

Seth Cohen

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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.

270 papers	24,075 citations	78 h-index	149 g-index
318 ext. papers	26,577 ext. citations	9.2 avg, IF	7.91 L-index

#	Paper	IF	Citations
270	Postsynthetic methods for the functionalization of metal-organic frameworks. <i>Chemical Reviews</i> , 2012 , 112, 970-1000	68.1	1744
269	Postsynthetic modification of metal-organic frameworks. <i>Chemical Society Reviews</i> , 2009 , 38, 1315-29	58.5	1573
268	Postsynthetic modification of metal-organic frameworks--a progress report. <i>Chemical Society Reviews</i> , 2011 , 40, 498-519	58.5	936
267	Postsynthetic ligand and cation exchange in robust metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18082-8	16.4	606
266	Isorecticular synthesis and modification of frameworks with the UiO-66 topology. <i>Chemical Communications</i> , 2010 , 46, 7700-2	5.8	584
265	Postsynthetic covalent modification of a neutral metal-organic framework. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12368-9	16.4	516
264	Enhanced photochemical hydrogen production by a molecular diiron catalyst incorporated into a metal-organic framework. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16997-7003	16.4	437
263	Metal-organic frameworks for membrane-based separations. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	434
262	Cisplatin: from DNA damage to cancer chemotherapy. <i>Progress in Molecular Biology and Translational Science</i> , 2001 , 67, 93-130		428
261	Moisture-resistant and superhydrophobic metal-organic frameworks obtained via postsynthetic modification. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4560-1	16.4	420
260	Stable lanthanide luminescence agents highly emissive in aqueous solution: multidentate 2-hydroxyisophthalamide complexes of Sm(3+), Eu(3+), Tb(3+), Dy(3+). <i>Journal of the American Chemical Society</i> , 2003 , 125, 13324-5	16.4	404
259	Tuning the adsorption properties of UiO-66 via ligand functionalization. <i>Langmuir</i> , 2012 , 28, 15606-13	4	388
258	Topological control in heterometallic metal-organic frameworks by anion templating and metalloligand design. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15255-68	16.4	365
257	Postsynthetic ligand exchange as a route to functionalization of inert metal-organic frameworks. <i>Chemical Science</i> , 2012 , 3, 126-130	9.4	357
256	Systematic functionalization of a metal-organic framework via a postsynthetic modification approach. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8508-17	16.4	335
255	The Postsynthetic Renaissance in Porous Solids. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2855-2863	16.4	311
254	In Situ Modification of Metal-Organic Frameworks in Mixed-Matrix Membranes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9029-32	16.4	306

253	Modifying MOFs: new chemistry, new materials. <i>Chemical Science</i> , 2010 , 1, 32	9.4	281
252	Photocatalytic CO ₂ reduction by a mixed metal (Zr/Ti), mixed ligand metal-organic framework under visible light irradiation. <i>Chemical Communications</i> , 2015 , 51, 5735-8	5.8	271
251	Discovery, development, and functionalization of Zr(IV)-based metal-organic frameworks. <i>CrystEngComm</i> , 2012 , 14, 4096-4104	3.3	253
250	MOF-Polymer Hybrid Materials: From Simple Composites to Tailored Architectures. <i>Chemical Reviews</i> , 2020 , 120, 8267-8302	68.1	247
249	Photocatalytic CO ₂ Reduction to Formate Using a Mn(II) Molecular Catalyst in a Robust Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2015 , 54, 6821-8	5.1	246
248	Mediation of Drosophila head development by gap-like segmentation genes. <i>Nature</i> , 1990 , 346, 482-5	50.4	246
247	Brilliant Sm, Eu, Tb, and Dy chiral lanthanide complexes with strong circularly polarized luminescence. <i>Journal of the American Chemical Society</i> , 2007 , 129, 77-83	16.4	244
246	Reusable oxidation catalysis using metal-monocatecholato species in a robust metal-organic framework. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4965-73	16.4	227
245	Engineering a metal-organic framework catalyst by using postsynthetic modification. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7424-7	16.4	220
244	Accessing postsynthetic modification in a series of metal-organic frameworks and the influence of framework topology on reactivity. <i>Inorganic Chemistry</i> , 2009 , 48, 296-306	5.1	213
243	Metalation of a thiocatechol-functionalized Zr(IV)-based metal-organic framework for selective C-H functionalization. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2191-4	16.4	210
242	Tandem modification of metal-organic frameworks by a postsynthetic approach. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4699-702	16.4	207
241	Modulating metal-organic frameworks to breathe: a postsynthetic covalent modification approach. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16675-7	16.4	199
240	To bind zinc or not to bind zinc: an examination of innovative approaches to improved metalloproteinase inhibition. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010 , 1803, 72-94	4.9	199
239	Polymer-Metal-Organic Frameworks (polyMOFs) as Water Tolerant Materials for Selective Carbon Dioxide Separations. <i>Journal of the American Chemical Society</i> , 2016 , 138, 920-5	16.4	184
238	Tandem postsynthetic metal ion and ligand exchange in zeolitic imidazolate frameworks. <i>Inorganic Chemistry</i> , 2013 , 52, 4011-6	5.1	184
237	Postsynthetic modification: a versatile approach toward multifunctional metal-organic frameworks. <i>Inorganic Chemistry</i> , 2009 , 48, 7341-9	5.1	180
236	A robust, catalytic metal-organic framework with open 2,2'-bipyridine sites. <i>Chemical Communications</i> , 2014 , 50, 4810-2	5.8	176

- 235 polyMOFs: A Class of Interconvertible Polymer-Metal-Organic-Framework Hybrid Materials. *Angewandte Chemie - International Edition*, **2015**, 54, 6152-7 16.4 159
- 234 Observing the growth of metal-organic frameworks by in situ liquid cell transmission electron microscopy. *Journal of the American Chemical Society*, **2015**, 137, 7322-8 16.4 155
- 233 Photochemical activation of a metal-organic framework to reveal functionality. *Angewandte Chemie - International Edition*, **2010**, 49, 9730-3 16.4 145
- 232 New beginnings for matrix metalloproteinase inhibitors: identification of high-affinity zinc-binding groups. *Journal of the American Chemical Society*, **2004**, 126, 8388-9 16.4 139
- 231 Heterometallic metal-organic frameworks based on tris(dipyrrinato) coordination complexes. *Inorganic Chemistry*, **2005**, 44, 486-8 5.1 138
- 230 MIL-101(Fe) as a lithium-ion battery electrode material: a relaxation and intercalation mechanism during lithium insertion. *Journal of Materials Chemistry A*, **2015**, 3, 4738-4744 13 130
- 229 Tuning hydrogen sorption properties of metal-organic frameworks by postsynthetic covalent modification. *Chemistry - A European Journal*, **2010**, 16, 212-7 4.8 126
- 228 Rare examples of transition-metal-main-group metal heterometallic metal-organic frameworks from gallium and indium dipyrrinato complexes and silver salts: synthesis and framework variability. *Inorganic Chemistry*, **2007**, 46, 11213-23 5.1 116
- 227 The design of inhibitors for medicinally relevant metalloproteins. *ChemMedChem*, **2007**, 2, 152-71 3.7 116
- 226 Enhanced aging properties of HKUST-1 in hydrophobic mixed-matrix membranes for ammonia adsorption. *Chemical Science*, **2016**, 7, 2711-2716 9.4 115
- 225 Self-assembly of two distinct supramolecular motifs in a single crystalline framework. *Angewandte Chemie - International Edition*, **2004**, 43, 2385-8 16.4 115
- 224 Covalent modification of a metal-organic framework with isocyanates: probing substrate scope and reactivity. *Chemical Communications*, **2008**, 3366-8 5.8 112
- 223 Zinc-binding groups modulate selective inhibition of MMPs. *ChemMedChem*, **2008**, 3, 812-20 3.7 110
- 222 Photocatalytic metal-organic frameworks for the aerobic oxidation of arylboronic acids. *Chemical Communications*, **2015**, 51, 9880-3 5.8 109
- 221 Enantiopure vs. racemic metalloligands: impact on metal-organic framework structure and synthesis. *Chemical Communications*, **2007**, 4881-3 5.8 109
- 220 Targeting Metalloenzymes for Therapeutic Intervention. *Chemical Reviews*, **2019**, 119, 1323-1455 68.1 109
- 219 Generating reactive MILs: isocyanate- and isothiocyanate-bearing MILs through postsynthetic modification. *Angewandte Chemie - International Edition*, **2010**, 49, 4644-8 16.4 108
- 218 Luminescent dipyrrinato complexes of trivalent group 13 metal ions. *Inorganic Chemistry*, **2006**, 45, 10683-97 10.8 108

217	Understanding the origins of metal-organic framework/polymer compatibility. <i>Chemical Science</i> , 2018 , 9, 315-324	9.4	107
216	Identifying chelators for metalloprotein inhibitors using a fragment-based approach. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 591-602	8.3	106
215	Evaluation of heterogeneous metal-organic framework organocatalysts prepared by postsynthetic modification. <i>Inorganic Chemistry</i> , 2010 , 49, 8086-91	5.1	105
214	Photocatalytic Metal-Organic Frameworks for Selective 2,2,2-Trifluoroethylation of Styrenes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12320-3	16.4	102
213	A chiral, heterometallic metal-organic framework derived from a tris(chelate) coordination complex. <i>Chemical Communications</i> , 2005 , 5506-8	5.8	100
212	Examination of novel zinc-binding groups for use in matrix metalloproteinase inhibitors. <i>Inorganic Chemistry</i> , 2003 , 42, 3423-30	5.1	100
211	Postsynthetic Modification: An Enabling Technology for the Advancement of Metal-Organic Frameworks. <i>ACS Central Science</i> , 2020 , 6, 1046-1057	16.8	99
210	From sensors to silencers: quinoline- and benzimidazole-sulfonamides as inhibitors for zinc proteases. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8232-3	16.4	98
209	Photocatalytic metal-organic frameworks for organic transformations. <i>CrystEngComm</i> , 2017 , 19, 4126-4136	13.6	97
208	Hydrogen peroxide activated matrix metalloproteinase inhibitors: a prodrug approach. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6795-7	16.4	96
207	Photocatalytic CO ₂ reduction using visible light by metal-monocatecholato species in a metal-organic framework. <i>Chemical Communications</i> , 2015 , 51, 16549-52	5.8	95
206	Dipicolinic Acid Derivatives as Inhibitors of New Delhi Metallo- β -lactamase-1. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 7267-7283	8.3	94
205	Functionalization of robust Zr(IV)-based metal-organic framework films via a postsynthetic ligand exchange. <i>Chemical Communications</i> , 2015 , 51, 66-9	5.8	93
204	Nylon-MOF Composites through Postsynthetic Polymerization. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2336-2340	16.4	90
203	Metal binding studies and EPR spectroscopy of the manganese transport regulator MntR. <i>Biochemistry</i> , 2006 , 45, 15359-72	3.2	89
202	Capzimin is a potent and specific inhibitor of proteasome isopeptidase Rpn11. <i>Nature Chemical Biology</i> , 2017 , 13, 486-493	11.7	88
201	Modular, active, and robust Lewis acid catalysts supported on a metal-organic framework. <i>Inorganic Chemistry</i> , 2010 , 49, 6766-74	5.1	88
200	New approaches for medicinal applications of bioinorganic chemistry. <i>Current Opinion in Chemical Biology</i> , 2007 , 11, 115-20	9.7	88

- 199 Heteroleptic copper dipyrromethene complexes: synthesis, structure, and coordination polymers. *Inorganic Chemistry*, **2004**, 43, 1242-9 5.1 88
- 198 Development of a UiO-Type Thin Film Electrocatalysis Platform with Redox-Active Linkers. *Journal of the American Chemical Society*, **2018**, 140, 2985-2994 16.4 84
- 197 Postsynthetic diazeniumdiolate formation and NO release from MOFs. *CrystEngComm*, **2010**, 12, 2335 3.3 83
- 196 Syntheses and relaxation properties of mixed gadolinium hydroxypyridinonate MRI contrast agents. *Inorganic Chemistry*, **2000**, 39, 5747-56 5.1 83
- 195 Toward "metalloMOFzymes": Metal-Organic Frameworks with Single-Site Metal Catalysts for Small-Molecule Transformations. *Inorganic Chemistry*, **2016**, 55, 7281-90 5.1 82
- 194 Synthesis, breathing, and gas sorption study of the first isorecticular mixed-linker phosphonate based metal-organic frameworks. *Chemical Communications*, **2013**, 49, 1315-7 5.8 80
- 193 Metal-Organic Frameworks as Micromotors with Tunable Engines and Brakes. *Journal of the American Chemical Society*, **2017**, 139, 611-614 16.4 79
- 192 Investigating the selectivity of metalloenzyme inhibitors. *Journal of Medicinal Chemistry*, **2013**, 56, 7997-8007 7.8 78
- 191 Potent, selective pyrone-based inhibitors of stromelysin-1. *Journal of the American Chemical Society*, **2005**, 127, 14148-9 16.4 78
- 190 A new role for old ligands: discerning chelators for zinc metalloproteinases. *Journal of the American Chemical Society*, **2006**, 128, 3156-7 16.4 77
- 189 Enterobactin Protonation and Iron Release: Hexadentate Tris-Salicylate Ligands as Models for Triprotonated Ferric Enterobactin1. *Journal of the American Chemical Society*, **1998**, 120, 6277-6286 16.4 76
- 188 Supramolecular Metallopolymers: From Linear Materials to Infinite Networks. *Angewandte Chemie - International Edition*, **2018**, 57, 14992-15001 16.4 76
- 187 Pressure promoted low-temperature melting of metal-organic frameworks. *Nature Materials*, **2019**, 18, 370-376 27 74
- 186 Efficient microwave assisted synthesis of metal-organic framework UiO-66: optimization and scale up. *Dalton Transactions*, **2015**, 44, 14019-26 4.3 74
- 185 Elucidating drug-metalloprotein interactions with tris(pyrazolyl)borate model complexes. *Inorganic Chemistry*, **2002**, 41, 5075-82 5.1 73
- 184 Effects of spectator ligands on the specific recognition of intrastrand platinum-DNA cross-links by high mobility group box and TATA-binding proteins. *Journal of Biological Chemistry*, **2001**, 276, 38774-80 5.4 71
- 183 Microwave-assisted cyanation of an aryl bromide directly on a metal-organic framework. *Inorganic Chemistry*, **2011**, 50, 729-31 5.1 69
- 182 Self-assembly of heteroleptic [Cu(dipyrinato)(hfacac)] complexes directed by fluorine-fluorine interactions. *Inorganic Chemistry*, **2005**, 44, 4139-41 5.1 69

181	A bioinorganic perspective on matrix metalloproteinase inhibition. <i>Current Topics in Medicinal Chemistry</i> , 2004 , 4, 1551-73	3	68
180	Postsynthetic modification at orthogonal reactive sites on mixed, bifunctional metal-organic frameworks. <i>Chemical Communications</i> , 2011 , 47, 7629-31	5.8	67
179	Heterocyclic zinc-binding groups for use in next-generation matrix metalloproteinase inhibitors: potency, toxicity, and reactivity. <i>Journal of Biological Inorganic Chemistry</i> , 2006 , 11, 131-8	3.7	67
178	Polymer Infiltration into Metal-Organic Frameworks in Mixed-Matrix Membranes Detected in Situ by NMR. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7589-7595	16.4	66
177	Structural dynamics inside a functionalized metal-organic framework probed by ultrafast 2D IR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18442-7	11.5	65
176	Synthesis, structure, and spectroscopy of phenylacetylenylene rods incorporating meso-substituted dipyrin ligands. <i>Chemistry - A European Journal</i> , 2003 , 9, 4661-9	4.8	64
175	A bifunctional, site-isolated metal-organic framework-based tandem catalyst. <i>Inorganic Chemistry</i> , 2015 , 54, 3134-8	5.1	61
174	High-Yield Synthesis of the Enterobactin Trilactone and Evaluation of Derivative Siderophore Analogs1. <i>Journal of the American Chemical Society</i> , 1997 , 119, 10093-10103	16.4	61
173	Synthesis and metal binding properties of salicylate-, catecholate-, and hydroxypyridinonate-functionalized dendrimers. <i>Chemistry - A European Journal</i> , 2001 , 7, 272-9	4.8	58
172	Defect-Free MOF-Based Mixed-Matrix Membranes Obtained by Corona Cross-Linking. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13029-13037	9.5	57
171	Emerging trends in metalloprotein inhibition. <i>Dalton Transactions</i> , 2011 , 40, 3445-54	4.3	57
170	The Use of Metalloligands in Metal-Organic Frameworks. <i>Progress in Inorganic Chemistry</i> , 2009 , 335-378		57
169	In Situ Modification of Metal-Organic Frameworks in Mixed-Matrix Membranes. <i>Angewandte Chemie</i> , 2015 , 127, 9157-9160	3.6	56
168	Single-atom ligand changes affect breathing in an extended metal-organic framework. <i>Inorganic Chemistry</i> , 2012 , 51, 5671-6	5.1	54
167	Investigation of self-immolative linkers in the design of hydrogen peroxide activated metalloprotein inhibitors. <i>Chemical Communications</i> , 2011 , 47, 7968-70	5.8	54
166	2.4-A crystal structure of the asymmetric platinum complex [Pt(amine)(cyclohexylamine)] ²⁺ bound to a dodecamer DNA duplex. <i>Journal of Biological Chemistry</i> , 2002 , 277, 49743-9	5.4	54
165	Chelator fragment libraries for targeting metalloproteinases. <i>ChemMedChem</i> , 2010 , 5, 195-9	3.7	53
164	Metal-organic framework regioisomers based on bifunctional ligands. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12193-6	16.4	52

163	Helical coordination polymers and cyclic dimers formed from heteroleptic thioether-dipyrinato copper(II) complexes. <i>Chemical Communications</i> , 2004 , 2662-3	5.8	52
162	Hierarchical structure and porosity in UiO-66 polyMOFs. <i>Chemical Communications</i> , 2017 , 53, 3058-3061	5.8	51
161	Dipyrromethene complexes of iron. <i>Inorganica Chimica Acta</i> , 2002 , 341, 12-16	2.7	51
160	Expanding medicinal chemistry into 3D space: metallofragments as 3D scaffolds for fragment-based drug discovery. <i>Chemical Science</i> , 2019 , 11, 1216-1225	9.4	51
159	Discovery of an Inhibitor of the Proteasome Subunit Rpn11. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 1343-1361	8.3	50
158	Tandem postsynthetic modification of metal-organic frameworks using an inverse-electron-demand Diels-Alder reaction. <i>Inorganic Chemistry</i> , 2011 , 50, 10534-6	5.1	50
157	25 Years of Reticular Chemistry. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23946-23974	16.4	50
156	Cyclometalated metal-organic frameworks as stable and reusable heterogeneous catalysts for allylic N-alkylation of amines. <i>Chemical Communications</i> , 2013 , 49, 6128-30	5.8	49
155	DNA-binding and oligomerization studies of the manganese(II) metalloregulatory protein MntR from <i>Bacillus subtilis</i> . <i>Biochemistry</i> , 2003 , 42, 12634-42	3.2	49
154	Addressing lead toxicity: complexation of lead(II) with thiopyrone and hydroxypyridinethione O,S mixed chelators. <i>Inorganic Chemistry</i> , 2004 , 43, 6534-6	5.1	48
153	HMG-domain protein recognition of cisplatin 1,2-intrastrand d(GpG) cross-links in purine-rich sequence contexts. <i>Biochemistry</i> , 2000 , 39, 11771-6	3.2	48
152	Block co-polyMOFs: morphology control of polymer-MOF hybrid materials. <i>Chemical Science</i> , 2019 , 10, 1746-1753	9.4	47
151	Nucleophile recognition as an alternative inhibition mode for benzoic acid based carbonic anhydrase inhibitors. <i>Chemical Communications</i> , 2012 , 48, 5259-61	5.8	47
150	Site-selective cyclometalation of a metal-organic framework. <i>Chemical Science</i> , 2013 , 4, 601-605	9.4	47
149	Poly(isophthalic acid)(ethylene oxide) as a Macromolecular Modulator for Metal-Organic Polyhedra. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9646-54	16.4	47
148	Design and synthesis of squaramide-based MOFs as efficient MOF-supported hydrogen-bonding organocatalysts. <i>Chemical Communications</i> , 2016 , 52, 8585-8	5.8	46
147	Model complexes of cobalt-substituted matrix metalloproteinases: tools for inhibitor design. <i>Inorganic Chemistry</i> , 2006 , 45, 7306-15	5.1	46
146	Formation of cis-diamminedichloroplatinum(II) 1,2-intrastrand cross-links on DNA is flanking-sequence independent. <i>Nucleic Acids Research</i> , 2000 , 28, 4237-43	20.1	46

145	The use of a rigid tritopic phosphonic ligand for the synthesis of a robust honeycomb-like layered zirconium phosphonate framework. <i>Chemical Communications</i> , 2014 , 50, 5737-40	5.8	45
144	Enhanced binding of the TATA-binding protein to TATA boxes containing flanking cisplatin 1,2-cross-links. <i>Biochemistry</i> , 2000 , 39, 8259-65	3.2	44
143	A Metal-Organic Framework with Exceptional Activity for C-H Bond Amination. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 511-515	16.4	44
142	Pore Breathing of Metal-Organic Frameworks by Environmental Transmission Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13973-13976	16.4	43
141	Functional group effects on metal-organic framework topology. <i>Chemical Communications</i> , 2012 , 48, 9370-2	5.8	42
140	Thioamide hydroxypyrothiones supersede amide hydroxypyrothiones in potency against anthrax lethal factor. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 1063-74	8.3	42
139	Metal complexes of the trans-influencing ligand thiomaltol. <i>Inorganic Chemistry</i> , 2003 , 42, 7455-9	5.1	42
138	Characterization and structure of the manganese-responsive transcriptional regulator ScaR. <i>Biochemistry</i> , 2009 , 48, 10308-20	3.2	41
137	Using model complexes to augment and advance metalloproteinase inhibitor design. <i>Inorganic Chemistry</i> , 2004 , 43, 3038-47	5.1	41
136	Mixed hydroxypyridinonate ligands as iron chelators. <i>Inorganic Chemistry</i> , 2000 , 39, 4339-46	5.1	41
135	Multiple functional groups in UiO-66 improve chemical warfare agent simulant degradation. <i>Chemical Communications</i> , 2019 , 55, 5367-5370	5.8	40
134	High-throughput screening of solid-state catalysts for nerve agent degradation. <i>Chemical Communications</i> , 2018 , 54, 5768-5771	5.8	40
133	Isorecticular expansion of polyMOFs achieves high surface area materials. <i>Chemical Communications</i> , 2017 , 53, 10684-10687	5.8	39
132	Probing chelation motifs in HIV integrase inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2251-6	11.5	39
131	Halogen bonding in UiO-66 frameworks promotes superior chemical warfare agent simulant degradation. <i>Chemical Communications</i> , 2019 , 55, 3481-3484	5.8	39
130	polyMOFs: A Class of Interconvertible Polymer-Metal-Organic-Framework Hybrid Materials. <i>Angewandte Chemie</i> , 2015 , 127, 6250-6255	3.6	38
129	Self-Assembly of Metal-Organic Framework (MOF) Nanoparticle Monolayers and Free-Standing Multilayers. <i>Journal of the American Chemical Society</i> , 2019 , 141, 20000-20003	16.4	38
128	Fragment-Based Identification of Influenza Endonuclease Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 6444-54	8.3	37

127	Antagonism of a zinc metalloprotease using a unique metal-chelating scaffold: tropolones as inhibitors of <i>P. aeruginosa</i> elastase. <i>Chemical Communications</i> , 2013 , 49, 3197-9	5.8	37
126	Metal-induced structural organization and stabilization of the metalloregulatory protein MntR. <i>Biochemistry</i> , 2005 , 44, 3380-9	3.2	37
125	Flux melting of metal-organic frameworks. <i>Chemical Science</i> , 2019 , 10, 3592-3601	9.4	37
124	Transmission Electron Microscopy Reveals Deposition of Metal Oxide Coatings onto Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1348-1357	16.4	36
123	Structural and spectroscopic study of reactions between chelating zinc-binding groups and mimics of the matrix metalloproteinase and disintegrin metalloprotease catalytic sites: the coordination chemistry of metalloprotease inhibition. <i>Inorganic Chemistry</i> , 2005 , 44, 7431-42	5.1	36
122	Multicomponent metal-organic framework membranes for advanced functional composites. <i>Chemical Science</i> , 2018 , 9, 8842-8849	9.4	36
121	Chemically crosslinked isorecticular metal-organic frameworks. <i>Chemical Communications</i> , 2013 , 49, 3200-2	5.8	34
120	Supramolecular tetrahedra of phosphines and coinage metals. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5106-9	16.4	34
119	[(TpMe,Ph) ₂ Zn ₂ (H ₃ O ₂)]ClO ₄ : a new H ₃ O ₂ species relevant to zinc proteinases. <i>Inorganica Chimica Acta</i> , 2002 , 337, 459-462	2.7	34
118	High MOF loading in mixed-matrix membranes utilizing styrene/butadiene copolymers. <i>Chemical Communications</i> , 2016 , 52, 14376-14379	5.8	32
117	The influence of nitro groups on the topology and gas sorption property of extended Zn(II)-paddlewheel MOFs. <i>CrystEngComm</i> , 2013 , 15, 9304	3.3	32
116	Evaluation and binding-mode prediction of thiopyrone-based inhibitors of anthrax lethal factor. <i>ChemMedChem</i> , 2006 , 1, 694-7	3.7	32
115	Near-UV photo-induced modification in isorecticular metal-organic frameworks. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10188-10194		31
114	Tris(pyrrone) chelates of Gd(III) as high solubility MRI-CA. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2222-3	16.4	31
113	Dual-Mode HDAC Prodrug for Covalent Modification and Subsequent Inhibitor Release. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 4812-21	8.3	30
112	Preparation and characterization of asymmetric alpha-alkoxy dipyrin ligands and their metal complexes. <i>Dalton Transactions</i> , 2007 , 1067-74	4.3	30
111	Exploring hydrogen peroxide responsive thiazolidinone-based prodrugs. <i>Chemical Communications</i> , 2015 , 51, 7116-9	5.8	29
110	Catecholate/salicylate heteropodands: demonstration of a catecholate to salicylate coordination change. <i>Inorganic Chemistry</i> , 2000 , 39, 3624-31	5.1	29

109	Synthesis of homochiral tris(2-alkyl-2-aminoethyl)amine derivatives from chiral alpha-amino aldehydes and their application in the synthesis of water soluble chelators. <i>Inorganic Chemistry</i> , 2001 , 40, 3208-16	5.1	29
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