

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Chemistry and Applications of Metal-Organic Frameworks. <i>Science</i> , 2013, 341, 1230444.	12.6	12,032
2	Reticular synthesis and the design of new materials. <i>Nature</i> , 2003, 423, 705-714.	27.8	8,374
3	Systematic Design of Pore Size and Functionality in Isoreticular MOFs and Their Application in Methane Storage. <i>Science</i> , 2002, 295, 469-472.	12.6	7,254
4	Introduction to Metal-Organic Frameworks. <i>Chemical Reviews</i> , 2012, 112, 673-674.	47.7	5,980
5	Exceptional chemical and thermal stability of zeolitic imidazolate frameworks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10186-10191.	7.1	5,906
6	Porous, Crystalline, Covalent Organic Frameworks. <i>Science</i> , 2005, 310, 1166-1170.	12.6	5,574
7	Modular Chemistry: Secondary Building Units as a Basis for the Design of Highly Porous and Robust Metal-Organic Carboxylate Frameworks. <i>Accounts of Chemical Research</i> , 2001, 34, 319-330.	15.6	4,980
8	Hydrogen Storage in Microporous Metal-Organic Frameworks. <i>Science</i> , 2003, 300, 1127-1129.	12.6	4,435
9	High-Throughput Synthesis of Zeolitic Imidazolate Frameworks and Application to CO ₂ Capture. <i>Science</i> , 2008, 319, 939-943.	12.6	3,592
10	Ultrahigh Porosity in Metal-Organic Frameworks. <i>Science</i> , 2010, 329, 424-428.	12.6	3,306
11	A route to high surface area, porosity and inclusion of large molecules in crystals. <i>Nature</i> , 2004, 427, 523-527.	27.8	2,574
12	Metal-Organic Frameworks with Exceptionally High Capacity for Storage of Carbon Dioxide at Room Temperature. <i>Journal of the American Chemical Society</i> , 2005, 127, 17998-17999.	13.7	2,573
13	Metal-organic frameworks: a new class of porous materials. <i>Microporous and Mesoporous Materials</i> , 2004, 73, 3-14.	4.4	2,520
14	Strategies for Hydrogen Storage in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4670-4679.	13.8	2,287
15	Synthesis, Structure, and Carbon Dioxide Capture Properties of Zeolitic Imidazolate Frameworks. <i>Accounts of Chemical Research</i> , 2010, 43, 58-67.	15.6	2,268
16	Secondary building units, nets and bonding in the chemistry of metal-organic frameworks. <i>Chemical Society Reviews</i> , 2009, 38, 1257.	38.1	2,243
17	Storage of Hydrogen, Methane, and Carbon Dioxide in Highly Porous Covalent Organic Frameworks for Clean Energy Applications. <i>Journal of the American Chemical Society</i> , 2009, 131, 8875-8883.	13.7	2,208
18	The pervasive chemistry of metal-organic frameworks. <i>Chemical Society Reviews</i> , 2009, 38, 1213.	38.1	2,196

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19	Rod Packings and Metal-Organic Frameworks Constructed from Rod-Shaped Secondary Building Units. <i>Journal of the American Chemical Society</i> , 2005, 127, 1504-1518.	13.7	2,186
20	Synthetic Strategies, Structure Patterns, and Emerging Properties in the Chemistry of Modular Porous Solids. <i>Accounts of Chemical Research</i> , 1998, 31, 474-484.	15.6	2,133
21	Reticular Chemistry: Occurrence and Taxonomy of Nets and Grammar for the Design of Frameworks. <i>Accounts of Chemical Research</i> , 2005, 38, 176-182.	15.6	2,072
22	Covalent organic frameworks comprising cobalt porphyrins for catalytic CO ₂ reduction in water. <i>Science</i> , 2015, 349, 1208-1213.	12.6	2,046
23	The atom, the molecule, and the covalent organic framework. <i>Science</i> , 2017, 355, .	12.6	2,037
24	Designed Synthesis of 3D Covalent Organic Frameworks. <i>Science</i> , 2007, 316, 268-272.	12.6	2,024
25	Water Adsorption in Porous Metal-Organic Frameworks and Related Materials. <i>Journal of the American Chemical Society</i> , 2014, 136, 4369-4381.	13.7	2,002
26	The Reticular Chemistry Structure Resource (RCSR) Database of, and Symbols for, Crystal Nets. <i>Accounts of Chemical Research</i> , 2008, 41, 1782-1789.	15.6	1,953
27	Deconstructing the Crystal Structures of Metal-Organic Frameworks and Related Materials into Their Underlying Nets. <i>Chemical Reviews</i> , 2012, 112, 675-702.	47.7	1,942
28	Large-Pore Apertures in a Series of Metal-Organic Frameworks. <i>Science</i> , 2012, 336, 1018-1023.	12.6	1,729
29	Effects of Functionalization, Catenation, and Variation of the Metal Oxide and Organic Linking Units on the Low-Pressure Hydrogen Adsorption Properties of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2006, 128, 1304-1315.	13.7	1,710
30	Carbon capture and conversion using metal-organic frameworks and MOF-based materials. <i>Chemical Society Reviews</i> , 2019, 48, 2783-2828.	38.1	1,685
31	Multiple Functional Groups of Varying Ratios in Metal-Organic Frameworks. <i>Science</i> , 2010, 327, 846-850.	12.6	1,607
32	Impact of Preparation and Handling on the Hydrogen Storage Properties of Zn ₄ O(1,4-benzenedicarboxylate) ₃ (MOF-5). <i>Journal of the American Chemical Society</i> , 2007, 129, 14176-14177.	13.7	1,498
33	Colossal cages in zeolitic imidazolate frameworks as selective carbon dioxide reservoirs. <i>Nature</i> , 2008, 453, 207-211.	27.8	1,452
34	Chemistry of Covalent Organic Frameworks. <i>Accounts of Chemical Research</i> , 2015, 48, 3053-3063.	15.6	1,333
35	A Crystalline Imine-Linked 3-D Porous Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2009, 131, 4570-4571.	13.7	1,299
36	Control of Pore Size and Functionality in Isoreticular Zeolitic Imidazolate Frameworks and their Carbon Dioxide Selective Capture Properties. <i>Journal of the American Chemical Society</i> , 2009, 131, 3875-3877.	13.7	1,297

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37	Hydrogen Sorption in Functionalized Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2004, 126, 5666-5667.	13.7	1,258
38	Water harvesting from air with metal-organic frameworks powered by natural sunlight. <i>Science</i> , 2017, 356, 430-434.	12.6	1,179
39	Exceptional H ₂ Saturation Uptake in Microporous Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2006, 128, 3494-3495.	13.7	1,172
40	A Microporous Metal-Organic Framework for Gas-Chromatographic Separation of Alkanes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1390-1393.	13.8	1,128
41	The chemistry of metal-organic frameworks for CO ₂ capture, regeneration and conversion. <i>Nature Reviews Materials</i> , 2017, 2, .	48.7	1,075
42	Highly efficient separation of carbon dioxide by a metal-organic framework replete with open metal sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20637-20640.	7.1	1,042
43	Topological Analysis of Metal-Organic Frameworks with Polytopic Linkers and/or Multiple Building Units and the Minimal Transitivity Principle. <i>Chemical Reviews</i> , 2014, 114, 1343-1370.	47.7	1,010
44	High H ₂ Adsorption in a Microporous Metal-Organic Framework with Open Metal Sites. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4745-4749.	13.8	990
45	Metal-Organic Frameworks for Electrocatalytic Reduction of Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 2015, 137, 14129-14135.	13.7	966
46	Zeolite A imidazolate frameworks. <i>Nature Materials</i> , 2007, 6, 501-506.	27.5	917
47	Single-crystal x-ray diffraction structures of covalent organic frameworks. <i>Science</i> , 2018, 361, 48-52.	12.6	868
48	Room temperature synthesis of metal-organic frameworks: MOF-5, MOF-74, MOF-177, MOF-199, and IRMOF-0. <i>Tetrahedron</i> , 2008, 64, 8553-8557.	1.9	853
49	Reticular Chemistry of Metal-Organic Polyhedra. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5136-5147.	13.8	849
50	Gas Adsorption Sites in a Large-Pore Metal-Organic Framework. <i>Science</i> , 2005, 309, 1350-1354.	12.6	842
51	Exceptional ammonia uptake by a covalent organic framework. <i>Nature Chemistry</i> , 2010, 2, 235-238.	13.6	829
52	Metal-organic frameworks with high capacity and selectivity for harmful gases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11623-11627.	7.1	820
53	Assembly of Metal-Organic Frameworks from Large Organic and Inorganic Secondary Building Units: New Examples and Simplifying Principles for Complex Structures. <i>Journal of the American Chemical Society</i> , 2001, 123, 8239-8247.	13.7	789
54	Synthesis, Structure, and Metalation of Two New Highly Porous Zirconium Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2012, 51, 6443-6445.	4.0	763

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55	Covalent Organic Frameworks as Exceptional Hydrogen Storage Materials. <i>Journal of the American Chemical Society</i> , 2008, 130, 11580-11581.	13.7	746
56	Structures of Metal-Organic Frameworks with Rod Secondary Building Units. <i>Chemical Reviews</i> , 2016, 116, 12466-12535.	47.7	732
57	Crystalline Covalent Organic Frameworks with Hydrazone Linkages. <i>Journal of the American Chemical Society</i> , 2011, 133, 11478-11481.	13.7	731
58	Tailored Porous Materials. <i>Chemistry of Materials</i> , 1999, 11, 2633-2656.	6.7	714
59	Reticular Synthesis of Microporous and Mesoporous 2D Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2007, 129, 12914-12915.	13.7	682
60	Design of New Materials for Methane Storage. <i>Langmuir</i> , 2004, 20, 2683-2689.	3.5	663
61	Supercapacitors of Nanocrystalline Metal-Organic Frameworks. <i>ACS Nano</i> , 2014, 8, 7451-7457.	14.6	660
62	Covalent Organic Frameworks with High Charge Carrier Mobility. <i>Chemistry of Materials</i> , 2011, 23, 4094-4097.	6.7	659
63	Crystals as Molecules: Postsynthesis Covalent Functionalization of Zeolitic Imidazolate Frameworks. <i>Journal of the American Chemical Society</i> , 2008, 130, 12626-12627.	13.7	655
64	New Porous Crystals of Extended Metal-Catecholates. <i>Chemistry of Materials</i> , 2012, 24, 3511-3513.	6.7	618
65	Design, Synthesis, Structure, and Gas (N ₂ , Ar, CO ₂ , CH ₄ , and H ₂) Sorption Properties of Porous Metal-Organic Tetrahedral and Heterocuboidal Polyhedra. <i>Journal of the American Chemical Society</i> , 2005, 127, 7110-7118.	13.7	579
66	Metal-Organic Frameworks from Edible Natural Products. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8630-8634.	13.8	568
67	The role of reticular chemistry in the design of CO ₂ reduction catalysts. <i>Nature Materials</i> , 2018, 17, 301-307.	27.5	552
68	Independent verification of the saturation hydrogen uptake in MOF-177 and establishment of a benchmark for hydrogen adsorption in metal-organic frameworks. <i>Journal of Materials Chemistry</i> , 2007, 17, 3197.	6.7	536
69	Secondary building units as the turning point in the development of the reticular chemistry of MOFs. <i>Science Advances</i> , 2018, 4, eaat9180.	10.3	533
70	Metal Insertion in a Microporous Metal-Organic Framework Lined with 2,2'-Bipyridine. <i>Journal of the American Chemical Society</i> , 2010, 132, 14382-14384.	13.7	514
71	A two-dimensional zeolitic imidazolate framework with a cushion-shaped cavity for CO ₂ adsorption. <i>Chemical Communications</i> , 2013, 49, 9500.	4.1	514
72	Plasmon-Enhanced Photocatalytic CO ₂ Conversion within Metal-Organic Frameworks under Visible Light. <i>Journal of the American Chemical Society</i> , 2017, 139, 356-362.	13.7	511

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73	Metal-Organic Frameworks for Water Harvesting from Air. <i>Advanced Materials</i> , 2018, 30, e1704304.	21.0	500
74	Control of Vertex Geometry, Structure Dimensionality, Functionality, and Pore Metrics in the Reticular Synthesis of Crystalline Metal-Organic Frameworks and Polyhedra. <i>Journal of the American Chemical Society</i> , 2008, 130, 11650-11661.	13.7	498
75	Understanding Inflections and Steps in Carbon Dioxide Adsorption Isotherms in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2008, 130, 406-407.	13.7	485
76	Brønsted Acidity in Metal-Organic Frameworks. <i>Chemical Reviews</i> , 2015, 115, 6966-6997.	47.7	477
77	A Multiunit Catalyst with Synergistic Stability and Reactivity: A Polyoxometalate-Metal Organic Framework for Aerobic Decontamination. <i>Journal of the American Chemical Society</i> , 2011, 133, 16839-16846.	13.7	475
78	Order Heterogeneity within Order in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3417-3430.	13.8	465
79	Superacidity in Sulfated Metal-Organic Framework-808. <i>Journal of the American Chemical Society</i> , 2014, 136, 12844-12847.	13.7	457
80	Reticular Electronic Tuning of Porphyrin Active Sites in Covalent Organic Frameworks for Electrocatalytic Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2018, 140, 1116-1122.	13.7	457
81	A Microporous Lanthanide-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2590-2594.	13.8	452
82	Weaving of organic threads into a crystalline covalent organic framework. <i>Science</i> , 2016, 351, 365-369.	12.6	427
83	Three-periodic nets and tilings: regular and quasiregular nets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2003, 59, 22-27.	0.3	425
84	Mapping of Functional Groups in Metal-Organic Frameworks. <i>Science</i> , 2013, 341, 882-885.	12.6	411
85	High Methane Storage Capacity in Aluminum Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2014, 136, 5271-5274.	13.7	410
86	Practical water production from desert air. <i>Science Advances</i> , 2018, 4, eaat3198.	10.3	406
87	Adsorption-based atmospheric water harvesting device for arid climates. <i>Nature Communications</i> , 2018, 9, 1191.	12.8	401
88	MOF water harvesters. <i>Nature Nanotechnology</i> , 2020, 15, 348-355.	31.5	400
89	Synthesis and Characterization of Metal-Organic Framework-74 Containing 2, 4, 6, 8, and 10 Different Metals. <i>Inorganic Chemistry</i> , 2014, 53, 5881-5883.	4.0	397
90	Single-Crystal Structure of a Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2013, 135, 16336-16339.	13.7	392

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91	Cu ₂ [o-Br-C ₆ H ₃ (CO ₂) ₂] ₂ (H ₂ O) ₂ ·(DMF) ₈ (H ₂ O) ₂ : A Framework Deliberately Designed To Have the NbO Structure Type. <i>Journal of the American Chemical Society</i> , 2002, 124, 376-377.	13.7	383
92	Definitive Molecular Level Characterization of Defects in UiO-66 Crystals. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11162-11167.	13.8	376
93	The role of metal-organic frameworks in a carbon-neutral energy cycle. <i>Nature Energy</i> , 2016, 1, .	39.5	374
94	Chemical Conversion of Linkages in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016, 138, 15519-15522.	13.7	373
95	The Chemistry of CO ₂ Capture in an Amine-Functionalized Metal-Organic Framework under Dry and Humid Conditions. <i>Journal of the American Chemical Society</i> , 2017, 139, 12125-12128.	13.7	371
96	Copper Nanocrystals Encapsulated in Zr-based Metal-Organic Frameworks for Highly Selective CO ₂ Hydrogenation to Methanol. <i>Nano Letters</i> , 2016, 16, 7645-7649.	9.1	370
97	Metal-Organic Frameworks with Precisely Designed Interior for Carbon Dioxide Capture in the Presence of Water. <i>Journal of the American Chemical Society</i> , 2014, 136, 8863-8866.	13.7	369
98	Highly Active and Stable Single-Atom Cu Catalysts Supported by a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 5201-5210.	13.7	361
99	Docking in Metal-Organic Frameworks. <i>Science</i> , 2009, 325, 855-859.	12.6	360
100	Geometric requirements and examples of important structures in the assembly of square building blocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4900-4904.	7.1	353
101	Reticular Synthesis of Covalent Organic Borosilicate Frameworks. <i>Journal of the American Chemical Society</i> , 2008, 130, 11872-11873.	13.7	352
102	Strong and Reversible Binding of Carbon Dioxide in a Green Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2011, 133, 15312-15315.	13.7	346
103	Rapid Cycling and Exceptional Yield in a Metal-Organic Framework Water Harvester. <i>ACS Central Science</i> , 2019, 5, 1699-1706.	11.3	340
104	Introduction of Functionality, Selection of Topology, and Enhancement of Gas Adsorption in Multivariate Metal-Organic Framework-177. <i>Journal of the American Chemical Society</i> , 2015, 137, 2641-2650.	13.7	339
105	Porous Crystalline Olefin-Linked Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 6848-6852.	13.7	333
106	Covalent Chemistry beyond Molecules. <i>Journal of the American Chemical Society</i> , 2016, 138, 3255-3265.	13.7	328
107	Isoreticular Expansion of Metal-Organic Frameworks with Triangular and Square Building Units and the Lowest Calculated Density for Porous Crystals. <i>Inorganic Chemistry</i> , 2011, 50, 9147-9152.	4.0	322
108	A Combined Experimental-Computational Investigation of Carbon Dioxide Capture in a Series of Isoreticular Zeolitic Imidazolate Frameworks. <i>Journal of the American Chemical Society</i> , 2010, 132, 11006-11008.	13.7	303

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109	Bioinspired Metal-Organic Framework Catalysts for Selective Methane Oxidation to Methanol. <i>Journal of the American Chemical Society</i> , 2018, 140, 18208-18216.	13.7	301
110	Tunable electrical conductivity in oriented thin films of tetrathiafulvalene-based covalent organic framework. <i>Chemical Science</i> , 2014, 5, 4693-4700.	7.4	295
111	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.. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 284.	13.8	293
112	Crystalline Dioxin-Linked Covalent Organic Frameworks from Irreversible Reactions. <i>Journal of the American Chemical Society</i> , 2018, 140, 12715-12719.	13.7	289
113	Characterization of H ₂ Binding Sites in Prototypical Metal-Organic Frameworks by Inelastic Neutron Scattering. <i>Journal of the American Chemical Society</i> , 2005, 127, 14904-14910.	13.7	285
114	Evolution of water structures in metal-organic frameworks for improved atmospheric water harvesting. <i>Science</i> , 2021, 374, 454-459.	12.6	281
115	Chemical Environment Control and Enhanced Catalytic Performance of Platinum Nanoparticles Embedded in Nanocrystalline Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2015, 137, 7810-7816.	13.7	278
116	Metal-Organic Frameworks Based on Trigonal Prismatic Building Blocks and the New α -Topology. <i>Inorganic Chemistry</i> , 2005, 44, 2998-3000.	4.0	276
117	Three-Dimensional Metal-Catecholate Frameworks and Their Ultrahigh Proton Conductivity. <i>Journal of the American Chemical Society</i> , 2015, 137, 15394-15397.	13.7	274
118	Advances in the chemistry of metal-organic frameworks. <i>CrystEngComm</i> , 2002, 4, 401-404.	2.6	271
119	Isorecticular Metalation of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2009, 131, 9492-9493.	13.7	266
120	Reticular Chemistry Construction, Properties, and Precision Reactions of Frameworks. <i>Journal of the American Chemical Society</i> , 2016, 138, 15507-15509.	13.7	265
121	Coordinative alignment of molecules in chiral metal-organic frameworks. <i>Science</i> , 2016, 353, 808-811.	12.6	262
122	A Titanium-Organic Framework as an Exemplar of Combining the Chemistry of Metal and Covalent-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016, 138, 4330-4333.	13.7	260
123	High Methane Storage Working Capacity in Metal-Organic Frameworks with Acrylate Links. <i>Journal of the American Chemical Society</i> , 2016, 138, 10244-10251.	13.7	253
124	Metal-Organic Frameworks for Water Harvesting from Air, Anywhere, Anytime. <i>ACS Central Science</i> , 2020, 6, 1348-1354.	11.3	248
125	What do we know about three-periodic nets?. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2533-2554.	2.9	247
126	Pore Chemistry of Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , 2020, 30, 2000238.	14.9	245

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127	Conversion of Imine to Oxazole and Thiazole Linkages in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 9099-9103.	13.7	243
128	Taxonomy of periodic nets and the design of materials. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1035-1043.	2.8	239
129	Photophysical pore control in an azobenzene-containing metal-organic framework. <i>Chemical Science</i> , 2013, 4, 2858.	7.4	239
130	Metal Nanocrystals Embedded in Single Nanocrystals of MOFs Give Unusual Selectivity as Heterogeneous Catalysts. <i>Nano Letters</i> , 2014, 14, 5979-5983.	9.1	235
131	Robust dynamics. <i>Nature Chemistry</i> , 2010, 2, 439-443.	13.6	233
132	Covalent Organic Frameworks: Organic Chemistry Extended into Two and Three Dimensions. <i>Trends in Chemistry</i> , 2019, 1, 172-184.	8.5	232
133	Amphidynamic Character of Crystalline MOF-5: Rotational Dynamics of Terephthalate Phenyls in a Free-Volume, Sterically Unhindered Environment. <i>Journal of the American Chemical Society</i> , 2008, 130, 3246-3247.	13.7	229
134	Heterogeneity within Order in Crystals of a Porous Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2011, 133, 11920-11923.	13.7	227
135	Porous, Conductive Metal-Triazolates and Their Structural Elucidation by the Charge-Flipping Method. <i>Chemistry - A European Journal</i> , 2012, 18, 10595-10601.	3.3	227
136	Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabazite-Type Zeolitic Imidazolate Frameworks. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10645-10648.	13.8	225
137	Three-periodic nets and tilings: semiregular nets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2003, 59, 515-525.	0.3	222
138	A Metal-Organic Framework of Organic Vertices and Polyoxometalate Linkers as a Solid-State Electrolyte. <i>Journal of the American Chemical Society</i> , 2019, 141, 17522-17526.	13.7	216
139	Extra adsorption and adsorbate superlattice formation in metal-organic frameworks. <i>Nature</i> , 2015, 527, 503-507.	27.8	212
140	Three-periodic nets and tilings: edge-transitive binodal structures. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006, 62, 350-355.	0.3	206
141	A Metal-Organic Framework with Covalently Bound Organometallic Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 9262-9264.	13.7	206
142	Porous Metal-Organic Truncated Octahedron Constructed from Paddle-Wheel Squares and Terthiophene Links. <i>Journal of the American Chemical Society</i> , 2005, 127, 12752-12753.	13.7	205
143	Design of Frameworks with Mixed Triangular and Octahedral Building Blocks Exemplified by the Structure of [Zn ₄ O(TCA) ₂] Having the Pyrite Topology. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3907-3909.	13.8	200
144	Asymmetric catalytic reactions by NbO-type chiral metal-organic frameworks. <i>Chemical Science</i> , 2011, 2, 877.	7.4	199

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145	Identification of the strong Brønsted acid site in a metal-organic framework solid acid catalyst. <i>Nature Chemistry</i> , 2019, 11, 170-176.	13.6	198
146	Principles of Designing Extra-Large Pore Openings and Cages in Zeolitic Imidazolate Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 6448-6455.	13.7	197
147	A Metal-Organic Framework with a Hierarchical System of Pores and Tetrahedral Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2528-2533.	13.8	196
148	Postsynthetic Modification of a Metal-Organic Framework for Stabilization of a Hemiaminal and Ammonia Uptake. <i>Inorganic Chemistry</i> , 2011, 50, 6853-6855.	4.0	194
149	A Synthetic Route for Crystals of Woven Structures, Uniform Nanocrystals, and Thin Films of Imine Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 13166-13172.	13.7	193
150	Design of higher valency in covalent organic frameworks. <i>Science</i> , 2020, 370, .	12.6	189
151	Seven Post-synthetic Covalent Reactions in Tandem Leading to Enzyme-like Complexity within Metal-Organic Framework Crystals. <i>Journal of the American Chemical Society</i> , 2016, 138, 8352-8355.	13.7	186
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