

Systematic Design of Pore Size and Functionality in Iso Application in Methane Storage

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Citation Report

#	ARTICLE	IF	CITATIONS
12	Microporous Materials. <i>Science Progress</i> , 2002, 85, 319-345.	1.0	6
13	SOLID STATE CHEMISTRY: Porous Materials with a Difference. <i>Science</i> , 2002, 298, 1723-1724.	6.0	15
14	The First "Organic Zeolite" with Isomerizing Building Blocks: Single-Crystal-to-Single-Crystal Desolvation and Structure of the Empty Matrix. <i>Crystal Growth and Design</i> , 2002, 2, 401-408.	1.4	43
15	Hydrothermal Synthesis, Structure Determination, and Magnetic Properties of Three New Copper(II) Methylenediphosphonates with Hybrid Frameworks (MIL-54, 55, 56), and of the Cu Homologue of Na ₂ Co(O ₃ P-CH ₂ -PO ₃)·(H ₂ O). <i>Chemistry of Materials</i> , 2002, 14, 4910-4918.	3.2	43
16	Syntheses and Characterizations of Copper(II) Polymeric Complexes Constructed from 1,2,4,5-Benzenetetracarboxylic Acid. <i>Inorganic Chemistry</i> , 2002, 41, 6161-6168.	1.9	210
17	Coordination networks of Ag(I) and N,N'-bis(3-pyridinecarboxamide)-1,6-hexane: structures and anion exchange. <i>Dalton Transactions RSC</i> , 2002, , 4561-4568.	2.3	197
18	Self-Assembly of Phase-Segregated Liquid Crystal Structures. <i>Science</i> , 2002, 295, 2414-2418.	6.0	1,259
19	Aziridination of <i>l</i> ² -substituted styrene derivatives with 3-acetoxyaminoquinazolin-4(3H)-ones: probing transition state geometry from changes in diastereoselectivity. <i>Perkin Transactions II RSC</i> , 2002, , 819-828.	1.1	10
20	Advances in the chemistry of metal-organic frameworks. <i>CrystEngComm</i> , 2002, 4, 401-404.	1.3	271
21	Copper(II) and cobalt(II) coordination polymers with bridging 1,2,4,5-benzenetetracarboxylate and N-methylimidazole: coordination number-determined sheet topology. <i>Dalton Transactions RSC</i> , 2002, , 4555.	2.3	49
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23	Coordination-Driven Self-Assembly: Solids with Bidirectional Porosity. <i>Journal of the American Chemical Society</i> , 2002, 124, 7266-7267.	6.6	122
24	[VIII(H ₂ O)] ₃ O(O ₂ CC ₆ H ₄ CO ₂) ₃ ·(Cl, 9H ₂ O) (MIL-59): a rare example of vanadocarboxylate with a magnetically frustrated three-dimensional hybrid framework. <i>Chemical Communications</i> , 2002, , 1492-1493.	2.2	119
25	Designing neutral coordination networks with the aid of hydrogen bond mimicry using silver(I) carboxylates. <i>CrystEngComm</i> , 2002, 4, 239-248.	1.3	54
26	Pillared clay mimics from dicarboxylic acids and flexible diamines. <i>CrystEngComm</i> , 2002, 4, 282-287.	1.3	72
27	Coordination polymers: toward functional transition metal sustained materials and supermolecules. <i>Current Opinion in Solid State and Materials Science</i> , 2002, 6, 117-123.	5.6	161
28	Guest-Dependent Spin Crossover in a Nanoporous Molecular Framework Material. <i>Science</i> , 2002, 298, 1762-1765.	6.0	1,428
29	Hydrothermal synthesis and structure determination of Na ₂ Zn{O ₃ P(CH ₂) ₂ PO ₃ }.H ₂ O (MIL-58): a new zincomethylenediphosphonate exhibiting a hybrid zeotype. <i>Solid State Sciences</i> , 2002, 4, 841-844.	1.5	19

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30	A new three-dimensional iron trimesate: $[\text{Fe}_3(\text{H}_2\text{O})_5(\text{C}_9\text{O}_6\text{H}_3)_2 \cdot 3\text{H}_2\text{O}] \cdot \text{MIL-65}$. <i>Solid State Sciences</i> , 2002, 4, 1221-1225.	1.5	22
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32	Assembly of a microporous metal-organic framework $[\text{Zn}(\text{bpdc})(\text{DMSO})]$ (bpdc=4,4'-biphenyldicarboxylate) based on paddle-wheel units affording guest inclusion. <i>Inorganic Chemistry Communication</i> , 2002, 5, 975-977.	1.8	28
33	Stabilization of guest-free forms of metal dibenzoylmethanate host type through self-inclusion of a ligand fragment into the intramolecular pocket. <i>Journal of Supramolecular Chemistry</i> , 2002, 2, 441-448.	0.4	9
34	The mononuclear cobalt(II) complex $\text{Co}(\text{DMBDIZ})_2(\text{NCS})_2$, where DMBDIZ is 2,6-dimethylbenzo[1,2-d:4,5-d']diimidazole. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, m459-m460.	0.4	6
35	Ordered porous materials for emerging applications. <i>Nature</i> , 2002, 417, 813-821.	13.7	4,882
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40	Synthesis, structure determination and magnetic behaviour of the first porous hybrid oxyfluorinated vanado(III) carboxylate: MIL-71 or $\text{V}(\text{OH})_2\text{F}_2\{\text{O}_2\text{C}-\text{C}_6\text{H}_4-\text{CO}_2\} \cdot \text{H}_2\text{O}$. <i>Journal of Materials Chemistry</i> , 2003, 13, 2208-2212.	6.7	84
41	$[\text{Zn}(\text{bim})_2] \cdot (\text{H}_2\text{O})_{1.67}$: A metal-organic open-framework with sodalite topology. <i>Science Bulletin</i> , 2003, 48, 1531-1534.	1.7	38
42	Real, virtual and not yet discovered porous structures using scale chemistry and/or simulation. A tribute to Sten Andersson. <i>Solid State Sciences</i> , 2003, 5, 79-94.	1.5	41
43	Novel coordination polymers based on nickel(II) and 2,6-naphthalenedicarboxylate. <i>Solid State Sciences</i> , 2003, 5, 303-310.	1.5	30
44	Syntheses and Crystal Structures of Two Novel Zinc(II) Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 2678-2682.	1.0	56
45	A Novel Three-Dimensional Metal-Organic Framework Constructed from Two-Dimensional Interpenetrating Layers Based on Trinuclear Cobalt Clusters: $[\text{Co}_3(\text{btec})(\text{C}_2\text{O}_4)(\text{H}_2\text{O})_2]_n$. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 2567-2571.	1.0	80
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47	Ein kristallines supramolekulares Kleinod. <i>Angewandte Chemie</i> , 2003, 115, 1724-1725.	1.6	2

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51	Toward Fully Synthetic N-Linked Glycoproteins. Angewandte Chemie, 2003, 115, 447-450.	1.6	18
52	Title is missing!. Angewandte Chemie, 2003, 115, 550-553.	1.6	21
53	Title is missing!. Angewandte Chemie, 2003, 115, 560-564.	1.6	58
54	A Nanotubular 3D Coordination Polymer Based on a 3d-4f Heterometallic Assembly. Angewandte Chemie, 2003, 115, 964-966.	1.6	33
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63	A Nanotubular 3D Coordination Polymer Based on a 3d-4f Heterometallic Assembly. Angewandte Chemie - International Edition, 2003, 42, 934-936.	7.2	462
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68	Structures and properties of Zn(II) coordination polymers. <i>Coordination Chemistry Reviews</i> , 2003, 246, 203-228.	9.5	429
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70	Polycatenation, polythreading and polyknotting in coordination network chemistry. <i>Coordination Chemistry Reviews</i> , 2003, 246, 247-289.	9.5	1,880
71	Nickel(II) and manganese(II) 1D chain coordination polymers with 1,2,4,5-benzenetetracarboxylate anions. <i>Inorganica Chimica Acta</i> , 2003, 351, 242-250.	1.2	34
72	Triply interpenetrating coordination polymers based on paddle-wheel type secondary-building units of M ₂ (CO ₂ R) ₄ : [Ni ₃ (2,6-NDC) ₃ (bipy) _{1.5}], [Co ₃ (2,6-NDC) ₃ (bipy) _{1.5}], and [Co(1,3-BDC)(bipyen)] (2,6-NDC=2,6-naphthalenedicarboxylate; 1,3-BDC=1,3-benzenedicarboxylate; bipy=4,4'-bipyridine; Tj ETQq1 1 0.784314 rgBT /Over	1.2	90
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75	Guest-binding properties of functionally porous crystal based on metal complex of p-tert-butylthiacalix[6]arene. <i>Tetrahedron Letters</i> , 2003, 44, 1355-1358.	0.7	29
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77	Binary metal(II)-pyromellitate coordination polymers, M ₂ (pm) (M=Co, Fe, Mn): synthesis, structures and magnetic properties. <i>Polyhedron</i> , 2003, 22, 1921-1927.	1.0	37
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81	Synthesis and spectroscopic study of mesoporous aluminum methylphosphonate foam templated by dibutyl methylphosphonate. <i>Microporous and Mesoporous Materials</i> , 2003, 62, 61-71.	2.2	5
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86	A transition metal complex containing pyrazine-2,5-dicarboxylato bridging ligands: a novel three-dimensional manganese(II) compound. <i>Inorganic Chemistry Communication</i> , 2003, 6, 1224-1227.	1.8	18
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101	Designed layer assembly: a three-dimensional framework with 74% extra-framework volume by connection of infinite two-dimensional sheets Electronic supplementary information (ESI) available: structure of the AAA stacked pyridine phase, asymmetric unit of 1, structure of phase 2, thermal stability of phase 2. See http://www.rsc.org/suppdata/cc/b2/b211124c/ . <i>Chemical Communications</i> , 2003, , 500-501.	2.2	130
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127	Assembly of a manganese(ii) pyridine-3,4-dicarboxylate polymeric network based on infinite Mn-O-C chains. <i>Dalton Transactions</i> , 2003, , 28-30.	1.6	67
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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2106	Framework mobility in the metal-organic framework crystal IRMOF-3: Evidence for aromatic ring and amine rotation. <i>Journal of Molecular Structure</i> , 2011, 1004, 94-101.	1.8	68
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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2442	Control of framework interpenetration for in situ modified hydroxyl functionalised IRMOFs. <i>Chemical Communications</i> , 2012, 48, 10328.	2.2	64
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2458	Microporous metal-organic frameworks for storage and separation of small hydrocarbons. <i>Chemical Communications</i> , 2012, 48, 11813.	2.2	297
2459	Impact of Alkyl-Functionalized BTC on Properties of Copper-Based Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2012, 12, 3709-3713.	1.4	65
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2464	Soft synthesis of isocyanate-functionalised metal-organic frameworks. <i>Dalton Transactions</i> , 2012, 41, 14236.	1.6	12
2465	Bench-scale preparation of Cu ₃ (BTC) ₂ by ethanol reflux: Synthesis optimization and adsorption/catalytic applications. <i>Microporous and Mesoporous Materials</i> , 2012, 161, 48-55.	2.2	74
2466	Imaging of intact MOF-5 nanocrystals by advanced TEM at liquid nitrogen temperature. <i>Microporous and Mesoporous Materials</i> , 2012, 162, 131-135.	2.2	65
2467	Novel decavanadate cluster complexes [H ₂ V ₁₀ O ₂₈][LH] ₄ ·nH ₂ O (L=imidazole, n=2 or 2-methylimidazole,) <i>Tj ETQq0 0 0 rgBT /Overlock</i> 86-91.	1.8	15
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2471	New insight into mesoporous silica for nano metal-organic framework. <i>Journal of Colloid and Interface Science</i> , 2012, 384, 110-115.	5.0	34
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2475	The impact of ligands upon topology and functionality of octacyanidometallate-based assemblies. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1946-1971.	9.5	164
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2478	Metal-organic frameworks for the storage and delivery of biologically active hydrogen sulfide. <i>Dalton Transactions</i> , 2012, 41, 4060.	1.6	128
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2484	Characterization of Zn-Containing Metal-Organic Frameworks by Solid-State ⁶⁷ Zn NMR Spectroscopy and Computational Modeling. <i>Chemistry - A European Journal</i> , 2012, 18, 12251-12259.	1.7	66
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2486	Postsynthetic Ligand and Cation Exchange in Robust Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2012, 134, 18082-18088.	6.6	702
2487	Cooperative Template-Directed Assembly of Mesoporous Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2012, 134, 126-129.	6.6	330

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2491	Exceptional surface area from coordination copolymers derived from two linear linkers of differing lengths. <i>Chemical Science</i> , 2012, 3, 2429.	3.7	63
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2493	Adsorption of Hydrocarbons in Metal-Organic Frameworks: A Force Field Benchmark on the Example of Benzene in Metal-Organic Framework 5. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15369-15377.	1.5	14
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2495	Metal-organic frameworks in mixed-matrix membranes for gas separation. <i>Dalton Transactions</i> , 2012, 41, 14003.	1.6	442
2496	Methane storage in advanced porous materials. <i>Chemical Society Reviews</i> , 2012, 41, 7761.	18.7	716
2497	Metal-organic frameworks post-synthetically modified with ferrocenyl groups: framework effects on redox processes and surface conduction. <i>Dalton Transactions</i> , 2012, 41, 1475-1480.	1.6	57
2498	HKUST-1 as an open metal site gas chromatographic stationary phase capillary preparation, separation of small hydrocarbons and electron donating compounds, determination of thermodynamic data. <i>Journal of Materials Chemistry</i> , 2012, 22, 10228.	6.7	80
2499	Structural systematic design of organic templated samarium sulfates and their luminescence property. <i>RSC Advances</i> , 2012, 2, 217-225.	1.7	14
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2503	Enhanced Hydrostability in Ni-Doped MOF-5. <i>Inorganic Chemistry</i> , 2012, 51, 9200-9207.	1.9	219
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2505	Photolabile protecting groups in metal-organic frameworks: preventing interpenetration and masking functional groups. <i>Chemical Communications</i> , 2012, 48, 1574-1576.	2.2	77
2506	Highly Selective Carbon Dioxide Uptake by [Cu(bpy) ₂ (SiF ₆)] (bpy-1 =) Tj ETQq1 1 0.784314 rgBT 3663-3666.	6.6	303

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2509	Remarkable solvent-size effects in constructing novel porous 1,3,5-benzenetricarboxylate metal-organic frameworks. <i>CrystEngComm</i> , 2012, 14, 5596.	1.3	68
2510	A novel series of isorecticular metal organic frameworks: realizing metastable structures by liquid phase epitaxy. <i>Scientific Reports</i> , 2012, 2, 921.	1.6	183
2511	Ion Exchange in Metal-Organic Framework for Water Purification: Insight from Molecular Simulation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6925-6931.	1.5	77
2512	N-donor ligand mediated assembly of divalent zinc and cadmium coordination polymers based on 2,3,2,3-thiaphthalic acid: structures and properties. <i>CrystEngComm</i> , 2012, 14, 4444.	1.3	25
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2514	CO ₂ capture and conversion using Mg-MOF-74 prepared by a sonochemical method. <i>Energy and Environmental Science</i> , 2012, 5, 6465-6473.	15.6	463
2515	Synthesis, crystal structure and properties of a novel framework aluminium diphosphonate. <i>RSC Advances</i> , 2012, 2, 10291.	1.7	3
2517	Activated carbon monoliths for gas storage at room temperature. <i>Energy and Environmental Science</i> , 2012, 5, 9833.	15.6	109
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2519	Five Novel Coordination Polymers Based on a C-Centered Triangular Flexible Ligand. <i>Crystal Growth and Design</i> , 2012, 12, 1022-1031.	1.4	38
2520	Rational Tuning of Water Vapor and CO ₂ Adsorption in Highly Stable Zr-Based MOFs. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23526-23532.	1.5	129
2521	Introducing a photo-switchable azo-functionality inside Cr-MIL-101-NH ₂ by covalent post-synthetic modification. <i>Dalton Transactions</i> , 2012, 41, 8690.	1.6	138
2522	Synthesis of nanoporous copper terephthalate [MIL-53(Cu)] as a novel methane-storage adsorbent. <i>Journal of Natural Gas Chemistry</i> , 2012, 21, 680-684.	1.8	30
2523	Hydrothermal synthesis and crystal structure of novel bis(6-carboxypyridine-2-carboxylato)tris(2,2,6,6-tetramethylpiperidine-1-oxyl)nickel(II) complex. <i>CrystEngComm</i> , 2012, 14, 10119.	1.8	4
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2525	Hydrogen storage in lithium-decorated benzene complexes. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17153-17157.	3.8	8
2526	Rotational flexibility of bridging ligands in paddle-wheel layer-pillar metal-organic frameworks studied by quantum calculations. <i>Computational and Theoretical Chemistry</i> , 2012, 1001, 33-38.	1.1	1

#	ARTICLE	IF	CITATIONS
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2528	Preparation of Ni-MOF-74 membrane for CO ₂ separation by layer-by-layer seeding technique. <i>Microporous and Mesoporous Materials</i> , 2012, 163, 169-177.	2.2	115
2529	Surprising role of the BDC organic ligand in the adsorption of CO ₂ by MOF-5. <i>Microporous and Mesoporous Materials</i> , 2012, 163, 186-191.	2.2	24
2530	Investigation of Porous Silica Supported Mixed-Amine Sorbents for Post-Combustion CO ₂ Capture. <i>Energy & Fuels</i> , 2012, 26, 2483-2496.	2.5	135
2533	Geometry analysis and systematic synthesis of highly porous isorecticular frameworks with a unique topology. <i>Nature Communications</i> , 2012, 3, 642.	5.8	145
2534	Self-assembly, crystal structures, and properties of metal-2-sulfoterephthalate frameworks based on [M ₄ (1/43-OH) ₂] ⁶⁺ clusters (M = Co, Mn, Zn and Cd). <i>Dalton Transactions</i> , 2012, 41, 2639.	1.6	30
2535	A porous metal-organic framework with helical chain building units exhibiting facile transition from micro- to meso-porosity. <i>Chemical Communications</i> , 2012, 48, 883-885.	2.2	50
2536	Assembly of Discrete One-, Two-, and Three-Dimensional Zn(II) Complexes Containing Semirigid V-Shaped Tricarboxylate Ligands. <i>Crystal Growth and Design</i> , 2012, 12, 1452-1463.	1.4	109
2537	Synthesis, Crystal Structures, and Luminescence Properties of Carboxylate Based Rare-Earth Coordination Polymers. <i>Inorganic Chemistry</i> , 2012, 51, 11623-11634.	1.9	177
2538	An organosilicon hexacarboxylic acid and its use in the construction of a novel metal organic framework isorecticular to MOF-5. <i>CrystEngComm</i> , 2012, 14, 758-760.	1.3	24
2539	Synthesis of novel ZnS nanocages utilizing ZIF-8 polyhedral template. <i>Chemical Communications</i> , 2012, 48, 3620.	2.2	128
2540	Ab Initio Parametrized Force Field for the Flexible Metal-Organic Framework MIL-53(Al). <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 3217-3231.	2.3	69
2541	Oxygen sensing via phosphorescence quenching of doped metal-organic frameworks. <i>Journal of Materials Chemistry</i> , 2012, 22, 10329.	6.7	89
2542	Investigation of in Situ Oxalate Formation from 2,3-Pyrazinedicarboxylate under Hydrothermal Conditions Using Nuclear Magnetic Resonance Spectroscopy. <i>Inorganic Chemistry</i> , 2012, 51, 3883-3890.	1.9	52
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2553	Understanding nanofluid stability through molecular simulation. <i>Chemical Physics Letters</i> , 2012, 551, 115-120.	1.2	10
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#	ARTICLE	IF	CITATIONS
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2610	Metal-organic frameworks with dynamic interlocked components. <i>Nature Chemistry</i> , 2012, 4, 456-460.	6.6	260
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2612	Metal-organic framework growth at functional interfaces: thin films and composites for diverse applications. <i>Chemical Society Reviews</i> , 2012, 41, 2344-2381.	18.7	537
2613	Highly Porous 4,8-Connected Metal-Organic Frameworks: Synthesis, Characterization, and Hydrogen Uptake. <i>Inorganic Chemistry</i> , 2012, 51, 2503-2508.	1.9	24
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2616	Large-Pore Apertures in a Series of Metal-Organic Frameworks. <i>Science</i> , 2012, 336, 1018-1023.	6.0	1,729
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2618	Current Status of Metal-Organic Framework Membranes for Gas Separations: Promises and Challenges. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2179-2199.	1.8	466
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#	ARTICLE	IF	CITATIONS
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2622	Carbon Dioxide Capture in Metal-Organic Frameworks. <i>Chemical Reviews</i> , 2012, 112, 724-781.	23.0	5,612
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2634	Mesoporous metal-organic framework materials. <i>Chemical Society Reviews</i> , 2012, 41, 1677-1695.	18.7	830
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2639	Power struggles between oligopeptides and cyclodextrin vesicles. <i>Soft Matter</i> , 2012, 8, 8770.	1.2	12
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2642	Entangled Metal-Organic Frameworks of <i>m</i> -Phenylenediacrylate Modulated by Bis(pyridyl) Ligands. <i>Crystal Growth and Design</i> , 2012, 12, 2234-2241.	1.4	41
2643	Structural Diversity of Four Metal-Organic Frameworks Based on Linear Homo/Heterotrinnuclear Nodes with Furan-2,5-dicarboxylic Acid: Crystal Structures and Luminescent and Magnetic Properties. <i>Crystal Growth and Design</i> , 2012, 12, 2602-2612.	1.4	61
2644	Methane storage in metal organic frameworks. <i>Journal of Materials Chemistry</i> , 2012, 22, 16698.	6.7	153
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2650	Tin(II) and Tin(IV) Compounds with Scorpion-Shaped Ligands - Intramolecular N \uparrow 'Sn vs. Intermolecular O \uparrow 'Sn Coordination. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3191-3199.	1.0	30
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2657	A family of 2D and 3D coordination polymers involving a trigonal tritopic linker. <i>Dalton Transactions</i> , 2012, 41, 4172.	1.6	25
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2659	Thermal post-synthetic modification of Al-MIL-53-COOH: systematic investigation of the decarboxylation and condensation reaction. <i>CrystEngComm</i> , 2012, 14, 4119.	1.3	76
2660	Conversion of azide to primary amine via Staudinger reaction in metal-organic frameworks. <i>CrystEngComm</i> , 2012, 14, 4137.	1.3	19
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2662	Thermodynamic analysis of Xe/Kr selectivity in over 137,000 hypothetical metal-organic frameworks. <i>Chemical Science</i> , 2012, 3, 2217.	3.7	248
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2666	Commensurate Adsorption of Hydrocarbons and Alcohols in Microporous Metal Organic Frameworks. <i>Chemical Reviews</i> , 2012, 112, 836-868.	23.0	985
2667	Conventional and Unconventional Metal-Organic Frameworks Based on Phosphonate Ligands: MOFs and UMOFs. <i>Chemical Reviews</i> , 2012, 112, 1034-1054.	23.0	588
2668	Metal-Organic Framework Materials as Chemical Sensors. <i>Chemical Reviews</i> , 2012, 112, 1105-1125.	23.0	6,221
2669	Novel Metal-Organic Framework Based on Cubic and Trisectahedral Supermolecular Building Blocks: Topological Analysis and Photoluminescent Property. <i>Crystal Growth and Design</i> , 2012, 12, 2736-2739.	1.4	93
2670	A Superacid-Catalyzed Synthesis of Porous Membranes Based on Triazine Frameworks for CO_2 Separation. <i>Journal of the American Chemical Society</i> , 2012, 134, 10478-10484.	6.6	408
2671	Ab initio investigations on the crystal structure, formation enthalpy, electronic structure, chemical bonding, and optical properties of experimentally synthesized isorecticular metal-organic framework-10 and its analogues: M-IRMOF-10 (M = Zn, Cd, Be, Mg, Ca, Sr and Ba). <i>RSC Advances</i> , 2012, 2, 1618-1631.	1.7	63
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#	ARTICLE	IF	CITATIONS
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2778	Experimental and theoretical study of methane adsorption on granular activated carbons. <i>AIChE Journal</i> , 2012, 58, 782-788.	1.8	24
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2788	A series of metal-organic frameworks with high methane uptake and an empirical equation for predicting methane storage capacity. <i>Energy and Environmental Science</i> , 2013, 6, 2735.	15.6	193
2789	A Robust Molecular Porous Material with High CO ₂ Uptake and Selectivity. <i>Journal of the American Chemical Society</i> , 2013, 135, 10950-10953.	6.6	236
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2791	Limitations and high pressure behavior of MOF-5 for CO ₂ capture. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14319.	1.3	42
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2795	Adsorption of hydrogen sulphide on Metal-Organic Frameworks. <i>RSC Advances</i> , 2013, 3, 14737.	1.7	49
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2797	Chiral microporous Ti(salan)-based metal-organic frameworks for asymmetric sulfoxidation. <i>Chemical Communications</i> , 2013, 49, 7120.	2.2	43
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2806	Adsorption/catalytic properties of MIL-125 and NH ₂ -MIL-125. <i>Catalysis Today</i> , 2013, 204, 85-93.	2.2	406
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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4503	Pyrolysis of Helical Coordination Polymers for Metal-Sulfide-Based Helices with Broadband Chiroptical Activity. <i>ACS Nano</i> , 2017, 11, 5309-5317.	7.3	14

#	ARTICLE	IF	CITATIONS
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4506	ZIF-derived nitrogen-doped porous carbons as highly efficient adsorbents for removal of organic compounds from wastewater. <i>Chemical Engineering Journal</i> , 2017, 323, 502-511.	6.6	140
4507	Computational Design of Porous Graphenes for Alkane Isomer Separation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10063-10070.	1.5	17
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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5416	An extensive comparative analysis of two MOF databases: high-throughput screening of computation-ready MOFs for CH ₄ and H ₂ adsorption. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9593-9608.	5.2	87
5417	MOF-on-MOF: Oriented Growth of Multiple Layered Thin Films of Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2019, 131, 6960-6964.	1.6	37
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#	ARTICLE	IF	CITATIONS
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5433	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15188-15205.	7.2	493
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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