

# Michael J Zaworotko

## List of Publications by Citations

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508  
papers

44,863  
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98  
h-index

200  
g-index

552  
ext. papers

48,333  
ext. citations

8  
avg, IF

7.8  
L-index

#	Paper	IF	Citations
508	From molecules to crystal engineering: supramolecular isomerism and polymorphism in network solids. <i>Chemical Reviews</i> , <b>2001</b> , 101, 1629-58	68.1	5817
507	Porous materials with optimal adsorption thermodynamics and kinetics for CO <sub>2</sub> separation. <i>Nature</i> , <b>2013</b> , 495, 80-4	50.4	1677
506	Design and synthesis of metal-organic frameworks using metal-organic polyhedra as supermolecular building blocks. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 1400-17	58.5	1527
505	Air and water stable 1-ethyl-3-methylimidazolium based ionic liquids. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1992</b> , 965		1414
504	Crystal engineering of the composition of pharmaceutical phases. Do pharmaceutical co-crystals represent a new path to improved medicines?. <i>Chemical Communications</i> , <b>2004</b> , 1889-96	5.8	829
503	Pore chemistry and size control in hybrid porous materials for acetylene capture from ethylene. <i>Science</i> , <b>2016</b> , 353, 141-4	33.3	783
502	Pharmaceutical co-crystals. <i>Journal of Pharmaceutical Sciences</i> , <b>2006</b> , 95, 499-516	3.9	771
501	Superstructural diversity in two dimensions: crystal engineering of laminated solids. <i>Chemical Communications</i> , <b>2001</b> , 1-9	5.8	737
500	Supramolecular Isomerism in Coordination Polymers: Conformational Freedom of Ligands in [Co(NO <sub>3</sub> ) <sub>2</sub> (1,2-bis(4-pyridyl)ethane) <sub>1.5</sub> ] <sub>n</sub> . <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 972-973		696
499	Enhanced CO <sub>2</sub> binding affinity of a high-uptake rht-type metal-organic framework decorated with acylamide groups. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 748-51	16.4	668
498	Crystal engineering of diamondoid networks. <i>Chemical Society Reviews</i> , <b>1994</b> , 23, 283	58.5	619
497	Polymorphs, Salts, and Cocrystals: What's in a Name?. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 2147-2152	3.5	595
496	Pharmaceutical cocrystals: along the path to improved medicines. <i>Chemical Communications</i> , <b>2016</b> , 52, 640-55	5.8	592
495	Supermolecular building blocks (SBBs) for the design and synthesis of highly porous metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 1833-5	16.4	586
494	The role of cocrystals in pharmaceutical science. <i>Drug Discovery Today</i> , <b>2008</b> , 13, 440-6	8.8	582
493	Porous Solids by Design: [Zn(4,4'-bpy) <sub>2</sub> (SiF <sub>6</sub> ) <sub>n</sub> ] <sub>n</sub> DMF, a Single Framework Octahedral Coordination Polymer with Large Square Channels. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 2127-2129		580
492	Crystal Engineering of the Composition of Pharmaceutical Phases: Multiple-Component Crystalline Solids Involving Carbamazepine. <i>Crystal Growth and Design</i> , <b>2003</b> , 3, 909-919	3.5	459

491	Hierarchy of Supramolecular Synthons: Persistent Carboxylic Acid $\cdots$ Pyridine Hydrogen Bonds in Cocrystals That also Contain a Hydroxyl Moiety. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 4533-4545	3.5	388
490	Exploitation of the hydrogen bond: recent developments in the context of crystal engineering. <i>Coordination Chemistry Reviews</i> , <b>1994</b> , 137, 357-401	23.2	363
489	Temperature and concentration control over interpenetration in a metal-organic material. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 17040-1	16.4	353
488	A Noninterpenetrated Molecular Ladder with Hydrophobic Cavities. <i>Angewandte Chemie International Edition in English</i> , <b>1996</b> , 35, 2779-2782		348
487	Synthesis and Structural Characterization of Cocrystals and Pharmaceutical Cocrystals: Mechanochemistry vs Slow Evaporation from Solution. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 1106-1123	3.5	346
486	Self-Assembly of Nanometer-Scale Secondary Building Units into an Undulating Two-Dimensional Network with Two Types of Hydrophobic Cavity. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2111-2113	16.4	329
485	Performance comparison of a co-crystal of carbamazepine with marketed product. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2007</b> , 67, 112-9	5.7	317
484	Helical Coordination Polymers with Large Chiral Cavities. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 492-495	16.4	313
483	Interwoven two- and three-dimensional coordination polymers through self-assembly of CuI cations with linear bidentate ligands. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 1325		312
482	Supramolecular isomerism in coordination compounds: nanoscale molecular hexagons and chains. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 9990-1	16.4	305
481	Crystal engineering of the composition of pharmaceutical phases. <i>Chemical Communications</i> , <b>2003</b> , 186-7,8		296
480	Supramolecular building blocks (SBBs) and crystal design: 12-connected open frameworks based on a molecular cubohemioctahedron. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 1560-1	16.4	291
479	The predictably elusive form II of aspirin. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 16802-3	16.4	286
478	A mixed-crystal lanthanide zeolite-like metal-organic framework as a fluorescent indicator for lysophosphatidic acid, a cancer biomarker. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12203-6	16.4	277
477	Molecules to Crystals, Crystals to Molecules ... and Back Again?. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 4-9	3.5	264
476	Highly selective carbon dioxide uptake by [Cu(bpy-n) <sub>2</sub> (SiF <sub>6</sub> )] (bpy-1 = 4,4'-bipyridine; bpy-2 = 1,2-bis(4-pyridyl)ethene). <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 3663-6	16.4	263
475	Cocrystals of quercetin with improved solubility and oral bioavailability. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 1867-76	5.6	263
474	Crystal engineering of a nanoscale Kagom $\ddot{u}$ lattice. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 2821-4	16.4	261

473	Direct Air Capture of CO <sub>2</sub> by Physisorbent Materials. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14372-7	16.4	260
472	Novel Nanoporous Coordination Polymer Sustained by Self-Assembly of T-Shaped Moieties. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 2599-2600	16.4	255
471	Benchmark C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> and CO <sub>2</sub> /C <sub>2</sub> H <sub>2</sub> Separation by Two Closely Related Hybrid Ultramicroporous Materials. <i>CheM</i> , <b>2016</b> , 1, 753-765	16.2	232
470	Template-directed synthesis of metal-organic materials. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 5444-55	58.5	228
469	Templated synthesis, postsynthetic metal exchange, and properties of a porphyrin-encapsulating metal-organic material. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 924-7	16.4	223
468	Robust Ultramicroporous Metal-Organic Frameworks with Benchmark Affinity for Acetylene. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10971-10975	16.4	218
467	An Ideal Molecular Sieve for Acetylene Removal from Ethylene with Record Selectivity and Productivity. <i>Advanced Materials</i> , <b>2017</b> , 29, 1704210	24	213
466	A 3D metal-organic network, [Cu <sub>2</sub> (glutarate) <sub>2</sub> (4,4'-bipyridine)], that exhibits single-crystal to single-crystal dehydration and rehydration. <i>Chemical Communications</i> , <b>2003</b> , 830-1	5.8	211
465	Nanoballs: nanoscale faceted polyhedra with large windows and cavities. <i>Chemical Communications</i> , <b>2001</b> , 863-864	5.8	201
464	Triple interpenetration in [Ag(4,4'-bipyridine)][NO <sub>3</sub> ], a cationic polymer with a three-dimensional motif generated by self-assembly of $\square$ -shaped building blocks. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 2413-2414		200
463	Crystal engineering of pharmaceutical co-crystals from polymorphic active pharmaceutical ingredients. <i>Chemical Communications</i> , <b>2005</b> , 4601-3	5.8	198
462	Effects of Crystal Form on Solubility and Pharmacokinetics: A Crystal Engineering Case Study of Lamotrigine. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 394-405	3.5	194
461	Bottom up synthesis that does not start at the bottom: quadruple covalent cross-linking of nanoscale faceted polyhedra. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 10076-7	16.4	194
460	A robust molecular porous material with high CO <sub>2</sub> uptake and selectivity. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10950-3	16.4	192
459	Structure-Stability Relationships in Cocrystal Hydrates: Does the Promiscuity of Water Make Crystalline Hydrates the Nemesis of Crystal Engineering?. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 2152-2167	3.5	192
458	Tuning Pore Size in Square-Lattice Coordination Networks for Size-Selective Sieving of CO <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10268-72	16.4	185
457	Synergistic sorbent separation for one-step ethylene purification from a four-component mixture. <i>Science</i> , <b>2019</b> , 366, 241-246	33.3	177
456	Polygons and Faceted Polyhedra and Nanoporous Networks. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2113-2116	16.4	174

455	The 2-Aminopyridinium-carboxylate Supramolecular Heterosynthon: A Robust Motif for Generation of Multiple-Component Crystals. <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 1169-1179	3.5	168
454	X-Ray crystal structure of $C_6H_3(CO_2H)_3 \cdot 1.5(4,4'$ -bipy): a super trimesic acid chicken-wire grid. <i>Chemical Communications</i> , <b>1996</b> , 2655-2656	5.8	168
453	Ternary nets formed by self-assembly of triangles, squares, and tetrahedra. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 2877-80	16.4	167
452	Coformer selection in pharmaceutical cocrystal development: a case study of a meloxicam aspirin cocrystal that exhibits enhanced solubility and pharmacokinetics. <i>Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 100, 2172-81	3.9	165
451	Crystal structure of the coordination polymer $[Co(bipy)_1.5(NO_3)_2] \cdot CS_2$ (bipy=4,4'-bipyridine), a new motif for a network sustained by $\Pi$ -shape building blocks. <i>New Journal of Chemistry</i> , <b>1998</b> , 22, 177-181	3.6	165
450	Mimicking heme enzymes in the solid state: metal-organic materials with selectively encapsulated heme. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 10356-9	16.4	159
449	Hierarchy of supramolecular synthons: persistent hydroxyl...pyridine hydrogen bonds in cocrystals that contain a cyano acceptor. <i>Molecular Pharmaceutics</i> , <b>2007</b> , 4, 401-16	5.6	156
448	DFT computational rationalization of an unusual spin ground state in an Mn <sub>12</sub> single-molecule magnet with a low-symmetry loop structure. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 897-901	16.4	153
447	X-Ray crystal structure of $\{Cu[1,2$ -bis(4-pyridyl)ethane] $\}_2(NO_3)_2 \cdot n$ : the first example of a coordination polymer that exhibits the NbO 3D network architecture. <i>Chemical Communications</i> , <b>1998</b> , 595-596	5.8	151
446	Synthesis and Solution and Solid-State Structures of Tris(pentafluorophenyl)borane Adducts of PhC(O)X (X = H, Me, OEt, NPr <sub>2</sub> ). <i>Organometallics</i> , <b>1998</b> , 17, 1369-1377	3.8	151
445	Exciplex fluorescence as a diagnostic probe of structure in coordination polymers of Zn <sup>2+</sup> and 4,4'-bipyridine containing intercalated pyrene and enclathrated aromatic solvent guests. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 9094-101	16.4	148
444	Template-directed synthesis of nets based upon octahemioctahedral cages that encapsulate catalytically active metalloporphyrins. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 928-33	16.4	147
443	Crystal engineering of a microporous, catalytically active fcu topology MOF using a custom-designed metalloporphyrin linker. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10082-5	16.4	141
442	Coordination polymers: toward functional transition metal sustained materials and supermolecules. <i>Current Opinion in Solid State and Materials Science</i> , <b>2002</b> , 6, 117-123	12	141
441	Bivalent germanium, tin, and lead 2,6-di-tert-butylphenoxides and the crystal and molecular structures of $M(OC_6H_2Me_4-But_2-2,6)_2$ (M = Ge or Sn). <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 2088-2089	16.4	141
440	Supramolecular Synthesis of Organic Laminates with Affinity for Aromatic Guests: A New Class of Clay Mimics. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 11894-11903	16.4	139
439	A new 6(5).8 topology and a distorted 6(5).8 CdSO <sub>4</sub> topology: two new supramolecular isomers of $[M_2(bdc)_2(L)_2]_n$ coordination polymers. <i>Chemical Communications</i> , <b>2003</b> , 1342-3	5.8	138
438	Para-acyl-calix-arene based solid lipid nanoparticles (SLNs): a detailed study of preparation and stability parameters. <i>International Journal of Pharmaceutics</i> , <b>2003</b> , 253, 23-38	6.5	134

- 437 Toward the Design of Porous Organic Solids: Modular Honeycomb Grids Sustained by Anions of Trimesic Acid. *Angewandte Chemie International Edition in English*, **1996**, 35, 2213-2215 133
- 436 Covalent and noncovalent interpenetrating planar networks in the crystal structure of  $\{[\text{Ni}(\text{4,4}'\text{-bipyridine})_2(\text{NO}_3)_2]_n \cdot \text{pyrene}\}_n$ . *Chemical Communications*, **1999**, 1327-1328 5.8 129
- 435 Tetranuclear Copper(II) and Nickel(II) Cluster Complexes Derived by Self-Assembly from a Series of Tetradentate Diazine Ligands: Structural and Magnetic Studies. *Inorganic Chemistry*, **1999**, 38, 5266-5276 5.1 126
- 434 The Reemergence of Cocrystals: The Crystal Clear Writing Is on the Wall Introduction to Virtual Special Issue on Pharmaceutical Cocrystals. *Crystal Growth and Design*, **2009**, 9, 4208-4211 3.5 125
- 433 Pharmaceutical cocrystals: from serendipity to design to application. *Drug Discovery Today*, **2019**, 24, 796-804 8.8 123
- 432 From Disymmetric Molecules to Chiral Polymers: A New Twist for Supramolecular Synthesis?. *Angewandte Chemie - International Edition*, **1998**, 37, 1211-1213 16.4 120
- 431 Metal-organic organopolymeric hybrid framework by reversible [2+2] cycloaddition reaction. *Angewandte Chemie - International Edition*, **2014**, 53, 414-9 16.4 118
- 430 Synthesis of a Chiral Crystal Form of MOF-5, CMOF-5, by Chiral Induction. *Journal of the American Chemical Society*, **2015**, 137, 15406-9 16.4 116
- 429 18-Fold Interpenetration and Concomitant Polymorphism in the 2:3 Co-Crystal of Trimesic Acid and 1,2-Bis(4-pyridyl)ethane. *Crystal Growth and Design*, **2005**, 5, 2046-2049 3.5 116
- 428 Fine Tuning and Specific Binding Sites with a Porous Hydrogen-Bonded Metal-Complex Framework for Gas Selective Separations. *Journal of the American Chemical Society*, **2018**, 140, 4596-4603 16.4 115
- 427  $[\text{M}_3(\text{B}_3\text{O})_2(\text{O}_2\text{CR})_6]$  and related trigonal prisms: versatile molecular building blocks for crystal engineering of metal-organic material platforms. *Chemical Science*, **2014**, 5, 1269-1282 9.4 114
- 426 Crystal engineering of the composition of pharmaceutical phases. 3. Primary amide supramolecular heterosynthons and their role in the design of pharmaceutical co-crystals. *Zeitschrift Fur Kristallographie - Crystalline Materials*, **2005**, 220, 1-11 1 114
- 425 Periodic tiling of pentagons: the first example of a two-dimensional (5,(3)(4)-net. *Journal of the American Chemical Society*, **2001**, 123, 9224-5 16.4 113
- 424 Network diversity through decoration of trigonal-prismatic nodes: two-step crystal engineering of cationic metal-organic materials. *Angewandte Chemie - International Edition*, **2011**, 50, 11421-4 16.4 110
- 423 Reversible Switching between Highly Porous and Nonporous Phases of an Interpenetrated Diamondoid Coordination Network That Exhibits Gate-Opening at Methane Storage Pressures. *Angewandte Chemie - International Edition*, **2018**, 57, 5684-5689 16.4 108
- 422 Hierarchy of Supramolecular Synthons: Persistent Hydrogen Bonds Between Carboxylates and Weakly Acidic Hydroxyl Moieties in Cocrystals of Zwitterions. *Crystal Growth and Design*, **2010**, 10, 3568-3584 3.5 108
- 421 Sextuplet phenyl embrace in a metal-organic Kagom lattice. *Chemical Communications*, **2004**, 2534-5 5.8 106
- 420 A new supramolecular isomer of  $[\text{Zn}(\text{nicotinate})_2]_n$ : a novel 4(2).8(4) network that is the result of self-assembly of 4-connected nodes. *Chemical Communications*, **2002**, 694-5 5.8 104



419	Supramolecular chemistry of manganese complex $[Mn(CO)_3(\mu_3-OH)]_4$ : assembly of a cubic hydrogen-bonded diamondoid network with 1,2-diaminoethane. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 8719-8720	16.4	104
418	Coordination Polymers from Calixarene-Like $[Cu_2(Dicarboxylate)_2]_4$ Building Blocks: Structural Diversity via Atropisomerism. <i>Crystal Growth and Design</i> , <b>2003</b> , 3, 513-519	3.5	103
417	Stable Superhydrophobic Ceramic-Based Carbon Nanotube Composite Desalination Membranes. <i>Nano Letters</i> , <b>2018</b> , 18, 5514-5521	11.5	102
416	Post-synthetic modification of porphyrin-encapsulating metal-organic materials by cooperative addition of inorganic salts to enhance $CO_2/CH_4$ selectivity. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9330-4	16.4	102
415	Exciplex fluorescence of $([Zn(bipy)1.5(NO_3)_2] \cdot CH_3OH \cdot 0.5pyrene)_n$ : a coordination polymer containing intercalated pyrene molecules (bipy = 4,4'-bipyridine). <i>Chemical Communications</i> , <b>2002</b> , 2176-7	5.8	100
414	Hybrid Ultra-Microporous Materials for Selective Xenon Adsorption and Separation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8285-9	16.4	100
413	Highly selective $CO_2$ uptake in uninodal 6-connected "mmo" nets based upon $MO_4(2-)$ (M = Cr, Mo) pillars. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 19556-9	16.4	99
412	A Supramolecular Analogue of Cyclohexane Sustained by Aromatic $CH\cdots\pi$ Interactions: Complexes of 1,3,5-Trihydroxybenzene with Substituted Pyridines. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 6431-6432	16.4	99
411	Supramolecular Architectures of Meloxicam Carboxylic Acid Cocrystals, a Crystal Engineering Case Study. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 4401-4413	3.5	98
410	Suprasupermolecular Chemistry: Infinite Networks from Nanoscale Metal-Organic Building Blocks. <i>Crystal Growth and Design</i> , <b>2004</b> , 4, 11-13	3.5	97
409	Putting the squeeze on $CH_4$ and $CO_2$ through control over interpenetration in diamondoid nets. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5072-7	16.4	96
408	Template synthesis and single-molecule magnetism properties of a complex with spin $S = 16$ and a $[Mn_8O_8]^{8+}$ saddle-like core. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 15274-5	16.4	96
407	Hydrophobic pillared square grids for selective removal of $CO_2$ from simulated flue gas. <i>Chemical Communications</i> , <b>2015</b> , 51, 15530-3	5.8	95
406	Impact of pharmaceutical cocrystals: the effects on drug pharmacokinetics. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2014</b> , 10, 1255-71	5.5	95
405	The first stable zirconium alkylidene complex formed via $\alpha$ -hydrogen abstraction: synthesis and x-ray crystal structure of $[\eta^5-C_5H_3-1,3-(SiMe_2CH_2PPri)_2]Zr:CHPh(Cl)$ . <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 5336-5337	16.4	94
404	Effect of ring rotation upon gas adsorption in SIFSIX-3-M (M = Fe, Ni) pillared square grid networks. <i>Chemical Science</i> , <b>2017</b> , 8, 2373-2380	9.4	93
403	Mechanistic Aspects of the Reactions of Bis(pentafluorophenyl)borane with the Dialkyl Zirconocenes $Cp_2ZrR_2$ (R = $CH_3$ , $CH_2SiMe_3$ , and $CH_2C_6H_5$ ). <i>Organometallics</i> , <b>1998</b> , 17, 2459-2469	3.8	93
402	Antibodies@MOFs: An In Vitro Protective Coating for Preparation and Storage of Biopharmaceuticals. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805148	24	93

401	Fine Tuning of MOF-505 Analogues To Reduce Low-Pressure Methane Uptake and Enhance Methane Working Capacity. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11426-11430	16.4	92
400	Polymeric end-to-end bridged cadmium(II)thiocyanates containing monodentate and bidentate N-donor organic blockers: supramolecular synthons based on $\pi$ - $\pi$ and/or C-H $\cdots$ N interactions. <i>Polyhedron</i> , <b>2004</b> , 23, 2045-2053	2.7	92
399	Use of Alkane Elimination in the One-Step Synthesis of Organoscandium Complexes Containing a New Multidentate Cyclopentadienyl Ligand. <i>Organometallics</i> , <b>1996</b> , 15, 2720-2726	3.8	91
398	Competing Pathways in the Reaction of Bis(pentafluorophenyl)borane with Bis( $\eta$ -cyclopentadienyl)dimethylzirconium: Methane Elimination versus Methyl-Hydride Exchange and an Example of Pentacoordinate Carbon. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 1230-1233		90
397	Improving solubility and pharmacokinetics of meloxicam via multiple-component crystal formation. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 2094-102	5.6	89
396	Stepwise transformation of the molecular building blocks in a porphyrin-encapsulating metal-organic material. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 5982-5	16.4	88
395	The asc trinodal platform: two-step assembly of triangular, tetrahedral, and trigonal-prismatic molecular building blocks. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 2902-5	16.4	87
394	A family of porous lonsdaleite-e networks obtained through pillaring of decorated kagom lattice sheets. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 14016-9	16.4	87
393	Vertex-directed self-assembly of a high symmetry supermolecular building block using a custom-designed porphyrin. <i>Chemical Science</i> , <b>2012</b> , 3, 2823	9.4	86
392	Hydroxylated nanoballs: synthesis, crystal structure, solubility and crystallization on surfaces. <i>Chemical Communications</i> , <b>2001</b> , 2380-1	5.8	84
391	Highly Selective Separation of CH from CO by a New Dichromate-Based Hybrid Ultramicroporous Material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33395-33400	9.5	81
390	Substituent interactions in $\eta$ -6-arene complexes. 1. Systematic x-ray crystallographic study of the structural manifestations of $\sigma$ -donor and $\pi$ -acceptor substituent effects in substituted chromium ( $\eta$ -6-arene)Cr(CO) <sub>3</sub> complexes. <i>Organometallics</i> , <b>1992</b> , 11, 1550-1560	3.8	81
389	Poröse Festkörper nach Plan: [Zn(4,4'-bpy) <sub>2</sub> (SiF <sub>6</sub> ) <sub>n</sub> ] $\cdot$ n DMF, ein Koordinationspolymer mit großen quadratischen Kanälen. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 2295-2297	3.6	80
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38	A Piezoelectric Ionic Cocrystal of Glycine and Sulfamic Acid. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 5818-5827	9.7	3
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35	CO <sub>2</sub> Capture: Specific K <sup>+</sup> Binding Sites as CO <sub>2</sub> Traps in a Porous MOF for Enhanced CO <sub>2</sub> Selective Sorption (Small 22/2019). <i>Small</i> , <b>2019</b> , 15, 1970118	11	2
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16	Synthesis and reactivity of the macrobicyclic complexes (1,5,8,12-tetraaza-17-oxabicyclo[10.5.2]nonadecane)cobalt(III) perchlorate ([Co(L1)(ClO <sub>4</sub> )](ClO <sub>4</sub> ) <sub>2</sub> ), [(chloro(1,4,8,11-tetraaza-17-oxabicyclo[9.5.3]nonadecane)cobalt(III) perchlorate ([Co(L2)(ClO <sub>4</sub> )](ClO <sub>4</sub> ) <sub>2</sub> )). <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2011</b> , 71, 445-453	0.9	1
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