

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

324 papers	30,792 citations	92 h-index	169 g-index
341 ext. papers	35,767 ext. citations	10 avg, IF	7.67 L-index

#	Paper	IF	Citations
324	A homochiral porous metal-organic framework for highly enantioselective heterogeneous asymmetric catalysis. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8940-1	16.4	1745
323	Porous materials with optimal adsorption thermodynamics and kinetics for CO ₂ separation. <i>Nature</i> , 2013 , 495, 80-4	50.4	1677
322	Targeted synthesis of a porous aromatic framework with high stability and exceptionally high surface area. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 9457-60	16.4	1115
321	Gas storage in porous metal-organic frameworks for clean energy applications. <i>Chemical Communications</i> , 2010 , 46, 44-53	5.8	1102
320	Metal-organic framework from an anthracene derivative containing nanoscopic cages exhibiting high methane uptake. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1012-6	16.4	756
319	Framework-catenation isomerism in metal-organic frameworks and its impact on hydrogen uptake. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1858-9	16.4	579
318	Postsynthetically Modified Covalent Organic Frameworks for Efficient and Effective Mercury Removal. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2786-2793	16.4	573
317	An interweaving MOF with high hydrogen uptake. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3896-7	16.4	540
316	Immobilization of MP-11 into a mesoporous metal-organic framework, MP-11@mesoMOF: a new platform for enzymatic catalysis. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10382-5	16.4	479
315	Metal-metalloporphyrin frameworks: a resurging class of functional materials. <i>Chemical Society Reviews</i> , 2014 , 43, 5841-66	58.5	477
314	Rationally designed micropores within a metal-organic framework for selective sorption of gas molecules. <i>Inorganic Chemistry</i> , 2007 , 46, 1233-6	5.1	458
313	Crystal engineering of an nbo topology metal-organic framework for chemical fixation of CO ₂ under ambient conditions. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2615-9	16.4	454
312	A metal-organic framework with entatic metal centers exhibiting high gas adsorption affinity. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11734-5	16.4	443
311	Applications of metal-organic frameworks featuring multi-functional sites. <i>Coordination Chemistry Reviews</i> , 2016 , 307, 106-129	23.2	389
310	Mercury nano-trap for effective and efficient removal of mercury(II) from aqueous solution. <i>Nature Communications</i> , 2014 , 5, 5537	17.4	387
309	Covalent organic frameworks for separation applications. <i>Chemical Society Reviews</i> , 2020 , 49, 708-735	58.5	376
308	Metal-Organic Frameworks for CO Chemical Transformations. <i>Small</i> , 2016 , 12, 6309-6324	11	371

307	Cobalt imidazolate framework as precursor for oxygen reduction reaction electrocatalysts. <i>Chemistry - A European Journal</i> , 2011 , 17, 2063-7	4.8	342
306	A mesh-adjustable molecular sieve for general use in gas separation. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2458-62	16.4	339
305	Flexibility Matters: Cooperative Active Sites in Covalent Organic Framework and Threaded Ionic Polymer. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15790-15796	16.4	329
304	Introduction of π -complexation into porous aromatic framework for highly selective adsorption of ethylene over ethane. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8654-60	16.4	304
303	A mesoporous metal-organic framework with permanent porosity. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16474-5	16.4	295
302	Enhancing H ₂ uptake by "close-packing" alignment of open copper sites in metal-organic frameworks. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7263-6	16.4	291
301	Hydrogen adsorption in a highly stable porous rare-earth metal-organic framework: sorption properties and neutron diffraction studies. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9626-7	16.4	278
300	How can proteins enter the interior of a MOF? Investigation of cytochrome c translocation into a MOF consisting of mesoporous cages with microporous windows. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13188-91	16.4	270
299	Covalent Organic Frameworks as a Decorating Platform for Utilization and Affinity Enhancement of Chelating Sites for Radionuclide Sequestration. <i>Advanced Materials</i> , 2018 , 30, e1705479	24	266
298	Highly selective carbon dioxide uptake by [Cu(bpy-n) ₂ (SiF ₆)] (bpy-1 = 4,4'-bipyridine; bpy-2 = 1,2-bis(4-pyridyl)ethene). <i>Journal of the American Chemical Society</i> , 2012 , 134, 3663-6	16.4	263
297	A coordinatively linked Yb metal-organic framework demonstrates high thermal stability and uncommon gas-adsorption selectivity. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4130-3	16.4	260
296	Opportunities of Covalent Organic Frameworks for Advanced Applications. <i>Advanced Science</i> , 2019 , 6, 1801410	13.6	244
295	Predicting capacity of hard carbon anodes in sodium-ion batteries using porosity measurements. <i>Carbon</i> , 2014 , 76, 165-174	10.4	233
294	Metal-Organic Frameworks Based on Double-Bond-Coupled Di-Isophthalate Linkers with High Hydrogen and Methane Uptakes. <i>Chemistry of Materials</i> , 2008 , 20, 3145-3152	9.6	231
293	A Stable Metal-Organic Framework Featuring a Local Buffer Environment for Carbon Dioxide Fixation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4657-4662	16.4	222
292	A triply interpenetrated microporous metal-organic framework for selective sorption of gas molecules. <i>Inorganic Chemistry</i> , 2007 , 46, 8490-2	5.1	221
291	Metal-organic framework based upon the synergy of a Brønsted acid framework and Lewis acid centers as a highly efficient heterogeneous catalyst for fixed-bed reactions. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4243-8	16.4	212
290	Metal-organic frameworks with exceptionally high methane uptake: where and how is methane stored?. <i>Chemistry - A European Journal</i> , 2010 , 16, 5205-14	4.8	208

289	Pore Environment Control and Enhanced Performance of Enzymes Infiltrated in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 984-992	16.4	205
288	Bio-inspired nano-traps for uranium extraction from seawater and recovery from nuclear waste. <i>Nature Communications</i> , 2018 , 9, 1644	17.4	197
287	Biomimetic catalysis of a porous iron-based metal-metalloporphyrin framework. <i>Inorganic Chemistry</i> , 2012 , 51, 12600-2	5.1	194
286	Hydrogen adsorption in an interpenetrated dynamic metal-organic framework. <i>Inorganic Chemistry</i> , 2006 , 45, 5718-20	5.1	191
285	A metal-organic framework and conducting polymer based electrochemical sensor for high performance cadmium ion detection. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8385-8393	13	190
284	Efficient Mercury Capture Using Functionalized Porous Organic Polymer. <i>Advanced Materials</i> , 2017 , 29, 1700665	24	188
283	Recent advances in MOF-based photocatalysis: environmental remediation under visible light. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 300-339	6.8	188
282	A porous metal-metalloporphyrin framework featuring high-density active sites for chemical fixation of CO ₂ under ambient conditions. <i>Chemical Communications</i> , 2014 , 50, 5316-8	5.8	186
281	Toward a Visible Light-Driven Photocatalyst: The Effect of Midgap-States-Induced Energy Gap of Undoped TiO ₂ Nanoparticles. <i>ACS Catalysis</i> , 2015 , 5, 327-335	13.1	184
280	Microporous lanthanide metal-organic frameworks containing coordinatively linked interpenetration: syntheses, gas adsorption studies, thermal stability analysis, and photoluminescence investigation. <i>Inorganic Chemistry</i> , 2009 , 48, 2072-7	5.1	176
279	Functionalized metal-organic framework as a new platform for efficient and selective removal of cadmium(II) from aqueous solution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15292-15298	13	163
278	An unusual case of symmetry-preserving isomerism. <i>Chemical Communications</i> , 2010 , 46, 1329-31	5.8	153
277	Synthesis, characterization, and photoluminescence of isostructural Mn, Co, and Zn MOFs having a diamondoid structure with large tetrahedral cages and high thermal stability. <i>Chemical Communications</i> , 2005 , 2663-5	5.8	153
276	Functionalized Porous Aromatic Framework for Efficient Uranium Adsorption from Aqueous Solutions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12511-12517	9.5	148
275	Metal-cation-directed de novo assembly of a functionalized guest molecule in the nanospace of a metal-organic framework. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1202-5	16.4	148
274	Crystal engineering of a microporous, catalytically active fcu topology MOF using a custom-designed metalloporphyrin linker. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10082-5	16.4	141
273	Further investigation of the effect of framework catenation on hydrogen uptake in metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15896-902	16.4	141
272	Structural Engineering of Low-Dimensional Metal-Organic Frameworks: Synthesis, Properties, and Applications. <i>Advanced Science</i> , 2019 , 6, 1802373	13.6	138

271	Three-dimensional porous metal-metalloporphyrin framework consisting of nanoscopic polyhedral cages. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16322-5	16.4	138
270	Robust metal-organic framework enforced by triple-framework interpenetration exhibiting high H ₂ storage density. <i>Inorganic Chemistry</i> , 2008 , 47, 6825-8	5.1	138
269	Size-selective biocatalysis of myoglobin immobilized into a mesoporous metal-organic framework with hierarchical pore sizes. <i>Inorganic Chemistry</i> , 2012 , 51, 9156-8	5.1	132
268	Highly selective adsorption of ethylene over ethane in a MOF featuring the combination of open metal site and π -complexation. <i>Chemical Communications</i> , 2015 , 51, 2714-7	5.8	129
267	Lower Activation Energy for Catalytic Reactions through Host-Guest Cooperation within Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10107-10111	16.4	129
266	Ultramicroporous metal-organic framework based on 9,10-anthracenedicarboxylate for selective gas adsorption. <i>Inorganic Chemistry</i> , 2007 , 46, 8499-501	5.1	128
265	Tunability of band gaps in metal-organic frameworks. <i>Inorganic Chemistry</i> , 2012 , 51, 9039-44	5.1	123
264	Inserting CO ₂ into Aryl C-H Bonds of Metal-Organic Frameworks: CO ₂ Utilization for Direct Heterogeneous C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5472-6	16.4	122
263	Simultaneous Trapping of C H and C H from a Ternary Mixture of C H /C H /C H in a Robust Metal-Organic Framework for the Purification of C H. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16067-16071	16.4	121
262	Packaging and delivering enzymes by amorphous metal-organic frameworks. <i>Nature Communications</i> , 2019 , 10, 5165	17.4	119
261	Selective gas sorption within a dynamic metal-organic framework. <i>Inorganic Chemistry</i> , 2007 , 46, 8705-9	5.1	118
260	Incorporation of biomolecules in Metal-Organic Frameworks for advanced applications. <i>Coordination Chemistry Reviews</i> , 2019 , 384, 90-106	23.2	117
259	A porous covalent porphyrin framework with exceptional uptake capacity of saturated hydrocarbons for oil spill cleanup. <i>Chemical Communications</i> , 2013 , 49, 1533-5	5.8	117
258	Biomimetic catalysis of metal-organic frameworks. <i>Dalton Transactions</i> , 2016 , 45, 9744-53	4.3	116
257	Solvent-free preparation of nanosized sulfated zirconia with Brønsted acidic sites from a simple calcination. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 2567-72	3.4	113
256	Covalent Organic Frameworks with Chirality Enriched by Biomolecules for Efficient Chiral Separation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16754-16759	16.4	113
255	Metal-organic framework based on a trinickel secondary building unit exhibiting gas-sorption hysteresis. <i>Inorganic Chemistry</i> , 2007 , 46, 3432-4	5.1	112
254	Why does enzyme not leach from metal-organic frameworks (MOFs)? Unveiling the interactions between an enzyme molecule and a MOF. <i>Inorganic Chemistry</i> , 2014 , 53, 10006-8	5.1	109

253	Fabricating Covalent Organic Framework Capsules with Commodious Microenvironment for Enzymes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6675-6681	16.4	108
252	Reversible Switching between Highly Porous and Nonporous Phases of an Interpenetrated Diamondoid Coordination Network That Exhibits Gate-Opening at Methane Storage Pressures. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5684-5689	16.4	108
251	. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 1252-1261	11.9	108
250	Preparation and gas adsorption studies of three mesh-adjustable molecular sieves with a common structure. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6445-51	16.4	108
249	Imparting amphiphobicity on single-crystalline porous materials. <i>Nature Communications</i> , 2016 , 7, 13300	17.4	104
248	Porous Ionic Polymers as a Robust and Efficient Platform for Capture and Chemical Fixation of Atmospheric CO. <i>ChemSusChem</i> , 2017 , 10, 1160-1165	8.3	103
247	De Novo Design and Facile Synthesis of 2D Covalent Organic Frameworks: A Two-in-One Strategy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13822-13828	16.4	103
246	Combined Intrinsic and Extrinsic Proton Conduction in Robust Covalent Organic Frameworks for Hydrogen Fuel Cell Applications. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3678-3684	16.4	103
245	Post-synthetic modification of porphyrin-encapsulating metal-organic materials by cooperative addition of inorganic salts to enhance CO ₂ /CH ₄ selectivity. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9330-4	16.4	102
244	A bifunctional metal-organic framework featuring the combination of open metal sites and Lewis basic sites for selective gas adsorption and heterogeneous cascade catalysis. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15240-15246	13	101
243	Selective removal of cesium and strontium using porous frameworks from high level nuclear waste. <i>Chemical Communications</i> , 2016 , 52, 5940-2	5.8	101
242	Quantitative study of interactions between oxygen lone pair and aromatic rings: substituent effect and the importance of closeness of contact. <i>Journal of Organic Chemistry</i> , 2008 , 73, 689-93	4.2	100
241	Interpenetrating Metal-Metalloporphyrin Framework for Selective CO ₂ Uptake and Chemical Transformation of CO ₂ . <i>Inorganic Chemistry</i> , 2016 , 55, 7291-4	5.1	99
240	Fabrication of Highly Sensitive and Stable Hydroxylamine Electrochemical Sensor Based on Gold Nanoparticles and Metal-Metalloporphyrin Framework Modified Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18173-81	9.5	99
239	Integrating Superwettability within Covalent Organic Frameworks for Functional Coating. <i>Chem</i> , 2018 , 4, 1726-1739	16.2	99
238	Indium-Organic Frameworks Based on Dual Secondary Building Units Featuring Halogen-Decorated Channels for Highly Effective CO ₂ Fixation. <i>Chemistry of Materials</i> , 2019 , 31, 1084-1091	9.6	97
237	A molecular-level superhydrophobic external surface to improve the stability of metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18770-18776	13	96
236	Facile Approach to Graft Ionic Liquid into MOF for Improving the Efficiency of CO Chemical Fixation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27124-27130	9.5	94

235	A robust highly interpenetrated metal-organic framework constructed from pentanuclear clusters for selective sorption of gas molecules. <i>Inorganic Chemistry</i> , 2010 , 49, 8444-8	5.1	93
234	Antibodies@MOFs: An In Vitro Protective Coating for Preparation and Storage of Biopharmaceuticals. <i>Advanced Materials</i> , 2019 , 31, e1805148	24	93
233	A Metal-Organic Framework Based Methane Nano-trap for the Capture of Coal-Mine Methane. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10138-10141	16.4	92
232	Cucurbit[7]uril: an amorphous molecular material for highly selective carbon dioxide uptake. <i>Chemical Communications</i> , 2011 , 47, 7626-8	5.8	92
231	Microporous lanthanide metal-organic frameworks. <i>Reviews in Inorganic Chemistry</i> , 2012 , 32, 81-100	2.4	92
230	Dual functionalization of porous aromatic frameworks as a new platform for heterogeneous cascade catalysis. <i>Chemical Communications</i> , 2014 , 50, 8507-10	5.8	91
229	Gas adsorption applications of porous metal-organic frameworks. <i>Pure and Applied Chemistry</i> , 2009 , 81, 2235-2251	2.1	91
228	The coordination chemistry of N-heterocyclic carboxylic acid: A comparison of the coordination polymers constructed by 4,5-imidazoledicarboxylic acid and 1H-1,2,3-triazole-4,5-dicarboxylic acid. <i>Coordination Chemistry Reviews</i> , 2017 , 352, 108-150	23.2	89
227	Metal-Organic Frameworks for Enzyme Immobilization: Beyond Host Matrix Materials. <i>ACS Central Science</i> , 2020 , 6, 1497-1506	16.8	89
226	How Do Enzymes Orient When Trapped on Metal-Organic Framework (MOF) Surfaces?. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16032-16036	16.4	89
225	Vertex-directed self-assembly of a high symmetry supermolecular building block using a custom-designed porphyrin. <i>Chemical Science</i> , 2012 , 3, 2823	9.4	86
224	Quest for highly porous metal-metalloporphyrin framework based upon a custom-designed octatopic porphyrin ligand. <i>Chemical Communications</i> , 2012 , 48, 7173-5	5.8	85
223	Metal-Organic Framework Anchored with a Lewis Pair as a New Paradigm for Catalysis. <i>Chem</i> , 2018 , 4, 2587-2599	16.2	83
222	Heat-treatment of metal-organic frameworks for green energy applications. <i>CrystEngComm</i> , 2015 , 17, 10-22	3.3	81
221	Reducing CO ₂ to dense nanoporous graphene by Mg/Zn for high power electrochemical capacitors. <i>Nano Energy</i> , 2015 , 11, 600-610	17.1	78
220	A nanotubular metal-organic framework with permanent porosity: structure analysis and gas sorption studies. <i>Chemical Communications</i> , 2009 , 4049-51	5.8	78
219	A metal-metalloporphyrin framework based on an octatopic porphyrin ligand for chemical fixation of CO with aziridines. <i>Chemical Communications</i> , 2018 , 54, 1170-1173	5.8	78
218	Porous metal-organic frameworks based on an anthracene derivative: syntheses, structure analysis, and hydrogen sorption studies. <i>Inorganic Chemistry</i> , 2009 , 48, 5263-8	5.1	77

217	Removal of Pertechnetate-Related Oxyanions from Solution Using Functionalized Hierarchical Porous Frameworks. <i>Chemistry - A European Journal</i> , 2016 , 22, 17581-17584	4.8	77
216	PolyCOFs: A New Class of Freestanding Responsive Covalent Organic Framework Membranes with High Mechanical Performance. <i>ACS Central Science</i> , 2019 , 5, 1352-1359	16.8	75
215	Superhydrophobicity: Constructing Homogeneous Catalysts into Superhydrophobic Porous Frameworks to Protect Them from Hydrolytic Degradation. <i>CheM</i> , 2016 , 1, 628-639	16.2	75
214	Formation of a metalloporphyrin-based nanoreactor by postsynthetic metal-ion exchange of a polyhedral-cage containing a metal-metalloporphyrin framework. <i>Chemistry - A European Journal</i> , 2013 , 19, 3297-301	4.8	75
213	A pillared metal-organic framework incorporated with 1,2,3-triazole moieties exhibiting remarkable enhancement of CO ₂ uptake. <i>Chemical Communications</i> , 2012 , 48, 8898-900	5.8	73
212	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8670-8675	16.4	70
211	Novel coordination polymers of Zn(II) and Cd(II) tuned by different aromatic polycarboxylates: synthesis, structures and photocatalytic properties. <i>CrystEngComm</i> , 2014 , 16, 6408-6416	3.3	70
210	A new microporous carbon material synthesized via thermolysis of a porous aromatic framework embedded with an extra carbon source for low-pressure CO ₂ uptake. <i>Chemical Communications</i> , 2013 , 49, 10269-71	5.8	70
209	Tunable Synthesis of Hollow Metal-Nitrogen-Carbon Capsules for Efficient Oxygen Reduction Catalysis in Proton Exchange Membrane Fuel Cells. <i>ACS Nano</i> , 2019 , 13, 8087-8098	16.7	68
208	Investigation of gas adsorption performances and H ₂ affinities of porous metal-organic frameworks with different entatic metal centers. <i>Inorganic Chemistry</i> , 2009 , 48, 5398-402	5.1	68
207	Covalent Heme Framework as a Highly Active Heterogeneous Biomimetic Oxidation Catalyst. <i>Chemistry of Materials</i> , 2014 , 26, 1639-1644	9.6	67
206	Coordination-Driven Polymerization of Supramolecular Nanocages. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14873-6	16.4	67
205	RbjMk[Fe(CN) ₆]l (M = Co, Ni) Prussian Blue Analogue Hollow Nanocubes: a New Example of a Multilevel Pore System. <i>Chemistry of Materials</i> , 2013 , 25, 42-47	9.6	65
204	Boosting Catalytic Performance of Metal-Organic Framework by Increasing the Defects via a Facile and Green Approach. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34937-34943	9.5	65
203	Remote Stabilization of Copper Paddlewheel Based Molecular Building Blocks in Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2015 , 27, 2144-2151	9.6	64
202	Tailored Porous Organic Polymers for Task-Specific Water Purification. <i>Accounts of Chemical Research</i> , 2020 , 53, 812-821	24.3	64
201	Pore environment engineering in metal-organic frameworks for efficient ethane/ethylene separation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13585-13590	13	63
200	A bifunctional covalent organic framework as an efficient platform for cascade catalysis. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1310-1316	7.8	62

199	A large-surface-area boracite-network-topology porous MOF constructed from a conjugated ligand exhibiting a high hydrogen uptake capacity. <i>Inorganic Chemistry</i> , 2009 , 48, 7519-21	5.1	62
198	Fabrication of Light-Triggered Soft Artificial Muscles via a Mixed-Matrix Membrane Strategy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10192-10196	16.4	60
197	Siderophore-inspired chelator hijacks uranium from aqueous medium. <i>Nature Communications</i> , 2019 , 10, 819	17.4	58
196	Tuning Pore Heterogeneity in Covalent Organic Frameworks for Enhanced Enzyme Accessibility and Resistance against Denaturants. <i>Advanced Materials</i> , 2019 , 31, e1900008	24	57
195	Optimizing radionuclide sequestration in anion nanotraps with record pertechnetate sorption. <i>Nature Communications</i> , 2019 , 10, 1646	17.4	57
194	Programming Covalent Organic Frameworks for Photocatalysis: Investigation of Chemical and Structural Variations. <i>Matter</i> , 2020 , 2, 416-427	12.7	57
193	Opportunities of Porous Organic Polymers for Radionuclide Sequestration. <i>Trends in Chemistry</i> , 2019 , 1, 292-303	14.8	56
192	A MOF-based Ultra-Strong Acetylene Nano-trap for Highly Efficient C H /CO Separation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 5283-5288	16.4	56
191	Anchoring Triazole-Gold(I) Complex into Porous Organic Polymer To Boost the Stability and Reactivity of Gold(I) Catalyst. <i>ACS Catalysis</i> , 2017 , 7, 1087-1092	13.1	55
190	Anionic Metal-Organic Framework for Selective Dye Removal and CO ₂ Fixation. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4373-4377	2.3	55
189	A hierarchical porous ionic organic polymer as a new platform for heterogeneous phase transfer catalysis. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23871-23875	13	54
188	General Synthetic Strategy for Libraries of Supported Multicomponent Metal Nanoparticles. <i>ACS Nano</i> , 2018 , 12, 4594-4604	16.7	52
187	Reticular Synthesis of a Series of HKUST-like MOFs with Carbon Dioxide Capture and Separation. <i>Inorganic Chemistry</i> , 2016 , 55, 9071-6	5.1	51
186	Creation of a new type of ion exchange material for rapid, high-capacity, reversible and selective ion exchange without swelling and entrainment. <i>Chemical Science</i> , 2016 , 7, 2138-2144	9.4	51
185	Covalent Organic Framework Decorated with Vanadium as a New Platform for Prins Reaction and Sulfide Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3070-3079	9.5	51
184	Design Strategies to Enhance Amidoxime Chelators for Uranium Recovery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30919-30926	9.5	50
183	Pore surface engineering of covalent organic frameworks: structural diversity and applications. <i>Nanoscale</i> , 2019 , 11, 21679-21708	7.7	49
182	Robust Corrole-Based Metal-Organic Frameworks with Rare 9-Connected Zr/Hf-Oxo Clusters. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14443-14450	16.4	48

181	Promoting Frustrated Lewis Pairs for Heterogeneous Chemoselective Hydrogenation via the Tailored Pore Environment within Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7420-7424	16.4	47
180	Creating solvation environments in heterogeneous catalysts for efficient biomass conversion. <i>Nature Communications</i> , 2018 , 9, 3236	17.4	47
179	Two homochiral organocatalytic metal organic materials with nanoscopic channels. <i>Chemical Communications</i> , 2013 , 49, 7693-5	5.8	47
178	Porous double-walled metal triazolate framework based upon a bifunctional ligand and a pentanuclear zinc cluster exhibiting selective CO ₂ uptake. <i>Inorganic Chemistry</i> , 2012 , 51, 4423-5	5.1	47
177	Dual Functionalized Cages in Metal-Organic Frameworks via Stepwise Postsynthetic Modification. <i>Chemistry of Materials</i> , 2016 , 28, 4781-4786	9.6	45
176	Nanoporous Carbons Derived from Metal-Organic Frameworks as Novel Matrices for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Small</i> , 2016 , 12, 2057-66	11	44
175	Metal-Organic Framework Disintegrants: Enzyme Preparation Platforms with Boosted Activity. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16764-16769	16.4	43
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22	Beyond confined catalysis in porous materials. <i>National Science Review</i> , 2020 , 7, 994-995	10.8	1
21	A Corrole-Based Covalent Organic Framework Featuring Desymmetrized Topology. <i>Angewandte Chemie</i> , 2020 , 132, 4384-4389	3.6	1
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16	Efficient collection of perrhenate anions from water using poly(pyridinium salts) via pyrylium mediated transformation. <i>Polymer Chemistry</i> , 2022 , 13, 156-160	4.9	1
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