

## 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.

579 papers	68,047 citations	128 h-index	246 g-index
642 ext. papers	78,128 ext. citations	11.2 avg, IF	8.29 L-index

#	Paper	IF	Citations
579	Metal-organic framework materials as catalysts. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 1450-9	58.5	6514
578	Metal-organic framework materials as chemical sensors. <i>Chemical Reviews</i> , <b>2012</b> , 112, 1105-25	68.1	5438
577	Imparting functionality to a metal-organic framework material by controlled nanoparticle encapsulation. <i>Nature Chemistry</i> , <b>2012</b> , 4, 310-6	17.6	1549
576	2D Homologous Perovskites as Light-Absorbing Materials for Solar Cell Applications. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7843-50	16.4	1464
575	De novo synthesis of a metal-organic framework material featuring ultrahigh surface area and gas storage capacities. <i>Nature Chemistry</i> , <b>2010</b> , 2, 944-8	17.6	1350
574	Metal-organic framework materials with ultrahigh surface areas: is the sky the limit?. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15016-21	16.4	1210
573	Rational design, synthesis, purification, and activation of metal-organic framework materials. <i>Accounts of Chemical Research</i> , <b>2010</b> , 43, 1166-75	24.3	1127
572	Chemical, thermal and mechanical stabilities of metal-organic frameworks. <i>Nature Reviews Materials</i> , <b>2016</b> , 1,	73.3	1026
571	A facile synthesis of UiO-66, UiO-67 and their derivatives. <i>Chemical Communications</i> , <b>2013</b> , 49, 9449-51	5.8	1013
570	Large-scale screening of hypothetical metal-organic frameworks. <i>Nature Chemistry</i> , <b>2011</b> , 4, 83-9	17.6	882
569	Methane storage in metal-organic frameworks: current records, surprise findings, and challenges. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11887-94	16.4	701
568	Vapor-phase metalation by atomic layer deposition in a metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10294-7	16.4	659
567	Destruction of chemical warfare agents using metal-organic frameworks. <i>Nature Materials</i> , <b>2015</b> , 14, 512-6	27	647
566	Light-harvesting metal-organic frameworks (MOFs): efficient strut-to-strut energy transfer in bodipy and porphyrin-based MOFs. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15858-61	16.4	622
565	Beyond post-synthesis modification: evolution of metal-organic frameworks via building block replacement. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 5896-912	58.5	621
564	Metal-organic frameworks for the removal of toxic industrial chemicals and chemical warfare agents. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 3357-3385	58.5	557
563	Metal-organic frameworks for heavy metal removal from water. <i>Coordination Chemistry Reviews</i> , <b>2018</b> , 358, 92-107	23.2	516

562	Fe-Porphyrin-Based Metal-Organic Framework Films as High-Surface Concentration, Heterogeneous Catalysts for Electrochemical Reduction of CO <sub>2</sub> . <i>ACS Catalysis</i> , <b>2015</b> , 5, 6302-6309	13.1	509
561	A catalytically active, permanently microporous MOF with metalloporphyrin struts. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 4204-5	16.4	490
560	Postsynthetic Tuning of Metal-Organic Frameworks for Targeted Applications. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 805-813	24.3	488
559	Light-harvesting and ultrafast energy migration in porphyrin-based metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 862-9	16.4	461
558	Supercritical processing as a route to high internal surface areas and permanent microporosity in metal-organic framework materials. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 458-60	16.4	413
557	A hafnium-based metal-organic framework as an efficient and multifunctional catalyst for facile CO <sub>2</sub> fixation and regioselective and enantioselective epoxide activation. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15861-4	16.4	408
556	Computation-Ready, Experimental Metal-Organic Frameworks: A Tool To Enable High-Throughput Screening of Nanoporous Crystals. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 6185-6192	9.6	387
555	Active-site-accessible, porphyrinic metal-organic framework materials. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 5652-5	16.4	378
554	Perfluoroalkane functionalization of NU-1000 via solvent-assisted ligand incorporation: synthesis and CO <sub>2</sub> adsorption studies. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 16801-4	16.4	370
553	High propene/propane selectivity in isostructural metal-organic frameworks with high densities of open metal sites. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1857-60	16.4	348
552	Enhancement of CO <sub>2</sub> /N <sub>2</sub> selectivity in a metal-organic framework by cavity modification. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 2131		346
551	Metal-organic framework materials for light-harvesting and energy transfer. <i>Chemical Communications</i> , <b>2015</b> , 51, 3501-10	5.8	342
550	Best Practices for the Synthesis, Activation, and Characterization of Metal-Organic Frameworks. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 26-39	9.6	341
549	Coordination-chemistry control of proton conductivity in the iconic metal-organic framework material HKUST-1. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 51-4	16.4	328
548	Control over catenation in metal-organic frameworks via rational design of the organic building block. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 950-2	16.4	321
547	Carborane-based metal-organic frameworks as highly selective sorbents for CO(2) over methane. <i>Chemical Communications</i> , <b>2008</b> , 4135-7	5.8	319
546	Metal-adeninate vertices for the construction of an exceptionally porous metal-organic framework. <i>Nature Communications</i> , <b>2012</b> , 3, 604	17.4	312
545	Simple and compelling biomimetic metal-organic framework catalyst for the degradation of nerve agent simulants. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 497-501	16.4	306

- 544 Opening ZIF-8: a catalytically active zeolitic imidazolate framework of sodalite topology with unsubstituted linkers. *Journal of the American Chemical Society*, **2012**, 134, 18790-6 16.4 303
- 543 Energy transfer from quantum dots to metal-organic frameworks for enhanced light harvesting. *Journal of the American Chemical Society*, **2013**, 135, 955-8 16.4 294
- 542 Structure–Property relationships of porous materials for carbon dioxide separation and capture. *Energy and Environmental Science*, **2012**, 5, 9849 35.4 290
- 541 Post-synthesis alkoxide formation within metal-organic framework materials: a strategy for incorporating highly coordinatively unsaturated metal ions. *Journal of the American Chemical Society*, **2009**, 131, 3866-8 16.4 281
- 540 Solvent-assisted linker exchange: an alternative to the de novo synthesis of unattainable metal-organic frameworks. *Angewandte Chemie - International Edition*, **2014**, 53, 4530-40 16.4 280
- 539 Instantaneous hydrolysis of nerve-agent simulants with a six-connected zirconium-based metal-organic framework. *Angewandte Chemie - International Edition*, **2015**, 54, 6795-9 16.4 277
- 538 Thin Films and Solar Cells Based on Semiconducting Two-Dimensional Ruddlesden–Popper  $(\text{CH}_3(\text{CH}_2)_3\text{NH}_3)_2(\text{CH}_3\text{NH}_3)_n\text{SnI}_{3n+1}$  Perovskites. *ACS Energy Letters*, **2017**, 2, 982-990 20.1 274
- 537 High efficiency adsorption and removal of selenate and selenite from water using metal-organic frameworks. *Journal of the American Chemical Society*, **2015**, 137, 7488-94 16.4 265
- 536 Identifying the Recognition Site for Selective Trapping of TcO in a Hydrolytically Stable and Radiation Resistant Cationic Metal-Organic Framework. *Journal of the American Chemical Society*, **2017**, 139, 14873-14876 16.4 263
- 535 Urea metal-organic frameworks as effective and size-selective hydrogen-bond catalysts. *Journal of the American Chemical Society*, **2012**, 134, 3334-7 16.4 260
- 534 Synthesis, Properties, and Gas Separation Studies of a Robust Diimide-Based Microporous Organic Polymer. *Chemistry of Materials*, **2009**, 21, 3033-3035 9.6 252
- 533 Ultrahigh surface area zirconium MOFs and insights into the applicability of the BET theory. *Journal of the American Chemical Society*, **2015**, 137, 3585-91 16.4 249
- 532 Synthesis and hydrogen sorption properties of carborane based metal-organic framework materials. *Journal of the American Chemical Society*, **2007**, 129, 12680-1 16.4 244
- 531 Encapsulation of a Nerve Agent Detoxifying Enzyme by a Mesoporous Zirconium Metal-Organic Framework Engenders Thermal and Long-Term Stability. *Journal of the American Chemical Society*, **2016**, 138, 8052-5 16.4 240
- 530 Remnant  $\text{PbI}_2$ , an unforeseen necessity in high-efficiency hybrid perovskite-based solar cells? *APL Materials*, **2014**, 2, 091101 5.7 238
- 529 Transmetalation: routes to metal exchange within metal–organic frameworks. *Journal of Materials Chemistry A*, **2013**, 1, 5453 13 234
- 528 Catalytic Zirconium/Hafnium-Based Metal–Organic Frameworks. *ACS Catalysis*, **2017**, 7, 997-1014 13.1 233
- 527 Sintering-Resistant Single-Site Nickel Catalyst Supported by Metal-Organic Framework. *Journal of the American Chemical Society*, **2016**, 138, 1977-82 16.4 233

526	Acid-Resistant Mesoporous Metal-Organic Framework toward Oral Insulin Delivery: Protein Encapsulation, Protection, and Release. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 5678-5681	16.4	228
525	Bottom-up construction of a superstructure in a porous uranium-organic crystal. <i>Science</i> , <b>2017</b> , 356, 624-627	33.3	223
524	Are Zr-based MOFs water stable? Linker hydrolysis vs. capillary-force-driven channel collapse. <i>Chemical Communications</i> , <b>2014</b> , 50, 8944-6	5.8	223
523	Layer-by-layer fabrication of oriented porous thin films based on porphyrin-containing metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15698-701	16.4	221
522	Directed growth of electroactive metal-organic framework thin films using electrophoretic deposition. <i>Advanced Materials</i> , <b>2014</b> , 26, 6295-300	24	219
521	Post-synthesis modification of a metal-organic framework to form metallosalen-containing MOF materials. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 13252-5	16.4	219
520	Room-Temperature Synthesis of UiO-66 and Thermal Modulation of Densities of Defect Sites. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1357-1361	9.6	217
519	Temperature Treatment of Highly Porous Zirconium-Containing Metal-Organic Frameworks Extends Drug Delivery Release. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7522-7532	16.4	216
518	Balancing volumetric and gravimetric uptake in highly porous materials for clean energy. <i>Science</i> , <b>2020</b> , 368, 297-303	33.3	215
517	Exploiting parameter space in MOFs: a 20-fold enhancement of phosphate-ester hydrolysis with UiO-66-NH. <i>Chemical Science</i> , <b>2015</b> , 6, 2286-2291	9.4	212
516	Kinetic separation of propene and propane in metal-organic frameworks: controlling diffusion rates in plate-shaped crystals via tuning of pore apertures and crystallite aspect ratios. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 5228-31	16.4	211
515	Incorporation of an A1/A2-difunctionalized pillar[5]arene into a metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 17436-9	16.4	209
514	Selective bifunctional modification of a non-catenated metal-organic framework material via "click" chemistry. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 13613-5	16.4	209
513	Catalytic degradation of chemical warfare agents and their simulants by metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 346, 101-111	23.2	206
512	Methane Oxidation to Methanol Catalyzed by Cu-Oxo Clusters Stabilized in NU-1000 Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10294-10301	16.4	203
511	Gram-scale, high-yield synthesis of a robust metal-organic framework for storing methane and other gases. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 1158	35.4	203
510	Defining the Proton Topology of the Zr <sub>6</sub> -Based Metal-Organic Framework NU-1000. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3716-23	6.4	197
509	Reticular chemistry in the rational synthesis of functional zirconium cluster-based MOFs. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 386, 32-49	23.2	194

508	A porous proton-relaying metal-organic framework material that accelerates electrochemical hydrogen evolution. <i>Nature Communications</i> , <b>2015</b> , 6, 8304	17.4	194
507	Evaluation of Brønsted acidity and proton topology in Zr- and Hf-based metal-organic frameworks using potentiometric acid-base titration. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1479-1485	13	194
506	Mechanochemical and solvent-free assembly of zirconium-based metal-organic frameworks. <i>Chemical Communications</i> , <b>2016</b> , 52, 2133-6	5.8	194
505	Metal-Organic Framework Thin Films Composed of Free-Standing Acicular Nanorods Exhibiting Reversible Electrochromism. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 5012-5017	9.6	194
504	Scalable synthesis and post-modification of a mesoporous metal-organic framework called NU-1000. <i>Nature Protocols</i> , <b>2016</b> , 11, 149-62	18.8	192
503	Metal-organic framework nodes as nearly ideal supports for molecular catalysts: NU-1000- and UiO-66-supported iridium complexes. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7391-6	16.4	192
502	Enzyme encapsulation in metal-organic frameworks for applications in catalysis. <i>CrystEngComm</i> , <b>2017</b> , 19, 4082-4091	3.3	191
501	Metal-Organic Frameworks against Toxic Chemicals. <i>Chemical Reviews</i> , <b>2020</b> , 120, 8130-8160	68.1	191
500	Toward solar fuels: Water splitting with sunlight and $\text{H}_2\text{S}$ . <i>Coordination Chemistry Reviews</i> , <b>2012</b> , 256, 2521-2529	23.2	190
499	Hierarchically Engineered Mesoporous Metal-Organic Frameworks toward Cell-free Immobilized Enzyme Systems. <i>Chem</i> , <b>2018</b> , 4, 1022-1034	16.2	187
498	Selective Photooxidation of a Mustard-Gas Simulant Catalyzed by a Porphyrinic Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9001-5	16.4	186
497	An interpenetrated framework material with hysteretic $\text{CO}_2$ uptake. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 276-81	4.8	186
496	Activation of metal-organic framework materials. <i>CrystEngComm</i> , <b>2013</b> , 15, 9258	3.3	185
495	Engineering ZIF-8 thin films for hybrid MOF-based devices. <i>Advanced Materials</i> , <b>2012</b> , 24, 3970-4	24	185
494	Metal-Organic Framework-Based Catalysts: Chemical Fixation of $\text{CO}_2$ with Epoxides Leading to Cyclic Organic Carbonates. <i>Frontiers in Energy Research</i> , <b>2015</b> , 2,	3.8	184
493	A metal-organic framework-based material for electrochemical sensing of carbon dioxide. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8277-82	16.4	181
492	Ni(III)/(IV) bis(dicarbollide) as a fast, noncorrosive redox shuttle for dye-sensitized solar cells. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4580-2	16.4	181
491	Metal-Organic Framework Supported Cobalt Catalysts for the Oxidative Dehydrogenation of Propane at Low Temperature. <i>ACS Central Science</i> , <b>2017</b> , 3, 31-38	16.8	178



490	Dual-Function Metal-Organic Framework as a Versatile Catalyst for Detoxifying Chemical Warfare Agent Simulants. <i>ACS Nano</i> , <b>2015</b> , 9, 12358-64	16.7	176
489	Vanadium-Node-Functionalized UiO-66: A Thermally Stable MOF-Supported Catalyst for the Gas-Phase Oxidative Dehydrogenation of Cyclohexene. <i>ACS Catalysis</i> , <b>2014</b> , 4, 2496-2500	13.1	174
488	Copper Metal-Organic Framework Nanoparticles Stabilized with Folic Acid Improve Wound Healing in Diabetes. <i>ACS Nano</i> , <b>2018</b> , 12, 1023-1032	16.7	173
487	An Exceptionally Stable Metal-Organic Framework Supported Molybdenum(VI) Oxide Catalyst for Cyclohexene Epoxidation. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14720-14726	16.4	172
486	Designing higher surface area metal-organic frameworks: are triple bonds better than phenyls?. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9860-3	16.4	170
485	Outer-Sphere Redox Couples as Shuttles in Dye-Sensitized Solar Cells. Performance Enhancement Based on Photoelectrode Modification via Atomic Layer Deposition. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 19756-19764	3.8	165
484	In silico discovery of metal-organic frameworks for precombustion CO capture using a genetic algorithm. <i>Science Advances</i> , <b>2016</b> , 2, e1600909	14.3	164
483	Versatile functionalization of the NU-1000 platform by solvent-assisted ligand incorporation. <i>Chemical Communications</i> , <b>2014</b> , 50, 1965-8	5.8	164
482	Melt-Quenched Glasses of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3484-92	16.4	161
481	Turning on catalysis: incorporation of a hydrogen-bond-donating squaramide moiety into a Zr metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 919-25	16.4	159
480	Computational Design of Metal-Organic Frameworks Based on Stable Zirconium Building Units for Storage and Delivery of Methane. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 5632-5639	9.6	158
479	A historical overview of the activation and porosity of metal-organic frameworks. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 7406-7427	58.5	158
478	Synthesis of catalytically active porous organic polymers from metalloporphyrin building blocks. <i>Chemical Science</i> , <b>2011</b> , 2, 686	9.4	157
477	Nanosizing a Metal-Organic Framework Enzyme Carrier for Accelerating Nerve Agent Hydrolysis. <i>ACS Nano</i> , <b>2016</b> , 10, 9174-9182	16.7	157
476	Synthesis of nanocrystals of Zr-based metal-organic frameworks with csq-net: significant enhancement in the degradation of a nerve agent simulant. <i>Chemical Communications</i> , <b>2015</b> , 51, 10925-8	5.8	155
475	Framework-Topology-Dependent Catalytic Activity of Zirconium-Based (Porphinato)zinc(II) MOFs. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14449-14457	16.4	151
474	TcO remediation by a cationic polymeric network. <i>Nature Communications</i> , <b>2018</b> , 9, 3007	17.4	151
473	Evaluating topologically diverse metal-organic frameworks for cryo-adsorbed hydrogen storage. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 3279-3289	35.4	151

472	Synthesis and characterization of isostructural cadmium zeolitic imidazolate frameworks via solvent-assisted linker exchange. <i>Chemical Science</i> , <b>2012</b> , 3, 3256	9.4	148
471	Fabrication of metal-organic framework-containing silica-colloidal crystals for vapor sensing. <i>Advanced Materials</i> , <b>2011</b> , 23, 4449-52	24	148
470	Catalytic applications of enzymes encapsulated in metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 381, 151-160	23.2	146
469	Atomically Precise Growth of Catalytically Active Cobalt Sulfide on Flat Surfaces and within a Metal-Organic Framework via Atomic Layer Deposition. <i>ACS Nano</i> , <b>2015</b> , 9, 8484-90	16.7	145
468	Application of Consistency Criteria To Calculate BET Areas of Micro- And Mesoporous Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 215-24	16.4	145
467	In Situ Monitoring and Mechanism of the Mechanochemical Formation of a Microporous MOF-74 Framework. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2929-32	16.4	143
466	A Zn-based, pillared paddlewheel MOF containing free carboxylic acids via covalent post-synthesis elaboration. <i>Chemical Communications</i> , <b>2009</b> , 3720-2	5.8	142
465	Design and Synthesis of a Water-Stable Anionic Uranium-Based Metal-Organic Framework (MOF) with Ultra Large Pores. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10358-62	16.4	141
464	MOF functionalization via solvent-assisted ligand incorporation: phosphonates vs carboxylates. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 2185-92	5.1	140
463	A click-based porous organic polymer from tetrahedral building blocks. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 1700		139
462	Porphyrin-based metal-organic framework thin films for electrochemical nitrite detection. <i>Electrochemistry Communications</i> , <b>2015</b> , 58, 51-56	5.1	138
461	Probing the correlations between the defects in metal-organic frameworks and their catalytic activity by an epoxide ring-opening reaction. <i>Chemical Communications</i> , <b>2016</b> , 52, 7806-9	5.8	138
460	DNA-Functionalized Metal-Organic Framework Nanoparticles for Intracellular Delivery of Proteins. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2215-2219	16.4	136
459	Enhanced catalytic activity through the tuning of micropore environment and supercritical CO <sub>2</sub> processing: Al(porphyrin)-based porous organic polymers for the degradation of a nerve agent simulant. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11720-3	16.4	134
458	Chemical reduction of a diimide based porous polymer for selective uptake of carbon dioxide versus methane. <i>Chemical Communications</i> , <b>2010</b> , 46, 1056-8	5.8	134
457	Tailoring the Pore Size and Functionality of UiO-Type Metal-Organic Frameworks for Optimal Nerve Agent Destruction. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 9684-6	5.1	132
456	The dual capture of As and As by UiO-66 and analogues. <i>Chemical Science</i> , <b>2016</b> , 7, 6492-6498	9.4	132
455	Solvent-assisted linker exchange (SALE) and post-assembly metallation in porphyrinic metal-organic framework materials. <i>Chemical Science</i> , <b>2013</b> , 4, 1509	9.4	130



454	Single-Atom-Based Vanadium Oxide Catalysts Supported on Metal-Organic Frameworks: Selective Alcohol Oxidation and Structure-Activity Relationship. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 8652-8656	16.4	130
453	Tuning Zr6 Metal-Organic Framework (MOF) Nodes as Catalyst Supports: Site Densities and Electron-Donor Properties Influence Molecular Iridium Complexes as Ethylene Conversion Catalysts. <i>ACS Catalysis</i> , <b>2016</b> , 6, 235-247	13.1	128
452	Separation of gas mixtures using Co(II) carborane-based porous coordination polymers. <i>Chemical Communications</i> , <b>2010</b> , 46, 3478-80	5.8	128
451	Simultaneously high gravimetric and volumetric methane uptake characteristics of the metal-organic framework NU-111. <i>Chemical Communications</i> , <b>2013</b> , 49, 2992-4	5.8	127
450	Metal-Organic Framework Thin Films as Platforms for Atomic Layer Deposition of Cobalt Ions To Enable Electrocatalytic Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 28223-30	9.5	126
449	Ultraporous, Water Stable, and Breathing Zirconium-Based Metal-Organic Frameworks with ftw Topology. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13183-90	16.4	125
448	Water-stable zirconium-based metal-organic framework material with high-surface area and gas-storage capacities. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 12389-93	4.8	124
447	Using nature's blueprint to expand catalysis with Earth-abundant metals. <i>Science</i> , <b>2020</b> , 369,	33.3	124
446	Gas-sorption properties of cobalt(II)-carborane-based coordination polymers as a function of morphology. <i>Small</i> , <b>2009</b> , 5, 1727-31	11	123
445	Toward Inexpensive Photocatalytic Hydrogen Evolution: A Nickel Sulfide Catalyst Supported on a High-Stability Metal-Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 20675-81	9.5	121
444	Control over Catenation in Pillared Paddlewheel Metal-Organic Framework Materials via Solvent-Assisted Linker Exchange. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 739-744	9.6	120
443	Tuning the Surface Chemistry of Metal Organic Framework Nodes: Proton Topology of the Metal-Oxide-Like Zr Nodes of UiO-66 and NU-1000. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15189-15196	16.4	119
442	Selective isolation of gold facilitated by second-sphere coordination with $\beta$ -cyclodextrin. <i>Nature Communications</i> , <b>2013</b> , 4, 1855	17.4	119
441	A porous, electrically conductive hexa-zirconium(iv) metal-organic framework. <i>Chemical Science</i> , <b>2018</b> , 9, 4477-4482	9.4	118
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