Seth Cohen

List of Publications by Year in Descending Order

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	Salicylate metal-binding isosteres as fragments for metalloenzyme inhibition.. *Chemical Science*, **2022**, 13, 2128-2136	9.4	0
269	Computational Prediction of the Binding Pose of Metal-Binding Pharmacophores.. *ACS Medicinal Chemistry Letters*, **2022**, 13, 428-435	4.3	0
268	Green MIP-202(Zr) Catalyst: Degradation and Thermally Robust Biomimetic Sensing of Nerve Agents. *Journal of the American Chemical Society*, **2021**, 143, 18261-18271	16.4	6
267	Synthesis of tetranuclear rhenium(I) tricarbonyl metallacycles. *Dalton Transactions*, **2021**, 50, 16147-16155	4.3	1
266	Evaluating Metal-Ligand Interactions of Metal-Binding Isosteres Using Model Complexes. *Inorganic Chemistry*, **2021**, 60, 17161-17172	5.1	0
265	Controlled Two-Dimensional Alignment of Metal-Organic Frameworks in Polymer Films. *Journal of the American Chemical Society*, **2021**, 143, 3703-3706	16.4	5
264	ReI Tricarbonyl Complexes as Coordinate Covalent Inhibitors for the SARS-CoV-2 Main Cysteine Protease. *Angewandte Chemie*, **2021**, 133, 10811-10818	3.6	2
263	Re Tricarbonyl Complexes as Coordinate Covalent Inhibitors for the SARS-CoV-2 Main Cysteine Protease. *Angewandte Chemie - International Edition*, **2021**, 60, 10716-10723	16.4	19
262	Hydroxypyridinethione Inhibitors of Human Insulin-Degrading Enzyme. *ChemMedChem*, **2021**, 16, 1775-1787	3.7	2
261	Strong, Ductile MOF–Poly(urethane urea) Composites. *Chemistry of Materials*, **2021**, 33, 3164-3171	9.6	6
260	Mimicking the Electron Transport Chain and Active Site of [FeFe] Hydrogenases in One Metal-Organic Framework: Factors That Influence Charge Transport. *Journal of the American Chemical Society*, **2021**, 143, 7991-7999	16.4	6
259	Simulation Meets Experiment: Unraveling the Properties of Water in Metal–Organic Frameworks through Vibrational Spectroscopy. *Journal of Physical Chemistry C*, **2021**, 125, 12451-12460	3.8	3
258	Spectroscopic and biochemical characterization of metallo-β-lactamase IMP-1 with dicarboxylic, sulfonyl, and thiol inhibitors. *Bioorganic and Medicinal Chemistry*, **2021**, 40, 116183	3.4	2
257	Metal Complexes as Antiviral Agents for SARS-CoV-2. *ChemBioChem*, **2021**, 22, 2600-2607	3.8	12
256	25 Jahre retikuläre Chemie. *Angewandte Chemie*, **2021**, 133, 24142	3.6	0
255	Remote Detection of HCN, HF, and Nerve Agent Vapors Based on Self-Referencing, Dye-Impregnated Porous Silicon Photonic Crystals. *ACS Sensors*, **2021**, 6, 418-428	9.2	2
254	Photorelease of a metal-binding pharmacophore from a Ru(II) polypyridine complex. *Dalton Transactions*, **2021**, 50, 2757-2765	4.3	3

253	F-Tagged metal binding pharmacophores for NMR screening of metalloenzymes. *Chemical Communications*, **2021**, 57, 4934-4937	5.8	0
252	Metal complexes for therapeutic applications. *Trends in Chemistry*, **2021**, 3, 523-534	14.8	10
251	25 Years of Reticular Chemistry. *Angewandte Chemie - International Edition*, **2021**, 60, 23946-23974	16.4	50
250	Exploration of the 2,3-dihydroisoindole pharmacophore for inhibition of the influenza virus PA endonuclease. *Bioorganic Chemistry*, **2021**, 116, 105388	5.1	
249	The electrochemical reduction of a flexible Mn(II) salen-based metal-organic framework. *Dalton Transactions*, **2021**, 50, 12821-12825	4.3	
248	Spray-Coating of Catalytically Active MOF-Polythiourea through Postsynthetic Polymerization. *Angewandte Chemie - International Edition*, **2020**, 59, 13984-13989	16.4	21
247	Evaluation of 3-Dimensionality in Approved and Experimental Drug Space. *ACS Medicinal Chemistry Letters*, **2020**, 11, 1292-1298	4.3	10
246	Spray-Coating of Catalytically Active MOF□Polythiourea through Postsynthetic Polymerization. *Angewandte Chemie*, **2020**, 132, 14088-14093	3.6	7
245	Probing the mechanisms of inhibition for various inhibitors of metallo-□lactamases VIM-2 and NDM-1. *Journal of Inorganic Biochemistry*, **2020**, 210, 111123	4.2	12
244	Room temperature aqueous synthesis of UiO-66 derivatives via postsynthetic exchange. *Dalton Transactions*, **2020**, 49, 8841-8845	4.3	5
243	Liquid-Phase Applications of Metal□rganic Framework Mixed-Matrix Membranes Prepared from Poly(ethylene-co-vinyl acetate). *ACS Applied Polymer Materials*, **2020**, 2, 2063-2069	4.3	5
242	An Exceptionally Stable Metal-Organic Framework Constructed from Chelate-Based Metal-Organic Polyhedra. *Journal of the American Chemical Society*, **2020**, 142, 6907-6912	16.4	27
241	Postsynthetic Modification: An Enabling Technology for the Advancement of Metal-Organic Frameworks. *ACS Central Science*, **2020**, 6, 1046-1057	16.8	99
240	Effect of heterocycle content on metal binding isostere coordination. *Chemical Science*, **2020**, 11, 6907-6914	9.4	4
239	High-Throughput Screening of MOFs for Breakdown of V-Series Nerve Agents. *ACS Applied Materials & Interfaces*, **2020**, 12, 14672-14677	9.5	11
238	Iminodiacetic Acid as a Novel Metal-Binding Pharmacophore for New Delhi Metallo-□lactamase Inhibitor Development. *ChemMedChem*, **2020**, 15, 1272-1282	3.7	11
237	Structure of the Polymer Backbones in polyMOF Materials. *Journal of the American Chemical Society* , **2020**, 142, 10863-10868	16.4	10
236	MOF-Polymer Hybrid Materials: From Simple Composites to Tailored Architectures. *Chemical Reviews*, **2020**, 120, 8267-8302	68.1	247

235	Identification of Adenosine Deaminase Inhibitors by Metal-binding Pharmacophore Screening. *ChemMedChem*, **2020**, 15, 2151-2156	3.7	4
234	Free-standing metal-organic framework (MOF) monolayers by self-assembly of polymer-grafted nanoparticles. *Chemical Science*, **2020**, 11, 8433-8437	9.4	11
233	Catch and Anchor Approach To Combat Both Toxicity and Longevity of Botulinum Toxin A. *Journal of Medicinal Chemistry*, **2020**, 63, 11100-11120	8.3	10
232	Inside polyMOFs: layered structures in polymer-based metal-organic frameworks. *Chemical Science*, **2020**, 11, 10523-10528	9.4	3
231	Insights into the Structure and Dynamics of Metal-Organic Frameworks via Transmission Electron Microscopy. *Journal of the American Chemical Society*, **2020**, 142, 17224-17235	16.4	21
230	SAR Exploration of Tight-Binding Inhibitors of Influenza Virus PA Endonuclease. *Journal of Medicinal Chemistry*, **2019**, 62, 9438-9449	8.3	16
229	Block co-polyMOFs: morphology control of polymer-MOF hybrid materials. *Chemical Science*, **2019**, 10, 1746-1753	9.4	47
228	Investigation of Dipicolinic Acid Isosteres for the Inhibition of Metallo-β-Lactamases. *ChemMedChem*, **2019**, 14, 1271-1282	3.7	16
227	Pressure promoted low-temperature melting of metal-organic frameworks. *Nature Materials*, **2019**, 18, 370-376	27	74
226	Defect-Free MOF-Based Mixed-Matrix Membranes Obtained by Corona Cross-Linking. *ACS Applied Materials & Interfaces*, **2019**, 11, 13029-13037	9.5	57
225	Multiple functional groups in UiO-66 improve chemical warfare agent simulant degradation. *Chemical Communications*, **2019**, 55, 5367-5370	5.8	40
224	Polymer Infiltration into Metal-Organic Frameworks in Mixed-Matrix Membranes Detected in Situ by NMR. *Journal of the American Chemical Society*, **2019**, 141, 7589-7595	16.4	66
223	Metal-Binding Pharmacophore Library Yields the Discovery of a Glyoxalase 1 Inhibitor. *Journal of Medicinal Chemistry*, **2019**, 62, 1609-1625	8.3	20
222	Polyacids as Modulators for the Synthesis of UiO-66. *Australian Journal of Chemistry*, **2019**, 72, 848	1.2	6
221	Expanding medicinal chemistry into 3D space: metallofragments as 3D scaffolds for fragment-based drug discovery. *Chemical Science*, **2019**, 11, 1216-1225	9.4	51
220	Halogen bonding in UiO-66 frameworks promotes superior chemical warfare agent simulant degradation. *Chemical Communications*, **2019**, 55, 3481-3484	5.8	39
219	Flux melting of metal-organic frameworks. *Chemical Science*, **2019**, 10, 3592-3601	9.4	37
218	Self-Assembly of Metal-Organic Framework (MOF) Nanoparticle Monolayers and Free-Standing Multilayers. *Journal of the American Chemical Society*, **2019**, 141, 20000-20003	16.4	38

217	Targeting Metalloenzymes for Therapeutic Intervention. *Chemical Reviews*, **2019**, 119, 1323-1455	68.1	109
216	Nylon□MOF Composites through Postsynthetic Polymerization. *Angewandte Chemie*, **2019**, 131, 2358-2362	3.6	17
215	Nylon-MOF Composites through Postsynthetic Polymerization. *Angewandte Chemie - International Edition*, **2019**, 58, 2336-2340	16.4	90
214	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
213	Transmission Electron Microscopy Reveals Deposition of Metal Oxide Coatings onto Metal-Organic Frameworks. *Journal of the American Chemical Society*, **2018**, 140, 1348-1357	16.4	36
212	Understanding the origins of metal-organic framework/polymer compatibility. *Chemical Science*, **2018**, 9, 315-324	9.4	107
211	Isosteres of hydroxypyridinethione as drug-like pharmacophores for metalloenzyme inhibition. *Journal of Biological Inorganic Chemistry*, **2018**, 23, 1129-1138	3.7	13
210	Metal-Binding Isosteres as New Scaffolds for Metalloenzyme Inhibitors. *Inorganic Chemistry*, **2018**, 57, 9538-9543	5.1	18
209	Analytical STEM Investigation of the Post-Synthetic Modification (PMS) of Metal-Organic Frameworks (MOFs): Metal- and Ligand-Exchange in UiO-66. *Microscopy and Microanalysis*, **2018**, 24, 1970-1971	0.5	1
208	Epidithiodiketopiperazines Inhibit Protein Degradation by Targeting Proteasome Deubiquitinase Rpn11. *Cell Chemical Biology*, **2018**, 25, 1350-1358.e9	8.2	22
207	A Metal□Organic Framework with Exceptional Activity for C□H Bond Amination. *Angewandte Chemie*, **2018**, 130, 520-524	3.6	7
206	A Metal-Organic Framework with Exceptional Activity for C-H Bond Amination. *Angewandte Chemie - International Edition*, **2018**, 57, 511-515	16.4	44
205	Supramolekulare Metallopolymere: Von linearen Materialien zu infiniten Netzwerken. *Angewandte Chemie*, **2018**, 130, 15208-15218	3.6	9
204	polyMOF Formation from Kinked Polymer Ligands via ortho-Substitution. *Israel Journal of Chemistry* , **2018**, 58, 1123-1126	3.4	8
203	Supramolecular Metallopolymers: From Linear Materials to Infinite Networks. *Angewandte Chemie - International Edition*, **2018**, 57, 14992-15001	16.4	76
202	Gas Absorption and Pore Breathing of Metal-Organic Frameworks Studied Using in situ Environmental Transmission Electron Microscopy (ETEM). *Microscopy and Microanalysis*, **2018**, 24, 1880-1881	0.5	1
201	Structure-Activity Relationships in Metal-Binding Pharmacophores for Influenza Endonuclease. *Journal of Medicinal Chemistry*, **2018**, 61, 10206-10217	8.3	22
200	Multicomponent metal-organic framework membranes for advanced functional composites. *Chemical Science*, **2018**, 9, 8842-8849	9.4	36

199	High-throughput screening of solid-state catalysts for nerve agent degradation. *Chemical Communications*, **2018**, 54, 5768-5771	5.8	40
198	Electroactive Co(iii) salen metal complexes and the electrophoretic deposition of their porous organic polymers onto glassy carbon.. *RSC Advances*, **2018**, 8, 24128-24142	3.7	14
197	The Postsynthetic Renaissance in Porous Solids. *Journal of the American Chemical Society*, **2017**, 139, 2855-2863	16.4	311
196	Hierarchical structure and porosity in UiO-66 polyMOFs. *Chemical Communications*, **2017**, 53, 3058-3061	5.8	51
195	Capzimin is a potent and specific inhibitor of proteasome isopeptidase Rpn11. *Nature Chemical Biology*, **2017**, 13, 486-493	11.7	88
194	The effect of metalloprotein inhibitors on cellular metal ion content and distribution. *Metallomics*, **2017**, 9, 250-257	4.5	6
193	Discovery of an Inhibitor of the Proteasome Subunit Rpn11. *Journal of Medicinal Chemistry*, **2017**, 60, 1343-1361	8.3	50
192	Effect of donor atom identity on metal-binding pharmacophore coordination. *Journal of Biological Inorganic Chemistry*, **2017**, 22, 605-613	3.7	7
191	Photocatalytic metal□organic frameworks for organic transformations. *CrystEngComm*, **2017**, 19, 4126-4136	3.9	97
190	Metal-Organic Frameworks as Micromotors with Tunable Engines and Brakes. *Journal of the American Chemical Society*, **2017**, 139, 611-614	16.4	79
189	Coordinative Alignment To Achieve Ordered Guest Molecules in a Versatile Molecular Crystalline Sponge. *Crystal Growth and Design*, **2017**, 17, 6174-6177	3.5	13
188	Isoreticular expansion of polyMOFs achieves high surface area materials. *Chemical Communications*, **2017**, 53, 10684-10687	5.8	39
187	Substituent Effects on the Coordination Chemistry of Metal-Binding Pharmacophores. *Inorganic Chemistry*, **2017**, 56, 11721-11728	5.1	2
186	Pore Breathing of Metal-Organic Frameworks by Environmental Transmission Electron Microscopy. *Journal of the American Chemical Society*, **2017**, 139, 13973-13976	16.4	43
185	A Bioinorganic Approach to Fragment-Based Drug Discovery Targeting Metalloenzymes. *Accounts of Chemical Research*, **2017**, 50, 2007-2016	24.3	28
184	Dipicolinic Acid Derivatives as Inhibitors of New Delhi Metallo-□lactamase-1. *Journal of Medicinal Chemistry*, **2017**, 60, 7267-7283	8.3	94
183	High MOF loading in mixed-matrix membranes utilizing styrene/butadiene copolymers. *Chemical Communications*, **2016**, 52, 14376-14379	5.8	32
182	Metal□organic frameworks for membrane-based separations. *Nature Reviews Materials*, **2016**, 1,	73.3	434

181	Design and synthesis of squaramide-based MOFs as efficient MOF-supported hydrogen-bonding organocatalysts. *Chemical Communications*, **2016**, 52, 8585-8	5.8	46
180	Fragment-Based Identification of Influenza Endonuclease Inhibitors. *Journal of Medicinal Chemistry*, **2016**, 59, 6444-54	8.3	37
179	Enhanced aging properties of HKUST-1 in hydrophobic mixed-matrix membranes for ammonia adsorption. *Chemical Science*, **2016**, 7, 2711-2716	9.4	115
178	Polymer-Metal-Organic Frameworks (polyMOFs) as Water Tolerant Materials for Selective Carbon Dioxide Separations. *Journal of the American Chemical Society*, **2016**, 138, 920-5	16.4	184
177	Dual-responsive nanoparticles release cargo upon exposure to matrix metalloproteinase and reactive oxygen species. *Chemical Communications*, **2016**, 52, 2126-8	5.8	23
176	Metal-organic frameworks constructed from crown ether-based 1,4-benzenedicarboxylic acid derivatives. *Dalton Transactions*, **2016**, 45, 3063-9	4.3	19
175	Poly(isophthalic acid)(ethylene oxide) as a Macromolecular Modulator for Metal-Organic Polyhedra. *Journal of the American Chemical Society*, **2016**, 138, 9646-54	16.4	47
174	Toward "metalloMOFzymes": Metal-Organic Frameworks with Single-Site Metal Catalysts for Small-Molecule Transformations. *Inorganic Chemistry*, **2016**, 55, 7281-90	5.1	82
173	Photocatalytic Metal-Organic Frameworks for Selective 2,2,2-Trifluoroethylation of Styrenes. *Journal of the American Chemical Society*, **2016**, 138, 12320-3	16.4	102
172	Efficient microwave assisted synthesis of metal-organic framework UiO-66: optimization and scale up. *Dalton Transactions*, **2015**, 44, 14019-26	4.3	74
171	Photocatalytic CO2 Reduction to Formate Using a Mn(I) Molecular Catalyst in a Robust Metal-Organic Framework. *Inorganic Chemistry*, **2015**, 54, 6821-8	5.1	246
170	polyMOFs: A Class of Interconvertible Polymer-Metal-Organic-Framework Hybrid Materials. *Angewandte Chemie - International Edition*, **2015**, 54, 6152-7	16.4	159
169	Photocatalytic metal-organic frameworks for the aerobic oxidation of arylboronic acids. *Chemical Communications*, **2015**, 51, 9880-3	5.8	109
168	Dual-Mode HDAC Prodrug for Covalent Modification and Subsequent Inhibitor Release. *Journal of Medicinal Chemistry*, **2015**, 58, 4812-21	8.3	30
167	A bifunctional, site-isolated metal-organic framework-based tandem catalyst. *Inorganic Chemistry*, **2015**, 54, 3134-8	5.1	61
166	Exploring hydrogen peroxide responsive thiazolidinone-based prodrugs. *Chemical Communications*, **2015**, 51, 7116-9	5.8	29
165	Photocatalytic CO2 reduction using visible light by metal-monocatecholato species in a metal-organic framework. *Chemical Communications*, **2015**, 51, 16549-52	5.8	95
164	Functionalization of robust Zr(IV)-based metal-organic framework films via a postsynthetic ligand exchange. *Chemical Communications*, **2015**, 51, 66-9	5.8	93

163	Observing the Self-assembly of Metal-Organic Frameworks by In-Situ Liquid Cell TEM. *Microscopy and Microanalysis*, **2015**, 21, 2445-2446	0.5	2
162	polyMOFs: A Class of Interconvertible Polymer-Metal-Organic-Framework Hybrid Materials. *Angewandte Chemie*, **2015**, 127, 6250-6255	3.6	38
161	In Situ Modification of Metal Organic Frameworks in Mixed-Matrix Membranes. *Angewandte Chemie*, **2015**, 127, 9157-9160	3.6	56
160	In Situ Modification of Metal-Organic Frameworks in Mixed-Matrix Membranes. *Angewandte Chemie - International Edition*, **2015**, 54, 9029-32	16.4	306
159	Investigating the Selectivity of Metalloenzyme Inhibitors in the Presence of Competing Metalloproteins. *ChemMedChem*, **2015**, 10, 1733-8	3.7	12
158	Characterization of core-shell MOF particles by depth profiling experiments using on-line single particle mass spectrometry. *Analyst, The*, **2015**, 140, 1510-5	5	11
157	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
156	Photocatalytic CO2 reduction by a mixed metal (Zr/Ti), mixed ligand metal-organic framework under visible light irradiation. *Chemical Communications*, **2015**, 51, 5735-8	5.8	271
155	Metalation of a thiocatechol-functionalized Zr(IV)-based metal-organic framework for selective C-H functionalization. *Journal of the American Chemical Society*, **2015**, 137, 2191-4	16.4	210
154	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
153	Reusable oxidation catalysis using metal-monocatecholato species in a robust metal-organic framework. *Journal of the American Chemical Society*, **2014**, 136, 4965-73	16.4	227
152	Metalloprotein Inhibitors **2014**, 375-403		5
151	A robust, catalytic metal-organic framework with open 2,2'-bipyridine sites. *Chemical Communications*, **2014**, 50, 4810-2	5.8	176
150	The use of a rigid tritopic phosphonic ligand for the synthesis of a robust honeycomb-like layered zirconium phosphonate framework. *Chemical Communications*, **2014**, 50, 5737-40	5.8	45
149	Inhibition of the lymphoid tyrosine phosphatase: the effect of zinc(II) ions and chelating ligand fragments on enzymatic activity. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 4019-22	2.9	6
148	Exploring the influence of the protein environment on metal-binding pharmacophores. *Journal of Medicinal Chemistry*, **2014**, 57, 7126-35	8.3	24
147	Modulating H2 sorption in metal-organic frameworks via ordered functional groups. *Chemical Communications*, **2014**, 50, 12154-7	5.8	10
146	Exploration of chemically cross-linked metal-organic frameworks. *Inorganic Chemistry*, **2014**, 53, 7014-9	5.1	26

145	'Unconventional' coordination chemistry by metal chelating fragments in a metalloprotein active site. *Journal of the American Chemical Society*, **2014**, 136, 5400-6	16.4	17
144	In-Situ Liquid Transmission Electron Microscopy (TEM) for the analysis of Metal Organic Frameworks (MOFs). *Microscopy and Microanalysis*, **2014**, 20, 1614-1615	0.5	1
143	Structural dynamics inside a functionalized metal-organic framework probed by ultrafast 2D IR spectroscopy. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 18442-7	11.5	65
142	Enhanced photochemical hydrogen production by a molecular diiron catalyst incorporated into a metal-organic framework. *Journal of the American Chemical Society*, **2013**, 135, 16997-7003	16.4	437
141	The influence of nitro groups on the topology and gas sorption property of extended Zn(II)-paddlewheel MOFs. *CrystEngComm*, **2013**, 15, 9304	3.3	32
140	Investigating the selectivity of metalloenzyme inhibitors. *Journal of Medicinal Chemistry*, **2013**, 56, 7997-8007	5.9	78
139	Dioxole functionalized metal-organic frameworks. *Dalton Transactions*, **2013**, 42, 4013-8	4.3	9
138	Synthesis, breathing, and gas sorption study of the first isoreticular mixed-linker phosphonate based metal-organic frameworks. *Chemical Communications*, **2013**, 49, 1315-7	5.8	80
137	Antagonism of a zinc metalloprotease using a unique metal-chelating scaffold: tropolones as inhibitors of P. aeruginosa elastase. *Chemical Communications*, **2013**, 49, 3197-9	5.8	37
136	Chemically crosslinked isoreticular metal-organic frameworks. *Chemical Communications*, **2013**, 49, 3200-28	5.8	34
135	Tandem postsynthetic metal ion and ligand exchange in zeolitic imidazolate frameworks. *Inorganic Chemistry*, **2013**, 52, 4011-6	5.1	184
134	Readily accessible fluorescent probes for sensitive biological imaging of hydrogen peroxide. *ChemBioChem*, **2013**, 14, 593-8	3.8	19
133	Self-assembled supramolecular clusters based on phosphines and coinage metals: tetrahedra, helicates, and mesocates. *Inorganic Chemistry*, **2013**, 52, 7862-72	5.1	28
132	Development of a high-throughput screen and its use in the discovery of Streptococcus pneumoniae immunoglobulin A1 protease inhibitors. *Journal of the American Chemical Society*, **2013**, 135, 10014-7	16.4	13
131	Metalloprotein-inhibitor binding: human carbonic anhydrase II as a model for probing metal-ligand interactions in a metalloprotein active site. *Inorganic Chemistry*, **2013**, 52, 12207-15	5.1	26
130	Cyclometalated metal-organic frameworks as stable and reusable heterogeneous catalysts for allylic N-alkylation of amines. *Chemical Communications*, **2013**, 49, 6128-30	5.8	49
129	Site-selective cyclometalation of a metal-organic framework. *Chemical Science*, **2013**, 4, 601-605	9.4	47
128	Evaluating prodrug strategies for esterase-triggered release of alcohols. *ChemMedChem*, **2013**, 8, 1662-7	3.7	13

127	Ice cream rounds. *Academic Medicine*, **2013**, 88, 66	3.9	1
126	Functional group effects on metal-organic framework topology. *Chemical Communications*, **2012**, 48, 9370-2	5.8	42
125	Nucleophile recognition as an alternative inhibition mode for benzoic acid based carbonic anhydrase inhibitors. *Chemical Communications*, **2012**, 48, 5259-61	5.8	47
124	Spinal matrix metalloproteinase 3 mediates inflammatory hyperalgesia via a tumor necrosis factor-dependent mechanism. *Neuroscience*, **2012**, 200, 199-210	3.9	8
123	Discovery, development, and functionalization of Zr(IV)-based metal□organic frameworks. *CrystEngComm*, **2012**, 14, 4096-4104	3.3	253
122	Tuning the adsorption properties of UiO-66 via ligand functionalization. *Langmuir*, **2012**, 28, 15606-13	4	388
121	Postsynthetic ligand and cation exchange in robust metal-organic frameworks. *Journal of the American Chemical Society*, **2012**, 134, 18082-8	16.4	606
120	Investigating chelating sulfonamides and their use in metalloproteinase inhibitors. *Dalton Transactions*, **2012**, 41, 6507-15	4.3	20
119	Functional tolerance in an isoreticular series of highly porous metal-organic frameworks. *Dalton Transactions*, **2012**, 41, 6277-82	4.3	17
118	Postsynthetic methods for the functionalization of metal-organic frameworks. *Chemical Reviews*, **2012**, 112, 970-1000	68.1	1744
117	Single-atom ligand changes affect breathing in an extended metal-organic framework. *Inorganic Chemistry*, **2012**, 51, 5671-6	5.1	54
116	Near-UV photo-induced modification in isoreticular metal□organic frameworks. *Journal of Materials Chemistry*, **2012**, 22, 10188-10194		31
115	Postsynthetic ligand exchange as a route to functionalization of □inert□ metal□organic frameworks. *Chemical Science*, **2012**, 3, 126-130	9.4	357
114	Supramolecular Tetrahedra of Phosphines and Coinage Metals. *Angewandte Chemie*, **2012**, 124, 5196-5199	3.6	7
113	Supramolecular tetrahedra of phosphines and coinage metals. *Angewandte Chemie - International Edition*, **2012**, 51, 5106-9	16.4	34
112	3-Hydroxy-1-alkyl-2-methylpyridine-4(1H)-thiones: Inhibition of the Pseudomonas aeruginosa Virulence Factor LasB. *ACS Medicinal Chemistry Letters*, **2012**, 3, 668-672	4.3	24
111	Probing chelation motifs in HIV integrase inhibitors. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 2251-6	11.5	39
110	Emerging trends in metalloprotein inhibition. *Dalton Transactions*, **2011**, 40, 3445-54	4.3	57

109	Identifying chelators for metalloprotein inhibitors using a fragment-based approach. *Journal of Medicinal Chemistry*, **2011**, 54, 591-602	8.3	106
108	Postsynthetic modification at orthogonal reactive sites on mixed, bifunctional metal-organic frameworks. *Chemical Communications*, **2011**, 47, 7629-31	5.8	67
107	Tandem postsynthetic modification of metal-organic frameworks using an inverse-electron-demand Diels-Alder reaction. *Inorganic Chemistry*, **2011**, 50, 10534-6	5.1	50
106	Targeting metalloproteins by fragment-based lead discovery. *Chemical Biology and Drug Design*, **2011**, 78, 211-23	2.9	13
105	Postsynthetic modification of metal-organic frameworks--a progress report. *Chemical Society Reviews*, **2011**, 40, 498-519	58.5	936
104	Activation of sulfonate ester based matrix metalloproteinase proinhibitors by hydrogen peroxide. *Journal of Biological Inorganic Chemistry*, **2011**, 16, 313-23	3.7	16
103	Dual Mode EPR Studies of a Kramers ion: High-Spin Co(II) in 4-, 5- and 6-Coordination. *Applied Magnetic Resonance*, **2011**, 40, 501-511	0.8	15
102	Supramolecules to the Rescue! **2011**, 177-195		
101	Metal□Organic Framework Regioisomers Based on Bifunctional Ligands. *Angewandte Chemie*, **2011**, 123, 12401-12404	3.6	6
100	Metal-organic framework regioisomers based on bifunctional ligands. *Angewandte Chemie - International Edition*, **2011**, 50, 12193-6	16.4	52
99	Investigation of self-immolative linkers in the design of hydrogen peroxide activated metalloprotein inhibitors. *Chemical Communications*, **2011**, 47, 7968-70	5.8	54
98	Microwave-assisted cyanation of an aryl bromide directly on a metal-organic framework. *Inorganic Chemistry*, **2011**, 50, 729-31	5.1	69
97	Modifying MOFs: new chemistry, new materials. *Chemical Science*, **2010**, 1, 32	9.4	281
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