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## Luminescent metal-organic frameworks

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2130	Highly Connected Three-Dimensional Metal-Organic Frameworks Based on Polynuclear Secondary Building Units. <b>2010</b> , 10, 3675-3684	72
2129	Mixed azide and 5-(pyrimidyl)tetrazole bridged Co(II)/Mn(II) polymers: synthesis, crystal structures, ferroelectric and magnetic behavior. <b>2010</b> , 49, 8583-90	86
2128	Nanoscale Ln(III)-carboxylate coordination polymers (Ln = Gd, Eu, Yb): temperature-controlled guest encapsulation and light harvesting. <b>2010</b> , 132, 10391-7	88
2127	Metal-organogermanate frameworks built by two kinds of infinite Ge-O chains with high thermostability and luminescent properties. <b>2010</b> , 49, 10211-3	17
2126	Tunable, Ligand-Based Emission from Inorganic-Organic Frameworks: A New Approach to Phosphors for Solid State Lighting and Other Applications. <b>2010</b> , 22, 2255-2260	62
2125	A porous metal-organic replica of PbO2 for capture of nerve agent surrogate. <b>2010</b> , 132, 17996-9	65
2124	Lanthanide luminescence for functional materials and bio-sciences. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 189-227	58.5 2697
2123	Metal-organic framework (MOF): lanthanide(III)-doped approach for luminescence modulation and luminescent sensing. <b>2010</b> , 39, 4485-8	152
2122	Growth of metal-organic frameworks on polymer surfaces. <b>2010</b> , 132, 15687-91	133
2121	Heteroepitaxial Growth of Isorecticular Metal-Organic Frameworks and Their Hybrid Films. <b>2010</b> , 10, 1283-1288	102
2120	Mechanochemical synthesis of homo- and hetero-rare-earth(III) metal-organic frameworks by ball milling. <b>2010</b> , 12, 3515	74
2119	Structural Modulation and Properties of Silver(I) Coordination Frameworks with Benzenedicarboxylate Tectons and trans-1-(2-Pyridyl)-2-(4-pyridyl)ethylene Spacer. <b>2010</b> , 10, 1623-1632	58
2118	Fast Microwave Synthesis of a Microporous Lanthanide-Organic Framework. <b>2010</b> , 10, 2025-2028	31
2117	Reinvestigation of the M(II) (M = Ni, Co)/tetrathiafulvalenetetracarboxylate system using high-throughput methods: isolation of a molecular complex and its single-crystal-to-single-crystal transformation to a two-dimensional coordination polymer. <b>2010</b> , 49, 10710-7	61
2116	A Luminescent Eight-Coordinated 2D Cd(II) Framework Material with Flexible Multi-Carboxylate Ligand. <b>2010</b> , 40, 231-236	3
2115	Structure and physical properties of substituted malonate divalent metal coordination polymers with dipyridylamine co-ligands: acentric chain, herringbone layer, and novel binodal network topologies. <b>2010</b> , 12, 888-897	20

2114	Europium-based metal-organic framework as a photocatalyst for the one-electron oxidation of organic compounds. <b>2010</b> , 26, 10437-43	91
2113	Porous phosphorescent coordination polymers for oxygen sensing. <b>2010</b> , 132, 922-3	556
2112	Prussian blue analogues for CO(2) and SO(2) capture and separation applications. <b>2010</b> , 49, 4909-15	128
2111	Synthesis Structures, and Properties of Functional 2-D Lanthanide Coordination Polymers [Ln <sub>2</sub> (dpa) <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sub>n</sub> (dpa = 2,2'-(2-methylbenzimidazolium-1,3-diyl)diacetate, C <sub>2</sub> O <sub>4</sub> <sup>2-</sup> = oxalate, Ln = Nd, Eu, Gd, Tb). <b>2010</b> , 10, 2960-2968	56
2110	A Unique Optical and Electrical Multifunctional Metal-Organic Framework Based on Polynuclear Rod-Shaped Secondary Building Units Constructed from a Three Birds with One Stone In Situ Reaction Process. <b>2010</b> , 10, 2272-2277	37
2109	Luminescent Metal-Organic Frameworks: A Nanolaboratory for Probing Energy Transfer via Interchromophore Interactions. <b>2010</b> , 28, 137-143	4
2108	Excimer formation in crystalline and nanostructured coordination polymers. <b>2010</b> , 46, 8282-4	34
2107	Phase-Transition and Phase-Selective Synthesis of Porous Chromium-Benzenedicarboxylates. <b>2010</b> , 10, 1860-1865	93
2106	Unique (3,12)-connected porous lanthanide-organic frameworks based on Ln(4)O(4) clusters: synthesis, crystal structures, luminescence, and magnetism. <b>2010</b> , 49, 1865-71	106
2105	Long-range ordering or not: magnetic properties modulated by second ligands in flexible three-dimensional metal-organic frameworks. <b>2010</b> , 46, 5349-51	44
2104	Gas storage in porous metal-organic frameworks for clean energy applications. <b>2010</b> , 46, 44-53	1102
2103	X-ray absorption spectroscopies: useful tools to understand metallorganic frameworks structure and reactivity. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 4885-927	58.5 112
2102	Twisted metal-amino acid nanobelts: chirality transcription from molecules to frameworks. <b>2010</b> , 132, 8202-9	100
2101	Divalent zinc and cadmium coordination polymers of a new flexible tetracarboxylate ligand: syntheses, crystal structures and properties. <b>2010</b> , 39, 8022-32	34
2100	Computational screening of metal-organic frameworks for large-molecule chemical sensing. <b>2010</b> , 12, 12621-9	77
2099	Spontaneous resolution upon crystallization of chiral La(III) and Gd(III) MOFs from achiral dihydroxymalonate. <b>2010</b> , 46, 8270-2	108
2098	Effect of N-donor auxiliary ligands on the engineering of crystalline architectures of a series of lead(II) complexes with 5-amino-2,4,6-triiodoisophthalic acid. <b>2010</b> , 12, 1194-1204	48
2097	Helix-based supramolecular isomerism of metal-organic framework. <b>2010</b> , 12, 3579	13

2096	Controllable assembly of copper(I)-iodide coordination polymers by tecton design of benzotriazol-1-yl-based pyridyl ligands: from 2D layer to 3D self-penetrating or homochiral networks. <b>2010</b> , 12, 2203	29
2095	Tetracarboxylate-based Co(II), Ni(II) and Cu(II) three-dimensional coordination polymers: syntheses, structures and magnetic properties. <b>2010</b> , 39, 9123-30	39
2094	Nanoporous metal-organic framework comprising of 1D cobalt oxalate chains and flexible ligands exhibiting both dynamic gas adsorption and antiferromagnetic chain behaviours. <b>2010</b> , 12, 2225	18
2093	Unique Zn(II) coordination entanglement networks with a flexible fluorinated bis-pyridinecarboxamide tecton and benzenedicarboxylates. <b>2010</b> , 46, 8427-9	58
2092	Eight new complexes based on flexible multicarboxylate ligands: synthesis, structures and properties. <b>2010</b> , 12, 3183	10
2091	Structure extending and cation exchange of Cd(II) and Co(II) materials compounds inducing fluorescence signal mutation. <b>2010</b> , 20, 5695	73
2090	Spontaneous resolution of four-coordinate Zn(II) complexes in the formation of three-dimensional metal-organic frameworks. <b>2010</b> , 12, 3487	29
2089	Asymmetric alcoholytic kinetic resolution of styrene oxide catalysed by chiral metal-organic framework crystals. <b>2010</b> , 34, 2389	37
2088	A melamine-dipate-bridged binuclear copper complex with supramolecular architecture: synthesis, structures, and properties of [Cu <sub>2</sub> (MA)(ad) <sub>2</sub> ]·H <sub>2</sub> O and (MA)·[H <sub>2</sub> ad]·H <sub>2</sub> O. <b>2010</b> , 63, 435-447	12
2087	A new Cd <sub>4</sub> -2,4-pyridinedicarboxylate layered coordination polymer consisting of intralayer cavities and reversible network self-adaptation upon dehydration/moisture-absorption. <b>2010</b> , 12, 1779	21
2086	A versatile V-shaped tetracarboxylate building block for constructing mixed-ligand Co(II) and Mn(II) complexes incorporating various N-donor co-ligands. <b>2010</b> , 12, 1227-1237	57
2085	Multifunctional sensing ability of a new Pt/Zn-based luminescent coordination polymer. <b>2010</b> , 39, 3400-6	43
2084	Luminescent boracite-like metal-organic frameworks constructed by Cu-centered CuCu <sub>4</sub> tetrahedra and CuCu <sub>3</sub> triangles with an acentric cubic superlarge cell. <b>2010</b> , 12, 55-58	14
2083	Novel metal-organic frameworks (MOFs) based on heterometallic nodes and 5-methylisophthalate linkers. <b>2011</b> , 13, 1765	8
2082	A robust near infrared luminescent ytterbium metal-organic framework for sensing of small molecules. <b>2011</b> , 47, 5551-3	321
2081	New heterometallic frameworks with flexible sulfonate-carboxylate ligand: syntheses, structures, and properties. <b>2011</b> , 13, 6150	9
2080	Two new 1,2,4,5-cyclohexanetetracarboxylate-bridged frameworks with metal hydroxide subunits. Synthesis, structures, magnetism and adsorption. <b>2011</b> , 40, 3592-600	25
2079	Ag(+)-enhanced fluorescence of lanthanide/nucleotide coordination polymers and Ag(+) sensing. <b>2011</b> , 47, 12373-5	88

2078	Diverse structures and adsorption properties of quasi-Werner-type copper(II) complexes with flexible and polar axial bonds. <b>2011</b> , 40, 2268-74	23
2077	A tri-layer structure consisting of novel heptacobaltate clusters and single cobalt centers bridged by 5-tert-butyl isophthalate. <b>2011</b> , 40, 9731-6	20
2076	Preparation, characterization and photophysical properties of hybrid materials from rare earth complexes of phosphonato-substituted DOTAM derivatives. <b>2011</b> , 35, 1189	5
2075	Metal and ligand binding mode dependent topologies in phthalate coordination polymers with bis(4-pyridylformyl)piperazine co-ligands. <b>2011</b> , 13, 1391-1399	60
2074	Coordination polymers constructed by 1,3-bis(4-pyridyl)propane with four different conformations and 2,2'-dinitro-4,4'-biphenyldicarboxylate ligands: the effects of metal ions. <b>2011</b> , 13, 1291-1298	50
2073	Solvothermal synthesis, structures and physical properties of four new complexes constructed from multi-variant tricarboxylate ligand and pyridyl-based ligands. <b>2011</b> , 13, 459-466	47
2072	Tuning the porosity of lanthanide MOFs with 2,5-pyrazinedicarboxylate and the first in situ hydrothermal carboxyl transfer. <b>2011</b> , 13, 985-991	39
2071	Facile fabrication of photonic MOF films through stepwise deposition on a colloid crystal substrate. <b>2011</b> , 47, 10094-6	44
2070	Homoleptic imidazolate frameworks [Sr(1-x)Eu(x)(Im) <sub>2</sub> ]-hybrid materials with efficient and tuneable luminescence. <b>2011</b> , 47, 496-8	49
2069	Multi-functional metal-organic frameworks based on H <sub>4</sub> mdip: Crystal structure, photoluminescence, selective ion-exchange and catalysis. <b>2011</b> , 13, 7236	21
2068	A facile building-block synthesis of multifunctional lanthanide MOFs. <b>2011</b> , 21, 15544	38
2067	Design and construction of coordination polymers based on 2,2'-dinitro-4,4'-biphenyldicarboxylate and imidazole-based ligands: The effect of ligand length and metal ions. <b>2011</b> , 13, 4592	40
2066	Ancillary ligand-mediated syntheses and fluorescence properties of zinc(II) complexes based on flexible benzene dicarboxylic acid. <b>2011</b> , 13, 3013	59
2065	Halogen bonding or close packing? Examining the structural landscape in a series of Cu(II)-acac complexes. <b>2011</b> , 40, 12160-8	20
2064	Four new metal-organic frameworks constructed from H <sub>2</sub> DBTDC-O <sub>2</sub> (H <sub>2</sub> DBTDC-O <sub>2</sub> = dibenzothiophene-5,5'-dioxide-3,7-dicarboxylic acid) ligand with guest-responsive photoluminescence. <b>2011</b> , 13, 1646-1653	33
2063	Vapour-adsorption and chromic behaviours of luminescent coordination polymers composed of a Pt(II)-diimine metalloligand and alkaline-earth metal ions. <b>2011</b> , 40, 8012-8	38
2062	Thermodynamically controlled coordination-engineering of novel 2D cadmium thiolate coordination polymers. <b>2011</b> , 35, 1265	7
2061	In situ growth of continuous thin metal-organic framework film for capacitive humidity sensing. <b>2011</b> , 21, 3775	124

2060	Understanding ligand-centred photoluminescence through flexibility and bonding of anthraquinone inorganic-organic frameworks. <b>2011</b> , 21, 6595	14
2059	Synthesis, structural characterization and luminescent properties of a series of Cu(I) complexes based on polyphosphine ligands. <b>2011</b> , 40, 7551-8	55
2058	Structural variation from 1D chains to 3D networks: a systematic study of coordination number effect on the construction of coordination polymers using the terephthaloylbisglycinate ligand. <b>2011</b> , 35, 1060	25
2057	Direct use of waste PET as unfailing source of organic reagents in the synthesis of intrinsic white/yellow luminescent nanoporous zincophosphates. <b>2011</b> , 13, 2000	18
2056	Design and construction of coordination polymers by 2,2'-dinitro-4,4'-biphenyldicarboxylate and imidazole-based ligands: diverse structures based on different metal ions. <b>2011</b> , 13, 2457	26
2055	Syntheses, structures and properties of two unusual silver-organic coordination networks: 1D-4D tubular intertwinement and existence of an infinite winding water chain. <b>2011</b> , 40, 788-92	46
2054	An unprecedented (3,7)-connected microporous solvatochromic coordination polymer built on a semirigid tripod pyridinium-4-olate ligand. <b>2011</b> , 13, 6010	17
2053	New pyridine-2,4,6-tricarboxylate coordination polymers: Synthesis, crystal structures and properties. <b>2011</b> , 13, 2699	14
2052	Highly Porous Cross-Linked Polymers for Catalytic Asymmetric Diethylzinc Addition to Aldehydes. <b>2011</b> , 1, 691-697	87
2051	Syntheses, Structures, and Gas Adsorption Properties of Two Novel Cadmium-Sodium Organic Frameworks with 1,3,5-Benzenetricarboxylate Ligands. <b>2011</b> , 11, 3529-3535	22
2050	Synthesis, crystal structures, photoluminescence, and catalytic reactivity of novel coordination polymers (0-D, 1-D, 2-D to 3-D) constructed from cis-1,2-cyclohexanedicarboxylic acid and various bipyridyl ligands. <b>2011</b> , 35, 833	35
2049	Selective Incorporation of Auxiliary Organic Ligands in Metal-Organic Frameworks Based on Twisted $\pi$ -Shaped Building Blocks. <b>2011</b> , 11, 5167-5170	5
2048	Turn-on fluorescence in tetraphenylethylene-based metal-organic frameworks: an alternative to aggregation-induced emission. <b>2011</b> , 133, 20126-9	533
2047	Organic Templated Cuprous Cyanide Open Frameworks Based on Cu <sub>2</sub> (CN) <sub>6</sub> Dimer with Strong and Long-Lived Luminescence. <b>2011</b> , 11, 3101-3108	29
2046	Ligand geometry-driven formation of different coordination polymers from Zn(NO <sub>3</sub> ) <sub>2</sub> , 1,4-bpeb and phenylenediacetic acids. <b>2011</b> , 13, 1851-1857	60
2045	Zinc Pyromellitate Coordination Polymers with Bis(pyridylmethyl)piperazine Tethers: A Rare Binodal Network and a New Simple Self-Penetrated Topology. <b>2011</b> , 11, 1287-1293	44
2044	Tether Length Control of Topology in Cadmium 4-Methylphthalate Two-Dimensional Coordination Polymers: An Acentric Buckled Grid and a Rare Self-Catenated Layer. <b>2011</b> , 11, 678-683	34
2043	Crystal Engineering Using a "Turtlebug" Algorithm: A de Novo Approach to the Design of Binodal Metal-Organic Frameworks. <b>2011</b> , 11, 3686-3693	9

2042	Tunable Coordinative Assembly of a Disc-Like Molecule and Metal Ions: From Mirospheres to Microtubes and Microrods. <b>2011</b> , 23, 1505-1511	24
2041	Syntheses, structures, and properties of lead(II) and nickel(II) complexes with 3,5-di(1H-imidazol-1-yl)benzoate. <b>2011</b> , 64, 170-178	6
2040	Syntheses, Structures, and Porous/Luminescent Properties of Silver 3-Alkyl-1,2,4-Triazolate Frameworks with Rare 3-Connected Topologies. <b>2011</b> , 11, 796-802	28
2039	Structure and gas sorption behavior of a new three dimensional porous magnesium formate. <b>2011</b> , 50, 1392-401	37
2038	Four novel metal coordination polymers directed by 1,1'-dibutyl-4,4'-bipyridinium dibromide (BBP) and their framework dependent luminescent properties. <b>2011</b> , 13, 2571	53
2037	When Cu <sub>4</sub> I <sub>4</sub> cubane meets Cu <sub>3</sub> (pyrazolate) <sub>3</sub> triangle: dynamic interplay between two classical luminophores functioning in a reversibly thermochromic coordination polymer. <b>2011</b> , 47, 12441-3	92
2036	Syntheses, Crystal Structures, and Properties of a Series of Coordination Polymers Based on 2-(n-Pyridyl)benzimidazole Ligands (n = 3, 4). <b>2011</b> , 11, 2897-2904	14
2035	Structural Diversity of a Series of Mn(II), Cd(II), and Co(II) Complexes with Pyridine Donor Diimide Ligands. <b>2011</b> , 11, 2763-2772	78
2034	Three novel cation-templated metal thiocyanates with 1-2D polypseudorotaxane frameworks. <b>2011</b> , 13, 6885	26
2033	Syntheses, crystal structures, and luminescence of two new coordination polymers based on biphenyl-2,2',4,4'-tetracarboxylate. <b>2011</b> , 64, 1299-1308	8
2032	Influence of Metal Ion on Structural Motif in Coordination Polymers of the Pseudopeptidic Ligand Terephthaloyl-bis-beta-alaninate. <b>2011</b> , 11, 3653-3662	34
2031	A Biomimetic Nose by Microcrystals and Oriented Films of Luminescent Porous Metal-Organic Frameworks. <b>2011</b> , 11, 4146-4154	41
2030	Interaction of Copper(II) with Ditopic Pyridyl- $\beta$ -diketone Ligands: Dimeric, Framework, and Metallogel Structures. <b>2011</b> , 11, 1697-1704	26
2029	Kinetic separation of propene and propane in metal-organic frameworks: controlling diffusion rates in plate-shaped crystals via tuning of pore apertures and crystallite aspect ratios. <b>2011</b> , 133, 5228-31	211
2028	Aggregation of [Au(CN) <sub>4</sub> ] <sup>-</sup> anions: examination by crystallography and <sup>15</sup> N CP-MAS NMR and the structural factors influencing intermolecular Au...N interactions. <b>2011</b> , 50, 1265-74	9
2027	Enantioselective/anion-selective incorporation of tris(ethylenediamine) complexes into 2D coordination spaces between tripalladium(II) supramolecular layers with D-penicillamine. <b>2011</b> , 50, 2040-2	10
2026	Divalent Metal Aliphatic Tricarboxylate Dipyridylamine Coordination Polymers with New or Rare Binodal Topologies. <b>2011</b> , 11, 4860-4875	17
2025	Enhanced $\pi$ -conjugation and emission via icosahedral carboranes: synthetic and spectroscopic investigation. <b>2011</b> , 50, 5485-93	106

2024	Structure and Physical Properties of Two- and Three-Dimensional Divalent Metal Adipate Coordination Polymers with Bis(4-pyridylmethyl)piperazine Tethers. <b>2011</b> , 11, 1651-1661	37
2023	Three New Coordination Polymers Based on One Reduced Symmetry Tripodal Linker. <b>2011</b> , 11, 3115-3121	64
2022	Three-Dimensional Cd(II) Coordination Polymers Based on Semirigid Bis(Methylbenzimidazole) and Aromatic Polycarboxylates: Syntheses, Topological Structures and Photoluminescent Properties. <b>2011</b> , 11, 4667-4675	136
2021	Syntheses, crystal structures and optical properties of six homochiral coordination networks based on phenyl acid-amino acids. <b>2011</b> , 13, 6422	27
2020	A series of metal-organic coordination polymers containing multiple chiral centers. <b>2011</b> , 13, 1570-1579	27
2019	Increasing nuclearity of secondary building units in porous cobalt(II) metal-organic frameworks: variation in structure and H <sub>2</sub> adsorption. <b>2011</b> , 40, 12342-9	23
2018	Effect of time, temperature, and kinetics on the hysteretic adsorption-desorption of H <sub>2</sub> , Ar, and N <sub>2</sub> in the metal-organic framework Zn <sub>2</sub> (bpdca) <sub>2</sub> (bpee). <b>2011</b> , 27, 14169-79	19
2017	Luminescent Metal-Organic Frameworks. <b>2011</b> , 267-308	5
2016	Towards enhanced ligand-centred photoluminescence in inorganic-organic frameworks for solid state lighting. <b>2011</b> , 13, 7622-9	29
2015	From simple to complex: topological evolution and luminescence variation in a copper(I) pyridylpyrazolate system tuned via second ligating spacers. <b>2011</b> , 50, 8879-92	51
2014	Substituent effect of R-isophthalates (R = H, CH <sub>3</sub> , OCH <sub>3</sub> , tBu, OH, and NO <sub>2</sub> ) on the construction of Cd(II) coordination polymers incorporating a dipyridyl tecton 2,5-bis(3-pyridyl)-1,3,4-oxadiazole. <b>2011</b> , 13, 1885-1893	82
2013	The diverse structures of Cd(II) coordination polymers with 1,3,5-benzenetricarboxate tuned by organic bases. <b>2011</b> , 13, 5825	24
2012	Pore-size tuning in double-pillared metal-organic frameworks containing cadmium clusters. <b>2011</b> , 13, 3321	47
2011	2D flexible metal-organic frameworks with [Cd <sub>2</sub> (μ-X) <sub>2</sub> ](X = Cl or Br) units exhibiting selective fluorescence sensing for small molecules. <b>2011</b> , 47, 2667-9	81
2010	Solvent-induced deviation in square-grid layers of microporous Cu(II) isophthalates: layer stacking and gas adsorption properties. <b>2011</b> , 13, 577-584	19
2009	Interpenetration, Self-Catenation, and New Topology in Metal-Organic Frameworks of Cobalt with Mixed Organic Linkers. <b>2011</b> , 11, 3681-3685	34
2008	Photophysics of soft and hard molecular assemblies based on luminescent complexes. <b>2011</b> , 63, 47-103	19
2007	Biomedical Applications of Metal Organic Frameworks. <b>2011</b> , 50, 1799-1812	420

2006	Template construction of a series of supramolecular coordination polymers via 6,7-dihydro-5H-[1,4]diazepino[1,2,3,4-lmn][1,10]phenanthroline-4,8-diium cation. <b>2011</b> , 64, 1683-1694	4
2005	Catalysis by metal-organic frameworks: fundamentals and opportunities. <b>2011</b> , 13, 6388-96	331
2004	Effect of lanthanide contraction and rigid ligand on the structure of salen-type lanthanide complexes. <b>2011</b> , 13, 6237	38
2003	Shape controlled synthesis of superhydrophobic zinc coordination polymers particles and their calcination to superhydrophobic ZnO. <b>2011</b> , 21, 8633	31
2002	Two new metal-organic frameworks possessing binodal high-connected topologies based on Cd4-clusters and organic ligands. <b>2011</b> , 64, 222-231	13
2001	Zinc paddlewheel dimers containing a strong $\pi$ -stacking supramolecular synthon: designed single-crystal to single-crystal phase changes and gas/solid guest exchange. <b>2011</b> , 50, 11754-64	35
2000	Porous Metal-Organic Frameworks. <b>2011</b> , 1-20	3
1999	Synthesis, structures and photoluminescence properties of silver(I) complexes with N,N'-di(pyrazin-2-yl)pyridine-2,6-diamine. <b>2011</b> , 13, 992-1002	13
1998	A zinc(II) metal-organic framework based on triazole and dicarboxylate ligands for selective adsorption of hexane isomers. <b>2011</b> , 47, 7197-9	44
1997	Structural diversity and fluorescent properties of Zn(II)/Cd(II) coordination polymers with a versatile tecton 2-(carboxymethoxy)benzoic acid and N-donor co-ligands. <b>2011</b> , 13, 6601	46
1996	Construction of Coordination Polymers Based on Bent 4-Amino-3,5-bis(3-carboxyphenyl)-1,2,4-triazole Ligand: Diverse Structural Topology and Photoluminescent and Magnetic Properties. <b>2011</b> , 11, 1475-1485	41
1995	Highly stable and porous cross-linked polymers for efficient photocatalysis. <b>2011</b> , 133, 2056-9	355
1994	A Case Study of ZnII-bmb Meso-Helical Coordination Polymers upon the Spacer Angles and Lengths of Dicarboxylate Coligands. <b>2011</b> , 11, 1869-1879	97
1993	Reductive electrosynthesis of crystalline metal-organic frameworks. <b>2011</b> , 133, 12926-9	184
1992	Immobilization of MP-11 into a mesoporous metal-organic framework, MP-11@mesoMOF: a new platform for enzymatic catalysis. <b>2011</b> , 133, 10382-5	479
1991	Common Structural Features in Calcium Hydroxyphosphonoacetates. A High-Throughput Screening. <b>2011</b> , 11, 1713-1722	30
1990	Porous metal-organic frameworks as platforms for functional applications. <b>2011</b> , 47, 3351-70	743
1989	Stepwise synthesis of metal-organic frameworks: replacement of structural organic linkers. <b>2011</b> , 133, 9984-7	275

1988	A 2D covalent organic framework with 4.7-nm pores and insight into its interlayer stacking. <b>2011</b> , 133, 19416-21	254
1987	Temperature-controlled synthesis of two novel coordination polymers modeled by semi-rigid tetrapyridines. <b>2011</b> , 13, 7025	28
1986	Solvothermal growth of a ruthenium metal-organic framework featuring HKUST-1 structure type as thin films on oxide surfaces. <b>2011</b> , 47, 8509-11	99
1985	Inclusion of potassium 4,4'-biphenyldicarboxylate into $\beta$ -cyclodextrin: the design and synthesis of an organic secondary building unit. <b>2011</b> , 35, 1280	4
1984	The novel metalloligand [Fe(bppd) <sub>3</sub> ] (bppd = 1,3-bis(4-pyridyl)-1,3-propanedionate) for the crystal engineering of heterometallic coordination networks with different silver salts. Anionic control of the structures. <b>2011</b> , 13, 5891	39
1983	Lanthanide-based 0D and 2D molecular assemblies with the pyridazine-3,6-dicarboxylate linker. <b>2011</b> , 13, 251-258	31
1982	Palladium Nanoparticles Confined in the Cages of MIL-101: An Efficient Catalyst for the One-Pot Indole Synthesis in Water. <b>2011</b> , 1, 1604-1612	140
1981	New europium coordination polymers with efficient energy transfer from conjugated tetracarboxylate ligands to Eu <sup>3+</sup> ion: syntheses, structures, luminescence and magnetic properties. <b>2011</b> , 40, 9490-7	40
1980	Solvothermal synthesis, crystal structure, and properties of lanthanide-organic frameworks based on thiophene-2,5-dicarboxylic acid. <b>2011</b> , 40, 11581-90	51
1979	The coordination chemistry of Zn(II), Cd(II) and Hg(II) complexes with 1,2,4-triazole derivatives. <b>2011</b> , 40, 8475-90	111
1978	Light-harvesting metal-organic frameworks (MOFs): efficient strut-to-strut energy transfer in bodipy and porphyrin-based MOFs. <b>2011</b> , 133, 15858-61	622
1977	Solvent and temperature influence structural variation from nonporous 2D $\rightarrow$ 3D parallel polycatenation to 3D microporous metal-organic framework. <b>2011</b> , 13, 3971	38
1976	Ln-Co-based rock-salt-type porous coordination polymers: vapor response controlled by changing the lanthanide ion. <b>2011</b> , 50, 2061-3	21
1975	Container molecules based on imine type ligands. <b>2012</b> , 319, 79-98	5
1974	A Series of 2D and 3D Metal-Organic Frameworks Based on a Flexible Tetrakis(4-pyridyloxymethylene)methane Ligand and Polycarboxylates: Syntheses, Structures, and Photoluminescent Properties. <b>2011</b> , 11, 3609-3621	146
1973	Terbium-based infinite coordination polymer hollow microspheres: preparation and white-light emission. <b>2011</b> , 21, 16574	107
1972	Synthesis, Structure, and Characterization of a Porous Metal-Organic Framework Based on Bimetallic Unit and Flexible Ligand. <b>2011</b> , 41, 479-483	2
1971	Facile synthesis of hierarchically superstructured praseodymium benzenetricarboxylate with controllable morphologies. <b>2011</b> , 13, 452-458	12

1970	MOF-on-MOF heteroepitaxy: perfectly oriented [Zn <sub>2</sub> (ndc) <sub>2</sub> (dabco)] <sub>n</sub> grown on [Cu <sub>2</sub> (ndc) <sub>2</sub> (dabco)] <sub>n</sub> thin films. <b>2011</b> , 40, 4954-8	134
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1968	Variable behaviour of flexible N,O-mixed pyrazole ligand towards Zn(II), Cd(II) and Hg(II) ions. Synthesis, crystal structure and fluorescent properties. <b>2011</b> , 13, 6457	23
1967	Zeolitic imidazolate framework-8 as a luminescent material for the sensing of metal ions and small molecules. <b>2011</b> , 21, 6649	226
1966	Six new metal-organic frameworks based on polycarboxylate acids and V-shaped imidazole-based synthon: syntheses, crystal structures, and properties. <b>2011</b> , 50, 2404-14	88
1965	A flexible metal azolate framework with drastic luminescence response toward solvent vapors and carbon dioxide. <b>2011</b> , 2, 2214	109
1964	Salen-based coordination polymers of iron and the rare earth elements. <b>2011</b> , 50, 12697-704	19
1963	1D + 1D -> 1D polyrotaxane, 2D + 2D -> 3D interpenetrated, and 3D self-penetrated divalent metal terephthalate bis(pyridylformyl)piperazine coordination polymers. <b>2011</b> , 50, 8997-9003	88
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1961	Accurate Prediction of Methane Adsorption in a Metal Organic Framework with Unsaturated Metal Sites by Direct Implementation of an ab Initio Derived Potential Energy Surface in GCMC Simulation. <b>2011</b> , 115, 23074-23080	82
1960	Erbium-formate frameworks templated by diammonium cations: syntheses, structures, structural transition and magnetic properties. <b>2011</b> , 40, 6038-46	48
1959	Two-Dimensional Semiconductive Electronic Frameworks. <b>2011</b> , 155-174	
1958	Tripodal imidazole frameworks: Reversible vapour sorption both with and without significant structural changes. <b>2011</b> , 40, 573-82	30
1957	Quantifying enhanced photoluminescence in mixed-lanthanide carboxylate polymers: sensitization versus reduction of self-quenching. <b>2011</b> , 21, 8547	26
1956	A novel family of 3D photoluminescent lanthanide-based flexible MOFs constructed from 1,2,4,5-benzenetetracarboxylic acid and different spanning of dicarboxylate acid ligands. <b>2011</b> , 13, 3884	63
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1954	Metal-organic-framework-based tandem molecular sieves as a dual platform for selective microextraction and high-resolution gas chromatographic separation of n-alkanes in complex matrixes. <b>2011</b> , 83, 7094-101	249
1953	Impact of metal-ion dependence on the porous and electronic properties of TCNQ-dianion-based porous coordination polymers. <b>2011</b> , 50, 172-7	49

1952	Molecular decoding using luminescence from an entangled porous framework. <b>2011</b> , 2, 168	634
1951	Synthesis, structure, and photoluminescent properties of metal-organic coordination polymers assembled with bithiophenedicarboxylic acid. <b>2011</b> , 50, 3198-205	63
1950	Applications of advanced hybrid organic-inorganic nanomaterials: from laboratory to market. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 696-753	58.5 1060
1949	Conjugated ligands modulated sandwich structures and luminescence properties of lanthanide metal-organic frameworks. <b>2011</b> , 50, 5242-8	112
1948	Construction of Coordination Polymers with a Bifurcating Ligand: Synthesis, Structure, Photoluminescence, and Magnetic Studies. <b>2011</b> , 11, 1122-1134	52
1947	Trinuclear-based copper(I) pyrazolate polymers: effect of trimer $\mu_3$ -halide/pseudohalide interactions on the supramolecular structure and phosphorescence. <b>2011</b> , 50, 261-70	76
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1944	Effect of Different Carboxylates on a Series of Ag(I) Coordination Compounds with Benzoguanamine Ligand. <b>2011</b> , 11, 3564-3578	58
1943	Coordination polymers of zinc with ( $\mu$ -benzenecarboxylate) chromium tricarbonyl. <b>2011</b> , 50, 1698-704	19
1942	New metal-anion radical framework materials: Co(II) compounds showing ferromagnetic to antiferromagnetic phase transition at about 344 K, and Zn(II) compounds exhibiting terminal anion ligand induced direct white-light-emission. <b>2011</b> , 40, 4131-9	31
1941	Recent Advances in s-Block Metal Carboxylate Networks. <b>2011</b> , 11, 4704-4720	172
1940	Supramolecular Assembly of Calcium Metal-Organic Frameworks with Structural Transformations. <b>2011</b> , 11, 699-708	84
1939	Two new silver(I) coordination polymers with 4,4'-bipyridine and two perfluoro- $\beta$ -diketonates. <b>2011</b> , 1006, 136-141	10
1938	A divalent cadmium coordination polymer featuring a complex tetranodal 3-D topology and hexadecameric water clusters. <b>2011</b> , 14, 711-714	3
1937	. <b>2011</b> ,	235
1936	Syntheses and crystal structures of two Co(II) coordination polymers based on 4,6-bis(4-methylbenzoyl)isophthalic acid and 4,4'-bipyridine. <b>2011</b> , 64, 893-901	5
1935	A 2-D CdI <sub>2</sub> coordination network with 7-oxabicyclo[2.2.1]-5-heptene-2,3-dicarboxylate: synthesis, crystal structure, and luminescent properties. <b>2011</b> , 64, 3928-3937	6

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1933	Synthesis, structure and photoluminescent properties of a new Eu(III) complex with 5-bromoisophthalic acid. <b>2011</b> , 29, 511-515	3
1932	Three novel lanthanide MOFs constructed from 1,3-benzenedicarboxylic acid and 1,10-phenanthroline: Hydrothermal synthesis, crystal structure and thermal properties. <b>2011</b> , 1004, 39-44	23
1931	Generation and solid state characterization of tetrapyrrolium perchlorate salts derived from tetrapyrrolyl tetraphenylethylenes. <b>2011</b> , 1003, 82-86	9
1930	A series of three-dimensional lanthanide MOFs: Observation of reversible structural changes controlled by solvent desorption/adsorption, and magnetic properties. <b>2011</b> , 1004, 82-87	21
1929	Two novel transition metal-organic frameworks based on 1,3,5-benzenetricarboxylate ligand: Syntheses, structures and thermal properties. <b>2011</b> , 1004, 252-256	15
1928	Structural and spectroscopic studies of neodymium complexes with S(+)-mandelic acid. <b>2011</b> , 1006, 672-677	9
1927	Wheel-and-axle binuclear Cu(II) dioximates mediated by 1,2-bis(4-pyridyl)ethane: Synthesis, X-ray study and luminescent properties. <b>2011</b> , 30, 2592-2598	18
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1925	Synthesis, structure and near-infrared luminescence of a new 2D praseodymium(III) coordination polymer. <b>2011</b> , 29, 1100-1104	5
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1919	Coordination chemistry of the heterotopic 1,2-phenylenebis(thio)diacetic acid ligand: Rhodium(I), palladium(II) and nickel(II) complexes. <b>2011</b> , 374, 127-133	1
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1915	New Zn complexes based on 1,2,4-triazoles: Synthesis, structure and luminescence. <b>2011</b> , 376, 509-514	22
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1909	Synthesis, characterization, and luminescence properties of magnesium coordination networks using a thiophene-based linker. <b>2011</b> , 378, 109-114	15
1908	Synthesis of isostructural metal-organic frameworks, CPO-27s, with ultrasound, microwave, and conventional heating: Effect of synthesis methods and metal ions. <b>2011</b> , 173, 866-872	74
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1899	Silver(I) glutathione biocoordination polymer hydrogel: effective antibacterial activity and improved cytocompatibility. <b>2011</b> , 21, 19214	66

1898	Nitrogen-rich azoles as ligand spacers in coordination polymers. <b>2011</b> , 6, 292-304	63
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1896	Two metal-organic frameworks based on a double azolium derivative: post-modification and catalytic activity. <b>2011</b> , 47, 11005-7	65
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1894	Coordination polymer with the framework structure [Zn <sub>2</sub> (DMA)(Atc)] · DMA: Synthesis, structure, and properties. <b>2011</b> , 37, 100-106	1
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1886	Thermal transformation of a layered multifunctional network into a metal-organic framework based on a polymeric organic linker. <b>2011</b> , 133, 15120-38	51
1885	Crystal Engineering of Nanomorphology for Complex Oxide Materials via Thermal Decomposition of Metal-Organic Frameworks. Case Study of Sodium Tantalate. <b>2011</b> , 11, 1238-1243	13
1884	Syntheses and Crystal Structures of Zinc(II) and Nickel(II) Coordination Polymers Based on Diphenic Acid and 1,2-Bis(4-pyridyl)ethane Coligands. <b>2011</b> , 21, 207-211	4
1883	A New Series Lanthanide-2,6-Pyridinedicarboxylic Acid Complexes Containing Low Dimensionality: Synthesis, Structure and Photoluminescent Properties. <b>2011</b> , 21, 213-222	11
1882	One-Dimensional Cd(II) and Co(II) Coordination Polymers with Dinuclear Secondary Building Units Constructed by 1,1'-Biphenyl-3,3'-Dicarboxylic Acid: Synthesis, Structures, Luminescent and Magnetic Properties. <b>2011</b> , 21, 611-618	5
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1880	Novel CdII coordination polymers (1-D, 2-D to 3-D) constructed from 1,2-cyclohexanedicarboxylate and various bipyridyl ligands. <b>2011</b> , 994, 335-342	8
1879	Luminescent cadmium phenylenedipropionate coordination polymers with long-spanning dipyridine ligands. <b>2011</b> , 998, 62-68	10
1878	Synthesis, structure and luminescence of a new series of rigidflexible lanthanide coordination polymers constructed from benzene sulfonic acid and glutaric acid. <b>2011</b> , 365, 269-276	13
1877	Substituent dependent topologies in cobalt isophthalate coordination polymers with bis(pyridylmethyl)piperazine coligands. <b>2011</b> , 371, 71-78	10
1876	Structure and properties of cobalt ortho-phenylenediacetate coordination polymers with rigid dipyridyl ligands. <b>2011</b> , 373, 201-210	7
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1867	The Effect of Methyl Functionalization on Microporous Metal-Organic Frameworks' Capacity and Binding Energy for Carbon Dioxide Adsorption. <b>2011</b> , 21, 4754-4762	98
1866	Metal-organic frameworks: a rapidly growing class of versatile nanoporous materials. <b>2011</b> , 23, 249-67	1104
1865	An Imidazolate- and Azide-Bridged Copper(II) Coordination Polymer Consisting of Alternating Di- and Mononuclear Units. <b>2011</b> , 2011, 116-120	7
1864	A Bifunctional Diketimine Ligand for Secondary Building Blocks: Formation of a 2D CopperZinc Coordination Polymer. <b>2011</b> , 2011, 331-335	1
1863	Mixed-Metal d-f Phosphonate Frameworks [Photoluminescence and Magnetic Properties. <b>2011</b> , 2011, 2035-2044	23

1862	Synthesis, Structures, and Adsorption Properties of Two New LaIII/MgII Heterometallic Polymers. <b>2011</b> , 2011, 5299-5304	9
1861	Structural Flexibility and Sorption Properties of 2D Porous Coordination Polymers Constructed from Trinuclear Heterometallic Pivalates and 4,4'-Bipyridine. <b>2011</b> , 2011, 4985-4992	25
1860	Oberflächenchemie Metall-organischer Gerüste an der Flüssig-fest-Grenzfläche. <b>2011</b> , 123, 184-208	43
1859	Variant Luminescence from an Organic-Inorganic Hybrid Structure with an Isolated 4-Ring Zinc Phosphate Tecton. <b>2011</b> , 123, 5431-5434	8
1858	Metal-Organic Frameworks with a Three-Dimensional Ordered Macroporous Structure: Dynamic Photonic Materials. <b>2011</b> , 123, 12726-12730	29
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1855	Metal-organic frameworks with a three-dimensional ordered macroporous structure: dynamic photonic materials. <b>2011</b> , 50, 12518-22	171
1854	Three-dimensional open-frameworks based on Ln(III) ions and open-/closed-shell PTM ligands: synthesis, structure, luminescence, and magnetic properties. <b>2011</b> , 17, 3644-56	43
1853	A new coordination polymer exhibiting unique 2D hydrogen-bonded (H <sub>2</sub> O) <sub>16</sub> ring formation and water-dependent luminescence properties. <b>2011</b> , 17, 9232-41	32
1852	Rational design of zinc-organic coordination polymers directed by N-donor co-ligands. <b>2011</b> , 17, 8630-42	56
1851	A roadmap to implementing metal-organic frameworks in electronic devices: challenges and critical directions. <b>2011</b> , 17, 11372-88	356
1850	Isostructural metal-anion radical coordination polymers with tunable phosphorescent colors (deep blue, blue, yellow, and white) induced by terminal anions and metal cations. <b>2011</b> , 17, 12495-501	20
1849	A novel addition complex composed of single and double chains constructed from btb and SO <sub>4</sub> units (btb=1,4-bis(1,2,4-triazol-1-yl)butane). <b>2011</b> , 14, 52-55	3
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1847	A cadmium coordination polymer with anatase topology constructed from a tetrapodal ligand: Synthesis, crystal structures and luminescence. <b>2011</b> , 14, 366-369	8
1846	A novel metal-organic framework with bifunctional tetrazolate-5-carboxylate ligand: Crystal structure and luminescent properties. <b>2011</b> , 14, 407-410	16
1845	Recent advances in CdII coordination polymers: Structural aspects, adaptable assemblies, and potential applications. <b>2011</b> , 14, 502-513	50

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1843	Synthesis, structures and luminescent properties of Ca(II), Sr(II) and Pb(II) coordination compounds based on new flexible ligand 5-(2-pyrazinyl)tetrazole-2-acetic acid. <b>2011</b> , 14, 843-847	22
1842	Diverse Cd(II) coordination polymers with a multidentate N-donor ligand 3,5-bis(4-pyridyl)-4-(3-pyridyl)-1,2,4-triazole and pseudohalide anions. <b>2011</b> , 14, 873-876	18
1841	A new lanthanide metal-organic framework with (3,6)-connected topology based on novel tricarboxylate ligand. <b>2011</b> , 14, 978-981	29
1840	Two new coordination frameworks based on rod-shaped secondary building blocks with five-nodal (3, 4, 5, 6)-connected and (3, 5, 6)-connected network topologies. <b>2011</b> , 14, 1156-1160	7
1839	Group IIB metal complexes with a multidentate N-donor tecton 3,4-bis(2-pyridyl)-5-(3-pyridyl)-1,2,4-triazole: Metal-directed assemblies, crystal structures and properties. <b>2011</b> , 14, 1217-1220	16
1838	A self-penetrated chiral cobalt camphorate coordination polymer with antiferromagnetically coupled paddlewheel clusters. <b>2011</b> , 14, 1250-1253	12
1837	A new 3D metal-organic framework with (4, 8)-connected AlB <sub>2</sub> topology constructed from coordinated evolution of a C <sub>3</sub> symmetry ligand. <b>2011</b> , 14, 1532-1536	15
1836	Carbon dioxide capture-related gas adsorption and separation in metal-organic frameworks. <b>2011</b> , 255, 1791-1823	1614
1835	Facile synthesis of nano-sized metal-organic frameworks, chromium-benzenedicarboxylate, MIL-101. <b>2011</b> , 166, 1152-1157	124
1834	Synthesis, structures and conductivity properties of silver 3-sulfobenzoate coordination polymers. <b>2011</b> , 365, 419-429	28
1833	One-dimensional zinc(II) polymers with 4,6-dimethyl-1,2,3-triazolo[4,5-d]pyrimidin-5,7-dionato built by bipyridyl-based ligands acting as spacers both in the first and in the second sphere. <b>2011</b> , 365, 371-376	3
1832	Two new pH-controlled metal-organic frameworks based on polynuclear secondary building units with conformation-flexible cyclohexane-1,2,4,5-tetracarboxylate ligand. <b>2011</b> , 367, 127-134	33
1831	Assembly of 1D, 2D and 3D silver(I) coordination polymers with nitrilotriacetate and 2-aminopyrimidyl mixed ligands. <b>2011</b> , 368, 67-73	14
1830	A ferromagnetically coupled copper(II) trinuclear secondary building unit as precursor for the preparation of molecule-based magnets. <b>2011</b> , 371, 47-52	9
1829	High pressure adsorption of hydrogen, nitrogen, carbon dioxide and methane on the metal-organic framework HKUST-1. <b>2011</b> , 138, 140-148	189
1828	Novel lead-organic framework based on 2,2'-bipyridine-3,3'-dicarboxylate ligand: Synthesis, structure and luminescence. <b>2011</b> , 990, 204-208	10
1827	Synthesis, structure and photoluminescence of two cadmium coordination polymers with 1,3-benzenedicarboxylate and two flexible bis-imidazole ligands. <b>2011</b> , 992, 111-116	22

1826	Metal-organic coordination polymers based on dicarboxylate and a flexible bispyridyl ligand: Synthesis, structures, and photoluminescence. <b>2011</b> , 995, 91-96	11
1825	Structural diversity of silver (I) azine complexes [Effect of substituents and counter anions. <b>2011</b> , 1000, 29-34	6
1824	New 4,5-dichlorophthalhydrazidate-bridged chained coordination polymers. <b>2011</b> , 184, 667-674	30
1823	Molecular assemblies of trichloride neodymium and europium complexes chelated by 1,10-phenanthroline. <b>2011</b> , 30, 1289-1294	12
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1679	Grand Canonical Monte Carlo Simulation of Low-Pressure Methane Adsorption in Nanoporous Framework Materials for Sensing Applications. <b>2012</b> , 116, 3492-3502	28
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1674	Assembly of Two 3D Porous Metal-Organic Frameworks Based on 1,2,3-Triazole-4,5-dicarboxylate Exhibiting Novel Coordination Modes. <b>2012</b> , 12, 5456-5461	28
1673	Structural Diversity and Properties of Six 2D or 3D Metal-Organic Frameworks Based on Thiophene-Containing Ligand. <b>2012</b> , 12, 5783-5791	21
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1664	Construction and property investigation of three metal phosphates based on N-donor ligands. <b>2012</b> , 21, 173-177	1
1663	Metal-directed assembly of metal(II) benzoates (M=Mn, Ni, Co, Cu, Zn, and Cd) with 1,2-bis(4-pyridyl)ethene: Light- and photo-induced [2+2] cycloaddition. <b>2012</b> , 22, 1-5	13
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1653	Homochiral crystallization of metal-organic silver frameworks: asymmetric [3+2] cycloaddition of an azomethine ylide. <b>2012</b> , 51, 10127-31	101
1652	Exceptional crystallization diversity and solid-state conversions of Cd(II) coordination frameworks with 5-bromonicotinate directed by solvent media. <b>2012</b> , 18, 12437-45	57
1651	Mixed Rare-Earth Complexes of Eu(III) and Y(III) with Pyridine-2,4,6-tricarboxylic Acid and Their Photoluminescent Properties. <b>2012</b> , 30, 2097-2102	3
1650	Isorecticular Lanthanide Metal-Organic Frameworks: Syntheses, Structures and Photoluminescence of a Family of 3D Phenylcarboxylates. <b>2012</b> , 2012, 4419-4426	29
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1642	Modeling adsorption in metal-organic frameworks with open metal sites: propane/propylene separations. <b>2012</b> , 28, 8537-49	64
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1640	From Two-Dimensional Double Decker Architecture to Three-Dimensional pcu Framework with One-Dimensional Tube: Syntheses, Structures, Luminescence, and Magnetic Studies. <b>2012</b> , 12, 927-938	99
1639	Two novel Cd(II) complexes with unprecedented four- and six-fold interpenetration. <b>2012</b> , 14, 5198	34
1638	Metal-organic frameworks in mixed-matrix membranes for gas separation. <b>2012</b> , 41, 14003-27	391
1637	Methane storage in advanced porous materials. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 7761-79	58.5 643
1636	Connecting structure with function in metal-organic frameworks to design novel photo- and radioluminescent materials. <b>2012</b> , 22, 10235	93
1635	Novel complexes constructed by flexible 1,2,3,4,5,6- cyclohexanhexacarboxylate and transition metal ions IFrom 0D mononuclear to 3D porous coordination polymers. <b>2012</b> , 14, 4312	11
1634	Visible-Light-Driven Photocatalysts of Metal-Organic Frameworks Derived from Multi-Carboxylic Acid and Imidazole-Based Spacer. <b>2012</b> , 12, 1603-1612	200
1633	A series of three-dimensional (3D) chiral lanthanide coordination polymers generated by spontaneous resolution. <b>2012</b> , 14, 8083	20
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1625	Five M(II) coordination polymers assembled from various polynuclear units spaced by semirigid carboxyphenylpropionate and N-donor coligand. <b>2012</b> , 14, 880-889	33
1624	Redox reaction in two-dimensional porous coordination polymers based on ferrocenedicarboxylates. <b>2012</b> , 41, 3924-7	45
1623	From stimuli-responsive polymorphic organic dye crystals to photoluminescent cationic open-framework metal phosphate. <b>2012</b> , 134, 9848-51	74
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1620	A series of lanthanide-organic polymers incorporating ethyl-4,5-imidazole-dicarboxylato and formate coligand: structures, luminescent and magnetic properties. <b>2012</b> , 14, 3684	18
1619	Color tunable and white light emitting Tb <sup>3+</sup> and Eu <sup>3+</sup> doped lanthanide metal-organic framework materials. <b>2012</b> , 22, 3210	190
1618	Tunable emission based on lanthanide(III) metal-organic frameworks: an alternative approach to white light. <b>2012</b> , 22, 8868	148
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1616	Five Novel Coordination Polymers Based on a C-Centered Triangular Flexible Ligand. <b>2012</b> , 12, 1022-1031	36
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1604	Ultrasensitive sorption behavior of isostructural lanthanide-organic frameworks induced by lanthanide contraction. <b>2012</b> , 22, 21076	40
1603	Nanocrystalline hybrid inorganic-organic one-dimensional chain systems tailored with 2- and 3-phenyl ring monocarboxylic acids. <b>2012</b> , 22, 10255	5
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1598	Investigation of in situ oxalate formation from 2,3-pyrazinedicarboxylate under hydrothermal conditions using nuclear magnetic resonance spectroscopy. <b>2012</b> , 51, 3883-90	47
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1596	Syntheses, Structures, and Photoluminescent Properties of Coordination Polymers Based on 1,4-Bis(imidazol-1-yl-methyl)benzene and Various Aromatic Dicarboxylic Acids. <b>2012</b> , 12, 253-263	83
1595	Series of metal organic frameworks assembled from Ln(III), Na(I), and chiral flexible-achiral rigid dicarboxylates exhibiting tunable UV-vis-IR light emission. <b>2012</b> , 51, 1703-16	62
1594	Synthesis, structures and luminescent properties of new Pb(II)/M(I) (M = K, Rb and Cs) frameworks based on dicarboxylic acids: a novel icosahedral Pb <sub>6</sub> -M <sub>6</sub> SBU. <b>2012</b> , 14, 936-944	27
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1592	Pore size-controlled gases and alcohols separation within ultramicroporous homochiral lanthanide-organic frameworks. <b>2012</b> , 22, 7813	48
1591	Gas sorption and luminescence properties of a terbium(III)-phosphine oxide coordination material with two-dimensional pore topology. <b>2012</b> , 41, 8003-9	36
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1588	A three-dimensional highly stable cobalt(II) metal-organic framework based on terephthalic acid: synthesis, crystal structure, thermal and physical properties. <b>2012</b> , 37, 679-685	16
1587	Facile and rapid fabrication of nanostructured lanthanide coordination polymers as selective luminescent probes in aqueous solution. <b>2012</b> , 22, 6819	137
1586	Poly-(bis((4-1,4-benzenedicarboxylato)-bis(2-N,N-dimethylformamide)-(nitrate)-gadolinium (III))) metal organic framework: Synthesis, magnetic and luminescence properties. <b>2012</b> , 391, 1-9	14
1585	Synthesis and properties of five unexpected copper complexes with ring-cleavage of 3,6-di-2-pyridyl-1,2,4,5-tetrazine by one pot in situ hydrothermal reaction. <b>2012</b> , 14, 2258	21
1584	Ultrasensitive humidity detection using metal-organic framework-coated microsensors. <b>2012</b> , 84, 7043-51	101
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1581	Up-conversion properties of lanthanide-organic frameworks and how to track ammunitions using these materials. <b>2012</b> , 2, 3083	41
1580	Substituted groups-directed assembly of Cd(II) coordination polymers based on 5-R-1,3-benzenedicarboxylate and 4,4'-bis(1-imidazolyl)biphenylene: syntheses, structures and photoluminescent properties. <b>2012</b> , 14, 6064	39
1579	Exploring reverse shape selectivity and molecular sieving effect of metal-organic framework UIO-66 coated capillary column for gas chromatographic separation. <b>2012</b> , 1257, 116-24	114
1578	Solvents control over the degree of interpenetration in metal-organic frameworks and their high sensitivities for detecting nitrobenzene at ppm level. <b>2012</b> , 22, 15939	169
1577	Synthesis, structures, and magnetic properties of four copper compounds with 2,2'-dinitrobiphenyl-4,4'-dicarboxylate. <b>2012</b> , 41, 12192-9	23
1576	Systematic morphology and phase control of Mg-ptcda coordination polymers by Ostwald ripening and self-templating. <b>2012</b> , 22, 8470	17
1575	Iodine Confinement into Metal-Organic Frameworks (MOFs): Low-Temperature Sintering Glasses To Form Novel Glass Composite Material (GCM) Alternative Waste Forms. <b>2012</b> , 51, 614-620	122

1574	Synthesis, structures and luminescent properties of cadmium(II) metal organic frameworks based on 3-pyrid-4-ylbenzoic acid, 4-pyrid-4-ylbenzoic acid ligands. <b>2012</b> , 14, 4664	37
1573	1-D and 2-D coordination polymers of cerium(III) with pyridine-2,4,6-tricarboxylic acid: synthesis and structural, spectroscopic, and thermal properties. <b>2012</b> , 65, 1892-1904	15
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1566	Synthesis, Crystal Structure and Luminescent Property of a 1D Chain Hg(II) Coordination Polymer Based on 4-Cyanopyridine. <b>2012</b> , 42, 947-951	1
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1563	A Cadmium Coordination Polymer with a (4, 6)-Connected 3D Network: Synthesis, Crystal Structure, and Luminescent Properties. <b>2012</b> , 638, 698-701	9
1562	Four Ln(III)-Mg(II) Metal Organic Frameworks Containing Fan-like Helices and Independent [Mg(H <sub>2</sub> O) <sub>6</sub> ] <sup>2+</sup> Units. <b>2012</b> , 638, 652-657	6
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1560	Metal Ion-tuned Complexes based on Benzene-1, 2, 4, 5-tetracarboxylic Acid and the Semirigid Ligand 1, 4-Bis(2-methylbenzimidazol-1-ylmethyl) Benzene. <b>2012</b> , 638, 868-873	10
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1558	Synthesis, Structure, and Photoluminescent Properties of a New 3D Metal-Organic Framework with Unusual AgI Chains. <b>2012</b> , 638, 1531-1534	2
1557	Two Novel 3D Copper Phthalate Coordination Complexes Incorporating Isomeric Flexible Bis(pyridylformyl)piperazine Ligands. <b>2012</b> , 638, 1504-1511	2

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1549	Chromium(III) Terephthalate Metal Organic Framework (MIL-101): HF-Free Synthesis, Structure, Polyoxometalate Composites, and Catalytic Properties. <b>2012</b> , 24, 1664-1675	308
1548	Unusual microporous polycatenane-like metal-organic frameworks for the luminescent sensing of Ln <sup>3+</sup> cations and rapid adsorption of iodine. <b>2012</b> , 48, 5919-21	88
1547	Two Unique Entangling Cd(II)-Coordination Frameworks Constructed by Square Cd <sub>4</sub> -Building Blocks and Auxiliary N,N'-Donor Ligands. <b>2012</b> , 12, 1697-1702	94
1546	Metal-organic frameworks for separations. <b>2012</b> , 112, 869-932	5033
1545	Crystal morphology-directed framework orientation in porous coordination polymer films and freestanding membranes via Langmuir-Blodgett. <b>2012</b> , 22, 10159	65
1544	One-dimensional metal-organic framework photonic crystals used as platforms for vapor sorption. <b>2012</b> , 22, 10356	123
1543	Luminescent functional metal-organic frameworks. <b>2012</b> , 112, 1126-62	4620
1542	Ionothermal syntheses, crystal structures and properties of three-dimensional rare earth metal-organic frameworks with 1,4-naphthalenedicarboxylic acid. <b>2012</b> , 41, 10576-84	39
1541	Ligand design for functional metal-organic frameworks. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 1088-110	58.5 659
1540	Structure and mobility of metal clusters in MOFs: Au, Pd, and AuPd clusters in MOF-74. <b>2012</b> , 134, 12807-16	109
1539	Post-modification of a MOF through a fluorescent-labeling technology for the selective sensing and adsorption of Ag <sup>+</sup> in aqueous solution. <b>2012</b> , 41, 10153-5	41

1538	Ag(I)/V(V) heterobimetallic frameworks generated from novel-type {Ag <sub>2</sub> (VO <sub>2</sub> F <sub>2</sub> ) <sub>2</sub> (triazole) <sub>4</sub> } secondary building blocks: a new aspect in the design of SVOF hybrids. <b>2012</b> , 51, 8025-33	53
1537	Five porphyrin-core-dependent metal-organic frameworks and framework-dependent fluorescent properties. <b>2012</b> , 14, 4850	42
1536	Tunability of band gaps in metal-organic frameworks. <b>2012</b> , 51, 9039-44	123
1535	Two- and Three-Dimensional Divalent Metal Coordination Polymers Constructed from a New Tricarboxylate Linker and Dipyridyl Ligands. <b>2012</b> , 12, 4649-4657	33
1534	Syntheses, Structures, and Characteristics of Four New Metal-Organic Frameworks Based on Flexible Tetrapyridines and Aromatic Polycarboxylate Acids. <b>2012</b> , 12, 3426-3435	70
1533	Temperature-Dependent Structures of Lanthanide Metal-Organic Frameworks Based on Furan-2,5-Dicarboxylate and Oxalate. <b>2012</b> , 12, 3263-3270	73
1532	pH and Auxiliary Ligand Influence on the Structural Variations of 5-(2'-Carboxylphenyl) Nicotinate Coordination Polymers. <b>2012</b> , 12, 3312-3323	82
1531	Structural Diversity of Four Metal-Organic Frameworks Based on Linear Homo/Heterotrimeric Nodes with Furan-2,5-dicarboxylic Acid: Crystal Structures and Luminescent and Magnetic Properties. <b>2012</b> , 12, 2602-2612	56
1530	Photophysical studies of Ru(II)tris(2,2'-bipyridine) confined within a Zn(II)-trimesic acid polyhedral metal-organic framework. <b>2012</b> , 116, 7830-5	44
1529	A Series of Cd(II) and Zn(II) Coordination Polymers with Helical Subunits Assembled from a Versatile 3-(4-hydroxypyridinium-1-yl) Phthalic Acid and N-Donor Ancillary Coligands. <b>2012</b> , 12, 4431-4440	52
1528	Two novel high-dimensional iron(II) coordination polymers modeled by semi-rigid tetrapyridines. <b>2012</b> , 14, 6049	9
1527	Facile fabrication of Y <sub>4</sub> (1,2-BDC) <sub>6</sub> (H <sub>2</sub> O) <sub>2</sub> ·5H <sub>2</sub> O:Eu <sup>3+</sup> , Tb <sup>3+</sup> ultralong nanobelts and tunable luminescence properties. <b>2012</b> , 14, 5830	14
1526	Assembly of Three 2D Metal-Organic Frameworks (MOFs) Derived from Flexible Ligands, 1,4-bis(3-pyridyl)-2,3-diaza-1,3-butadiene (3-bpd) and/or 1,2-bis(4-pyridyl)ethane (dpe). <b>2012</b> , 59, 1070-1079	6
1525	Synthesis of luminescent covalent-organic polymers for detecting nitroaromatic explosives and small organic molecules. <b>2012</b> , 33, 1184-90	192
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1523	Self-Assembly of 1D, 2D, and 3D Lanthanide-Metal Coordination Polymers Based on a 2-(Pyridin-4-yl)-4,5-imidazoledicarboxylate Linker: Synthesis, Structures, and Luminescence. <b>2012</b> , 2012, 1764-1772	33
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1197	Donor disposition dependent dimensionality and in situ racemization in luminescent cadmium camphorate coordination polymers with dipyrindylamide ligands. <b>2013</b> , 403, 136-141	12

1196	Construction of silver-organic framework with silver rods of repeated Ag-triangle units: Synthesis, structure, and properties. <b>2013</b> , 33, 38-42	18
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1188	Hydrothermal syntheses and characterization of a series of mixed-ligand luminescent CdII frameworks with novel 2-(3-(pyridin-2-yl)-1H-pyrazol-1-yl) acetate ligand and benzenedicarboxylate isomers. <b>2013</b> , 34, 37-41	5
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