobilization of MP-11 into a Mesoporous Metalâ€“Organic Framework, MP-11@mesoMOF: A New Platform for Enzymatic Catalysis. Journal of the American Chemical Society, 2011, 133, 10382-10385.	6.6	563
11	Metalâ€“metalloporphyrin frameworks: a resurging class of functional materials. Chemical Society Reviews, 2014, 43, 5841-5866.	18.7	547
12	Crystal Engineering of an nbo Topology Metalâ€“Organic Framework for Chemical Fixation of CO₂ under Ambient Conditions. Angewandte Chemie - International Edition, 2014, 53, 2615-2619.	7.2	505
13	Mercury nano-trap for effective and efficient removal of mercury(II) from aqueous solution. Nature Communications, 2014, 5, 5537.	5.8	481
14	A Metalâˆ’Organic Framework with Entatic Metal Centers Exhibiting High Gas Adsorption Affinity. Journal of the American Chemical Society, 2006, 128, 11734-11735.	6.6	477
15	Rationally Designed Micropores within a Metalâˆ’Organic Framework for Selective Sorption of Gas Molecules. Inorganic Chemistry, 2007, 46, 1233-1236.	1.9	471
16	Applications of metal-organic frameworks featuring multi-functional sites. Coordination Chemistry Reviews, 2016, 307, 106-129.	9.5	471
17	Metalâ€Organic Frameworks for CO₂ Chemical Transformations. Small, 2016, 12, 6309-6324.	5.2	458
18	Recent advances in MOF-based photocatalysis: environmental remediation under visible light. Inorganic Chemistry Frontiers, 2020, 7, 300-339.	3.0	429

#	ARTICLE	IF	CITATIONS
19	Flexibility Matters: Cooperative Active Sites in Covalent Organic Framework and Threaded Ionic Polymer. Journal of the American Chemical Society, 2016, 138, 15790-15796.	6.6	414
20	Covalent Organic Frameworks as a Decorating Platform for Utilization and Affinity Enhancement of Chelating Sites for Radionuclide Sequestration. Advanced Materials, 2018, 30, e1705479.	11.1	398
21	Cobalt Imidazolate Framework as Precursor for Oxygen Reduction Reaction Electrocatalysts. Chemistry - A European Journal, 2011, 17, 2063-2067.	1.7	390
22	Introduction of Ï€-Complexation into Porous Aromatic Framework for Highly Selective Adsorption of Ethylene over Ethane. Journal of the American Chemical Society, 2014, 136, 8654-8660.	6.6	383
23	Opportunities of Covalent Organic Frameworks for Advanced Applications. Advanced Science, 2019, 6, 1801410.	5.6	368
24	A Mesh-Adjustable Molecular Sieve for General Use in Gas Separation. Angewandte Chemie - International Edition, 2007, 46, 2458-2462.	7.2	358
25	How Can Proteins Enter the Interior of a MOF? Investigation of Cytochrome <i>c</i> Translocation into a MOF Consisting of Mesoporous Cages with Microporous Windows. Journal of the American Chemical Society, 2012, 134, 13188-13191.	6.6	320
26	A Mesoporous Metalâˆ'Organic Framework with Permanent Porosity. Journal of the American Chemical Society, 2006, 128, 16474-16475.	6.6	314
27	Pore Environment Control and Enhanced Performance of Enzymes Infiltrated in Covalent Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 984-992.	6.6	310
28	Enhancing H₂ Uptake by â€œCloseâ€Packingâ€•Alignment of Open Copper Sites in Metalâ€"Organic Frameworks. Angewandte Chemie - International Edition, 2008, 47, 7263-7266.	7.2	306
29	Highly Selective Carbon Dioxide Uptake by [Cu(bpy-<i>n</i>)₂(SiF₆)] (bpy-1 =) Tj ETQq1 1 0.784314 rgBT /O 3663-3666.	6.6	303
30	Bio-inspired nano-traps for uranium extraction from seawater and recovery from nuclear waste. Nature Communications, 2018, 9, 1644.	5.8	300
31	Hydrogen Adsorption in a Highly Stable Porous Rare-Earth Metal-Organic Framework: Sorption Properties and Neutron Diffraction Studies. Journal of the American Chemical Society, 2008, 130, 9626-9627.	6.6	294
32	A metalâ€"organic framework and conducting polymer based electrochemical sensor for high performance cadmium ion detection. Journal of Materials Chemistry A, 2017, 5, 8385-8393.	5.2	294
33	A Stable Metalâ€"Organic Framework Featuring a Local Buffer Environment for Carbon Dioxide Fixation. Angewandte Chemie - International Edition, 2018, 57, 4657-4662.	7.2	283
34	A Coordinatively Linked Yb Metalâ€"Organic Framework Demonstrates High Thermal Stability and Uncommon Gasâ€Adsorption Selectivity. Angewandte Chemie - International Edition, 2008, 47, 4130-4133.	7.2	280
35	Predicting capacity of hard carbon anodes in sodium-ion batteries using porosity measurements. Carbon, 2014, 76, 165-174.	5.4	279
36	Efficient Mercury Capture Using Functionalized Porous Organic Polymer. Advanced Materials, 2017, 29, 1700665.	11.1	255

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37	Metalâ˘Organic Frameworks Based on Double-Bond-Coupled Di-Isophthalate Linkers with High Hydrogen and Methane Uptakes. Chemistry of Materials, 2008, 20, 3145-3152.	3.2	248
38	Toward a Visible Light-Driven Photocatalyst: The Effect of Midgap-States-Induced Energy Gap of Undoped TiO₂ Nanoparticles. ACS Catalysis, 2015, 5, 327-335.	5.5	244
39	Metalâ€“Organic Framework Based upon the Synergy of a BrÃ¸nsted Acid Framework and Lewis Acid Centers as a Highly Efficient Heterogeneous Catalyst for Fixed-Bed Reactions. Journal of the American Chemical Society, 2015, 137, 4243-4248.	6.6	242
40	Fabricating Covalent Organic Framework Capsules with Commodious Microenvironment for Enzymes. Journal of the American Chemical Society, 2020, 142, 6675-6681.	6.6	236
41	Packaging and delivering enzymes by amorphous metal-organic frameworks. Nature Communications, 2019, 10, 5165.	5.8	234
42	A Triply Interpenetrated Microporous Metalâ˘Organic Framework for Selective Sorption of Gas Molecules. Inorganic Chemistry, 2007, 46, 8490-8492.	1.9	230
43	Biomimetic Catalysis of a Porous Iron-Based Metalâ€“Metalloporphyrin Framework. Inorganic Chemistry, 2012, 51, 12600-12602.	1.9	230
44	Metalâ€“Organic Frameworks with Exceptionally High Methane Uptake: Where and How is Methane Stored?. Chemistry - A European Journal, 2010, 16, 5205-5214.	1.7	227
45	Simultaneous Trapping of C₂H₂ and C₂H₆ from a Ternary Mixture of C₂H₂/C₂H₄/C₂H₆ in a Robust Metalâ€“Organic Framework for the Purification of C₂H₄. Angewandte Chemie - International Edition, 2018, 57, 16067-16071.	7.2	223
46	Incorporation of biomolecules in Metal-Organic Frameworks for advanced applications. Coordination Chemistry Reviews, 2019, 384, 90-106.	9.5	220
47	Functionalized Porous Aromatic Framework for Efficient Uranium Adsorption from Aqueous Solutions. ACS Applied Materials & Interfaces, 2017, 9, 12511-12517.	4.0	215
48	Structural Engineering of Lowâ€Dimensional Metalâ€“Organic Frameworks: Synthesis, Properties, and Applications. Advanced Science, 2019, 6, 1802373.	5.6	214
49	Metalâ€“Organic Frameworks for Enzyme Immobilization: Beyond Host Matrix Materials. ACS Central Science, 2020, 6, 1497-1506.	5.3	212
50	Functionalized metalâ€“organic framework as a new platform for efficient and selective removal of cadmium(<scp>ii</scp>) from aqueous solution. Journal of Materials Chemistry A, 2015, 3, 15292-15298.	5.2	210
51	A porous metalâ€“metalloporphyrin framework featuring high-density active sites for chemical fixation of CO₂under ambient conditions. Chemical Communications, 2014, 50, 5316-5318.	2.2	203
52	Covalent Organic Frameworks with Chirality Enriched by Biomolecules for Efficient Chiral Separation. Angewandte Chemie - International Edition, 2018, 57, 16754-16759.	7.2	200
53	Combined Intrinsic and Extrinsic Proton Conduction in Robust Covalent Organic Frameworks for Hydrogen Fuel Cell Applications. Angewandte Chemie - International Edition, 2020, 59, 3678-3684.	7.2	196
54	Hydrogen Adsorption in an Interpenetrated Dynamic Metalâ˘Organic Framework. Inorganic Chemistry, 2006, 45, 5718-5720.	1.9	193

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55	Microporous Lanthanide Metal-Organic Frameworks Containing Coordinatively Linked Interpenetration: Syntheses, Gas Adsorption Studies, Thermal Stability Analysis, and Photoluminescence Investigation. Inorganic Chemistry, 2009, 48, 2072-2077.	1.9	189
56	Functionalized Ironâ€“Nitrogenâ€“Carbon Electrocatalyst Provides a Reversible Electron Transfer Platform for Efficient Uranium Extraction from Seawater. Advanced Materials, 2021, 33, e2106621.	11.1	184
57	A Metalâ€“Organic Framework Based Methane Nanoâ€trap for the Capture of Coalâ€Mine Methane. Angewandte Chemie - International Edition, 2019, 58, 10138-10141.	7.2	181
58	A MOFâ€based Ultraâ€Strong Acetylene Nanoâ€trap for Highly Efficient C₂H₂/CO₂ Separation. Angewandte Chemie - International Edition, 2021, 60, 5283-5288.	7.2	172
59	Metalâ€“Organic Framework Based Hydrogen-Bonding Nanotrap for Efficient Acetylene Storage and Separation. Journal of the American Chemical Society, 2022, 144, 1681-1689.	6.6	172
60	Metal-Cation-Directed <i>de Novo</i> Assembly of a Functionalized Guest Molecule in the Nanospace of a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2014, 136, 1202-1205.	6.6	168
61	De Novo Design and Facile Synthesis of 2D Covalent Organic Frameworks: A Two-in-One Strategy. Journal of the American Chemical Society, 2019, 141, 13822-13828.	6.6	167
62	Lower Activation Energy for Catalytic Reactions through Hostâ€“Guest Cooperation within Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2018, 57, 10107-10111.	7.2	166
63	An unusual case of symmetry-preserving isomerism. Chemical Communications, 2010, 46, 1329.	2.2	162
64	Synthesis, characterization, and photoluminescence of isostructural Mn, Co, and Zn MOFs having a diamondoid structure with large tetrahedral cages and high thermal stability. Chemical Communications, 2005, , 2663.	2.2	161
65	Reversible Switching between Highly Porous and Nonporous Phases of an Interpenetrated Diamondoid Coordination Network That Exhibits Gateâ€Opening at Methane Storage Pressures. Angewandte Chemie - International Edition, 2018, 57, 5684-5689.	7.2	161
66	Integrating Superwettability within Covalent Organic Frameworks for Functional Coating. CheM, 2018, 4, 1726-1739.	5.8	157
67	Crystal Engineering of a Microporous, Catalytically Active fcu Topology MOF Using a Customâ€Designed Metalloporphyrin Linker. Angewandte Chemie - International Edition, 2012, 51, 10082-10085.	7.2	154
68	Size-Selective Biocatalysis of Myoglobin Immobilized into a Mesoporous Metalâ€“Organic Framework with Hierarchical Pore Sizes. Inorganic Chemistry, 2012, 51, 9156-9158.	1.9	152
69	Highly selective adsorption of ethylene over ethane in a MOF featuring the combination of open metal site and Ï€-complexation. Chemical Communications, 2015, 51, 2714-2717.	2.2	151
70	Further Investigation of the Effect of Framework Catenation on Hydrogen Uptake in Metalâˆ'Organic Frameworks. Journal of the American Chemical Society, 2008, 130, 15896-15902.	6.6	148
71	Robust Metalâˆ'Organic Framework Enforced by Triple-Framework Interpenetration Exhibiting High H₂ Storage Density. Inorganic Chemistry, 2008, 47, 6825-6828.	1.9	148
72	Tunability of Band Gaps in Metalâ€“Organic Frameworks. Inorganic Chemistry, 2012, 51, 9039-9044.	1.9	148

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73	Green synthesis of olefin-linked covalent organic frameworks for hydrogen fuel cell applications. Nature Communications, 2021, 12, 1982.	5.8	147
74	Selective removal of cesium and strontium using porous frameworks from high level nuclear waste. Chemical Communications, 2016, 52, 5940-5942.	2.2	145
75	Three-Dimensional Porous Metalâ€“Metalloporphyrin Framework Consisting of Nanoscopic Polyhedral Cages. Journal of the American Chemical Society, 2011, 133, 16322-16325.	6.6	142
76	Facile Approach to Graft Ionic Liquid into MOF for Improving the Efficiency of CO₂ Chemical Fixation. ACS Applied Materials & Interfaces, 2018, 10, 27124-27130.	4.0	142
77	Indiumâ€“Organic Frameworks Based on Dual Secondary Building Units Featuring Halogen-Decorated Channels for Highly Effective CO₂ Fixation. Chemistry of Materials, 2019, 31, 1084-1091.	3.2	142
78	Ultramicroporous Metalâˆ’Organic Framework Based on 9,10-Anthracenedicarboxylate for Selective Gas Adsorption. Inorganic Chemistry, 2007, 46, 8499-8501.	1.9	138
79	Biomimetic catalysis of metalâ€“organic frameworks. Dalton Transactions, 2016, 45, 9744-9753.	1.6	138
80	How Do Enzymes Orient When Trapped on Metalâ€“Organic Framework (MOF) Surfaces?. Journal of the American Chemical Society, 2018, 140, 16032-16036.	6.6	138
81	A porous covalent porphyrin framework with exceptional uptake capacity of saturated hydrocarbons for oil spill cleanup. Chemical Communications, 2013, 49, 1533.	2.2	136
82	Internet of Things and BOM-Based Life Cycle Assessment of Energy-Saving and Emission-Reduction of Products. IEEE Transactions on Industrial Informatics, 2014, 10, 1252-1261.	7.2	136
83	A molecular-level superhydrophobic external surface to improve the stability of metalâ€“organic frameworks. Journal of Materials Chemistry A, 2017, 5, 18770-18776.	5.2	135
84	Tailored Porous Organic Polymers for Task-Specific Water Purification. Accounts of Chemical Research, 2020, 53, 812-821.	7.6	134
85	Why Does Enzyme Not Leach from Metalâ€“Organic Frameworks (MOFs)? Unveiling the Interactions between an Enzyme Molecule and a MOF. Inorganic Chemistry, 2014, 53, 10006-10008.	1.9	132
86	Fabrication of Highly Sensitive and Stable Hydroxylamine Electrochemical Sensor Based on Gold Nanoparticles and Metalâ€“Metalloporphyrin Framework Modified Electrode. ACS Applied Materials & Interfaces, 2016, 8, 18173-18181.	4.0	132
87	Inserting CO₂ into Aryl Câˆ’H Bonds of Metalâ€“Organic Frameworks: CO₂ Utilization for Direct Heterogeneous Câˆ’H Activation. Angewandte Chemie - International Edition, 2016, 55, 5472-5476.	7.2	129
88	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie - International Edition, 2019, 58, 8670-8675.	7.2	128
89	Porous Ionic Polymers as a Robust and Efficient Platform for Capture and Chemical Fixation of Atmospheric CO₂. ChemSusChem, 2017, 10, 1160-1165.	3.6	127
90	Imparting amphiphobicity on single-crystalline porous materials. Nature Communications, 2016, 7, 13300.	5.8	126

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91	PolyCOFs: A New Class of Freestanding Responsive Covalent Organic Framework Membranes with High Mechanical Performance. ACS Central Science, 2019, 5, 1352-1359.	5.3	126
92	Solvent-Free Preparation of Nanosized Sulfated Zirconia with BrÃ¸nsted Acidic Sites from a Simple Calcination. Journal of Physical Chemistry B, 2005, 109, 2567-2572.	1.2	124
93	Antibodies@MOFs: An In Vitro Protective Coating for Preparation and Storage of Biopharmaceuticals. Advanced Materials, 2019, 31, e1805148.	11.1	123
94	Selective Gas Sorption within a Dynamic Metal-Organic Framework. Inorganic Chemistry, 2007, 46, 8705-8709.	1.9	122
95	Optimizing radionuclide sequestration in anion nanotraps with record pertechnetate sorption. Nature Communications, 2019, 10, 1646.	5.8	122
96	A bifunctional metalâ€“organic framework featuring the combination of open metal sites and Lewis basic sites for selective gas adsorption and heterogeneous cascade catalysis. Journal of Materials Chemistry A, 2016, 4, 15240-15246.	5.2	120
97	Metal-Organic Framework Anchored with a Lewis Pair as a New Paradigm for Catalysis. CheM, 2018, 4, 2587-2599.	5.8	120
98	Metalâˆ'Organic Framework Based on a Trinickel Secondary Building Unit Exhibiting Gas-Sorption Hysteresis. Inorganic Chemistry, 2007, 46, 3432-3434.	1.9	119
99	Preparation and Gas Adsorption Studies of Three Mesh-Adjustable Molecular Sieves with a Common Structure. Journal of the American Chemical Society, 2009, 131, 6445-6451.	6.6	117
100	Fabrication of Robust Covalent Organic Frameworks for Enhanced Visible-Light-Driven H₂ Evolution. ACS Catalysis, 2021, 11, 2098-2107.	5.5	116
101	Interpenetrating Metalâ€“Metalloporphyrin Framework for Selective CO₂ Uptake and Chemical Transformation of CO₂. Inorganic Chemistry, 2016, 55, 7291-7294.	1.9	115
102	Tuning Pore Heterogeneity in Covalent Organic Frameworks for Enhanced Enzyme Accessibility and Resistance against Denaturants. Advanced Materials, 2019, 31, e1900008.	11.1	114
103	Programming Covalent Organic Frameworks for Photocatalysis: Investigation of Chemical and Structural Variations. Matter, 2020, 2, 416-427.	5.0	110
104	Large-scale synthesis of N-doped carbon capsules supporting atomically dispersed iron for efficient oxygen reduction reaction electrocatalysis. EScience, 2022, 2, 227-234.	25.0	108
105	Removal of Pertechnetateâ€Related Oxyanions from Solution Using Functionalized Hierarchical Porous Frameworks. Chemistry - A European Journal, 2016, 22, 17581-17584.	1.7	107
106	Quantitative Study of Interactions between Oxygen Lone Pair and Aromatic Rings:â€‰ Substituent Effect and the Importance of Closeness of Contact. Journal of Organic Chemistry, 2008, 73, 689-693.	1.7	106
107	Postâ€Synthetic Modification of Porphyrinâ€Encapsulating Metalâ€“Organic Materials by Cooperative Addition of Inorganic Salts to Enhance CO₂<i>/</i>CH₄ Selectivity. Angewandte Chemie - International Edition, 2012, 51, 9330-9334.	7.2	106
108	Tunable Synthesis of Hollow Metalâ€“Nitrogenâ€“Carbon Capsules for Efficient Oxygen Reduction Catalysis in Proton Exchange Membrane Fuel Cells. ACS Nano, 2019, 13, 8087-8098.	7.3	106

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109	Dual functionalization of porous aromatic frameworks as a new platform for heterogeneous cascade catalysis. Chemical Communications, 2014, 50, 8507.	2.2	105
110	Metalâ€“Organic Framework Disintegrants: Enzyme Preparation Platforms with Boosted Activity. Angewandte Chemie - International Edition, 2020, 59, 16764-16769.	7.2	105
111	The coordination chemistry of N-heterocyclic carboxylic acid: A comparison of the coordination polymers constructed by 4,5-imidazoledicarboxylic acid and 1H-1,2,3-triazole-4,5-dicarboxylic acid. Coordination Chemistry Reviews, 2017, 352, 108-150.	9.5	104
112	A metalâ€“metalloporphyrin framework based on an octatopic porphyrin ligand for chemical fixation of CO₂with aziridines. Chemical Communications, 2018, 54, 1170-1173.	2.2	104
113	Gas adsorption applications of porous metalâ€“organic frameworks. Pure and Applied Chemistry, 2009, 81, 2235-2251.	0.9	101
114	A Robust Highly Interpenetrated Metalâˆ’Organic Framework Constructed from Pentanuclear Clusters for Selective Sorption of Gas Molecules. Inorganic Chemistry, 2010, 49, 8444-8448.	1.9	100
115	Reducing CO2 to dense nanoporous graphene by Mg/Zn for high power electrochemical capacitors. Nano Energy, 2015, 11, 600-610.	8.2	100
116	Boosting Catalytic Performance of Metalâ€“Organic Framework by Increasing the Defects via a Facile and Green Approach. ACS Applied Materials & Interfaces, 2017, 9, 34937-34943.	4.0	100
117	Cucurbit[7]uril: an amorphous molecular material for highly selective carbon dioxide uptake. Chemical Communications, 2011, 47, 7626.	2.2	99
118	Fabrication of Lightâ€Triggered Soft Artificial Muscles via a Mixedâ€Matrix Membrane Strategy. Angewandte Chemie - International Edition, 2018, 57, 10192-10196.	7.2	98
119	Microporous lanthanide metal-organic frameworks. Reviews in Inorganic Chemistry, 2012, 32, 81-100.	1.8	96
120	Superhydrophobicity: Constructing Homogeneous Catalysts into Superhydrophobic Porous Frameworks to Protect Them from Hydrolytic Degradation. CheM, 2016, 1, 628-639.	5.8	93
121	Opportunities of Porous Organic Polymers for Radionuclide Sequestration. Trends in Chemistry, 2019, 1, 292-303.	4.4	93
122	Quest for highly porous metalâ€“metalloporphyrin framework based upon a custom-designed octatopic porphyrin ligand. Chemical Communications, 2012, 48, 7173.	2.2	92
123	Vertex-directed self-assembly of a high symmetry supermolecular building block using a custom-designed porphyrin. Chemical Science, 2012, 3, 2823.	3.7	92
124	Design Strategies to Enhance Amidoxime Chelators for Uranium Recovery. ACS Applied Materials & Interfaces, 2019, 11, 30919-30926.	4.0	91
125	Pore environment engineering in metalâ€“organic frameworks for efficient ethane/ethylene separation. Journal of Materials Chemistry A, 2019, 7, 13585-13590.	5.2	91
126	Heat-treatment of metalâ€“organic frameworks for green energy applications. CrystEngComm, 2015, 17, 10-22.	1.3	89

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127	Nanospace Engineering of Metalâ€“Organic Frameworks through Dynamic Spacer Installation of Multifunctionalities for Efficient Separation of Ethane from Ethane/Ethylene Mixtures. Angewandte Chemie - International Edition, 2021, 60, 9680-9685.	7.2	89
128	Promoting Frustrated Lewis Pairs for Heterogeneous Chemoselective Hydrogenation via the Tailored Pore Environment within Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2019, 58, 7420-7424.	7.2	85
129	Siderophore-inspired chelator hijacks uranium from aqueous medium. Nature Communications, 2019, 10, 819.	5.8	84
130	A Corroleâ€Based Covalent Organic Framework Featuring Desymmetrized Topology. Angewandte Chemie - International Edition, 2020, 59, 4354-4359.	7.2	84
131	A nanotubular metalâ€“organic framework with permanent porosity: structure analysis and gas sorption studies. Chemical Communications, 2009, , 4049.	2.2	83
132	Coordination-Driven Polymerization of Supramolecular Nanocages. Journal of the American Chemical Society, 2015, 137, 14873-14876.	6.6	83
133	Robust Corrole-Based Metalâ€“Organic Frameworks with Rare 9-Connected Zr/Hf-Oxo Clusters. Journal of the American Chemical Society, 2019, 141, 14443-14450.	6.6	83
134	Photomechanical Organic Crystals as Smart Materials for Advanced Applications. Chemistry - A European Journal, 2019, 25, 5611-5622.	1.7	83
135	Recent development of metal-organic framework nanocomposites for biomedical applications. Biomaterials, 2022, 281, 121322.	5.7	83
136	Formation of a Metalloporphyrinâ€Based Nanoreactor by Postsynthetic Metalâ€“Ion Exchange of a Polyhedralâ€Cage Containing a Metalâ€“Metalloporphyrin Framework. Chemistry - A European Journal, 2013, 19, 3297-3301.	1.7	82
137	Pore surface engineering of covalent organic frameworks: structural diversity and applications. Nanoscale, 2019, 11, 21679-21708.	2.8	82
138	Imparting Ion Selectivity to Covalent Organic Framework Membranes Using <i>de Novo</i> Assembly for Blue Energy Harvesting. Journal of the American Chemical Society, 2021, 143, 9415-9422.	6.6	82
139	Porous Metal-Organic Frameworks Based on an Anthracene Derivative: Syntheses, Structure Analysis, and Hydrogen Sorption Studies. Inorganic Chemistry, 2009, 48, 5263-5268.	1.9	81
140	Anchoring Triazole-Gold(I) Complex into Porous Organic Polymer To Boost the Stability and Reactivity of Gold(I) Catalyst. ACS Catalysis, 2017, 7, 1087-1092.	5.5	80
141	A bifunctional covalent organic framework as an efficient platform for cascade catalysis. Materials Chemistry Frontiers, 2017, 1, 1310-1316.	3.2	78
142	A pillared metalâ€“organic framework incorporated with 1,2,3-triazole moieties exhibiting remarkable enhancement of CO2 uptake. Chemical Communications, 2012, 48, 8898.	2.2	77
143	Ultrahigh and economical uranium extraction from seawater<i>via</i>interconnected open-pore architecture poly(amidoxime) fiber. Journal of Materials Chemistry A, 2020, 8, 22032-22044.	5.2	77
144	A new microporous carbon material synthesized via thermolysis of a porous aromatic framework embedded with an extra carbon source for low-pressure CO2 uptake. Chemical Communications, 2013, 49, 10269.	2.2	76

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145	Covalent Heme Framework as a Highly Active Heterogeneous Biomimetic Oxidation Catalyst. Chemistry of Materials, 2014, 26, 1639-1644.	3.2	76
146	Rb_jM_k[Fe(CN)₆]_l (M = Co, Ni) Prussian Blue Analogue Hollow Nanocubes: a New Example of a Multilevel Pore System. Chemistry of Materials, 2013, 25, 42-47.	3.2	74
147	Novel coordination polymers of Zn(<scp>ii</scp>) and Cd(<scp>ii</scp>) tuned by different aromatic polycarboxylates: synthesis, structures and photocatalytic properties. CrystEngComm, 2014, 16, 6408-6416.	1.3	74
148	Skeleton Engineering of Homocoupled Conjugated Microporous Polymers for Highly Efficient Uranium Capture via Synergistic Coordination. ACS Applied Materials & Interfaces, 2020, 12, 3688-3696.	4.0	74
149	A hierarchical porous ionic organic polymer as a new platform for heterogeneous phase transfer catalysis. Journal of Materials Chemistry A, 2015, 3, 23871-23875.	5.2	73
150	Remote Stabilization of Copper Paddlewheel Based Molecular Building Blocks in Metalâ€“Organic Frameworks. Chemistry of Materials, 2015, 27, 2144-2151.	3.2	72
151	Creation of a new type of ion exchange material for rapid, high-capacity, reversible and selective ion exchange without swelling and entrainment. Chemical Science, 2016, 7, 2138-2144.	3.7	72
152	Investigation of Gas Adsorption Performances and H2Affinities of Porous Metal-Organic Frameworks with Different Entatic Metal Centers. Inorganic Chemistry, 2009, 48, 5398-5402.	1.9	71
153	Covalent organic framework nanofluidic membrane as a platform for highly sensitive bionic thermosensation. Nature Communications, 2021, 12, 1844.	5.8	71
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