OmarÂ M Yaghi

List of Publications by Year
in descending order

326	197,278	68	173	133	332
papers	citations		h-index		g-index

380	380	380	55408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single Crystals Heterogeneity Impacts the Intrinsic and Extrinsic Properties of Metalâ€“Organic Frameworks. Advanced Materials, 2022, 34, e2104530.	11.1	13
2	Carbon Dioxide Capture Chemistry of Amino Acid Functionalized Metalâ€“Organic Frameworks in Humid Flue Gas. Journal of the American Chemical Society, 2022, 144, 2387-2396.	6.6	122
3	Entanglement of Square Nets in Covalent Organic Frameworks. Journal of the American Chemical Society, 2022, 144, 1539-1544.	6.6	26
4	Large Cages of Zeolitic Imidazolate Frameworks. Accounts of Chemical Research, 2022, 55, 707-721.	7.6	71
5	Visualizing Pore Packing and Topology in MOFs. Journal of Chemical Education, 2022, 99, 1998-2004.	1.1	11
6	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	11.1	82
7	Evolution of MOF single crystals. CheM, 2022, 8, 1541-1543.	5.8	12
8	Hydrazine-Hydrazide-Linked Covalent Organic Frameworks for Water Harvesting. ACS Central Science, 2022, 8, 926-932.	5.3	59
9	Ionic Conduction Mechanism and Design of Metalâ€“Organic Framework Based Quasi-Solid-State Electrolytes. Journal of the American Chemical Society, 2022, 144, 13446-13450.	6.6	33
10	Covalent Organic Frameworks for Carbon Dioxide Capture from Air. Journal of the American Chemical Society, 2022, 144, 12989-12995.	6.6	118
11	Docking of Cu^I and Ag^I in Metalâ€“Organic Frameworks for Adsorption and Separation of Xenon. Angewandte Chemie, 2021, 133, 3459-3463.	1.6	12
12	Docking of Cu^I and Ag^I in Metalâ€“Organic Frameworks for Adsorption and Separation of Xenon. Angewandte Chemie - International Edition, 2021, 60, 3417-3421.	7.2	98
13	â€˜Eyeâ€™ of the moleculeâ€”a viewpoint. Faraday Discussions, 2021, 231, 145-149.	1.6	1
14	InnenrÃ¼cktitelbild: Docking of Cu^I and Ag^I in Metalâ€“Organic Frameworks for Adsorption and Separation of Xenon (Angew. Chem. 7/2021). Angewandte Chemie, 2021, 133, 3867-3867.	1.6	0
15	Envisioning the â€œAir Economyâ€•â€ Powered by Reticular Chemistry and Sunlight for Clean Air, Clean Energy, and Clean Water. Molecular Frontiers Journal, 2021, 05, 30-37.	0.9	5
16	From Molecules to Frameworks to Superframework Crystals. Advanced Materials, 2021, 33, e2103808.	11.1	26
17	Evolution of water structures in metal-organic frameworks for improved atmospheric water harvesting. Science, 2021, 374, 454-459.	6.0	281
18	EDITORIAL: Hydration for Clean Air Today. Molecular Frontiers Journal, 2021, 05, 1-4.	0.9	5

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19	Amidation, Esterification, and Thioesterification of a Carboxylâ€Functionalized Covalent Organic Framework. Angewandte Chemie, 2020, 132, 2039-2043.	1.6	22
20	Precise Control of Molecular Selfâ€Diffusion in Isoreticular and Multivariate Metalâ€Organic Frameworks. ChemPhysChem, 2020, 21, 32-35.	1.0	29
21	Amidation, Esterification, and Thioesterification of a Carboxylâ€Functionalized Covalent Organic Framework. Angewandte Chemie - International Edition, 2020, 59, 2023-2027.	7.2	66
22	Architectural Stabilization of a Gold(III) Catalyst in Metal-Organic Frameworks. CheM, 2020, 6, 142-152.	5.8	39
23	Digital Reticular Chemistry. CheM, 2020, 6, 2219-2241.	5.8	96
24	Design of higher valency in covalent organic frameworks. Science, 2020, 370, .	6.0	189
25	Metalâ€“Organic Frameworks for Water Harvesting from Air, Anywhere, Anytime. ACS Central Science, 2020, 6, 1348-1354.	5.3	248
26	The Reticular Chemist. Nano Letters, 2020, 20, 8432-8434.	4.5	28
27	3D Covalent Organic Frameworks Selectively Crystallized through Conformational Design. Journal of the American Chemical Society, 2020, 142, 20335-20339.	6.6	97
28	Sequencing of metals in multivariate metal-organic frameworks. Science, 2020, 369, 674-680.	6.0	165
29	Ester-Linked Crystalline Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 14450-14454.	6.6	80
30	Anisotropic reticular chemistry. Nature Reviews Materials, 2020, 5, 764-779.	23.3	149
31	MOF water harvesters. Nature Nanotechnology, 2020, 15, 348-355.	15.6	400
32	Pore Chemistry of Metalâ€“Organic Frameworks. Advanced Functional Materials, 2020, 30, 2000238.	7.8	245
33	Individually Encapsulated Frame-in-Frame Structure. , 2020, 2, 685-690.		10
34	Standard Practices of Reticular Chemistry. ACS Central Science, 2020, 6, 1255-1273.	5.3	142
35	A Porous Covalent Organic Framework with Voided Square Grid Topology for Atmospheric Water Harvesting. Journal of the American Chemical Society, 2020, 142, 2218-2221.	6.6	183
36	Reticulating 1D Ribbons into 2D Covalent Organic Frameworks by Imine and Imide Linkages. Journal of the American Chemical Society, 2020, 142, 2771-2776.	6.6	118

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37	Reticular Chemistry and Harvesting Water from Desert Air. , 2020, 1, .		4
38	Reticular Chemistry in All Dimensions. ACS Central Science, 2019, 5, 1295-1300.	5.3	166
39	Reticular Synthesis of Multinary Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 11420-11424.	6.6	126
40	Three-Dimensional Phthalocyanine Metal-Catecholates for High Electrochemical Carbon Dioxide Reduction. Journal of the American Chemical Society, 2019, 141, 17081-17085.	6.6	165
41	A Metalâ€“Organic Framework of Organic Vertices and Polyoxometalate Linkers as a Solid-State Electrolyte. Journal of the American Chemical Society, 2019, 141, 17522-17526.	6.6	216
42	Coordinative Alignment in the Pores of MOFs for the Structural Determination of N-, S-, and P-Containing Organic Compounds Including Complex Chiral Molecules. Journal of the American Chemical Society, 2019, 141, 18862-18869.	6.6	49
43	Rapid Cycling and Exceptional Yield in a Metal-Organic Framework Water Harvester. ACS Central Science, 2019, 5, 1699-1706.	5.3	340
44	Parallel Worlds Meet at Designed Interfaces with a Vast Number of Potential Frameworks. Biochemistry, 2019, 58, 3823-3824.	1.2	0
45	Multistep Solid-State Organic Synthesis of Carbamate-Linked Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 11253-11258.	6.6	92
46	Isotherms of individual pores by gas adsorption crystallography. Nature Chemistry, 2019, 11, 562-570.	6.6	88
47	Porous Crystalline Olefin-Linked Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 6848-6852.	6.6	333
48	Reticular Chemistry: Molecular Precision in Infinite 2D and 3D. Molecular Frontiers Journal, 2019, 03, 66-83.	0.9	46
49	Carbon capture and conversion using metalâ€“organic frameworks and MOF-based materials. Chemical Society Reviews, 2019, 48, 2783-2828.	18.7	1,685
50	Highly Active and Stable Single-Atom Cu Catalysts Supported by a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 5201-5210.	6.6	361
51	Covalent Organic Frameworks: Organic Chemistry Extended into Two and Three Dimensions. Trends in Chemistry, 2019, 1, 172-184.	4.4	232
52	Local Electronic Structure of Molecular Heterojunctions in a Singleâ€Layer 2D Covalent Organic Framework. Advanced Materials, 2019, 31, e1805941.	11.1	74
53	Identification of the strong BrÃ¸nsted acid site in a metalâ€“organic framework solid acid catalyst. Nature Chemistry, 2019, 11, 170-176.	6.6	198
54	Building a Global Culture of Scienceâ€”The Vietnam Experience. Angewandte Chemie - International Edition, 2019, 58, 1552-1560.	7.2	5

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55	3D Covalent Organic Frameworks of Interlocking 1D Square Ribbons. Journal of the American Chemical Society, 2019, 141, 677-683.	6.6	94
56	Aufbau einer globalen Wissenschaftskultur â€“ die Vietnamâ€Erfahrung. Angewandte Chemie, 2019, 131, 1566-1575.	1.6	2
57	The role of reticular chemistry in the design of CO2 reduction catalysts. Nature Materials, 2018, 17, 301-307.	13.3	552
58	Chemical diversity in a metalâ€“organic framework revealed by fluorescence lifetime imaging. Nature Communications, 2018, 9, 1647.	5.8	112
59	Reticular Electronic Tuning of Porphyrin Active Sites in Covalent Organic Frameworks for Electrocatalytic Carbon Dioxide Reduction. Journal of the American Chemical Society, 2018, 140, 1116-1122.	6.6	457
60	The geometry of periodic knots, polycatenanes and weaving from a chemical perspective: a library for reticular chemistry. Chemical Society Reviews, 2018, 47, 4642-4664.	18.7	126
61	Adsorption-based atmospheric water harvesting device for arid climates. Nature Communications, 2018, 9, 1191.	5.8	401
62	Urea-Linked Covalent Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 16438-16441.	6.6	140
63	Bioinspired Metalâ€“Organic Framework Catalysts for Selective Methane Oxidation to Methanol. Journal of the American Chemical Society, 2018, 140, 18208-18216.	6.6	301
64	Metalâ€“Organic Frameworks for Water Harvesting from Air. Advanced Materials, 2018, 30, e1704304.	11.1	500
65	Crystalline Dioxin-Linked Covalent Organic Frameworks from Irreversible Reactions. Journal of the American Chemical Society, 2018, 140, 12715-12719.	6.6	289
66	Molecular Weaving of Covalent Organic Frameworks for Adaptive Guest Inclusion. Journal of the American Chemical Society, 2018, 140, 16015-16019.	6.6	107
67	Cytoprotective metal-organic frameworks for anaerobic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10582-10587.	3.3	145
68	Secondary building units as the turning point in the development of the reticular chemistry of MOFs. Science Advances, 2018, 4, eaat9180.	4.7	533
69	Linking Molybdenumâ€“Sulfur Clusters for Electrocatalytic Hydrogen Evolution. Journal of the American Chemical Society, 2018, 140, 13618-13622.	6.6	78
70	Conceptual Advances from Werner Complexes to Metalâ€“Organic Frameworks. ACS Central Science, 2018, 4, 1457-1464.	5.3	101
71	Metal coordination as a template strategy to make resilient woven materials. Bulletin of Japan Society of Coordination Chemistry, 2018, 71, 12-17.	0.1	3
72	Single-crystal x-ray diffraction structures of covalent organic frameworks. Science, 2018, 361, 48-52.	6.0	868

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73	Impact of Disordered Guestâ€“Framework Interactions on the Crystallography of Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 8958-8964.	6.6	54
74	Conversion of Imine to Oxazole and Thiazole Linkages in Covalent Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 9099-9103.	6.6	243
75	Facilitating Laboratory Research Experience Using Reticular Chemistry. Journal of Chemical Education, 2018, 95, 1512-1519.	1.1	38
76	Practical water production from desert air. Science Advances, 2018, 4, eaat3198.	4.7	406
77	Tuning the Interplay between Selectivity and Permeability of ZIF-7 Mixed Matrix Membranes. ACS Applied Materials & Interfaces, 2017, 9, 33401-33407.	4.0	74
78	The atom, the molecule, and the covalent organic framework. Science, 2017, 355, .	6.0	2,037
79	Principles of Designing Extra-Large Pore Openings and Cages in Zeolitic Imidazolate Frameworks. Journal of the American Chemical Society, 2017, 139, 6448-6455.	6.6	197
80	Water harvesting from air with metal-organic frameworks powered by natural sunlight. Science, 2017, 356, 430-434.	6.0	1,179
81	The â€˜folkloreâ€™ and reality of reticular chemistry. Materials Chemistry Frontiers, 2017, 1, 1304-1309.	3.2	47
82	Calcium <scp>l</scp>-Lactate Frameworks as Naturally Degradable Carriers for Pesticides. Journal of the American Chemical Society, 2017, 139, 8118-8121.	6.6	119
83	Multivariate metal-organic frameworks. National Science Review, 2017, 4, 296-298.	4.6	148
84	Molecular Retrofitting Adapts a Metalâ€“Organic Framework to Extreme Pressure. ACS Central Science, 2017, 3, 662-667.	5.3	79
85	Sequence-Dependent Materials. Accounts of Chemical Research, 2017, 50, 532-534.	7.6	59
86	A Synthetic Route for Crystals of Woven Structures, Uniform Nanocrystals, and Thin Films of Imine Covalent Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 13166-13172.	6.6	193
87	Hydroisomerization of n-Hexane Using Acidified Metalâ€“Organic Framework and Platinum Nanoparticles. Journal of the American Chemical Society, 2017, 139, 12382-12385.	6.6	73
88	MOFs modeling and theory: general discussion. Faraday Discussions, 2017, 201, 233-245.	1.6	4
89	Spiers Memorial Lecture: : Progress and prospects of reticular chemistry. Faraday Discussions, 2017, 201, 9-45.	1.6	85
90	Electronic, magnetic and photophysical properties of MOFs and COFs: general discussion. Faraday Discussions, 2017, 201, 87-99.	1.6	9

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91	New directions in gas sorption and separation with MOFs: general discussion. Faraday Discussions, 2017, 201, 175-194.	1.6	6
92	Catalysis in MOFs: general discussion. Faraday Discussions, 2017, 201, 369-394.	1.6	14
93	The chemistry of metalâ€“organic frameworks for CO2 capture, regeneration and conversion. Nature Reviews Materials, 2017, 2, .	23.3	1,075
94	The Chemistry of CO₂ Capture in an Amine-Functionalized Metalâ€“Organic Framework under Dry and Humid Conditions. Journal of the American Chemical Society, 2017, 139, 12125-12128.	6.6	371
95	Response to Comment on â€œWater harvesting from air with metal-organic frameworks powered by natural sunlightâ€. Science, 2017, 358, .	6.0	5
96	Response to Comment on â€œWater harvesting from air with metal-organic frameworks powered by natural sunlightâ€. Science, 2017, 358, .	6.0	16
97	Crystal structures as periodic graphs: the topological genome and graph databases. Structural Chemistry, 2017, 28, 39-44.	1.0	22
98	Plasmon-Enhanced Photocatalytic CO₂ Conversion within Metalâ€“Organic Frameworks under Visible Light. Journal of the American Chemical Society, 2017, 139, 356-362.	6.6	511
99	Covalent Organic Frameworksâ€”Organic Chemistry Beyond the Molecule. Molecules, 2017, 22, 1575.	1.7	31
100	Reticular Chemistryâ€”Construction, Properties, and Precision Reactions of Frameworks. Journal of the American Chemical Society, 2016, 138, 15507-15509.	6.6	265
101	The role of metalâ€“organic frameworks in a carbon-neutral energy cycle. Nature Energy, 2016, 1, .	19.8	374
102	Two Principles of Reticular Chemistry Uncovered in a Metalâ€“Organic Framework of Heterotritopic Linkers and Infinite Secondary Building Units. Journal of the American Chemical Society, 2016, 138, 10826-10829.	6.6	68
103	Nanoporous Transparent MOF Glasses with Accessible Internal Surface. Journal of the American Chemical Society, 2016, 138, 10818-10821.	6.6	83
104	Coordinative alignment of molecules in chiral metal-organic frameworks. Science, 2016, 353, 808-811.	6.0	262
105	Structures of Metalâ€“Organic Frameworks with Rod Secondary Building Units. Chemical Reviews, 2016, 116, 12466-12535.	23.0	732
106	High Methane Storage Working Capacity in Metalâ€“Organic Frameworks with Acrylate Links. Journal of the American Chemical Society, 2016, 138, 10244-10251.	6.6	253
107	Chemical Conversion of Linkages in Covalent Organic Frameworks. Journal of the American Chemical Society, 2016, 138, 15519-15522.	6.6	373
108	Characterization of Adsorption Enthalpy of Novel Water-Stable Zeolites and Metal-Organic Frameworks. Scientific Reports, 2016, 6, 19097.	1.6	59

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109	Copper Nanocrystals Encapsulated in Zr-based Metalâ€“Organic Frameworks for Highly Selective CO₂ Hydrogenation to Methanol. Nano Letters, 2016, 16, 7645-7649.	4.5	370
110	Synthesis of a Water-soluble Metal–Organic Complex Array. Journal of Visualized Experiments, 2016, , .	0.2	1
111	Seven Post-synthetic Covalent Reactions in Tandem Leading to Enzyme-like Complexity within Metalâ€“Organic Framework Crystals. Journal of the American Chemical Society, 2016, 138, 8352-8355.	6.6	186
112	Weaving of organic threads into a crystalline covalent organic framework. Science, 2016, 351, 365-369.	6.0	427
113	A Titaniumâ€“Organic Framework as an Exemplar of Combining the Chemistry of Metalâ€“ and Covalentâ€“Organic Frameworks. Journal of the American Chemical Society, 2016, 138, 4330-4333.	6.6	260
114	Covalent Chemistry beyond Molecules. Journal of the American Chemical Society, 2016, 138, 3255-3265.	6.6	328
115	Cooperative effects at the interface of nanocrystalline metalâ€“organic frameworks. Nano Research, 2016, 9, 47-58.	5.8	57
116	A water-soluble metalâ€“organic complex array as a multinuclear heterometallic peptide amphiphile that shows unconventional anion dependency in its self-assembly. Chemical Communications, 2016, 52, 1579-1581.	2.2	11
117	Definitive Molecular Level Characterization of Defects in UiOâ€66 Crystals. Angewandte Chemie - International Edition, 2015, 54, 11162-11167.	7.2	376
118	Chemical Environment Control and Enhanced Catalytic Performance of Platinum Nanoparticles Embedded in Nanocrystalline Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2015, 137, 7810-7816.	6.6	278
119	Introduction of Functionality, Selection of Topology, and Enhancement of Gas Adsorption in Multivariate Metalâ€“Organic Framework-177. Journal of the American Chemical Society, 2015, 137, 2641-2650.	6.6	339
120	Mesoscopic Constructs of Ordered and Oriented Metalâ€“Organic Frameworks on Plasmonic Silver Nanocrystals. Journal of the American Chemical Society, 2015, 137, 2199-2202.	6.6	141
121	â€œHeterogeneity within Orderâ€•in Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2015, 54, 3417-3430.	7.2	465
122	Modular Synthesis of Metalâ€“Organic Complex Arrays Containing Precisely Designed Metal Sequences. Inorganic Chemistry, 2015, 54, 1197-1199.	1.9	16
123	BrÃ¸nsted Acidity in Metalâ€“Organic Frameworks. Chemical Reviews, 2015, 115, 6966-6997.	23.0	477
124	Heterogeneity of functional groups in a metalâ€“organic framework displays magic number ratios. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5591-5596.	3.3	36
125	The Development of Global Science. ACS Central Science, 2015, 1, 18-23.	5.3	9
126	<scp>l</scp>-Aspartate links for stable sodium metalâ€“organic frameworks. Chemical Communications, 2015, 51, 17463-17466.	2.2	28

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127	Metalâ€“Organic Frameworks for Electrocatalytic Reduction of Carbon Dioxide. Journal of the American Chemical Society, 2015, 137, 14129-14135.	6.6	966
128	Covalent organic frameworks comprising cobalt porphyrins for catalytic CO ₂ reduction in water. Science, 2015, 349, 1208-1213.	6.0	2,046
129	Three-Dimensional Metal-Catecholate Frameworks and Their Ultrahigh Proton Conductivity. Journal of the American Chemical Society, 2015, 137, 15394-15397.	6.6	274
130	Chemistry of Covalent Organic Frameworks. Accounts of Chemical Research, 2015, 48, 3053-3063.	7.6	1,333
131	Extra adsorption and adsorbate superlattice formation in metal-organic frameworks. Nature, 2015, 527, 503-507.	13.7	212
132	Structure-Based Design of Functional Amyloid Materials. Journal of the American Chemical Society, 2014, 136, 18044-18051.	6.6	102
133	Synthesis and Characterization of the Platinum-Substituted Keggin Anion Î±-H₂SiPtW₁₁O₄₀^{4â€“}. Inorganic Chemistry, 2014, 53, 13239-13246.	1.9	18
134	RÃ¼cktitelbild: Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabazite-Type Zeolitic Imidazolate Frameworks (Angew. Chem. 40/2014). Angewandte Chemie, 2014, 126, 11004-11004.	1.6	0
135	Water Adsorption in Porous Metalâ€“Organic Frameworks and Related Materials. Journal of the American Chemical Society, 2014, 136, 4369-4381.	6.6	2,002
136	Recent progress in scanning electron microscopy for the characterization of fine structural details of nano materials. Progress in Solid State Chemistry, 2014, 42, 1-21.	3.9	66
137	High Methane Storage Capacity in Aluminum Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2014, 136, 5271-5274.	6.6	410
138	Topological Analysis of Metalâ€“Organic Frameworks with Polytopic Linkers and/or Multiple Building Units and the Minimal Transitivity Principle. Chemical Reviews, 2014, 114, 1343-1370.	23.0	1,010
139	Designed amyloid fibers as materials for selective carbon dioxide capture. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 191-196.	3.3	93
140	Tunable electrical conductivity in oriented thin films of tetrathiafulvalene-based covalent organic framework. Chemical Science, 2014, 5, 4693-4700.	3.7	295
141	Metal Nanocrystals Embedded in Single Nanocrystals of MOFs Give Unusual Selectivity as Heterogeneous Catalysts. Nano Letters, 2014, 14, 5979-5983.	4.5	235
142	Superacidity in Sulfated Metalâ€“Organic Framework-808. Journal of the American Chemical Society, 2014, 136, 12844-12847.	6.6	457
143	Synthesis and hydrogen adsorption properties of internally polarized 2,6-azulenedicarboxylate based metalâ€“organic frameworks. Journal of Materials Chemistry A, 2014, 2, 18823-18830.	5.2	29
144	Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabaziteâ€Type Zeolitic Imidazolate Frameworks. Angewandte Chemie - International Edition, 2014, 53, 10645-10648.	7.2	225

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145	Supercapacitors of Nanocrystalline Metalâ€“Organic Frameworks. ACS Nano, 2014, 8, 7451-7457.	7.3	660
146	Synthesis and Characterization of Metalâ€“Organic Framework-74 Containing 2, 4, 6, 8, and 10 Different Metals. Inorganic Chemistry, 2014, 53, 5881-5883.	1.9	397
147	Metalâ€“Organic Frameworks with Precisely Designed Interior for Carbon Dioxide Capture in the Presence of Water. Journal of the American Chemical Society, 2014, 136, 8863-8866.	6.6	369
148	A two-dimensional zeolitic imidazolate framework with a cushion-shaped cavity for CO2 adsorption. Chemical Communications, 2013, 49, 9500.	2.2	514
149	Mapping of Functional Groups in Metal-Organic Frameworks. Science, 2013, 341, 882-885.	6.0	411
150	Thermal maps of gases in heterogeneous reactions. Nature, 2013, 502, 537-540.	13.7	52
151	Dielectrophoresis-Assembled Zeolitic Imidazolate Framework Nanoparticle-Coupled Resonators for Highly Sensitive and Selective Gas Detection. Nano Letters, 2013, 13, 5271-5276.	4.5	72
152	The Chemistry and Applications of Metal-Organic Frameworks. Science, 2013, 341, 1230444.	6.0	12,032
153	Crystalline Fibers of Metalâ€“Peptide Double Ladders. Inorganic Chemistry, 2013, 52, 13818-13820.	1.9	10
154	Single-Crystal Structure of a Covalent Organic Framework. Journal of the American Chemical Society, 2013, 135, 16336-16339.	6.6	392
155	A Combined Experimentalâ€“Computational Investigation of Methane Adsorption and Selectivity in a Series of Isoreticular Zeolitic Imidazolate Frameworks. Journal of Physical Chemistry C, 2013, 117, 10326-10335.	1.5	83
156	Photophysical pore control in an azobenzene-containing metalâ€“organic framework. Chemical Science, 2013, 4, 2858.	3.7	239
157	Zeolitic imidazolate framework-coupled resonators for enhanced gas detection. Journal of Micromechanics and Microengineering, 2013, 23, 125027.	1.5	18
158	NMR and X-ray Study Revealing the Rigidity of Zeolitic Imidazolate Frameworks. Journal of Physical Chemistry C, 2012, 116, 13307-13312.	1.5	150
159	Synthesis, Structure, and Metalation of Two New Highly Porous Zirconium Metalâ€“Organic Frameworks. Inorganic Chemistry, 2012, 51, 6443-6445.	1.9	763
160	A Covalent Organic Framework that Exceeds the DOE 2015 Volumetric Target for H₂ Uptake at 298 K. Journal of Physical Chemistry Letters, 2012, 3, 2671-2675.	2.1	95
161	A Combined Experimental-Computational Study on the Effect of Topology on Carbon Dioxide Adsorption in Zeolitic Imidazolate Frameworks. Journal of Physical Chemistry C, 2012, 116, 24084-24090.	1.5	112
162	New Porous Crystals of Extended Metal-Catecholates. Chemistry of Materials, 2012, 24, 3511-3513.	3.2	618

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163	Introduction to Metalâ€“Organic Frameworks. Chemical Reviews, 2012, 112, 673-674.	23.0	5,980
164	Deconstructing the Crystal Structures of Metalâ€“Organic Frameworks and Related Materials into Their Underlying Nets. Chemical Reviews, 2012, 112, 675-702.	23.0	1,942
165	Large-Pore Apertures in a Series of Metal-Organic Frameworks. Science, 2012, 336, 1018-1023.	6.0	1,729
166	Reversible Interpenetration in a Metalâ€“Organic Framework Triggered by Ligand Removal and Addition. Angewandte Chemie - International Edition, 2012, 51, 8791-8795.	7.2	129
167	Porous, Conductive Metalâ€Triazolates and Their Structural Elucidation by the Chargeâ€Flipping Method. Chemistry - A European Journal, 2012, 18, 10595-10601.	1.7	227
168	Hydrogen Storage in New Metalâ€“Organic Frameworks. Journal of Physical Chemistry C, 2012, 116, 13143-13151.	1.5	174
169	Isomers of Metalâ€“Organic Complex Arrays. Inorganic Chemistry, 2012, 51, 6437-6439.	1.9	23
170	Metalâ€“Organic Frameworks Incorporating Copperâ€Complexed Rotaxanes. Angewandte Chemie - International Edition, 2012, 51, 2160-2163.	7.2	105
171	Metalâ€“Organic Frameworks of Vanadium as Catalysts for Conversion of Methane to Acetic Acid. Inorganic Chemistry, 2011, 50, 7388-7390.	1.9	144
172	Site-Specific CO₂ Adsorption and Zero Thermal Expansion in an Anisotropic Pore Network. Journal of Physical Chemistry C, 2011, 115, 24915-24919.	1.5	141
173	Incorporation of active metal sites in MOFs via in situ generated ligand deficient metalâ€“linker complexes. Chemical Communications, 2011, 47, 11882.	2.2	35
174	Crystalline Covalent Organic Frameworks with Hydrazone Linkages. Journal of the American Chemical Society, 2011, 133, 11478-11481.	6.6	731
175	Isoreticular Expansion of Metalâ€“Organic Frameworks with Triangular and Square Building Units and the Lowest Calculated Density for Porous Crystals. Inorganic Chemistry, 2011, 50, 9147-9152.	1.9	322
176	Heterogeneity within Order in Crystals of a Porous Metalâ€“Organic Framework. Journal of the American Chemical Society, 2011, 133, 11920-11923.	6.6	227
177	Synthesis of Metalâ”Organic Complex Arrays. Journal of the American Chemical Society, 2011, 133, 759-761.	6.6	60
178	Postsynthetic Modification of a Metalâ€“Organic Framework for Stabilization of a Hemiaminal and Ammonia Uptake. Inorganic Chemistry, 2011, 50, 6853-6855.	1.9	194
179	A Multiunit Catalyst with Synergistic Stability and Reactivity: A Polyoxometalateâ€“Metal Organic Framework for Aerobic Decontamination. Journal of the American Chemical Society, 2011, 133, 16839-16846.	6.6	475
180	Covalent Organic Frameworks with High Charge Carrier Mobility. Chemistry of Materials, 2011, 23, 4094-4097.	3.2	659

#	Article	IF	Citations
181	Framework mobility in the metalâ€“organic framework crystal IRMOF-3: Evidence for aromatic ring and amine rotation. Journal of Molecular Structure, 2011, 1004, 94-101.	1.8	68
182	Strong and Reversible Binding of Carbon Dioxide in a Green Metalâ€“Organic Framework. Journal of the American Chemical Society, 2011, 133, 15312-15315.	6.6	346
183	Asymmetric catalytic reactions by NbO-type chiral metalâ€“organic frameworks. Chemical Science, 2011, 2, 877.	3.7	199
184	MOF-74 building unit has a direct impact on toxic gas adsorption. Chemical Engineering Science, 2011, 66, 163-170.	1.9	522
185	Synthesis, Structure, and Carbon Dioxide Capture Properties of Zeolitic Imidazolate Frameworks. Accounts of Chemical Research, 2010, 43, 58-67.	7.6	2,268
186	Titelbild: Metal-Organic Frameworks from Edible Natural Products (Angew. Chem. 46/2010). Angewandte Chemie, 2010, 122, 8715-8715.	1.6	0
187	Metalâ€“Organic Frameworks from Edible Natural Products. Angewandte Chemie - International Edition, 2010, 49, 8630-8634.	7.2	568
188	A Catenated Strut in a Catenated Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2010, 49, 6751-6755.	7.2	103
189	Cover Picture: Metal-Organic Frameworks from Edible Natural Products (Angew. Chem. Int. Ed.) Tj ETQq1 1 0.784314 rgBT /Overlock	7.2	3
190	Exceptional ammonia uptake by a covalent organic framework. Nature Chemistry, 2010, 2, 235-238.	6.6	829
191	Robust dynamics. Nature Chemistry, 2010, 2, 439-443.	6.6	233
192	Metal Insertion in a Microporous Metalâ^'Organic Framework Lined with 2,2â€²-Bipyridine. Journal of the American Chemical Society, 2010, 132, 14382-14384.	6.6	514
193	A Combined Experimentalâ^'Computational Investigation of Carbon Dioxide Capture in a Series of Isoreticular Zeolitic Imidazolate Frameworks. Journal of the American Chemical Society, 2010, 132, 11006-11008.	6.6	303
194	Adsorption Mechanism and Uptake of Methane in Covalent Organic Frameworks: Theory and Experiment. Journal of Physical Chemistry A, 2010, 114, 10824-10833.	1.1	177
195	Ring-Opening Reactions within Porous Metalâ^'Organic Frameworks. Inorganic Chemistry, 2010, 49, 6387-6389.	1.9	115
196	Ultrahigh Porosity in Metal-Organic Frameworks. Science, 2010, 329, 424-428.	6.0	3,306
197	Multiple Functional Groups of Varying Ratios in Metal-Organic Frameworks. Science, 2010, 327, 846-850.	6.0	1,607
198	Metalâ€“organic frameworks with designed chiral recognition sites. Chemical Communications, 2010, 46, 4911.	2.2	82

#	Article	IF	Citations
199	A Metalâ^'Organic Framework with Covalently Bound Organometallic Complexes. Journal of the American Chemical Society, 2010, 132, 9262-9264.	6.6	206
200	A metalâ€"organic framework replete with ordered donorâ€"acceptor catenanes. Chemical Communications, 2010, 46, 380-382.	2.2	94
201	Azulene based metalâ€"organic frameworks for strong adsorption of H2. Chemical Communications, 2010, 46, 7981.	2.2	57
202	Reticular Chemistry and Metal-Organic Frameworks for Clean Energy. MRS Bulletin, 2009, 34, 682-690.	1.7	75
203	Rigidâ€Strutâ€Containing Crown Ethers and [2]Catenanes for Incorporation into Metalâ€"Organic Frameworks. Chemistry - A European Journal, 2009, 15, 13356-13380.	1.7	88
204	Isoreticular Metalation of Metalâ^'Organic Frameworks. Journal of the American Chemical Society, 2009, 131, 9492-9493.	6.6	266
205	Storage of Hydrogen, Methane, and Carbon Dioxide in Highly Porous Covalent Organic Frameworks for Clean Energy Applications. Journal of the American Chemical Society, 2009, 131, 8875-8883.	6.6	2,208
206	Secondary building units, nets and bonding in the chemistry of metalâ€"organic frameworks. Chemical Society Reviews, 2009, 38, 1257.	18.7	2,243
207	Synthesis and Structure of Chemically Stable Metalâ^'Organic Polyhedra. Journal of the American Chemical Society, 2009, 131, 12532-12533.	6.6	150
208	Control of Pore Size and Functionality in Isoreticular Zeolitic Imidazolate Frameworks and their Carbon Dioxide Selective Capture Properties. Journal of the American Chemical Society, 2009, 131, 3875-3877.	6.6	1,297
209	The pervasive chemistry of metalâ€"organic frameworks. Chemical Society Reviews, 2009, 38, 1213.	18.7	2,196
210	A Crystalline Imine-Linked 3-D Porous Covalent Organic Framework. Journal of the American Chemical Society, 2009, 131, 4570-4571.	6.6	1,299
211	Docking in Metal-Organic Frameworks. Science, 2009, 325, 855-859.	6.0	360
212	Highly efficient separation of carbon dioxide by a metal-organic framework replete with open metal sites. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20637-20640.	3.3	1,042
213	Reticular Chemistry of Metalâ€"Organic Polyhedra. Angewandte Chemie - International Edition, 2008, 47, 5136-5147.	7.2	849
214	Room temperature synthesis of metal-organic frameworks: MOF-5, MOF-74, MOF-177, MOF-199, and IRMOF-0. Tetrahedron, 2008, 64, 8553-8557.	1.0	853
215	High-Throughput Synthesis of Zeolitic Imidazolate Frameworks and Application to CO ₂ Capture. Science, 2008, 319, 939-943.	6.0	3,592
216	Colossal cages in zeolitic imidazolate frameworks as selective carbon dioxide reservoirs. Nature, 2008, 453, 207-211.	13.7	1,452

#	Article	IF	Citations
217	The Reticular Chemistry Structure Resource (RCSR) Database of, and Symbols for, Crystal Nets. Accounts of Chemical Research, 2008, 41, 1782-1789.	7.6	1,953
218	Understanding Inflections and Steps in Carbon Dioxide Adsorption Isotherms in Metal-Organic Frameworks. Journal of the American Chemical Society, 2008, 130, 406-407.	6.6	485
219	Covalent Organic Frameworks as Exceptional Hydrogen Storage Materials. Journal of the American Chemical Society, 2008, 130, 11580-11581.	6.6	746
220	Crystals as Molecules: Postsynthesis Covalent Functionalization of Zeolitic Imidazolate Frameworks. Journal of the American Chemical Society, 2008, 130, 12626-12627.	6.6	655
221	Control of Vertex Geometry, Structure Dimensionality, Functionality, and Pore Metrics in the Reticular Synthesis of Crystalline Metalâ˜Organic Frameworks and Polyhedra. Journal of the American Chemical Society, 2008, 130, 11650-11661.	6.6	498
222	Metal-organic frameworks with high capacity and selectivity for harmful gases. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11623-11627.	3.3	820
223	Amphidynamic Character of Crystalline MOF-5:â€‰ Rotational Dynamics of Terephthalate Phenylenes in a Free-Volume, Sterically Unhindered Environment. Journal of the American Chemical Society, 2008, 130, 3246-3247.	6.6	229
224	Reticular Synthesis of Covalent Organic Borosilicate Frameworks. Journal of the American Chemical Society, 2008, 130, 11872-11873.	6.6	352
225	Hyperpolarized 129Xe Nuclear Magnetic Resonance Studies of Isoreticular Metal-Organic Frameworks. Journal of Physical Chemistry C, 2007, 111, 6060-6067.	1.5	43
226	Raman Spectroscopic Investigation of CH4and N2Adsorption in Metalâ˜Organic Frameworks. Chemistry of Materials, 2007, 19, 3681-3685.	3.2	93
227	Impact of Preparation and Handling on the Hydrogen Storage Properties of Zn₄O(1,4-benzenedicarboxylate)₃ (MOF-5). Journal of the American Chemical Society, 2007, 129, 14176-14177.	6.6	1,498
228	Taxonomy of periodic nets and the design of materials. Physical Chemistry Chemical Physics, 2007, 9, 1035-1043.	1.3	239
229	Reticular Synthesis of Microporous and Mesoporous 2D Covalent Organic Frameworks. Journal of the American Chemical Society, 2007, 129, 12914-12915.	6.6	682
230	Designed Synthesis of 3D Covalent Organic Frameworks. Science, 2007, 316, 268-272.	6.0	2,024
231	Thermal conductivity of a metal-organic framework (MOF-5): Part II. Measurement. International Journal of Heat and Mass Transfer, 2007, 50, 405-411.	2.5	198
232	A tale of two entanglements. Nature Materials, 2007, 6, 92-93.	13.3	196
233	Zeolite A imidazolate frameworks. Nature Materials, 2007, 6, 501-506.	13.3	917
234	Independent verification of the saturation hydrogen uptake in MOF-177 and establishment of a benchmark for hydrogen adsorption in metalâ€“organic frameworks. Journal of Materials Chemistry, 2007, 17, 3197.	6.7	536

#	Article	IF	Citations
235	Exceptional H2Saturation Uptake in Microporous Metalâ˜'Organic Frameworks. Journal of the American Chemical Society, 2006, 128, 3494-3495.	6.6	1,172
236	Determination of the hydrogen absorption sites in Zn4O(1,4-benzenedicarboxylate) by single crystal neutron diffraction. Chemical Communications, 2006, , 278-280.	2.2	132
237	Crystal Structure, Dissolution, and Deposition of a 5 nm Functionalized Metalâ˜'Organic Great Rhombicuboctahedron. Journal of the American Chemical Society, 2006, 128, 8398-8399.	6.6	170
238	Three-periodic nets and tilings: edge-transitive binodal structures. Acta Crystallographica Section A: Foundations and Advances, 2006, 62, 350-355.	0.3	206
239	Effects of Functionalization, Catenation, and Variation of the Metal Oxide and Organic Linking Units on the Low-Pressure Hydrogen Adsorption Properties of Metalâ˜'Organic Frameworks. Journal of the American Chemical Society, 2006, 128, 1304-1315.	6.6	1,710
240	Exceptional chemical and thermal stability of zeolitic imidazolate frameworks. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10186-10191.	3.3	5,906
241	NMR Studies on the Diffusion of Hydrocarbons on the Metal-Organic Framework Material MOF-5. Angewandte Chemie - International Edition, 2006, 45, 2123-2126.	7.2	211
242	A Microporous Metalâ€"Organic Framework for Gas-Chromatographic Separation of Alkanes. Angewandte Chemie - International Edition, 2006, 45, 1390-1393.	7.2	1,128
243	Polymer-Induced Heteronucleation for the Discovery of New Extended Solids. Angewandte Chemie - International Edition, 2006, 45, 2553-2556.	7.2	139
244	A Metalâ€"Organic Framework with a Hierarchical System of Pores and Tetrahedral Building Blocks. Angewandte Chemie - International Edition, 2006, 45, 2528-2533.	7.2	196
245	What do we know about three-periodic nets?. Journal of Solid State Chemistry, 2005, 178, 2533-2554.	1.4	247
246	Raman spectra of hydrogen and deuterium adsorbed on a metalâ€"organic framework. Chemical Physics Letters, 2005, 411, 516-519.	1.2	61
247	Gas Adsorption Sites in a Large-Pore Metal-Organic Framework. Science, 2005, 309, 1350-1354.	6.0	842
248	Metalâ˜'Organic Frameworks with Exceptionally High Capacity for Storage of Carbon Dioxide at Room Temperature. Journal of the American Chemical Society, 2005, 127, 17998-17999.	6.6	2,573
249	Porous, Crystalline, Covalent Organic Frameworks. Science, 2005, 310, 1166-1170.	6.0	5,574
250	Strategies for Hydrogen Storage in Metal-Organic Frameworks. Angewandte Chemie - International Edition, 2005, 44, 4670-4679.	7.2	2,287
251	High H2 Adsorption in a Microporous Metal-Organic Framework with Open Metal Sites. Angewandte Chemie - International Edition, 2005, 44, 4745-4749.	7.2	990
252	Reticular Chemistry: Occurrence and Taxonomy of Nets and Grammar for the Design of Frameworks. ChemInform, 2005, 36, no.	0.1	2

#	Article	IF	Citations
253	Strategies for Hydrogen Storage in Metalâ€"Organic Frameworks. ChemInform, 2005, 36, no.	0.1	5
254	Porous Metalâ^'Organic Truncated Octahedron Constructed from Paddle-Wheel Squares and Terthiophene Links. Journal of the American Chemical Society, 2005, 127, 12752-12753.	6.6	205
255	Transformation of a Metalâ^'Organic Framework from the NbO to PtS Net. Inorganic Chemistry, 2005, 44, 181-183.	1.9	159
256	Design, Synthesis, Structure, and Gas (N2, Ar, CO2, CH4, and H2) Sorption Properties of Porous Metal-Organic Tetrahedral and Heterocuboidal Polyhedra. Journal of the American Chemical Society, 2005, 127, 7110-7118.	6.6	579
257	Rod Packings and Metalâ^'Organic Frameworks Constructed from Rod-Shaped Secondary Building Units. Journal of the American Chemical Society, 2005, 127, 1504-1518.	6.6	2,186
258	Reticular Chemistry:â€‰ Occurrence and Taxonomy of Nets and Grammar for the Design of Frameworks. Accounts of Chemical Research, 2005, 38, 176-182.	7.6	2,072
259	Characterization of H2Binding Sites in Prototypical Metalâ^'Organic Frameworks by Inelastic Neutron Scattering. Journal of the American Chemical Society, 2005, 127, 14904-14910.	6.6	285
260	Metal-Organic Frameworks Based on Trigonal Prismatic Building Blocks and the New â€œacsâ€•Topology. Inorganic Chemistry, 2005, 44, 2998-3000.	1.9	276
261	A route to high surface area, porosity and inclusion of large molecules in crystals. Nature, 2004, 427, 523-527.	13.7	2,574
262	Three-periodic nets and tilings: minimal nets. Acta Crystallographica Section A: Foundations and Advances, 2004, 60, 517-520.	0.3	101
263	Metalâ€"organic frameworks: a new class of porous materials. Microporous and Mesoporous Materials, 2004, 73, 3-14.	2.2	2,520
264	Structural study of new hydrocarbon nano-crystals by energy-filtered electron diffraction. Ultramicroscopy, 2004, 98, 145-150.	0.8	2
265	Design of New Materials for Methane Storage. Langmuir, 2004, 20, 2683-2689.	1.6	663
266	Hydrogen Sorption in Functionalized Metalâ^'Organic Frameworks. Journal of the American Chemical Society, 2004, 126, 5666-5667.	6.6	1,258
267	Hydrogen Storage in Microporous Metal-Organic Frameworks. Science, 2003, 300, 1127-1129.	6.0	4,435
268	The CdSO4, rutile, cooperite and quartz dual nets: interpenetration and catenation. Solid State Sciences, 2003, 5, 73-78.	1.5	101
269	Layered Structures Constructed from New Linkages of Ge7(O,OH,F)19 Clusters.. ChemInform, 2003, 34, no.	0.1	0
270	[Cd16In64S134]44-: 31-â„« Tetrahedron with a Large Cavity.. ChemInform, 2003, 34, no.	0.1	0

#	Article	IF	Citations
271	Synthesis and Characterization of Zirconogermanates.. ChemInform, 2003, 34, no.	0.1	0
272	Computation of Aromatic C3N4 Networks and Synthesis of the Molecular Precursor N(C3N3)3Cl6. Chemistry - A European Journal, 2003, 9, 4197-4201.	1.7	55
273	[Cd16In64S134]44: 31-Ã... Tetrahedron with a Large Cavity. Angewandte Chemie - International Edition, 2003, 42, 1819-1821.	7.2	109
274	Design of Frameworks with Mixed Triangular and Octahedral Building Blocks Exemplified by the Structure of[Zn4O(TCA)2] Having the Pyrite Topology. Angewandte Chemie - International Edition, 2003, 42, 3907-3909.	7.2	200
275	Three-periodic nets and tilings: regular and quasiregular nets. Acta Crystallographica Section A: Foundations and Advances, 2003, 59, 22-27.	0.3	425
276	Three-periodic nets and tilings: semiregular nets. Acta Crystallographica Section A: Foundations and Advances, 2003, 59, 515-525.	0.3	222
277	Reticular synthesis and the design of new materials. Nature, 2003, 423, 705-714.	13.7	8,374
278	Layered Structures Constructed from New Linkages of Ge7(O,OH,F)19Clusters. Chemistry of Materials, 2003, 15, 714-718.	3.2	50
279	Synthesis and Characterization of Zirconogermanates. Inorganic Chemistry, 2003, 42, 5954-5959.	1.9	43
280	Cu2[o-Br-C6H3(CO2)2]2(H2O)2Â·(DMF)8(H2O)2:â€‰ A Framework Deliberately Designed To Have the NbO Structure Type. Journal of the American Chemical Society, 2002, 124, 376-377.	6.6	383
281	Advances in the chemistry of metalâ€“organic frameworks. CrystEngComm, 2002, 4, 401-404.	1.3	271
282	One-Step Synthesis and Structure of an Oligo(spiro-orthocarbonate). Journal of the American Chemical Society, 2002, 124, 4942-4943.	6.6	18
283	Geometric requirements and examples of important structures in the assembly of square building blocks. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4900-4904.	3.3	353
284	Infinite Secondary Building Units and Forbidden Catenation in Metal-Organic Frameworks The National Science Foundation support to M.O'K. (DMR- 9804817) and O.M.Y. (DMR-9980469) is gratefully acknowledged.. Angewandte Chemie - International Edition, 2002, 41, 284.	7.2	293
285	Systematic Design of Pore Size and Functionality in Isoreticular MOFs and Their Application in Methane Storage. Science, 2002, 295, 469-472.	6.0	7,254
286	Porous Metalâ”Organic Polyhedra:â€‰ 25 Ã... Cuboctahedron Constructed from 12 Cu2(CO2)4 Paddle-Wheel Building Blocks. Journal of the American Chemical Society, 2001, 123, 4368-4369.	6.6	639
287	Title is missing!. Chemical Communications, 2001, , 2534-2535.	2.2	109
288	Interwoven Metal-Organic Framework on a Periodic Minimal Surface with Extra-Large Pores. Science, 2001, 291, 1021-1023.	6.0	1,211

#	Article	IF	Citations
289	20 Ã... Cd4In16S3514-Supertetrahedral T4 Clusters as Building Units in Decorated Cristobalite Frameworks. Journal of the American Chemical Society, 2001, 123, 4867-4868.	6.6	169
290	Tertiary Building Units:Â Synthesis, Structure, and Porosity of a Metalâ^'Organic Dendrimer Framework (MODF-1)âŠ¥. Journal of the American Chemical Society, 2001, 123, 11482-11483.	6.6	113
291	Assembly of Metalâ^'Organic Frameworks from Large Organic and Inorganic Secondary Building Units:Â New Examples and Simplifying Principles for Complex Structuresâ–µ. Journal of the American Chemical Society, 2001, 123, 8239-8247.	6.6	789
292	Title is missing!. Chemical Communications, 2001, , 2532-2533.	2.2	144
293	A Flexible Germanate Structure Containing 24-Ring Channels and with Very Low Framework Density. Journal of the American Chemical Society, 2001, 123, 12706-12707.	6.6	163
294	Modular Chemistry:â€‰ Secondary Building Units as a Basis for the Design of Highly Porous and Robust Metalâ^'Organic Carboxylate Frameworks. Accounts of Chemical Research, 2001, 34, 319-330.	7.6	4,980
295	Frameworks for Extended Solids: Geometrical Design Principles. Journal of Solid State Chemistry, 2000, 152, 3-20.	1.4	931
296	Design of Solids from Molecular Building Blocks: Golden Opportunities for Solid State Chemistry. Journal of Solid State Chemistry, 2000, 152, 1-2.	1.4	114
297	Cu2(ATC)Â·6H2O:Â Design of Open Metal Sites in Porous Metalâ^'Organic Crystals (ATC:Â 1,3,5,7-Adamantane) Tj ETQq1 1 0.784314	6.6	451
298	Ge2ZrO6F2Â·(H2DAB)H2O:1Â A 4-Connected Microporous Material with â€œBow Tieâ€•Building Units and an Exceptional Proportion of 3-Rings. Journal of the American Chemical Society, 2000, 122, 12409-12410.	6.6	64
299	Highly Porous and Stable Metalâ^'Organic Frameworks:Â Structure Design and Sorption Properties. Journal of the American Chemical Society, 2000, 122, 1391-1397.	6.6	1,010
300	Large Free Volume in Maximally Interpenetrating Networks:Â The Role of Secondary Building Units Exemplified by Tb2(ADB)3[(CH3)2SO]4Â·16[(CH3)2SO]1. Journal of the American Chemical Society, 2000, 122, 4843-4844.	6.6	396
301	Design and synthesis of an exceptionally stable and highly porous metal-organic framework. Nature, 1999, 402, 276-279.	13.7	7,021
302	Tailored Porous Materials. Chemistry of Materials, 1999, 11, 2633-2656.	3.2	714
303	An Open-Framework Germanate with Polycubane-Like Topology. Angewandte Chemie - International Edition, 1999, 38, 653-655.	7.2	94
304	A Microporous Lanthanide-Organic Framework. Angewandte Chemie - International Edition, 1999, 38, 2590-2594.	7.2	452
305	From Condensed Lanthanide Coordination Solids to Microporous Frameworks Having Accessible Metal Sites. Journal of the American Chemical Society, 1999, 121, 1651-1657.	6.6	843
306	Supertetrahedral Sulfide Crystals with Giant Cavities and Channels. Science, 1999, 283, 1145-1147.	6.0	414

#	Article	IF	Citations
307	Noninterpenetrating Indium Sulfide Supertetrahedral Cristobalite Framework. Journal of the American Chemical Society, 1999, 121, 6096-6097.	6.6	107
308	An Open-Framework Germanate with Polycubane-Like Topology. , 1999, 38, 653.		2
309	Establishing Microporosity in Open Metalâ^'Organic Frameworks:Â Gas Sorption Isotherms for Zn(BDC) (BDC = 1,4-Benzenedicarboxylate). Journal of the American Chemical Society, 1998, 120, 8571-8572.	6.6	1,060
310	Porous Germanates:Â Synthesis, Structure, and Inclusion Properties of Ge7O14.5F2Â·[(CH3)2NH2]3(H2O)0.86. Journal of the American Chemical Society, 1998, 120, 8567-8568.	6.6	108
311	Transformation of Germanium Dioxide to Microporous Germanate 4-Connected Nets. Journal of the American Chemical Society, 1998, 120, 10569-10570.	6.6	140
312	Coordinatively Unsaturated Metal Centers in the Extended Porous Framework of Zn3(BDC)3Â·6CH3OH (BDC = 1,4-Benzenedicarboxylate). Journal of the American Chemical Society, 1998, 120, 2186-2187.	6.6	376
313	Synthetic Strategies, Structure Patterns, and Emerging Properties in the Chemistry of Modular Porous Solids. Accounts of Chemical Research, 1998, 31, 474-484.	7.6	2,133
314	Selective Guest Binding by Tailored Channels in a 3-D Porous Zinc(II)â^'Benzenetricarboxylate Network. Journal of the American Chemical Society, 1997, 119, 2861-2868.	6.6	701
315	Construction of Porous Solids from Hydrogen-Bonded Metal Complexes of 1,3,5-Benzenetricarboxylic Acid. Journal of the American Chemical Society, 1996, 118, 9096-9101.	6.6	769
316	Mutually Interpenetrating Sheets and Channels in the Extended Structure of[Cu(4,4â€²-bpy)Cl]. Angewandte Chemie International Edition in English, 1995, 34, 207-209.	4.4	348
317	Preparation of Single Crystals of Coordination Solids in Silica Gels: Synthesis and Structure of CuII(1,4-C4H4N2)(C4O4)(OH2)4. Journal of Solid State Chemistry, 1995, 117, 256-260.	1.4	24
318	Selective binding and removal of guests in a microporous metalâ€“organic framework. Nature, 1995, 378, 703-706.	13.7	2,281
319	Conversion of hydrogen-bonded manganese(II) and zinc(II) squarate (C4O42â€“) molecules, chains and sheets to three-dimensional cage networks. Journal of the Chemical Society Dalton Transactions, 1995, , 727-732.	1.1	37
320	Open-Framework Solids with Diamond-Like Structures Prepared from Clusters and Metal-Organic Building Blocks. Materials Research Society Symposia Proceedings, 1994, 371, 15.	0.1	45
321	New Directions in Polyvanadate Chemistry: From Cages and Clusters to Baskets, Belts, Bowls, and Barrels. Angewandte Chemie International Edition in English, 1992, 31, 49-51.	4.4	163
322	Shape-selective binding of nitriles to the inorganic cavitand, V12O324â^'. Materials Chemistry and Physics, 1991, 29, 97-104.	2.0	39
323	Induced molecule self-organization. Nature, 1991, 352, 115-116.	13.7	43
324	Reticular Chemistry of Metal-Organic Frameworks Composed of Copper and Zinc Metal Oxide Secondary Building Units as Nodes. , 0, , 41-72.		4

#	Article	IF	Citations
325	Design of MOFs with Absolute Structures: A Case Study. Israel Journal of Chemistry, 0, , .	1.0	5
326	The Invisible Bond. ChemistryViews, 0, , .	0.0	0