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Dynamic porous properties of coordination polymers inspired by hydrogen bonds

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#	Paper	IF	Citations
1330	Observation of Interpenetration Isomerism in Covalent Organic Frameworks.		
1329	Flexible microporous coordination polymers. <b>2005</b> , 178, 2420-2429		333
1328	Assembly of metal ions and ligands with adaptable coordinative tendencies as a route to functional metal-organic solids. <b>2005</b> , 178, 2519-2526		53
1327	[Co <sub>2</sub> (ppca) <sub>2</sub> (H <sub>2</sub> O)(V <sub>4</sub> O <sub>12</sub> ) <sub>0.5</sub> ]: a framework material exhibiting reversible shrinkage and expansion through a single-crystal-to-single-crystal transformation involving a change in the cobalt coordination environment. <b>2005</b> , 44, 6673-7		189
1326	[Co <sub>2</sub> (ppca) <sub>2</sub> (H <sub>2</sub> O)(V <sub>4</sub> O <sub>12</sub> ) <sub>0.5</sub> ]: A Framework Material Exhibiting Reversible Shrinkage and Expansion through a Single-Crystal-to-Single-Crystal Transformation Involving a Change in the Cobalt Coordination Environment. <b>2005</b> , 117, 6831-6835		37
1325	Guest-induced supramolecular isomerism in inclusion complexes of T-shaped host 4,4-bis(4'-hydroxyphenyl)cyclohexanone. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 6727-42	4.8	85
1324	Triple hydrogen bonds direct crystal engineering of metal-assembled complexes: the effect of a novel organic-inorganic module on supramolecular structure. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 6616-28	4.8	39
1323	Dynamic Porous Properties of Coordination Polymers Inspired by Hydrogen Bonds. <b>2005</b> , 36, no		
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1320	Non-interpenetrated square-grid coordination polymers synthesized using an extremely long N,N'-type ligand. <b>2005</b> , 44, 8762-9		55
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1313	Pore surface engineering of microporous coordination polymers. <b>2006</b> , 701-7	413
1312	{Ag(isonicotinamide)2NO3}2 $\cdot$ 2H <sub>2</sub> O: Stable Form of Silver Nitrate. <b>2006</b> , 59, 22	54
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1304	Novel 3D, 2D, and 0D first-row coordination compounds with 4,4'-bipyridine-N,N'-dioxide incorporating sulfur-containing anions. <b>2006</b> , 45, 3287-94	36
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1246	Reversible single crystal to single crystal transformation through Fe-O(H)Me/Fe-OH(2) bond formation/bond breaking in a gas-solid reaction at an ambient condition. <b>2007</b> , 129, 3464-5		96
1245	{Ln(III)[μ <sup>5</sup> -κ <sup>2</sup> ,κ <sup>1</sup> ,κ <sup>1</sup> ,κ <sup>1</sup> ,κ <sup>1</sup> -1,2-(CO <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> ][isonicotine][H <sub>2</sub> O]} <sub>2</sub> Cu(I) x X (Ln = Eu, Sm, Nd; X = ClO <sub>4</sub> <sup>-</sup> , Cl <sup>-</sup> ): a new pillared-layer approach to heterobimetallic 3d-4f 3d-network solids. <b>2007</b> , 46, 10534-8		104
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1237	Borderline microporous-ultramicroporous palladium(II) coordination polymer networks. Effect of pore functionalisation on gas adsorption properties. <b>2007</b> , 17, 1939-1946		45
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1223	A Mesh-Adjustable Molecular Sieve for General Use in Gas Separation. <b>2007</b> , 119, 2510-2514	51
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1042	Synthesis and modification of a functionalized 3D open-framework structure with MIL-53 topology. <b>2009</b> , 48, 3057-64		324
1041	Modulating metal-organic frameworks to breathe: a postsynthetic covalent modification approach. <b>2009</b> , 131, 16675-7		199
1040	Thermal decomposition reactions as tool for the synthesis of new metal thiocyanate diazine coordination polymers with cooperative magnetic phenomena. <b>2009</b> , 48, 6896-903		71
1039	Selective gas adsorption and separation in metal-organic frameworks. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 1477-504	58.5	6570
1038	Temperature-Controlled Synthesis of Metal-Organic Coordination Polymers: Crystal Structure, Supramolecular Isomerism, and Porous Property. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 4147-4156	3.5	134
1037	Doping of metal-organic frameworks with functional guest molecules and nanoparticles. <b>2010</b> , 293, 77-113		28
1036	[M(C <sub>5</sub> O <sub>5</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>n</sub> ] <sub>2</sub> as a Building Block for Hetero- and Homo-bimetallic Coordination Polymers: From 1D Chains to 3D Supramolecular Architectures. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 1013-1019	3.5	14
1035	Diamondoid Three-Dimensional Metal-Organic Framework Showing Structural Transformation with Guest Molecules. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 4480-4486	3.5	49
1034	Apical ligand substitution, shape recognition, vapor-adsorption phenomenon, and microcalorimetry for a pillared bilayer porous framework that shrinks or expands in crystal-to-crystal manners upon change in the cobalt(II) coordination environment. <b>2009</b> , 48, 7070-9		117
1033	Enantiopure and Racemic Sandwich-like Networks with Dehydration, Readsorption, and Selective Guest-Exchange Phase Transformations. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 457-465	3.5	41
1032	Vapor-diffusion-mediated single crystal-to-single crystal transformation of a discrete dimeric copper(II) complex to a discrete tetrameric copper(II) complex. <b>2009</b> , 48, 4652-4		47
1031	Preparation and gas adsorption studies of three mesh-adjustable molecular sieves with a common structure. <b>2009</b> , 131, 6445-51		108
1030	Double structural transition in hybrid material MIL-53 upon hydrocarbon adsorption: the thermodynamics behind the scenes. <b>2009</b> , 131, 3442-3		69
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1028	Porous coordination polymer with pyridinium cationic surface, [Zn(2)(tpa)(2)(cpb)]. <b>2009</b> , 131, 10336-7		108
1027	In situ solid state formation of copper(I) coordination polymers by thermal reduction of copper(II) precursor compounds: structure and reactivity of [Cu(NCS) <sub>2</sub> (pyrimidine) <sub>2</sub> ] <sub>n</sub> . <b>2009</b> , 10192-8		28
1026	Self-Assembly of Chiral Organoplatinum(IV) Complexes with Both Carboxylic Acid and Amide Groups. <b>2009</b> , 28, 5052-5060		10

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1023	Supramolecular Organoplatinum(IV) Chemistry: Sequential Introduction of Amide Hydrogen Bonding Groups. <b>2009</b> , 28, 3754-3762		5
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1020	Crystallization Behavior of Coordination Polymers. 1. Kinetic and Thermodynamic Features of 1,3-Bis(4-pyridyl)propane/MCl <sub>2</sub> Systems. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 5024-5034	3.5	22
1019	Metallic and bimetallic nanocatalysts incorporated into highly porous coordination polymer MIL-101. <b>2009</b> , 19, 7625		267
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1017	Vapour Induced Crystalline Transformation Investigated by ab initio Powder X-ray Diffraction Analysis. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 1201-1207	3.5	36
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1009	Porous Coordination Polymers Towards Gas Technology. <b>2009</b> , 96-106		
1008	Crystal structures and solid-state CP/MAS <sup>13</sup> C NMR correlations in luminescent zinc(II) and cadmium(II) mixed-ligand coordination polymers constructed from 1,2-bis(1,2,4-triazol-4-yl)ethane and benzenedicarboxylate. <b>2009</b> , 1742-51		191

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1005	Zeolitic polyoxometalate-based metal-organic frameworks (Z-POMOFs): computational evaluation of hypothetical polymorphs and the successful targeted synthesis of the redox-active Z-POMOF1. <b>2009</b> , 131, 16078-87		246
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996	Estimation of the breathing energy of flexible MOFs by combining TGA and DSC techniques. <b>2009</b> , 2733-5		48
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991	Two Metal-Carboxylate Frameworks Featuring Uncommon 2D + 3D and 3-Fold-Interpenetration: (3,5)-Connected Isomeric hms and gra Nets. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 2415-2419	3-5	68
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934	Regioselective Huisgen Cycloaddition within Porous Coordination Networks. <b>2010</b> , 122, 2425-2427			13
933	Cinchona Alkaloid-Metal Complexes: Noncovalent Porous Materials with Unique Gas Separation Properties. <b>2010</b> , 122, 7189-7193			8
932	Time-resolved in situ diffraction study of the solvothermal crystallization of some prototypical metal-organic frameworks. <b>2010</b> , 49, 763-6			172
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921	Engineering of coordination polymers for shape selective alkylation of large aromatics and the role of defects. <b>2010</b> , 129, 319-329			166
920	Synthesis and structures of CoII, NiII, and CuII coordination frameworks formed by a flexible 1,3-phenylenediacetic acid ligand. <b>2010</b> , 976, 168-173			2
919	Three novel coordination polymers incorporating overlapped 0D Zn units, 1D zigzag Co chains and 2D interlocking 24-member Mn rings Syntheses, structures and properties. <b>2010</b> , 13, 689-693			1
918	Binuclear, 2D grid and 3D interlocking coordination polymers based on 1,2,4,5-benzenetetracarboxylic acid and 4,4'-azobispyridine. <b>2010</b> , 13, 1014-1017			24



917	Synthesis, Crystal Structure, and Thermal, Magnetic and Spectroscopic Properties of New Thiocyanato Transition Metal Coordination Polymers Based on Pyrimidine as Ligand. <b>2010</b> , 636, 569-575	28
916	One-Dimensional and Two-Dimensional Coordination Polymers of Copper(II) Nitrobenzoate with Bridging 3-Pyridylmethanol Ligand. <b>2010</b> , 636, 589-594	4
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907	Zeolitic polyoxometalates metal organic frameworks (Z-POMOF) with imidazole ligands and epsilon-Keggin ions as building blocks; computational evaluation of hypothetical polymorphs and a synthesis approach. <b>2010</b> , 12, 8632-9	49
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