Hong-Cai Zhou

List of Publications by Year
in descending order

539	97,396	403	305
papers	citations	137 h-index	299 g-index

590	590	590	46970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selective gas adsorption and separation in metalâ€“organic frameworks. Chemical Society Reviews, 2009, 38, 1477.	18.7	7,603
2	Introduction to Metalâ€“Organic Frameworks. Chemical Reviews, 2012, 112, 673-674.	23.0	5,980
3	Metalâ€“Organic Frameworks for Separations. Chemical Reviews, 2012, 112, 869-932.	23.0	5,588
4	Metalâ€“Organic Frameworks (MOFs). Chemical Society Reviews, 2014, 43, 5415-5418.	18.7	2,973
5	Zr-based metalâ€“organic frameworks: design, synthesis, structure, and applications. Chemical Society Reviews, 2016, 45, 2327-2367.	18.7	1,905
6	Carbon dioxide capture-related gas adsorption and separation in metal-organic frameworks. Coordination Chemistry Reviews, 2011, 255, 1791-1823.	9.5	1,805
7	Tuning the structure and function of metalâ€“organic frameworks via linker design. Chemical Society Reviews, 2014, 43, 5561-5593.	18.7	1,792
8	Stable Metalâ€“Organic Frameworks: Design, Synthesis, and Applications. Advanced Materials, 2018, 30, e1704303.	11.1	1,740
9	Zirconiumâ€Metalloporphyrin PCNâ€222: Mesoporous Metalâ€“Organic Frameworks with Ultrahigh Stability as Biomimetic Catalysts. Angewandte Chemie - International Edition, 2012, 51, 10307-10310.	7.2	1,555
10	Potential applications of metal-organic frameworks. Coordination Chemistry Reviews, 2009, 253, 3042-3066.	9.5	1,422
11	Highly Stable Zr(IV)-Based Metalâ€“Organic Frameworks for the Detection and Removal of Antibiotics and Organic Explosives in Water. Journal of the American Chemical Society, 2016, 138, 6204-6216.	6.6	1,273
12	Gas storage in porous metalâ€“organic frameworks for clean energy applications. Chemical Communications, 2010, 46, 44-53.	2.2	1,210
13	Recent advances in gas storage and separation using metalâ€“organic frameworks. Materials Today, 2018, 21, 108-121.	8.3	1,167
14	Synthesis of Hexagonally Packed Mesoporous TiO2 by a Modified Solâ€“Gel Method. Angewandte Chemie International Edition in English, 1995, 34, 2014-2017.	4.4	1,062
15	Enzymeâ€“MOF (metalâ€“organic framework) composites. Chemical Society Reviews, 2017, 46, 3386-3401.	18.7	1,049
16	From fundamentals to applications: a toolbox for robust and multifunctional MOF materials. Chemical Society Reviews, 2018, 47, 8611-8638.	18.7	994
17	Luminescent sensors based on metal-organic frameworks. Coordination Chemistry Reviews, 2018, 354, 28-45.	9.5	987
18	Tuning the Topology and Functionality of Metalâ^'Organic Frameworks by Ligand Design. Accounts of Chemical Research, 2011, 44, 123-133.	7.6	956

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19	Construction of Ultrastable Porphyrin Zr Metalâ€“Organic Frameworks through Linker Elimination. Journal of the American Chemical Society, 2013, 135, 17105-17110.	6.6	880
20	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
21	Methane storage in advanced porous materials. Chemical Society Reviews, 2012, 41, 7761.	18.7	716
22	Hydrogen storage in metalâ€“organic frameworks. Journal of Materials Chemistry, 2007, 17, 3154.	6.7	690
23	Size-Controlled Synthesis of Porphyrinic Metalâ€“Organic Framework and Functionalization for Targeted Photodynamic Therapy. Journal of the American Chemical Society, 2016, 138, 3518-3525.	6.6	683
24	An Isoreticular Series of Metalâ€“Organic Frameworks with Dendritic Hexacarboxylate Ligands and Exceptionally High Gasâ€Uptake Capacity. Angewandte Chemie - International Edition, 2010, 49, 5357-5361.	7.2	677
25	An Exceptionally Stable, Porphyrinic Zr Metalâ€“Organic Framework Exhibiting pH-Dependent Fluorescence. Journal of the American Chemical Society, 2013, 135, 13934-13938.	6.6	646
26	Metalâ€“Organic Framework-Based Hierarchically Porous Materials: Synthesis and Applications. Chemical Reviews, 2021, 121, 12278-12326.	23.0	633
27	Framework-Catenation Isomerism in Metalâ˜'Organic Frameworks and Its Impact on Hydrogen Uptake. Journal of the American Chemical Society, 2007, 129, 1858-1859.	6.6	608
28	Ultrastable Polymolybdate-Based Metalâ€“Organic Frameworks as Highly Active Electrocatalysts for Hydrogen Generation from Water. Journal of the American Chemical Society, 2015, 137, 7169-7177.	6.6	584
29	Bridging-ligand-substitution strategy for the preparation of metalâ€“organic polyhedra. Nature Chemistry, 2010, 2, 893-898.	6.6	575
30	Preparation of Nanofibrous Metalâ€“Organic Framework Filters for Efficient Air Pollution Control. Journal of the American Chemical Society, 2016, 138, 5785-5788.	6.6	574
31	An Interweaving MOF with High Hydrogen Uptake. Journal of the American Chemical Society, 2006, 128, 3896-3897.	6.6	567
32	Stable metal-organic frameworks containing single-molecule traps for enzyme encapsulation. Nature Communications, 2015, 6, 5979.	5.8	540
33	Rigidifying Fluorescent Linkers by Metalâ€“Organic Framework Formation for Fluorescence Blue Shift and Quantum Yield Enhancement. Journal of the American Chemical Society, 2014, 136, 8269-8276.	6.6	531
34	Highly Stable Porous Polymer Networks with Exceptionally High Gasâ€Uptake Capacities. Advanced Materials, 2011, 23, 3723-3725.	11.1	528
35	Sulfonate-Grafted Porous Polymer Networks for Preferential CO₂ Adsorption at Low Pressure. Journal of the American Chemical Society, 2011, 133, 18126-18129.	6.6	522
36	Polyamineâ€Tethered Porous Polymer Networks for Carbon Dioxide Capture from Flue Gas. Angewandte Chemie - International Edition, 2012, 51, 7480-7484.	7.2	518

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37	Porous Polymer Networks: Synthesis, Porosity, and Applications in Gas Storage/Separation. Chemistry of Materials, 2010, 22, 5964-5972.	3.2	512
38	Porous materials with pre-designed single-molecule traps for CO2 selective adsorption. Nature Communications, 2013, 4, 1538.	5.8	508
39	Interpenetration control in metalâ€“organic frameworks for functional applications. Coordination Chemistry Reviews, 2013, 257, 2232-2249.	9.5	478
40	A Metalâ^'Organic Framework with Entatic Metal Centers Exhibiting High Gas Adsorption Affinity. Journal of the American Chemical Society, 2006, 128, 11734-11735.	6.6	477
41	Rationally Designed Micropores within a Metalâ^'Organic Framework for Selective Sorption of Gas Molecules. Inorganic Chemistry, 2007, 46, 1233-1236.	1.9	471
42	Reversible Alteration of CO₂ Adsorption upon Photochemical or Thermal Treatment in a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2012, 134, 99-102.	6.6	441
43	Synthesis of a Stable Hexagonally Packed Mesoporous Niobium Oxide Molecular Sieve Through a Novel Ligand-Assisted Templating Mechanism. Angewandte Chemie International Edition in English, 1996, 35, 426-430.	4.4	436
44	Effect of Imidazole Arrangements on Proton-Conductivity in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 6183-6189.	6.6	436
45	The current status of hydrogen storage in metalâ€“organic frameworksâ€”updated. Energy and Environmental Science, 2011, 4, 2721.	15.6	429
46	The current status of hydrogen storage in metalâ€“organic frameworks. Energy and Environmental Science, 2008, 1, 222.	15.6	411
47	Stable Metalâ€“Organic Frameworks with Group 4 Metals: Current Status and Trends. ACS Central Science, 2018, 4, 440-450.	5.3	382
48	Controlled Intercalation and Chemical Exfoliation of Layered Metalâ€“Organic Frameworks Using a Chemically Labile Intercalating Agent. Journal of the American Chemical Society, 2017, 139, 9136-9139.	6.6	369
49	Water-stable metal-organic frameworks for aqueous removal of heavy metals and radionuclides: A review. Chemosphere, 2018, 209, 783-800.	4.2	366
50	Metalâ€“Organic Frameworks for Food Safety. Chemical Reviews, 2019, 119, 10638-10690.	23.0	366
51	A Series of Highly Stable Mesoporous Metalloporphyrin Fe-MOFs. Journal of the American Chemical Society, 2014, 136, 13983-13986.	6.6	363
52	A Mesh-Adjustable Molecular Sieve for General Use in Gas Separation. Angewandte Chemie - International Edition, 2007, 46, 2458-2462.	7.2	358
53	A Highly Stable Porphyrinic Zirconium Metalâ€“Organic Framework with shp-a Topology. Journal of the American Chemical Society, 2014, 136, 17714-17717.	6.6	356
54	Topology-Guided Design and Syntheses of Highly Stable Mesoporous Porphyrinic Zirconium Metalâ€“Organic Frameworks with High Surface Area. Journal of the American Chemical Society, 2015, 137, 413-419.	6.6	352

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55	Pore Surface Engineering with Controlled Loadings of Functional Groups via Click Chemistry in Highly Stable Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2012, 134, 14690-14693.	6.6	351
56	Kinetically tuned dimensional augmentation as a versatile synthetic route towards robust metalâ€“organic frameworks. Nature Communications, 2014, 5, 5723.	5.8	332
57	Cooperative Template-Directed Assembly of Mesoporous Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2012, 134, 126-129.	6.6	330
58	Surface Functionalization of Porous Coordination Nanocages Via Click Chemistry and Their Application in Drug Delivery. Advanced Materials, 2011, 23, 90-93.	11.1	329
59	Construction of hierarchically porous metalâ€“organic frameworks through linker labilization. Nature Communications, 2017, 8, 15356.	5.8	326
60	Design and fabrication of mesoporous heterogeneous basic catalysts. Chemical Society Reviews, 2015, 44, 5092-5147.	18.7	323
61	Sequential Linker Installation: Precise Placement of Functional Groups in Multivariate Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2015, 137, 3177-3180.	6.6	323
62	Stabilization of Metalâ^'Organic Frameworks with High Surface Areas by the Incorporation of Mesocavities with Microwindows. Journal of the American Chemical Society, 2009, 131, 9186-9188.	6.6	316
63	A Mesoporous Metalâ^'Organic Framework with Permanent Porosity. Journal of the American Chemical Society, 2006, 128, 16474-16475.	6.6	314
64	Catalytic reactions within the cavity of coordination cages. Chemical Society Reviews, 2019, 48, 4707-4730.	18.7	313
65	Creating Hierarchical Pores by Controlled Linker Thermolysis in Multivariate Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 2363-2372.	6.6	310
66	Photochromic Metalâ€“Organic Frameworks: Reversible Control of Singlet Oxygen Generation. Angewandte Chemie - International Edition, 2015, 54, 430-435.	7.2	307
67	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
68	Controlled Hydrolysis of Metalâ€“Organic Frameworks: Hierarchical Ni/Co-Layered Double Hydroxide Microspheres for High-Performance Supercapacitors. ACS Nano, 2019, 13, 7024-7030.	7.3	305
69	Pyrazolate-Based Porphyrinic Metalâ€“Organic Framework with Extraordinary Base-Resistance. Journal of the American Chemical Society, 2016, 138, 914-919.	6.6	303
70	Interconversion between Molecular Polyhedra and Metalâ^'Organic Frameworks. Journal of the American Chemical Society, 2009, 131, 6368-6369.	6.6	302
71	Recent advances in carbon dioxide capture with metalâ€organic frameworks. , 2012, 2, 239-259.		301
72	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

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73	Destruction of Metalâ€“Organic Frameworks: Positive and Negative Aspects of Stability and Lability. Chemical Reviews, 2020, 120, 13087-13133.	23.0	294
74	Porous Organic Polymers for Postâ€Combustion Carbon Capture. Advanced Materials, 2017, 29, 1700229.	11.1	293
75	Boosting Interfacial Charge-Transfer Kinetics for Efficient Overall CO₂ Photoreduction via Rational Design of Coordination Spheres on Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 12515-12523.	6.6	289
76	Optimizing Multivariate Metalâ€“Organic Frameworks for Efficient C₂H₂/CO₂ Separation. Journal of the American Chemical Society, 2020, 142, 8728-8737.	6.6	289
77	Functional Mesoporous Metalâ^'Organic Frameworks for the Capture of Heavy Metal Ions and Size-Selective Catalysis. Inorganic Chemistry, 2010, 49, 11637-11642.	1.9	283
78	Ligand-Assisted Liquid Crystal Templating in Mesoporous Niobium Oxide Molecular Sieves. Inorganic Chemistry, 1996, 35, 3126-3136.	1.9	281
79	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
80	Linker Installation: Engineering Pore Environment with Precisely Placed Functionalities in Zirconium MOFs. Journal of the American Chemical Society, 2016, 138, 8912-8919.	6.6	278
81	Challenges and recent advances in MOFâ€“polymer composite membranes for gas separation. Inorganic Chemistry Frontiers, 2016, 3, 896-909.	3.0	278
82	Metalâ€“Organic Frameworks as Biomimetic Catalysts. ChemCatChem, 2014, 6, 67-75.	1.8	259
83	A Highly Stable Zeotype Mesoporous Zirconium Metalâ€“Organic Framework with Ultralarge Pores. Angewandte Chemie - International Edition, 2015, 54, 149-154.	7.2	258
84	Rollâ€toâ€Roll Production of Metalâ€Organic Framework Coatings for Particulate Matter Removal. Advanced Materials, 2017, 29, 1606221.	11.1	252
85	A Base-Resistant Metalloporphyrin Metalâ€“Organic Framework for Câ€“H Bond Halogenation. Journal of the American Chemical Society, 2017, 139, 211-217.	6.6	250
86	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
87	The Observation of Superparamagnetic Behavior in Molecular Nanowires. Journal of the American Chemical Society, 2004, 126, 8900-8901.	6.6	247
88	Stepwise Synthesis of Metalâ€“Organic Frameworks. Accounts of Chemical Research, 2017, 50, 857-865.	7.6	246
89	A versatile metalâ€“organic framework for carbon dioxide capture and cooperative catalysis. Chemical Communications, 2012, 48, 9995.	2.2	242
90	Multipoint Interactions Enhanced CO₂ Uptake: A Zeolite-like Zincâ€“Tetrazole Framework with 24-Nuclear Zinc Cages. Journal of the American Chemical Society, 2012, 134, 18892-18895.	6.6	240

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91	A single crystalline porphyrinic titanium metalâ€“organic framework. Chemical Science, 2015, 6, 3926-3930.	3.7	236
92	Thermodynamically Guided Synthesis of Mixed-Linker Zr-MOFs with Enhanced Tunability. Journal of the American Chemical Society, 2016, 138, 6636-6642.	6.6	232
93	A Triply Interpenetrated Microporous Metalâ^'Organic Framework for Selective Sorption of Gas Molecules. Inorganic Chemistry, 2007, 46, 8490-8492.	1.9	230
94	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
95	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
96	[(Tp)8(H2O)6CuII6FeIII8(CN)24]4+: A Cyanide-Bridged Face-Centered-Cubic Cluster with Single-Molecule-Magnet Behavior. Angewandte Chemie - International Edition, 2004, 43, 5940-5943.	7.2	219
97	Piezofluorochromic Metalâ€“Organic Framework: A Microscissor Lift. Journal of the American Chemical Society, 2015, 137, 10064-10067.	6.6	218
98	Enzymeâ€MOF Nanoreactor Activates Nontoxic Paracetamol for Cancer Therapy. Angewandte Chemie - International Edition, 2018, 57, 5725-5730.	7.2	217
99	Introduction of Functionalized Mesopores to Metalâ€“Organic Frameworks via Metalâ€“Ligandâ€“Fragment Coassembly. Journal of the American Chemical Society, 2012, 134, 20110-20116.	6.6	215
100	Stepwise Synthesis of Robust Metalâ€“Organic Frameworks via Postsynthetic Metathesis and Oxidation of Metal Nodes in a Single-Crystal to Single-Crystal Transformation. Journal of the American Chemical Society, 2014, 136, 7813-7816.	6.6	215
101	Switching in Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2020, 59, 4652-4669.	7.2	211
102	Reversible Switching from Antiferro- to Ferromagnetic Behavior by Solvent-Mediated, Thermally-Induced Phase Transitions in a Trimorphic MOF-Based Magnetic Sponge System. Journal of the American Chemical Society, 2013, 135, 4040-4050.	6.6	209
103	Increasing the Stability of Metal-Organic Frameworks. Advances in Chemistry, 2014, 2014, 1-8.	1.1	208
104	Coupling two enzymes into a tandem nanoreactor utilizing a hierarchically structured MOF. Chemical Science, 2016, 7, 6969-6973.	3.7	208
105	[Ti₈Zr₂O₁₂(COO)₁₆] Cluster: An Ideal Inorganic Building Unit for Photoactive Metalâ€“Organic Frameworks. ACS Central Science, 2018, 4, 105-111.	5.3	204
106	Azobenzeneâ€Functionalized Metalâ€“Organic Polyhedra for the Optically Responsive Capture and Release of Guest Molecules. Angewandte Chemie - International Edition, 2014, 53, 5842-5846.	7.2	203
107	Four New Cd(II) Coordination Polymers with Mixed Multidentate N-Donors and Biphenyl-Based Polycarboxylate Ligands: Syntheses, Structures, and Photoluminescent Properties. Crystal Growth and Design, 2013, 13, 377-385.	1.4	200
108	Metalâ€“Organic Frameworks Based on Previously Unknown Zr₈/Hf₈ Cubic Clusters. Inorganic Chemistry, 2013, 52, 12661-12667.	1.9	197

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109	Symmetryâ€Guided Synthesis of Highly Porous Metalâ€“Organic Frameworks with Fluorite Topology. Angewandte Chemie - International Edition, 2014, 53, 815-818.	7.2	197
110	Recent progress in the synthesis of metalâ€“organic frameworks. Science and Technology of Advanced Materials, 2015, 16, 054202.	2.8	196
111	The chemistry of multi-component and hierarchical framework compounds. Chemical Society Reviews, 2019, 48, 4823-4853.	18.7	196
112	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
113	Controllable Synthesis of Metal-Organic Frameworks and Their Hierarchical Assemblies. Matter, 2019, 1, 801-824.	5.0	187
114	Ligand Bridging-Angle-Driven Assembly of Molecular Architectures Based on Quadruply Bonded Moâ‹¯Mo Dimers. Journal of the American Chemical Society, 2010, 132, 17599-17610.	6.6	182
115	Flexible Zirconium Metalâ€Organic Frameworks as Bioinspired Switchable Catalysts. Angewandte Chemie - International Edition, 2016, 55, 10776-10780.	7.2	179
116	Temperature-dependent supramolecular stereoisomerism in porous copper coordination networks based on a designed carboxylate ligand. Chemical Communications, 2005, , 5447.	2.2	176
117	Ligand Rigidification for Enhancing the Stability of Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 10283-10293.	6.6	172
118	Cooperative Cluster Metalation and Ligand Migration in Zirconium Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2015, 54, 14696-14700.	7.2	169
119	Mixed-linker strategy for the construction of multifunctional metalâ€“organic frameworks. Journal of Materials Chemistry A, 2017, 5, 4280-4291.	5.2	163
120	An unusual case of symmetry-preserving isomerism. Chemical Communications, 2010, 46, 1329.	2.2	162
121	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
122	Hierarchically porous metalâ€“organic frameworks: synthetic strategies and applications. National Science Review, 2020, 7, 1743-1758.	4.6	161
123	Retrosynthesis of multi-component metalâ‹¯organic frameworks. Nature Communications, 2018, 9, 808.	5.8	159
124	Metalâ€“organic frameworks based on multicarboxylate linkers. Coordination Chemistry Reviews, 2021, 426, 213542.	9.5	158
125	Two-Dimensional Metalâ€“Organic Framework Nanosheets as an Enzyme Inhibitor: Modulation of the Î±-Chymotrypsin Activity. Journal of the American Chemical Society, 2017, 139, 8312-8319.	6.6	157
126	Exploiting the Kubas Interaction in the Design of Hydrogen Storage Materials. Advanced Materials, 2009, 21, 1787-1800.	11.1	153

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127	Carbon Dioxide Capture from Air Using Amine-Grafted Porous Polymer Networks. Journal of Physical Chemistry C, 2013, 117, 4057-4061.	1.5	153
128	Control the Structure of Zr-Tetracarboxylate Frameworks through Steric Tuning. Journal of the American Chemical Society, 2017, 139, 16939-16945.	6.6	153
129	Construction of Open Metalâ€“Organic Frameworks Based on Predesigned Carboxylate Isomers: From Achiral to Chiral Nets. Chemistry - A European Journal, 2006, 12, 3768-3776.	1.7	151
130	Lowâ€Energy Selective Capture of Carbon Dioxide by a Preâ€designed Elastic Singleâ€Molecule Trap. Angewandte Chemie - International Edition, 2012, 51, 9804-9808.	7.2	151
131	Controlled Generation of Singlet Oxygen in Living Cells with Tunable Ratios of the Photochromic Switch in Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2016, 55, 7188-7193.	7.2	151
132	Construction of Robust Open Metalâ^'Organic Frameworks with Chiral Channels and Permanent Porosity. Inorganic Chemistry, 2007, 46, 2725-2734.	1.9	149
133	Further Investigation of the Effect of Framework Catenation on Hydrogen Uptake in Metalâ^'Organic Frameworks. Journal of the American Chemical Society, 2008, 130, 15896-15902.	6.6	148
134	Creating Well-Defined Hexabenzocoronene in Zirconium Metalâ€“Organic Framework by Postsynthetic Annulation. Journal of the American Chemical Society, 2019, 141, 2054-2060.	6.6	148
135	Unprecedented Secondâ€Timescale Blue/Green Emissions and Iodineâ€Uptakeâ€Induced Singleâ€Crystalâ€toâ€Singleâ€Crystal Transformation in Zn^{II}/Cd^{II} Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2014, 20, 10093-10098.	1.7	147
136	3D Long-Range Triplet Migration in a Water-Stable Metalâ€“Organic Framework for Upconversion-Based Ultralow-Power in Vivo Imaging. Journal of the American Chemical Society, 2018, 140, 5493-5499.	6.6	144
137	Metalâ€“Organic Framework Containing Planar Metal-Binding Sites: Efficiently and Cost-Effectively Enhancing the Kinetic Separation of C₂H₂/C₂H₄. Journal of the American Chemical Society, 2019, 141, 3807-3811.	6.6	144
138	Metalâ€Triazolateâ€Frameworkâ€Derived FeN₄Cl₁ Singleâ€Atom Catalysts with Hierarchical Porosity for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 27324-27329.	7.2	142
139	Isomerism in Metalâ€“Organic Frameworks: â€œFramework Isomersâ€• Journal of Physical Chemistry Letters, 2011, 2, 1682-1689.	2.1	140
140	A NbO-type metalâ€“organic framework derived from a polyyne-coupled di-isophthalate linker formed in situ. Chemical Communications, 2010, 46, 4196.	2.2	139
141	A Porphyrinic Zirconium Metalâ€“Organic Framework for Oxygen Reduction Reaction: Tailoring the Spacing between Active-Sites through Chain-Based Inorganic Building Units. Journal of the American Chemical Society, 2020, 142, 15386-15395.	6.6	139
142	Ultramicroporous Metalâ^'Organic Framework Based on 9,10-Anthracenedicarboxylate for Selective Gas Adsorption. Inorganic Chemistry, 2007, 46, 8499-8501.	1.9	138
143	Stable metalâ€“organic frameworks as a host platform for catalysis and biomimetics. Chemical Communications, 2018, 54, 4231-4249.	2.2	137
144	Highly Potent Bactericidal Activity of Porous Metalâ€Organic Frameworks. Advanced Healthcare Materials, 2012, 1, 225-238.	3.9	136

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145	Poreâ€Environment Engineering with Multiple Metal Sites in Rareâ€Earth Porphyrinic Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2018, 57, 5095-5099.	7.2	136
146	Building multiple adsorption sites in porous polymer networks for carbon capture applications. Energy and Environmental Science, 2013, 6, 3559.	15.6	130
147	Hierarchy in Metalâ€“Organic Frameworks. ACS Central Science, 2020, 6, 359-367.	5.3	130
148	Confinement of Metalâ€“Organic Polyhedra in Silica Nanopores. Journal of the American Chemical Society, 2012, 134, 15923-15928.	6.6	128
149	Biomimicry in metalâ€“organic materials. Coordination Chemistry Reviews, 2015, 293-294, 327-356.	9.5	128
150	Multielectron transportation of polyoxometalate-grafted metalloporphyrin coordination frameworks for selective CO2-to-CH4 photoconversion. National Science Review, 2020, 7, 53-63.	4.6	127
151	Stable Bimetallic Polyphthalocyanine Covalent Organic Frameworks as Superior Electrocatalysts. Journal of the American Chemical Society, 2021, 143, 18052-18060.	6.6	127
152	3D Porous Metalâ^'Organic Framework Exhibiting Selective Adsorption of Water over Organic Solvents. Inorganic Chemistry, 2007, 46, 5835-5837.	1.9	125
153	Oneâ€Step Synthesis of Hybrid Coreâ€“Shell Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2018, 57, 3927-3932.	7.2	125
154	Topology Exploration in Highly Connected Rare-Earth Metalâ€“Organic Frameworks via Continuous Hindrance Control. Journal of the American Chemical Society, 2019, 141, 6967-6975.	6.6	125
155	Atomically Dispersed Ironâ€“Nitrogen Sites on Hierarchically Mesoporous Carbon Nanotube and Graphene Nanoribbon Networks for CO₂ Reduction. ACS Nano, 2020, 14, 5506-5516.	7.3	125
156	Tailor-Made Pyrazolide-Based Metalâ€“Organic Frameworks for Selective Catalysis. Journal of the American Chemical Society, 2018, 140, 6383-6390.	6.6	124
157	High efficiency and long-term intracellular activity of an enzymatic nanofactory based on metal-organic frameworks. Nature Communications, 2017, 8, 2075.	5.8	123
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