Adam J Matzger

List of Publications by Year in Descending Order

248 papers	23,998 citations	65 h-index	151 g-index
265 ext. papers	26,434 ext. citations	8.2 avg, IF	7.33 L-index

#	Paper	IF	Citations
248	Metal-Organic Framework (MOF) Morphology Control by Design.. *Chemistry - A European Journal*, **2022**,	4.8	3
247	Computational Identification and Experimental Demonstration of High-Performance Methane Sorbents.. *Angewandte Chemie - International Edition*, **2022**, e202203575	16.4	2
246	Reagent Reactivity and Solvent Choice Determine Metal-Organic Framework Microstructure during Postsynthetic Modification. *Journal of the American Chemical Society*, **2021**, 143, 671-674	16.4	5
245	Lamellar Architecture Affords Salt Cocrystals with Tunable Stoichiometry. *Crystal Growth and Design*, **2021**, 21, 3540-3546	3.5	1
244	Development and Evolution of Energetic Cocrystals. *Accounts of Chemical Research*, **2021**, 54, 1699-1710	24.3	25
243	Optimizing Hydrogen Storage in MOFs through Engineering of Crystal Morphology and Control of Crystal Size. *Journal of the American Chemical Society*, **2021**, 143, 10727-10734	16.4	22
242	Halogen Bonding Propensity in Solution: Direct Observation and Computational Prediction. *Chemistry - A European Journal*, **2021**, 27, 15472-15478	4.8	0
241	Generating Cocrystal Polymorphs with Information Entropy Driven by Molecular Dynamics-Based Enhanced Sampling. *Journal of Physical Chemistry Letters*, **2020**, 11, 9751-9758	6.4	3
240	Salt nanoconfinement in zirconium-based metal-organic frameworks leads to pore-size and loading-dependent ionic conductivity enhancement. *Chemical Communications*, **2020**, 56, 7245-7248	5.8	3
239	Leveraging Framework Instability: A Journey from Energy Storage to Drug Delivery. *Synlett*, **2020**, 31, 1573-1580	2.2	2
238	Improving stability of the metal-free primary energetic cyanuric triazide (CTA) through cocrystallization. *Chemical Communications*, **2020**, 56, 2111-2114	5.8	14
237	Utilizing plane group symmetry to favor noncentrosymmetry in three-dimensional crystals. *Canadian Journal of Chemistry*, **2020**, 98, 327-331	0.9	
236	Energetic decomposition yields efficient bimetallic Cu MOF-derived catalysts. *Journal of Materials Chemistry A*, **2020**, 8, 15066-15073	13	5
235	Solvent Choice in Metal-Organic Framework Linker Exchange Permits Microstructural Control. *Journal of the American Chemical Society*, **2020**, 142, 20806-20813	16.4	9
234	N,N-Diethyl-3-methylbenzamide (DEET) acts as a metal-organic framework synthesis solvent with phase-directing capabilities. *Chemical Communications*, **2020**, 56, 9966-9969	5.8	2
233	Assessing the Role of Light Absorption in Laser Lithotripsy by Isotopic Substitution of Kidney Stone Materials. *ACS Biomaterials Science and Engineering*, **2020**, 6, 5274-5280	5.5	4
232	Enhanced Drug Delivery by Dissolution of Amorphous Drug Encapsulated in a Water Unstable Metal□Organic Framework (MOF). *Angewandte Chemie*, **2019**, 131, 16946-16950	3.6	20

231	Salt loading in MOFs: solvent-free and solvent-assisted loading of NHNO and LiNO in UiO-66. *Dalton Transactions*, **2019**, 48, 13483-13490	4.3	8
230	Polymer-Mineral Composites Mimic Human Kidney Stones in Laser Lithotripsy Experiments. *ACS Biomaterials Science and Engineering*, **2019**, 5, 4970-4975	5.5	6
229	Adsorption of tetranitromethane in zeolitic imidazolate frameworks yields energetic materials. *Dalton Transactions*, **2019**, 48, 7509-7513	4.3	7
228	Estimation of system-level hydrogen storage for metal-organic frameworks with high volumetric storage density. *International Journal of Hydrogen Energy*, **2019**, 44, 15135-15145	6.7	28
227	Quaternary Charge-Transfer Solid Solutions: Electronic Tunability through Stoichiometry. *Chemistry of Materials*, **2019**, 31, 6598-6604	9.6	12
226	Exceptional hydrogen storage achieved by screening nearly half a million metal-organic frameworks. *Nature Communications*, **2019**, 10, 1568	17.4	154
225	Far-Infrared Spectroscopy as a Probe for Polymorph Discrimination. *Journal of Pharmaceutical Sciences*, **2019**, 108, 1915-1920	3.9	2
224	Resolvation-Based Damage to Metal□Organic Frameworks and Approaches to Mitigation **2019**, 1, 344-349		6
223	Inhibiting or Accelerating Crystallization of Pharmaceuticals by Manipulating Polymer Solubility. *Molecular Pharmaceutics*, **2019**, 16, 3720-3725	5.6	6
222	Charge-Transport Properties of F6TNAP-Based Charge-Transfer Cocrystals. *Advanced Functional Materials*, **2019**, 29, 1904858	15.6	23
221	Achieving Balanced Energetics through Cocrystallization. *Angewandte Chemie - International Edition* , **2019**, 58, 17185-17188	16.4	33
220	Achieving Balanced Energetics through Cocrystallization. *Angewandte Chemie*, **2019**, 131, 17345-17348	3.6	1
219	Enhanced Drug Delivery by Dissolution of Amorphous Drug Encapsulated in a Water Unstable Metal-Organic Framework (MOF). *Angewandte Chemie - International Edition*, **2019**, 58, 16790-16794	16.4	98
218	Effect of Polymer Hydrophobicity on the Stability of Amorphous Solid Dispersions and Supersaturated Solutions of a Hydrophobic Pharmaceutical. *Molecular Pharmaceutics*, **2019**, 16, 682-688	5.6	19
217	Detonation Velocity Measurement of a Hydrogen Peroxide Solvate of CL-20. *Propellants, Explosives, Pyrotechnics*, **2019**, 44, 313-318	1.7	10
216	Highly active copper catalyst obtained through rapid MOF decomposition. *Inorganic Chemistry Frontiers*, **2019**, 6, 521-526	6.8	5
215	Structure activity relationships in metal-organic framework catalysts for the continuous flow synthesis of propylene carbonate from CO and propylene oxide.. *RSC Advances*, **2018**, 8, 2132-2137	3.7	28
214	Pharmaceutical solvate formation for the incorporation of the antimicrobial agent hydrogen peroxide. *Chemical Communications*, **2018**, 54, 9286-9289	5.8	13

213	Solid-State Insight Into the Action of a Pharmaceutical Solvate: Structural, Thermal, and Dissolution Analysis of Indinavir Sulfate Ethanolate. *Journal of Pharmaceutical Sciences*, **2018**, 107, 2731-2734	3.9	5
212	Survey and analysis of crystal polymorphism in organic structures. *IUCrJ*, **2018**, 5, 124-129	4.7	36
211	Probing the Interplay between Amorphous Solid Dispersion Stability and Polymer Functionality. *Molecular Pharmaceutics*, **2018**, 15, 2714-2720	5.6	31
210	Cocrystal Engineering of a High Nitrogen Energetic Material. *Crystal Growth and Design*, **2018**, 18, 219-224	3.5	54
209	Detonation Performance of Ten Forms of 5,5?-Dinitro-2H,2H?-3,3?-bi-1,2,4-triazole (DNBT). *Crystal Growth and Design*, **2018**, 18, 7701-7707	3.5	8
208	The Metal□Organic Framework Collapse Continuum: Insights from Two-Dimensional Powder X-ray Diffraction. *Chemistry of Materials*, **2018**, 30, 6559-6565	9.6	42
207	Room-Temperature Ferroelectricity in an Organic Cocrystal. *Angewandte Chemie*, **2018**, 130, 9182-9185	3.6	8
206	Room-Temperature Ferroelectricity in an Organic Cocrystal. *Angewandte Chemie - International Edition*, **2018**, 57, 9044-9047	16.4	41
205	The Influence of Chemical Modification on Linker Rotational Dynamics in Metal-Organic Frameworks. *Angewandte Chemie - International Edition*, **2018**, 57, 8678-8681	16.4	26
204	The Influence of Chemical Modification on Linker Rotational Dynamics in Metal□Organic Frameworks. *Angewandte Chemie*, **2018**, 130, 8814-8817	3.6	10
203	Reduction of Thrombosis and Bacterial Infection via Controlled Nitric Oxide (NO) Release from -Nitroso--acetylpenicillamine (SNAP) Impregnated CarboSil Intravascular Catheters. *ACS Biomaterials Science and Engineering*, **2017**, 3, 349-359	5.5	41
202	Evaluation of the Appropriate Use of Characterization Methods for Differentiation between Cocrystals and Physical Mixtures in the Context of Energetic Materials. *Crystal Growth and Design*, **2017**, 17, 901-906	3.5	16
201	A Newly Discovered Racemic Compound of Pioglitazone Hydrochloride Is More Stable than the Commercial Conglomerate. *Crystal Growth and Design*, **2017**, 17, 414-417	3.5	6
200	A melt castable energetic cocrystal. *Chemical Communications*, **2017**, 53, 6065-6068	5.8	53
199	Thermal decomposition pathways of nitro-functionalized metal-organic frameworks. *Chemical Communications*, **2017**, 53, 7808-7811	5.8	11
198	Metal□Organic Frameworks: Examples, Counterexamples, and an Actionable Definition. *Crystal Growth and Design*, **2017**, 17, 4043-4048	3.5	43
197	Antimicrobial nitric oxide releasing surfaces based on S-nitroso-N-acetylpenicillamine impregnated polymers combined with submicron-textured surface topography. *Biomaterials Science*, **2017**, 5, 1265-1278	7.4	21
196	Study of Crystal Formation and Nitric Oxide (NO) Release Mechanism from -Nitroso--acetylpenicillamine (SNAP)-Doped CarboSil Polymer Composites for Potential Antimicrobial Applications. *Composites Part B: Engineering*, **2017**, 121, 23-33	10	17

195	Impact of Hydrogen and Halogen Bonding Interactions on the Packing and Ionicity of Charge-Transfer Cocrystals. *Crystal Growth and Design*, **2017**, 17, 328-336	3.5	36
194	Coordination Polymerization of 5,5'-Dinitro-2H,2H'-3,3'-bi-1,2,4-triazole Leads to a Dense Explosive with High Thermal Stability. *Inorganic Chemistry*, **2017**, 56, 561-565	5.1	29
193	Rapid Guest Exchange and Ultra-Low Surface Tension Solvents Optimize Metal□Organic Framework Activation. *Angewandte Chemie*, **2017**, 129, 14810-14813	3.6	14
192	Rapid Guest Exchange and Ultra-Low Surface Tension Solvents Optimize Metal-Organic Framework Activation. *Angewandte Chemie - International Edition*, **2017**, 56, 14618-14621	16.4	66
191	Electronic Properties of 1,5-Diaminonaphthalene:Tetrahalo-1,4-benzoquinone Donor□Acceptor Cocrystals. *Journal of Physical Chemistry C*, **2017**, 121, 23633-23641	3.8	20
190	Balancing gravimetric and volumetric hydrogen density in MOFs. *Energy and Environmental Science*, **2017**, 10, 2459-2471	35.4	85
189	Core-Shell Structures Arise Naturally During Ligand Exchange in Metal-Organic Frameworks. *Journal of the American Chemical Society*, **2017**, 139, 14841-14844	16.4	85
188	Metal Effects on the Sensitivity of Isostructural Metal-Organic Frameworks Based on 5-Amino-3-nitro-1H-1,2,4-triazole. *Inorganic Chemistry*, **2017**, 56, 10151-10154	5.1	28
187	Electrostatic Constraints Assessed by H MAS NMR Illuminate Differences in Crystalline Polymorphs. *Journal of Physical Chemistry Letters*, **2017**, 8, 4253-4257	6.4	13
186	Multidrug Cocrystal of Anticonvulsants: Influence of Strong Intermolecular Interactions on Physiochemical Properties. *Crystal Growth and Design*, **2017**, 17, 5012-5016	3.5	44
185	Role of Anomalous Water Constraints in the Efficacy of Pharmaceuticals Probed by H Solid-State NMR. *ChemistrySelect*, **2017**, 2, 6797-6800	1.8	7
184	Influence of Chemical Functionality on the Rate of Polymer-Induced Heteronucleation. *Crystal Growth and Design*, **2017**, 17, 4056-4059	3.5	18
183	MOF-5-Polystyrene: Direct Production from Monomer, Improved Hydrolytic Stability, and Unique Guest Adsorption. *Angewandte Chemie*, **2016**, 128, 12278-12282	3.6	11
182	Purification of Chloromethane by Selective Adsorption of Dimethyl Ether on Microporous Coordination Polymers. *Langmuir*, **2016**, 32, 9743-7	4	1
181	MOF-5-Polystyrene: Direct Production from Monomer, Improved Hydrolytic Stability, and Unique Guest Adsorption. *Angewandte Chemie - International Edition*, **2016**, 55, 12099-103	16.4	61
180	Hydrogen Peroxide Solvates of 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane. *Angewandte Chemie - International Edition*, **2016**, 55, 13118-13121	16.4	85
179	Hydrogen Peroxide Solvates of 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane. *Angewandte Chemie*, **2016**, 128, 13312-13315	3.6	25
178	Isostructural Cocrystals of 1,3,5-Trinitrobenzene Assembled by Halogen Bonding. *Crystal Growth and Design*, **2016**, 16, 4688-4693	3.5	35

177	A Perylene-Based Microporous Coordination Polymer Interacts Selectively with Electron-Poor Aromatics. *Chemistry - A European Journal*, **2016**, 22, 5509-13	4.8	20
176	Unprecedented Size of the Holes on 1,3,5-Triiodo-2,4,6-trinitrobenzene Begets Unprecedented Intermolecular Interactions. *Crystal Growth and Design*, **2016**, 16, 1765-1771	3.5	38
175	Catalyst-controlled selectivity in the C-H borylation of methane and ethane. *Science*, **2016**, 351, 1421-4	33.3	127
174	Influence of Coformer Stoichiometric Ratio on Pharmaceutical Cocrystal Dissolution: Three Cocrystals of Carbamazepine/4-Aminobenzoic Acid. *Molecular Pharmaceutics*, **2016**, 13, 990-5	5.6	62
173	Improved pharmacokinetics of mercaptopurine afforded by a thermally robust hemihydrate. *Chemical Communications*, **2016**, 52, 5281-4	5.8	11
172	Polymorphism in phenobarbital: discovery of a new polymorph and crystal structure of elusive form V. *Chemical Communications*, **2016**, 52, 4389-92	5.8	25
171	Rhodium Hydrogenation Catalysts Supported in Metal Organic Frameworks: Influence of the Framework on Catalytic Activity and Selectivity. *ACS Catalysis*, **2016**, 6, 3569-3574	13.1	56
170	Toward Topology Prediction in Zr-Based Microporous Coordination Polymers: The Role of Linker Geometry and Flexibility. *Crystal Growth and Design*, **2016**, 16, 4148-4153	3.5	53
169	Rendering non-energetic microporous coordination polymers explosive. *Chemical Communications*, **2016**, 52, 10862-5	5.8	14
168	A non-regular layer arrangement of a pillared-layer coordination polymer: avoiding interpenetration via symmetry breaking at nodes. *Chemical Communications*, **2015**, 51, 13611-4	5.8	9
167	Structure Polymorphism Study of Fenamates: Toward Developing an Understanding of the Polymorphophore. *Crystal Growth and Design*, **2015**, 15, 3955-3962	3.5	18
166	Polymer@MOF@MOF: "grafting from" atom transfer radical polymerization for the synthesis of hybrid porous solids. *Chemical Communications*, **2015**, 51, 11994-6	5.8	77
165	The Role of Modulators in Controlling Layer Spacings in a Tritopic Linker Based Zirconium 2D Microporous Coordination Polymer. *Inorganic Chemistry*, **2015**, 54, 4591-3	5.1	44
164	Two-dimensional crystals from reduced symmetry analogues of trimesic acid. *Chemistry - A European Journal*, **2015**, 21, 5954-61	4.8	15
163	Design and Synthesis of a Series of Nitrogen-Rich Energetic Cocrystals of 5,5?-Dinitro-2H,2H?-3,3?-bi-1,2,4-triazole (DNBT). *Crystal Growth and Design*, **2015**, 15, 2545-2549	3.5	74
162	Shear-Triggered Crystallization and Light Emission of a Thermally Stable Organic Supercooled Liquid. *ACS Central Science*, **2015**, 1, 94-102	16.8	58
161	The Bioenhancer Piperine is at Least Trimorphic. *Crystal Growth and Design*, **2015**, 15, 2047-2051	3.5	14
160	Energetic-Energetic Cocrystals of Diacetone Diperoxide (DADP): Dramatic and Divergent Sensitivity Modifications via Cocrystallization. *Journal of the American Chemical Society*, **2015**, 137, 5074-9	16.4	187

159	Porous Solids Arising from Synergistic and Competing Modes of Assembly: Combining Coordination Chemistry and Covalent Bond Formation. *Angewandte Chemie*, **2015**, 127, 4055-4059	3.6	7
158	Origin of Long-Term Storage Stability and Nitric Oxide Release Behavior of CarboSil Polymer Doped with S-Nitroso-N-acetyl-D-penicillamine. *ACS Applied Materials & Interfaces*, **2015**, 7, 22218-27	9.5	70
157	Coordination Polymers with High Energy Density: An Emerging Class of Explosives. *Crystal Growth and Design*, **2015**, 15, 5963-5972	3.5	94
156	Porous solids arising from synergistic and competing modes of assembly: combining coordination chemistry and covalent bond formation. *Angewandte Chemie - International Edition*, **2015**, 54, 3983-7	16.4	28
155	Water sensitivity in Zn4O-based MOFs is structure and history dependent. *Journal of the American Chemical Society*, **2015**, 137, 2651-7	16.4	79
154	Controlling pharmaceutical crystallization with designed polymeric heteronuclei. *Journal of the American Chemical Society*, **2015**, 137, 871-5	16.4	48
153	Filling pore space in a microporous coordination polymer to improve methane storage performance. *Langmuir*, **2015**, 31, 2211-7	4	36
152	Microporous coordination polymers as efficient sorbents for air dehumidification. *Langmuir*, **2014**, 30, 1921-5	4	32
151	Towards exhaustive and automated high-throughput screening for crystalline polymorphs. *ACS Combinatorial Science*, **2014**, 16, 309-13	3.9	25
150	Functional group effects on the enthalpy of adsorption for self-assembly at the solution/graphite interface. *Langmuir*, **2014**, 30, 7388-94	4	12
149	Coordination copolymerization of three carboxylate linkers into a pillared layer framework. *Chemical Science*, **2014**, 5, 3729	9.4	46
148	Positronium emission spectra from self-assembled metal-organic frameworks. *Physical Review B*, **2014**, 89,	3.3	29
147	Heterogenization of homogeneous catalysts in metal-organic frameworks via cation exchange. *Journal of the American Chemical Society*, **2013**, 135, 10586-9	16.4	240
146	Synthesis and structure of □substituted pentathienoacenes. *Journal of Materials Chemistry C*, **2013**, 1, 3686	7.1	8
145	Rapid and enhanced activation of microporous coordination polymers by flowing supercritical CO2. *Chemical Communications*, **2013**, 49, 1419-21	5.8	53
144	Interpenetration, porosity, and high-pressure gas adsorption in Zn4O(2,6-naphthalene dicarboxylate)3. *Langmuir*, **2013**, 29, 8146-53	4	34
143	Polymorph Discrimination using Low Wavenumber Raman Spectroscopy. *Organic Process Research and Development*, **2013**, 17, 976-980	3.9	41
142	Two isostructural explosive cocrystals with significantly different thermodynamic stabilities. *Angewandte Chemie - International Edition*, **2013**, 52, 6468-71	16.4	147

141	Evidence of Positronium Bloch states in porous crystals of Zn4O-coordination polymers. *Physical Review Letters*, **2013**, 110, 197403	7.4	18
140	Two Isostructural Explosive Cocrystals with Significantly Different Thermodynamic Stabilities. *Angewandte Chemie*, **2013**, 125, 6596-6599	3.6	25
139	Regiochemical effects of furan substitution on the electronic properties and solid-state structure of partial fused-ring oligothiophenes. *Journal of Organic Chemistry*, **2012**, 77, 9298-303	4.2	15
138	Kinetics and pathways for an algal phospholipid (1,2-dioleoyl-sn-glycero-3-phosphocholine) in high-temperature (175–350 °C) water. *Green Chemistry*, **2012**, 14, 2856	10	28
137	Structural and Physicochemical Aspects of Dasatinib Hydrate and Anhydrate phases. *Crystal Growth and Design*, **2012**, 12, 2122-2126	3.5	57
136	High Power Explosive with Good Sensitivity: A 2:1 Cocrystal of CL-20:HMX. *Crystal Growth and Design*, **2012**, 12, 4311-4314	3.5	371
135	Cocrystals of 1,3,5,7-Tetranitro-1,3,5,7-tetrazacyclooctane (HMX). *Crystal Growth and Design*, **2012**, 12, 3603-3609	3.5	147
134	Exceptional surface area from coordination copolymers derived from two linear linkers of differing lengths. *Chemical Science*, **2012**, 3, 2429	9.4	59
133	Non-interpenetrated IRMOF-8: synthesis, activation, and gas sorption. *Chemical Communications*, **2012**, 48, 9828-30	5.8	38
132	Heterogeneous single-molecule diffusion in one-, two-, and three-dimensional microporous coordination polymers: directional, trapped, and immobile guests. *Nano Letters*, **2012**, 12, 3080-5	11.5	48
131	Additive perturbed molecular assembly in two-dimensional crystals: differentiating kinetic and thermodynamic pathways. *Journal of the American Chemical Society*, **2012**, 134, 3208-14	16.4	22
130	Photoresponse Characteristics of Archetypal Metal–Organic Frameworks. *Journal of Physical Chemistry C*, **2012**, 116, 3112-3121	3.8	29
129	Nonamorphism in flufenamic acid and a new record for a polymorphic compound with solved structures. *Journal of the American Chemical Society*, **2012**, 134, 9872-5	16.4	139
128	Gas and liquid phase adsorption in isostructural Cu3[biaryltricarboxylate]2 microporous coordination polymers. *Chemical Communications*, **2011**, 47, 1452-4	5.8	68
127	Polymer-Induced Heteronucleation for Protein Single Crystal Growth: Structural Elucidation of Bovine Liver Catalase and Concanavalin A Forms. *Crystal Growth and Design*, **2011**, 11, 1294-1298	3.5	24
126	Effect of humidity on the performance of microporous coordination polymers as adsorbents for CO2 capture. *Langmuir*, **2011**, 27, 6368-73	4	368
125	Reconciling the discrepancies between crystallographic porosity and guest access as exemplified by Zn-HKUST-1. *Journal of the American Chemical Society*, **2011**, 133, 18257-63	16.4	167
124	Highly dispersed palladium(II) in a defective metal-organic framework: application to C-H activation and functionalization. *Journal of the American Chemical Society*, **2011**, 133, 20138-41	16.4	151

123	Two-dimensional crystallization of carboxylated benzene oligomers. *Langmuir*, **2011**, 27, 936-42	4	9
122	Sixty years from discovery to solution: crystal structure of bovine liver catalase form III. *Acta Crystallographica Section D: Biological Crystallography*, **2011**, 67, 756-62		4
121	Polymorphs and hydrates of acyclovir. *Journal of Pharmaceutical Sciences*, **2011**, 100, 949-63	3.9	50
120	Improved Stability and Smart-Material Functionality Realized in an Energetic Cocrystal. *Angewandte Chemie*, **2011**, 123, 9122-9125	3.6	56
119	Improved stability and smart-material functionality realized in an energetic cocrystal. *Angewandte Chemie - International Edition*, **2011**, 50, 8960-3	16.4	419
118	Conglomerate with periodic enantiomer inclusion: a mechanism for homochirality erosion. *Chemical Communications*, **2011**, 47, 11432-4	5.8	7
117	Peering at a buried polymer-crystal interface: probing heterogeneous nucleation by sum frequency generation vibrational spectroscopy. *Langmuir*, **2011**, 27, 2162-5	4	19
116	On the mechanism of crystalline polymorph selection by polymer heteronuclei. *Langmuir*, **2011**, 27, 7575-9	4	61
115	Nonlinear Properties in Coordination Copolymers Derived from Randomly Mixed Ligands. *Crystal Growth and Design*, **2011**, 11, 2059-2063	3.5	45
114	Cocrystal Engineering of a Prototype Energetic Material: Supramolecular Chemistry of 2,4,6-Trinitrotoluene. *Crystal Growth and Design*, **2010**, 10, 5341-5347	3.5	172
113	Distinguishing polymorphs of the semiconducting pigment copper phthalocyanine by solid-state NMR and Raman spectroscopy. *Journal of Physical Chemistry B*, **2010**, 114, 4400-6	3.4	25
112	Metal-dependent phase selection in coordination polymers derived from a C(2V)-symmetric tricarboxylate. *Inorganic Chemistry*, **2010**, 49, 5271-5	5.1	52
111	Six different assemblies from one building block: two-dimensional crystallization of an amide amphiphile. *Journal of the American Chemical Society*, **2010**, 132, 11364-71	16.4	74
110	Linker-directed vertex desymmetrization for the production of coordination polymers with high porosity. *Journal of the American Chemical Society*, **2010**, 132, 13941-8	16.4	164
109	Porous Networks Assembled from Octaphenylsilsesquioxane Building Blocks. *Macromolecules*, **2010**, 43, 6995-7000	5.5	65
108	Coordination copolymerization mediated by Zn4O(CO2R)6 metal clusters: a balancing act between statistics and geometry. *Journal of the American Chemical Society*, **2010**, 132, 15005-10	16.4	127
107	Liquid phase separations by crystalline microporous coordination polymers. *Chemical Science*, **2010**, 1, 293	9.4	156
106	Water stability of microporous coordination polymers and the adsorption of pharmaceuticals from water. *Langmuir*, **2010**, 26, 17198-202	4	364

105	A framework for predicting surface areas in microporous coordination polymers. *Langmuir*, **2010**, 26, 5808-14	4	61
104	Evolution of nanoscale pore structure in coordination polymers during thermal and chemical exposure revealed by positron annihilation. *Advanced Materials*, **2010**, 22, 1598-601	24	51
103	Neutral and oxidized triisopropylsilyl end-capped oligothienoacenes: a combined electrochemical, spectroscopic, and theoretical study. *Chemistry - A European Journal*, **2010**, 16, 5481-91	4.8	24
102	Crystal polymorphism in a carbamazepine derivative: oxcarbazepine. *Journal of Pharmaceutical Sciences*, **2010**, 99, 794-803	3.9	22
101	Oxidation of end-capped pentathienoacenes and characterization of their radical cations. *Chemistry - A European Journal*, **2009**, 15, 12346-61	4.8	16
100	FT Raman and DFT study on a series of all-anti oligothienoacenes end-capped with triisopropylsilyl groups. *ChemPhysChem*, **2009**, 10, 3069-76	3.2	11
99	Unmasking a third polymorph of a benchmark crystal-structure-prediction compound. *Angewandte Chemie - International Edition*, **2009**, 48, 8505-8	16.4	41
98	A porous coordination copolymer with over 5000 m2/g BET surface area. *Journal of the American Chemical Society*, **2009**, 131, 4184-5	16.4	420
97	Beryllium benzene dicarboxylate: the first beryllium microporous coordination polymer. *Journal of Materials Chemistry*, **2009**, 19, 6489		31
96	Microporous coordination polymers as selective sorbents for liquid chromatography. *Langmuir*, **2009**, 25, 11977-9	4	160
95	Enabling cleaner fuels: desulfurization by adsorption to microporous coordination polymers. *Journal of the American Chemical Society*, **2009**, 131, 14538-43	16.4	222
94	Deducing 2D crystal structure at the liquid/solid interface with atomic resolution: a combined STM and SFG study. *Langmuir*, **2009**, 25, 12847-50	4	4
93	Anatomy of one-dimensional cocrystals: randomness into order. *Journal of the American Chemical Society*, **2009**, 131, 13826-32	16.4	20
92	Highly symmetric 2D rhombic nanoporous networks arising from low symmetry amphiphiles. *Journal of the American Chemical Society*, **2009**, 131, 7946-7	16.4	34
91	Dipolar Second-Order Nonlinear Optical Chromophores Containing Ferrocene, Octamethylferrocene, and Ruthenocene Donors and Strong □Acceptors: Crystal Structures and Comparison of □Donor Strengths. *Organometallics*, **2009**, 28, 1350-1357	3.8	42
90	Polymer-induced heteronucleation of tolfenamic acid: structural investigation of a pentamorph. *Journal of the American Chemical Society*, **2009**, 131, 4554-5	16.4	108
89	Thiophene/thieno[3,2-b]thiophene co-oligomers: fused-ring analogues of sexithiophene. *Journal of Organic Chemistry*, **2009**, 74, 9112-9	4.2	29
88	Facile and scalable synthesis of the fused-ring heterocycles thieno[3,2-b]thiophene and thieno[3,2-b]furan. *Organic Letters*, **2009**, 11, 3144-7	6.2	58

87	MOF@MOF: microporous core-shell architectures. *Chemical Communications*, **2009**, 6162-4	5.8	242
86	Effect of ring fusion on the amplified spontaneous emission properties of oligothiophenes. *Journal of Materials Chemistry*, **2009**, 19, 6556		14
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