List of Publications by Year in descending order

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275 papers	176,037 citations	135 159 h-index	353 284 g-index
319 all docs	319 docs citations	319 times ranked	53900 citing authors

#	Article	IF	Citations
1	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.	13.7	122
2	Entanglement of Square Nets in Covalent Organic Frameworks. Journal of the American Chemical Society, 2022, 144, 1539-1544.	13.7	26
3	Large Cages of Zeolitic Imidazolate Frameworks. Accounts of Chemical Research, 2022, 55, 707-721.	15.6	71
4	Visualizing Pore Packing and Topology in MOFs. Journal of Chemical Education, 2022, 99, 1998-2004.	2.3	11
5	Evolution of MOF single crystals. CheM, 2022, 8, 1541-1543.	11.7	12
6	Hydrazine-Hydrazide-Linked Covalent Organic Frameworks for Water Harvesting. ACS Central Science, 2022, 8, 926-932.	11.3	59
7	Ionic Conduction Mechanism and Design of Metalâ€“Organic Framework Based Quasi-Solid-State Electrolytes. Journal of the American Chemical Society, 2022, 144, 13446-13450.	13.7	33
8	Covalent Organic Frameworks for Carbon Dioxide Capture from Air. Journal of the American Chemical Society, 2022, 144, 12989-12995.	13.7	118
9	Docking of Cu^I and Ag^I in Metalâ€“Organic Frameworks for Adsorption and Separation of Xenon. Angewandte Chemie, 2021, 133, 3459-3463.	2.0	12
10	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.	13.8	98
11	â€˜Eyeâ€™ of the moleculeâ€”a viewpoint. Faraday Discussions, 2021, 231, 145-149.	3.2	1
12	From Molecules to Frameworks to Superframework Crystals. Advanced Materials, 2021, 33, e2103808.	21.0	26
13	Evolution of water structures in metal-organic frameworks for improved atmospheric water harvesting. Science, 2021, 374, 454-459.	12.6	281
14	Amidation, Esterification, and Thioesterification of a Carboxylâ€Functionalized Covalent Organic Framework. Angewandte Chemie, 2020, 132, 2039-2043.	2.0	22
15	Precise Control of Molecular Selfâ€Diffusion in Isoreticular and Multivariate Metalâ€Organic Frameworks. ChemPhysChem, 2020, 21, 32-35.	2.1	29
16	Amidation, Esterification, and Thioesterification of a Carboxylâ€Functionalized Covalent Organic Framework. Angewandte Chemie - International Edition, 2020, 59, 2023-2027.	13.8	66
17	Architectural Stabilization of a Gold(III) Catalyst in Metal-Organic Frameworks. CheM, 2020, 6, 142-152.	11.7	39
18	Digital Reticular Chemistry. CheM, 2020, 6, 2219-2241.	11.7	96

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19	Design of higher valency in covalent organic frameworks. Science, 2020, 370, .	12.6	189
20	Metalâ€“Organic Frameworks for Water Harvesting from Air, Anywhere, Anytime. ACS Central Science, 2020, 6, 1348-1354.	11.3	248
21	The Reticular Chemist. Nano Letters, 2020, 20, 8432-8434.	9.1	28
22	3D Covalent Organic Frameworks Selectively Crystallized through Conformational Design. Journal of the American Chemical Society, 2020, 142, 20335-20339.	13.7	97
23	Sequencing of metals in multivariate metal-organic frameworks. Science, 2020, 369, 674-680.	12.6	165
24	Ester-Linked Crystalline Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 14450-14454.	13.7	80
25	Anisotropic reticular chemistry. Nature Reviews Materials, 2020, 5, 764-779.	48.7	149
26	MOF water harvesters. Nature Nanotechnology, 2020, 15, 348-355.	31.5	400
27	Pore Chemistry of Metalâ€“Organic Frameworks. Advanced Functional Materials, 2020, 30, 2000238.	14.9	245
28	Individually Encapsulated Frame-in-Frame Structure. , 2020, 2, 685-690.		10
29	Standard Practices of Reticular Chemistry. ACS Central Science, 2020, 6, 1255-1273.	11.3	142
30	A Porous Covalent Organic Framework with Voided Square Grid Topology for Atmospheric Water Harvesting. Journal of the American Chemical Society, 2020, 142, 2218-2221.	13.7	183
31	Reticulating 1D Ribbons into 2D Covalent Organic Frameworks by Imine and Imide Linkages. Journal of the American Chemical Society, 2020, 142, 2771-2776.	13.7	118
32	Reticular Chemistry in All Dimensions. ACS Central Science, 2019, 5, 1295-1300.	11.3	166
33	Reticular Synthesis of Multinary Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 11420-11424.	13.7	126
34	Three-Dimensional Phthalocyanine Metal-Catecholates for High Electrochemical Carbon Dioxide Reduction. Journal of the American Chemical Society, 2019, 141, 17081-17085.	13.7	165
35	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.	13.7	216
36	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.	13.7	49

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37	Rapid Cycling and Exceptional Yield in a Metal-Organic Framework Water Harvester. ACS Central Science, 2019, 5, 1699-1706.	11.3	340
38	Parallel Worlds Meet at Designed Interfaces with a Vast Number of Potential Frameworks. Biochemistry, 2019, 58, 3823-3824.	2.5	0
39	Multistep Solid-State Organic Synthesis of Carbamate-Linked Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 11253-11258.	13.7	92
40	Isotherms of individual pores by gas adsorption crystallography. Nature Chemistry, 2019, 11, 562-570.	13.6	88
41	Porous Crystalline Olefin-Linked Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 6848-6852.	13.7	333
42	Reticular Chemistry: Molecular Precision in Infinite 2D and 3D. Molecular Frontiers Journal, 2019, 03, 66-83.	1.1	46
43	Carbon capture and conversion using metalâ€“organic frameworks and MOF-based materials. Chemical Society Reviews, 2019, 48, 2783-2828.	38.1	1,685
44	Highly Active and Stable Single-Atom Cu Catalysts Supported by a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 5201-5210.	13.7	361
45	Covalent Organic Frameworks: Organic Chemistry Extended into Two and Three Dimensions. Trends in Chemistry, 2019, 1, 172-184.	8.5	232
46	Local Electronic Structure of Molecular Heterojunctions in a Singleâ€Layer 2D Covalent Organic Framework. Advanced Materials, 2019, 31, e1805941.	21.0	74
47	Identification of the strong BrÃ¸nsted acid site in a metalâ€“organic framework solid acid catalyst. Nature Chemistry, 2019, 11, 170-176.	13.6	198
48	Building a Global Culture of Scienceâ€”The Vietnam Experience. Angewandte Chemie - International Edition, 2019, 58, 1552-1560.	13.8	5
49	3D Covalent Organic Frameworks of Interlocking 1D Square Ribbons. Journal of the American Chemical Society, 2019, 141, 677-683.	13.7	94
50	Aufbau einer globalen Wissenschaftskultur â€“ die Vietnamâ€Erfahrung. Angewandte Chemie, 2019, 131, 1566-1575.	2.0	2
51	The role of reticular chemistry in the design of CO2 reduction catalysts. Nature Materials, 2018, 17, 301-307.	27.5	552
52	Chemical diversity in a metalâ€“organic framework revealed by fluorescence lifetime imaging. Nature Communications, 2018, 9, 1647.	12.8	112
53	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.	13.7	457
54	The geometry of periodic knots, polycatenanes and weaving from a chemical perspective: a library for reticular chemistry. Chemical Society Reviews, 2018, 47, 4642-4664.	38.1	126

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55	Adsorption-based atmospheric water harvesting device for arid climates. Nature Communications, 2018, 9, 1191.	12.8	401
56	Urea-Linked Covalent Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 16438-16441.	13.7	140
57	Bioinspired Metalâ€“Organic Framework Catalysts for Selective Methane Oxidation to Methanol. Journal of the American Chemical Society, 2018, 140, 18208-18216.	13.7	301
58	Metalâ€“Organic Frameworks for Water Harvesting from Air. Advanced Materials, 2018, 30, e1704304.	21.0	500
59	Crystalline Dioxin-Linked Covalent Organic Frameworks from Irreversible Reactions. Journal of the American Chemical Society, 2018, 140, 12715-12719.	13.7	289
60	Molecular Weaving of Covalent Organic Frameworks for Adaptive Guest Inclusion. Journal of the American Chemical Society, 2018, 140, 16015-16019.	13.7	107
61	Cytoprotective metal-organic frameworks for anaerobic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10582-10587.	7.1	145
62	Secondary building units as the turning point in the development of the reticular chemistry of MOFs. Science Advances, 2018, 4, eaat9180.	10.3	533
63	Linking Molybdenumâ€“Sulfur Clusters for Electrocatalytic Hydrogen Evolution. Journal of the American Chemical Society, 2018, 140, 13618-13622.	13.7	78
64	Conceptual Advances from Werner Complexes to Metalâ€“Organic Frameworks. ACS Central Science, 2018, 4, 1457-1464.	11.3	101
65	Metal coordination as a template strategy to make resilient woven materials. Bulletin of Japan Society of Coordination Chemistry, 2018, 71, 12-17.	0.2	3
66	Single-crystal x-ray diffraction structures of covalent organic frameworks. Science, 2018, 361, 48-52.	12.6	868
67	Impact of Disordered Guestâ€“Framework Interactions on the Crystallography of Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 8958-8964.	13.7	54
68	Conversion of Imine to Oxazole and Thiazole Linkages in Covalent Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 9099-9103.	13.7	243
69	Facilitating Laboratory Research Experience Using Reticular Chemistry. Journal of Chemical Education, 2018, 95, 1512-1519.	2.3	38
70	Practical water production from desert air. Science Advances, 2018, 4, eaat3198.	10.3	406
71	Tuning the Interplay between Selectivity and Permeability of ZIF-7 Mixed Matrix Membranes. ACS Applied Materials & Interfaces, 2017, 9, 33401-33407.	8.0	74
72	The atom, the molecule, and the covalent organic framework. Science, 2017, 355, .	12.6	2,037

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73	Principles of Designing Extra-Large Pore Openings and Cages in Zeolitic Imidazolate Frameworks. Journal of the American Chemical Society, 2017, 139, 6448-6455.	13.7	197
74	Water harvesting from air with metal-organic frameworks powered by natural sunlight. Science, 2017, 356, 430-434.	12.6	1,179
75	The â€˜folkloreâ€™ and reality of reticular chemistry. Materials Chemistry Frontiers, 2017, 1, 1304-1309.	5.9	47
76	Calcium <scp>l</scp>-Lactate Frameworks as Naturally Degradable Carriers for Pesticides. Journal of the American Chemical Society, 2017, 139, 8118-8121.	13.7	119
77	Multivariate metal-organic frameworks. National Science Review, 2017, 4, 296-298.	9.5	148
78	Molecular Retrofitting Adapts a Metalâ€“Organic Framework to Extreme Pressure. ACS Central Science, 2017, 3, 662-667.	11.3	79
79	Sequence-Dependent Materials. Accounts of Chemical Research, 2017, 50, 532-534.	15.6	59
80	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.	13.7	193
81	Hydroisomerization of n-Hexane Using Acidified Metalâ€“Organic Framework and Platinum Nanoparticles. Journal of the American Chemical Society, 2017, 139, 12382-12385.	13.7	73
82	Spiers Memorial Lecture: : Progress and prospects of reticular chemistry. Faraday Discussions, 2017, 201, 9-45.	3.2	85
83	The chemistry of metalâ€“organic frameworks for CO2 capture, regeneration and conversion. Nature Reviews Materials, 2017, 2, .	48.7	1,075
84	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.	13.7	371
85	Response to Comment on â€œWater harvesting from air with metal-organic frameworks powered by natural sunlightâ€• Science, 2017, 358, .	12.6	5
86	Response to Comment on â€œWater harvesting from air with metal-organic frameworks powered by natural sunlightâ€• Science, 2017, 358, .	12.6	16
87	Crystal structures as periodic graphs: the topological genome and graph databases. Structural Chemistry, 2017, 28, 39-44.	2.0	22
88	Plasmon-Enhanced Photocatalytic CO₂ Conversion within Metalâ€“Organic Frameworks under Visible Light. Journal of the American Chemical Society, 2017, 139, 356-362.	13.7	511
89	Covalent Organic Frameworksâ€”Organic Chemistry Beyond the Molecule. Molecules, 2017, 22, 1575.	3.8	31
90	Reticular Chemistryâ€”Construction, Properties, and Precision Reactions of Frameworks. Journal of the American Chemical Society, 2016, 138, 15507-15509.	13.7	265

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91	The role of metalâ€“organic frameworks in a carbon-neutral energy cycle. Nature Energy, 2016, 1, .	39.5	374
92	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.	13.7	68
93	Nanoporous Transparent MOF Glasses with Accessible Internal Surface. Journal of the American Chemical Society, 2016, 138, 10818-10821.	13.7	83
94	Coordinative alignment of molecules in chiral metal-organic frameworks. Science, 2016, 353, 808-811.	12.6	262
95	Structures of Metalâ€“Organic Frameworks with Rod Secondary Building Units. Chemical Reviews, 2016, 116, 12466-12535.	47.7	732
96	High Methane Storage Working Capacity in Metalâ€“Organic Frameworks with Acrylate Links. Journal of the American Chemical Society, 2016, 138, 10244-10251.	13.7	253
97	Chemical Conversion of Linkages in Covalent Organic Frameworks. Journal of the American Chemical Society, 2016, 138, 15519-15522.	13.7	373
98	Characterization of Adsorption Enthalpy of Novel Water-Stable Zeolites and Metal-Organic Frameworks. Scientific Reports, 2016, 6, 19097.	3.3	59
99	Copper Nanocrystals Encapsulated in Zr-based Metalâ€“Organic Frameworks for Highly Selective CO₂ Hydrogenation to Methanol. Nano Letters, 2016, 16, 7645-7649.	9.1	370
100	Synthesis of a Water-soluble Metal–Organic Complex Array. Journal of Visualized Experiments, 2016, , .	0.3	1
101	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.	13.7	186
102	Weaving of organic threads into a crystalline covalent organic framework. Science, 2016, 351, 365-369.	12.6	427
103	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.	13.7	260
104	Covalent Chemistry beyond Molecules. Journal of the American Chemical Society, 2016, 138, 3255-3265.	13.7	328
105	Cooperative effects at the interface of nanocrystalline metalâ€“organic frameworks. Nano Research, 2016, 9, 47-58.	10.4	57
106	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.	4.1	11
107	Definitive Molecular Level Characterization of Defects in UiOâ€66 Crystals. Angewandte Chemie - International Edition, 2015, 54, 11162-11167.	13.8	376
108	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.	13.7	278

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109	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.	13.7	339
110	Mesoscopic Constructs of Ordered and Oriented Metalâ€“Organic Frameworks on Plasmonic Silver Nanocrystals. Journal of the American Chemical Society, 2015, 137, 2199-2202.	13.7	141
111	â€œHeterogeneity within Orderâ€• in Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2015, 54, 3417-3430.	13.8	465
112	Modular Synthesis of Metalâ€“Organic Complex Arrays Containing Precisely Designed Metal Sequences. Inorganic Chemistry, 2015, 54, 1197-1199.	4.0	16
113	BrÃ¸nsted Acidity in Metalâ€“Organic Frameworks. Chemical Reviews, 2015, 115, 6966-6997.	47.7	477
114	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.	7.1	36
115	The Development of Global Science. ACS Central Science, 2015, 1, 18-23.	11.3	9
116	<scp>l</scp>-Aspartate links for stable sodium metalâ€“organic frameworks. Chemical Communications, 2015, 51, 17463-17466.	4.1	28
117	Metalâ€“Organic Frameworks for Electrocatalytic Reduction of Carbon Dioxide. Journal of the American Chemical Society, 2015, 137, 14129-14135.	13.7	966
118	Covalent organic frameworks comprising cobalt porphyrins for catalytic CO ₂ reduction in water. Science, 2015, 349, 1208-1213.	12.6	2,046
119	Three-Dimensional Metal-Catecholate Frameworks and Their Ultrahigh Proton Conductivity. Journal of the American Chemical Society, 2015, 137, 15394-15397.	13.7	274
120	Chemistry of Covalent Organic Frameworks. Accounts of Chemical Research, 2015, 48, 3053-3063.	15.6	1,333
121	Extra adsorption and adsorbate superlattice formation in metal-organic frameworks. Nature, 2015, 527, 503-507.	27.8	212
122	Structure-Based Design of Functional Amyloid Materials. Journal of the American Chemical Society, 2014, 136, 18044-18051.	13.7	102
123	Water Adsorption in Porous Metalâ€“Organic Frameworks and Related Materials. Journal of the American Chemical Society, 2014, 136, 4369-4381.	13.7	2,002
124	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.	7.2	66
125	High Methane Storage Capacity in Aluminum Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2014, 136, 5271-5274.	13.7	410
126	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.	47.7	1,010

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127	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.	7.1	93
128	Tunable electrical conductivity in oriented thin films of tetrathiafulvalene-based covalent organic framework. Chemical Science, 2014, 5, 4693-4700.	7.4	295
129	Metal Nanocrystals Embedded in Single Nanocrystals of MOFs Give Unusual Selectivity as Heterogeneous Catalysts. Nano Letters, 2014, 14, 5979-5983.	9.1	235
130	Superacidity in Sulfated Metalâ€“Organic Framework-808. Journal of the American Chemical Society, 2014, 136, 12844-12847.	13.7	457
131	Synthesis and hydrogen adsorption properties of internally polarized 2,6-azulenedicarboxylate based metalâ€“organic frameworks. Journal of Materials Chemistry A, 2014, 2, 18823-18830.	10.3	29
132	Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabaziteâ€Type Zeolitic Imidazolate Frameworks. Angewandte Chemie - International Edition, 2014, 53, 10645-10648.	13.8	225
133	Supercapacitors of Nanocrystalline Metalâ€“Organic Frameworks. ACS Nano, 2014, 8, 7451-7457.	14.6	660
134	Synthesis and Characterization of Metalâ€“Organic Framework-74 Containing 2, 4, 6, 8, and 10 Different Metals. Inorganic Chemistry, 2014, 53, 5881-5883.	4.0	397
135	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.	13.7	369
136	A two-dimensional zeolitic imidazolate framework with a cushion-shaped cavity for CO2 adsorption. Chemical Communications, 2013, 49, 9500.	4.1	514
137	Mapping of Functional Groups in Metal-Organic Frameworks. Science, 2013, 341, 882-885.	12.6	411
138	Thermal maps of gases in heterogeneous reactions. Nature, 2013, 502, 537-540.	27.8	52
139	Dielectrophoresis-Assembled Zeolitic Imidazolate Framework Nanoparticle-Coupled Resonators for Highly Sensitive and Selective Gas Detection. Nano Letters, 2013, 13, 5271-5276.	9.1	72
140	The Chemistry and Applications of Metal-Organic Frameworks. Science, 2013, 341, 1230444.	12.6	12,032
141	Crystalline Fibers of Metalâ€“Peptide Double Ladders. Inorganic Chemistry, 2013, 52, 13818-13820.	4.0	10
142	Single-Crystal Structure of a Covalent Organic Framework. Journal of the American Chemical Society, 2013, 135, 16336-16339.	13.7	392
143	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.	3.1	83
144	Photophysical pore control in an azobenzene-containing metalâ€“organic framework. Chemical Science, 2013, 4, 2858.	7.4	239

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145	Zeolitic imidazolate framework-coupled resonators for enhanced gas detection. Journal of Micromechanics and Microengineering, 2013, 23, 125027.	2.6	18
146	NMR and X-ray Study Revealing the Rigidity of Zeolitic Imidazolate Frameworks. Journal of Physical Chemistry C, 2012, 116, 13307-13312.	3.1	150
147	Synthesis, Structure, and Metalation of Two New Highly Porous Zirconium Metalâ€“Organic Frameworks. Inorganic Chemistry, 2012, 51, 6443-6445.	4.0	763
148	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.	4.6	95
149	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.	3.1	112
150	New Porous Crystals of Extended Metal-Catecholates. Chemistry of Materials, 2012, 24, 3511-3513.	6.7	618
151	Introduction to Metalâ€“Organic Frameworks. Chemical Reviews, 2012, 112, 673-674.	47.7	5,980
152	Deconstructing the Crystal Structures of Metalâ€“Organic Frameworks and Related Materials into Their Underlying Nets. Chemical Reviews, 2012, 112, 675-702.	47.7	1,942
153	Large-Pore Apertures in a Series of Metal-Organic Frameworks. Science, 2012, 336, 1018-1023.	12.6	1,729
154	Reversible Interpenetration in a Metalâ€“Organic Framework Triggered by Ligand Removal and Addition. Angewandte Chemie - International Edition, 2012, 51, 8791-8795.	13.8	129
155	Porous, Conductive Metalâ€Triazolates and Their Structural Elucidation by the Chargeâ€Flipping Method. Chemistry - A European Journal, 2012, 18, 10595-10601.	3.3	227
156	Hydrogen Storage in New Metalâ€“Organic Frameworks. Journal of Physical Chemistry C, 2012, 116, 13143-13151.	3.1	174
157	Isomers of Metalâ€“Organic Complex Arrays. Inorganic Chemistry, 2012, 51, 6437-6439.	4.0	23
158	Metalâ€“Organic Frameworks Incorporating Copperâ€Complexed Rotaxanes. Angewandte Chemie - International Edition, 2012, 51, 2160-2163.	13.8	105
159	Metalâ€“Organic Frameworks of Vanadium as Catalysts for Conversion of Methane to Acetic Acid. Inorganic Chemistry, 2011, 50, 7388-7390.	4.0	144
160	Site-Specific CO₂ Adsorption and Zero Thermal Expansion in an Anisotropic Pore Network. Journal of Physical Chemistry C, 2011, 115, 24915-24919.	3.1	141
161	Incorporation of active metal sites in MOFs via in situ generated ligand deficient metalâ€“linker complexes. Chemical Communications, 2011, 47, 11882.	4.1	35
162	Crystalline Covalent Organic Frameworks with Hydrazone Linkages. Journal of the American Chemical Society, 2011, 133, 11478-11481.	13.7	731

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163	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.	4.0	322
164	Heterogeneity within Order in Crystals of a Porous Metalâ€“Organic Framework. Journal of the American Chemical Society, 2011, 133, 11920-11923.	13.7	227
165	Synthesis of Metalâ^'Organic Complex Arrays. Journal of the American Chemical Society, 2011, 133, 759-761.	13.7	60
166	Postsynthetic Modification of a Metalâ€“Organic Framework for Stabilization of a Hemiaminal and Ammonia Uptake. Inorganic Chemistry, 2011, 50, 6853-6855.	4.0	194
167	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.	13.7	475
168	Covalent Organic Frameworks with High Charge Carrier Mobility. Chemistry of Materials, 2011, 23, 4094-4097.	6.7	659
169	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.	3.6	68
170	Strong and Reversible Binding of Carbon Dioxide in a Green Metalâ€“Organic Framework. Journal of the American Chemical Society, 2011, 133, 15312-15315.	13.7	346
171	Asymmetric catalytic reactions by NbO-type chiral metalâ€“organic frameworks. Chemical Science, 2011, 2, 877.	7.4	199
172	Synthesis, Structure, and Carbon Dioxide Capture Properties of Zeolitic Imidazolate Frameworks. Accounts of Chemical Research, 2010, 43, 58-67.	15.6	2,268
173	Metalâ€“Organic Frameworks from Edible Natural Products. Angewandte Chemie - International Edition, 2010, 49, 8630-8634.	13.8	568
174	A Catenated Strut in a Catenated Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2010, 49, 6751-6755.	13.8	103
175	Exceptional ammonia uptake by a covalent organic framework. Nature Chemistry, 2010, 2, 235-238.	13.6	829
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