

# CITATION REPORT

List of articles citing

Three-dimensional porous coordination polymer functionalized with amide groups based on tridentate ligand: selective sorption and catalysis

DOI: 10.1021/ja067374y

Journal of the American Chemical Society, 2007, 129, 2607-14.

**Source:** <https://exaly.com/paper-pdf/43028485/citation-report.pdf>

**Version:** 2024-04-26

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
891	Three-Dimensional Co(II)-MetalOrganic Frameworks with Varying Porosities and Open Metal Sites toward Multipurpose Heterogeneous Catalysis under Mild Conditions.		
890	Catalysis through Dynamic Spacer Installation of Multivariate Functionalities in MetalOrganic Frameworks.		
889	Tailoring the Dimensionality of MetalOrganic Frameworks Incorporating Pt and Pd. From Molecular Complexes to 3D Networks. <b>2007</b> , 7, 2302-2304		36
888	A novel metal-organic ternary topology constructed from triangular, square and tetrahedral molecular building blocks. <i>Chemical Communications</i> , <b>2007</b> , 5212-3	5.8	38
887	Selective gas sorption property of an interdigitated 3-D metal-organic framework with 1-D channels. <i>Chemical Communications</i> , <b>2007</b> , 5182-4	5.8	79
886	Long bipyridyl-type linking ligands containing an intervening cyclohexyl fragment and their cadmium coordination polymers: $[CdL1.54(NO_3)_2][CH_2Cl_2]$ and $[CdL1.53(NO_3)_2]$ ( $L_n = (n-py)NHCH_6H_{10}NCH(n-py)$ ; $n = 4, 3, 2$ ). <b>2007</b> , 10, 1244-1248		17
885	Radius-dependent assembly of complexes with the rigid unsymmetric ligand 5-(2-pyridyl)-1,3,4-oxadiazole-2-thione: Syntheses, structures and luminescence properties. <i>Polyhedron</i> , <b>2007</b> , 26, 4542-4550	2.7	32
884	Syntheses, crystal structures, and magnetic properties of three coordination polymers based on manganese(II) and 2,6-naphthalenedicarboxylate. <b>2008</b> , 33, 1019-1026		3
883	A Cobalt(II)-containing Metal-Organic Framework Showing Catalytic Activity in Oxidation Reactions. <b>2008</b> , 634, 2411-2417		85
882	Interpenetrated three-dimensional MnII/III ferrimagnets, $[Mn(4dmap)_4]_3[M(CN)_6]_2 \cdot 10 H_2O$ ( $M=Cr, Mn$ ): structures, magnetic properties, and pressure-responsive magnetic modulation. <b>2008</b> , 14, 3481-9		37
881	Novel single-crystal-to-single-crystal anion exchange and self-assembly of luminescent d(10) metal (Cd(II), Zn(II), and Cu(I)) complexes containing C(3)-symmetrical ligands. <b>2008</b> , 14, 5237-45		117
880	Functionalized supramolecular nanoporous arrays for surface templating. <b>2008</b> , 14, 7600-7		55
879	Structure and charge control in metal-organic frameworks based on the tetrahedral ligand tetrakis(4-tetrazolylphenyl)methane. <b>2008</b> , 14, 10280-5		100
878	From Interwoven to Noninterpenetration: Crystal Structural Motifs of Two New ManganeseOrganic Frameworks Mediated by the Substituted Group of the Bridging Ligand. <b>2008</b> , 2008, 628-634		20
877	Metal-tunable nanocages as artificial chemosensors. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 877-81	16.4	105
876	A dynamic, isocyanurate-functionalized porous coordination polymer. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 3403-6	16.4	149
875	Amine grafting on coordinatively unsaturated metal centers of MOFs: consequences for catalysis and metal encapsulation. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 4144-8	16.4	1031

874	Reversible redox reactions in an extended polyoxometalate framework solid. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 6881-4	16.4	121
873	Tailoring microporosity in covalent organic frameworks. <b>2008</b> , 20, 2741-6		366
872	Metal-Tunable Nanocages as Artificial Chemosensors. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 891-895	3.6	29
871	A Dynamic, Isocyanurate-Functionalized Porous Coordination Polymer. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 3451-3454	3.6	26
870	Amine Grafting on Coordinatively Unsaturated Metal Centers of MOFs: Consequences for Catalysis and Metal Encapsulation. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 4212-4216	3.6	182
869	Reversible Redox Reactions in an Extended Polyoxometalate Framework Solid. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 6987-6990	3.6	29
868	Design and synthesis of coordination networks containing amide, pyridine and carboxylate functionalities. <i>Polyhedron</i> , <b>2008</b> , 27, 1248-1255	2.7	15
867	Substituent effects of pyrazine on construction of crystal structures of Zn(II)-benzoate complexes and their catalytic activities (dinuclear, trinuclear, and pentanuclear to 1-D and 2-D). <i>Polyhedron</i> , <b>2008</b> , 27, 3484-3492	2.7	37
866	Selective, efficient nanoporous catalysts for nitroaldol condensation: Co-placement of multiple site-isolated functional groups on mesoporous materials. <b>2008</b> , 288, 1-13		31
865	Synthesis, crystal structures and optical properties of two coordination polymers from 4-(1H-tetrazol-5-yl) benzoic acid. <b>2008</b> , 11, 372-376		23
864	A mutually inclined interpenetrated cobalt benzenetricarboxylate/organodiimine layered coordination polymer containing infinite water chains and its irreversible crystal-to-crystal structural transformation upon dehydration. <b>2008</b> , 11, 568-571		6
863	Anion-dependent assemblies of two unprecedented copper(II) polymers with four-fold screw axes and trapped sodium chains. <b>2008</b> , 11, 1280-1283		9
862	Construction of three isostructural 3d <sup>4f</sup> microporous coordination frameworks based on mixed nicotinate and oxalate ligands. <b>2008</b> , 11, 1409-1411		17
861	Coordination geometry isomerism induced by NH <sub>2</sub> Cl, CH <sub>2</sub> Cl, CH <sub>2</sub> N, CH <sub>2</sub> and π supramolecular interactions in mercury(II) complexes with tripyridylimidazole chelating ligands. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 248-254	2.7	22
860	Radical Polymerization of Vinyl Monomers in Porous Coordination Polymers: Nanochannel Size Effects on Reactivity, Molecular Weight, and Stereostructure. <b>2008</b> , 41, 87-94		180
859	A novel metal-organic network with high thermal stability: nonlinear optical and photoluminescent properties. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 7945-7	5.1	105
858	Unprecedented NaI-CuII-LnIII heterometallic coordination polymers based on 3,5-pyrazoledicarboxylate with both infinite cationic and anionic chains. <i>Dalton Transactions</i> , <b>2008</b> , 5588-92	4.3	38
857	Chemistry and application of flexible porous coordination polymers. <b>2008</b> , 9, 014108		173

856	Nanochannels of two distinct cross-sections in a porous Al-based coordination polymer. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 13664-72	16.4	255
855	Generation of a solid Brønsted acid site in a chiral framework. <i>Chemical Communications</i> , <b>2008</b> , 1287-9	5.8	192
854	Temperature-triggered gate opening for gas adsorption in microporous manganese formate. <i>Chemical Communications</i> , <b>2008</b> , 4697-9	5.8	62
853	Size-selective Lewis acid catalysis in a microporous metal-organic framework with exposed Mn <sup>2+</sup> coordination sites. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5854-5	16.4	753
852	Matrix isolation chemistry in a porous metal-organic framework: photochemical substitutions of N <sub>2</sub> and H <sub>2</sub> in Zn <sub>4</sub> O[(eta <sup>6</sup> -1,4-benzenedicarboxylate)Cr(CO) <sub>3</sub> ] <sub>3</sub> . <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 806-7	16.4	200
851	Coordination pillared-layer type compounds having pore surface functionalization by anionic sulfonate groups. <i>Chemical Communications</i> , <b>2008</b> , 471-3	5.8	91
850	"Clickable" metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 14354-5	16.4	251
849	New microporous copper(II) coordination polymers based upon bifunctional 1,2,4-triazole/tetrazolate bridges. <i>CrystEngComm</i> , <b>2008</b> , 10, 1216	3.3	64
848	Lithium-Based 3D Coordination Polymer with Hydrophilic Structure for Sensing of Solvent Molecules. <b>2008</b> , 8, 3127-3129		42
847	Hysteretic sorption of light gases by a porous metal-organic framework containing tris(para-carboxylated) triphenylphosphine oxide. <i>Chemical Communications</i> , <b>2008</b> , 2891-3	5.8	45
846	A soft coordination polymer derived from container molecule ligands. <i>Chemical Communications</i> , <b>2008</b> , 1407-9	5.8	36
845	A truncated octahedral nanocage for fluorescent detection of nucleoside. <i>Dalton Transactions</i> , <b>2008</b> , 5866-8	4.3	21
844	Group-12 metal complexes with isomeric 1-(diphenylphosphino)-1'-[N-(pyridylmethyl)carbamoyl]ferrocenes: coordination polymers vs. finite multinuclear coordination assemblies. <i>Dalton Transactions</i> , <b>2008</b> , 2454-64	4.3	31
843	A novel chiral porous metal-organic framework: asymmetric ring opening reaction of epoxide with amine in the chiral open space. <i>Chemical Communications</i> , <b>2008</b> , 820-2	5.8	171
842	Hydrogen-Bonded Helices for Anion Binding and Separation. <b>2008</b> , 8, 1909-1915		49
841	Stepwise Guest Exchange in a Cluster-Supported Three-Dimensional Host. <b>2008</b> , 8, 399-401		46
840	A Novel Coordination Polymer as Positive Electrode Material for Lithium Ion Battery. <b>2008</b> , 8, 280-282		119
839	The Use of Metalloligands in Metal-Organic Frameworks. <b>2009</b> , 335-378		57

838	Syntheses and crystal structures of two supramolecular isomers of manganese(II) with 3,5-bis(isonicotinamido)benzoate. <i>Journal of Coordination Chemistry</i> , <b>2009</b> , 62, 2421-2428	1.6	7
837	Chiral metal-organic porous materials: synthetic strategies and applications in chiral separation and catalysis. <b>2010</b> , 293, 115-53		40
836	Self-Assembly and Structure of Cobalt(II) Complexes Using Diaminodiamide Ligands. <b>2009</b> , 56, 916-922		2
835	Controlled polymerization by incarceration of monomers in nanochannels. <b>2010</b> , 293, 155-73		11
834	Amino-based metal-organic frameworks as stable, highly active basic catalysts. <i>Journal of Catalysis</i> , <b>2009</b> , 261, 75-87	7.3	535
833	Mesoporous sodalite: A novel, stable solid catalyst for base-catalyzed organic transformations. <i>Journal of Catalysis</i> , <b>2009</b> , 264, 88-92	7.3	79
832	Porous Chromium Terephthalate MIL-101 with Coordinatively Unsaturated Sites: Surface Functionalization, Encapsulation, Sorption and Catalysis. <b>2009</b> , 19, 1537-1552		748
831	Scintillating Metal-Organic Frameworks: A New Class of Radiation Detection Materials. <b>2009</b> , 21, 95-101		128
830	Morphology-Selective Formation and Morphology-Dependent Gas-Adsorption Properties of Coordination Polymer Particles. <b>2009</b> , 21, 674-677		105
829	A Luminescent Metal-Organic Framework with Lewis Basic Pyridyl Sites for the Sensing of Metal Ions. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 508-511	3.6	155
828	Control of channel size for selective guest inclusion with inlaid anionic building blocks in a porous cationic metal-organic host framework. <b>2009</b> , 15, 6518-28		40
827	Unprecedented sulfone-functionalized metal-organic frameworks and gas-sorption properties. <b>2009</b> , 15, 4523-7		114
826	Guest-driven luminescence: lanthanide-based host-guest systems with bimodal emissive properties based on a guest-driven approach. <b>2009</b> , 15, 10432-45		66
825	Development of a continuous-flow system for asymmetric hydrogenation using self-supported chiral catalysts. <b>2009</b> , 15, 9855-67		54
824	Crown-ether-like Pb(II)-metal framework with dual- and bimodal emissive properties based on its photochromic precursor by leaching. <b>2009</b> , 15, 10742-6		55
823	Bipyridinium array-type porous polymer displaying hydrogen storage, charge-transfer-type guest inclusion, and tunable magnetic properties. <b>2009</b> , 15, 11890-7		75
822	A luminescent metal-organic framework with Lewis basic pyridyl sites for the sensing of metal ions. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 500-3	16.4	980
821	Structures of N,N',N''-tris(3-pyridinyl)-1,3,5-benzenetricarboxamide and its nano-scopic zinc(II) coordination ring and their interaction with calf thymus DNA. <i>Journal of Molecular Structure</i> , <b>2009</b> , 920, 18-22	3.4	4

820	A Hydrogen-Bonded Framework Complex without Lattice Solvents: Synthesis Reversible Crystal-to-Amorphous Transformation and Chromic Properties. <b>2009</b> , 635, 1511-1513		3
819	Synthesis, Structures, and Properties of Two Novel Supramolecular Architectures Constructed from [2,3-F]Pyrazino[1,10]phenanthroline-2,3-dicarboxylic Acid. <b>2009</b> , 635, 2622-2626		4
818	One-dimensional imidazole aggregate in aluminium porous coordination polymers with high proton conductivity. <b>2009</b> , 8, 831-6		625
817	Knoevenagel condensation and cyanosilylation reactions catalyzed by a MOF containing coordinatively unsaturated Zn(II) centers. <b>2009</b> , 299, 1-4		98
816	Construction of one-, two- and three-dimensional Cu(I) polymeric architectures containing bis(diphenylphosphino)acetylene and 4,4'-bipyridine linking ligands. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 3595-3599	2.7	10
815	Construction of crystal structures of metal(II)Benzoates (M = Mn, Ni, Co, Cu, Zn, and Cd) and 1,2-bis(4-pyridyl)ethane: Effects of metal coordination modes and their catalytic activities. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 4119-4126	2.7	29
814	A novel luminescent Lead coordination framework with quinoline-6-carboxylic acid. <i>Journal of Molecular Structure</i> , <b>2009</b> , 922, 140-143	3.4	8
813	Controlling self-assembly of zinc(II)-benzoate coordination complexes with 1,4-bis(4-pyridyl)ethane by varying solvent and ligand-to-metal ratio: Their catalytic activities. <i>Polyhedron</i> , <b>2009</b> , 28, 553-561	2.7	58
812	Metal-directed supramolecular assembly of metal(II) benzoates (M = Co, Ni, Cu, Zn, Mn, and Cd) with 4,4'-bipyridine: Effects of metal coordination modes and novel catalytic activities. <i>Polyhedron</i> , <b>2009</b> , 28, 1241-1252	2.7	62
811	Metal-organic coordination architectures of azole heterocycle ligands bearing acetic acid groups: Synthesis, structure and magnetic properties. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2918-2923	3.3	6
810	Coordination polymers constructed from transition metal ions and organic N-containing heterocyclic ligands: Crystal structures and microporous properties. <b>2009</b> , 34, 240-279		142
809	Molecular engineering for synthesizing novel structures of metal-organic frameworks with multifunctional properties. <i>Coordination Chemistry Reviews</i> , <b>2009</b> , 253, 2891-2911	23.2	583
808	An unprecedented 3D honeycomb-shaped cobalt phosphonate containing sixfold helical chains: Synthesis, crystal structure and thermal stability. <b>2009</b> , 12, 552-554		4
807	Silver(I) coordination polymers self-assembled through methanolysis of pyrazinecarbonitrile: Structure and photoluminescence. <b>2009</b> , 12, 1220-1223		6
806	Metal-organic framework materials as catalysts. <b>2009</b> , 38, 1450-9		6514
805	Selective gas adsorption and separation in metal-organic frameworks. <b>2009</b> , 38, 1477-504		6570
804	Temperature-Controlled Synthesis of Metal-Organic Coordination Polymers: Crystal Structure, Supramolecular Isomerism, and Porous Property. <b>2009</b> , 9, 4147-4156		134
803	Interfacial self-assembly of metal-mediated viologen-like coordination polyelectrolyte hybrids of the bisterpyridine ligand and their optical, electrochemical, and electrochromic properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 1250-8	9.5	24

802	Porous coordination polymer with pyridinium cationic surface, [Zn(2)(tpa)(2)(cpb)]. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 10336-7	16.4	108
801	A multifunctional 3D ferroelectric and NLO-active porous metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6894-5	16.4	251
800	New Interpenetrated Copper Coordination Polymer Frameworks having Porous Properties. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 5860-5866	9.6	88
799	Selective Gas Adsorption in One-Dimensional, Flexible CuII Coordination Polymers with Polar Units. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 3346-3355	9.6	63
798	Metallohelical triangles for selective detection of adenosine triphosphate in aqueous media. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 408-10	5.1	48
797	Isomeric zinc(II) triazolate frameworks with 3-connected networks: syntheses, structures, and sorption properties. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 3882-9	5.1	87
796	Unusual anion effect on the direction of three-dimensional (3-D) channel-like silver(I) coordination frameworks with isonicotinic acid N-oxide. <i>CrystEngComm</i> , <b>2009</b> , 11, 1536	3.3	55
795	A pillared-layer coordination polymer with a rotatable pillar acting as a molecular gate for guest molecules. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12792-800	16.4	274
794	Layered transition metal carboxylates: efficient reusable heterogeneous catalyst for epoxidation of olefins. <b>2009</b> , 25, 13667-72		38
793	Designing metal-organic frameworks for catalytic applications. <b>2010</b> , 293, 175-205		92
792	MOF-5/n-Bu4NBr: an efficient catalyst system for the synthesis of cyclic carbonates from epoxides and CO2 under mild conditions. <b>2009</b> , 11, 1031		380
791	Porous Coordination Polymers Towards Gas Technology. <i>Structure and Bonding</i> , <b>2009</b> , 96-106	0.9	
790	Observation of the least stable conformer of 1,4-cyclohexanedicarboxylic anions in a samarium coordination architecture. <i>CrystEngComm</i> , <b>2009</b> , 11, 2248	3.3	16
789	Toward Copper(I)-Iodide-Based Coordination Architectures via N,N'-Bis(pyridylcarbonyl)-4,4'-diaminodiphenyl Ether with Different Solvent Compositions. <b>2009</b> , 9, 5343-5350 <sup>38</sup>		
788	Microporous 3-D chiral metal-organic framework with a quartzlike topology based on an achiral building unit. <i>Journal of Coordination Chemistry</i> , <b>2009</b> , 62, 2665-2674	1.6	18
787	Synthesis of a metal-organic framework film by direct conversion technique for VOCs sensing. <i>Dalton Transactions</i> , <b>2009</b> , 3009-13	4.3	104
786	Porous manganese(II) 3-(2-pyridyl)-5-(4-pyridyl)-1,2,4-triazolate frameworks: rational self-assembly, supramolecular isomerism, solid-state transformation, and sorption properties. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 6652-60	5.1	82
785	Highly tunable metal-organic frameworks with open metal centers. <i>CrystEngComm</i> , <b>2009</b> , 11, 553-555	3.3	165

784	Supramolecular Heteropentamers As Building Blocks for Metal Organic Materials: Synthesis and Characterization of 1D and 2D 2-Fold Interpenetrated Frameworks. <b>2009</b> , 9, 1020-1027		6
783	Protection and deprotection approach for the introduction of functional groups into metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6312-3	16.4	132
782	Porous Metal Organic Frameworks. <b>2009</b> , 77-99		9
781	Adsorption of methane in heterometallic metal-organic frameworks with anions: a molecular simulation study. <b>2009</b> , 35, 213-219		5
780	Two eight-connected self-penetrating porous metal-organic frameworks: configurational isomers caused by different linking modes between terephthalate and binuclear nickel building units. <i>CrystEngComm</i> , <b>2009</b> , 11, 274-277	3.3	65
779	Self-supported catalysts. <i>Chemical Reviews</i> , <b>2009</b> , 109, 322-59	68.1	494
778	Water Molecules as Binders in Transformation of 2D Coordination Polymer [Cu(4,4'-bpy)2(OTf)2] into Parallel Aligned 3D Architectures. <b>2010</b> , 83, 276-278		9
777	The application of metal-organic frameworks in catalysis (Review). <b>2010</b> , 50, 167-180		93
776	Structural and catalytic performance of a polyoxometalate-based metal-organic framework having a lanthanide nanocage as a secondary building block. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 1280-2	5.1	94
775	MOFs, MILs and more: concepts, properties and applications for porous coordination networks (PCNs). <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 2366	3.6	934
774	Functionalization in flexible porous solids: effects on the pore opening and the host-guest interactions. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 1127-36	16.4	384
773	Two robust porous metal-organic frameworks sustained by distinct catenation: selective gas sorption and single-crystal-to-single-crystal guest exchange. <b>2010</b> , 5, 2358-68		52
772	Liquid phase separations by crystalline microporous coordination polymers. <b>2010</b> , 1, 293		156
771	Recent advances in crystal engineering. <i>CrystEngComm</i> , <b>2010</b> , 12, 22-43	3.3	642
770	Organic ammonium ion-occluded flexible coordination polymers: Thermal activation, structure transformation and proton transfer. <b>2010</b> , 53, 2144-2151		15
769	Building MOF bottles around phosphotungstic acid ships: One-pot synthesis of bi-functional polyoxometalate-MIL-101 catalysts. <i>Journal of Catalysis</i> , <b>2010</b> , 269, 229-241	7.3	290
768	Polyoxometalate-Based Metal-Organic Frameworks as Heterogeneous Catalysts for Selective Oxidation of Ethylbenzene. <b>2010</b> , 2010, 4526-4531		32
767	Micromolding of a Highly Fluorescent Reticular Coordination Polymer: Solvent-Mediated Reconfigurable Polymerization in a Soft Lithographic Mold. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 3845-3849	3.6	4



766	Micromolding of a highly fluorescent reticular coordination polymer: solvent-mediated reconfigurable polymerization in a soft lithographic mold. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3757-61	16.4	25
765	Crystal structures and fluorescence of two Cd(II) complexes based on N-(3-carboxyphenyl)iminodiacetic acid and 5-amino isophthalic acid. <i>Journal of Molecular Structure</i> , <b>2010</b> , 965, 82-88	3.4	19
764	Mono- and dinuclear manganese(II) complexes derived from the cis/trans isomers of 2,4,5-tris(2-pyridyl)-4,5-dihydroimidazole. <i>Inorganica Chimica Acta</i> , <b>2010</b> , 363, 1179-1185	2.7	9
763	Synthesis and structures of CoII, NiII, and CuII coordination frameworks formed by a flexible 1,3-phenylenediacetic acid ligand. <i>Journal of Molecular Structure</i> , <b>2010</b> , 976, 168-173	3.4	2
762	Electrochemical behaviors of nanoporous coordination polymer multilayers in hexacyanoferrate solution. <b>2010</b> , 366, 183-190		10
761	Solvent-induced two heterometallic coordination polymers based on a flexible ferrocenyl ligand. <b>2010</b> , 13, 19-21		7
760	Two cobalt(II) coordination polymers based on carboxylate ligand: Preparation, crystal structures and magnetic properties. <b>2010</b> , 13, 737-740		11
759	Photoactivation of a nanoporous crystal for on-demand guest trapping and conversion. <b>2010</b> , 9, 661-6		171
758	. <b>2010</b> ,		280
757	Methyl 4-isonicotinamido-benzoate monohydrate. <b>2010</b> , 66, 01898		2
756	One-dimensional imidazole aggregate in aluminium porous coordination polymers with high proton conductivity. <b>2010</b> , 232-237		4
755	Metal-organic polyhedra for selective sensing of ribonucleosides through the cooperation of hydrogen-bonding interactions. <i>Dalton Transactions</i> , <b>2010</b> , 39, 7727-32	4.3	24
754	Catalytic properties of a series of coordination networks: cyanosilylation of aldehydes catalyzed by Zn(II)-4,4'-bpy-carboxylato complexes. <i>Dalton Transactions</i> , <b>2010</b> , 39, 7936-42	4.3	38
753	A Family of Highly Stable Lanthanide Metal-Organic Frameworks: Structural Evolution and Catalytic Activity. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 3316-3322	9.6	210
752	A 3-dimensional coordination polymer with a fluorite structure constructed from a semi-rigid tetrahedral ligand. <i>CrystEngComm</i> , <b>2010</b> , 12, 2669	3.3	43
751	Periodic molecular boxes in entangled enantiomorphic lcy nets. <i>Chemical Communications</i> , <b>2010</b> , 46, 4142-4	5.8	25
750	Metal-Organic Frameworks (MOFs) and Coordination Polymers. <b>2010</b> , 235-269		10
749	In situ single-crystal diffraction studies of the structural transition of metal-organic framework copper 5-sulfoisophthalate, Cu-SIP-3. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 3605-11	16.4	87

748	3-D frameworks assembled by lanthanide dimers with 1,4-cyclohexanedicarboxylic acid and 1,10-phenanthroline via hydrogen bonds and $\pi$ -stacking interactions. <i>Journal of Coordination Chemistry</i> , <b>2010</b> , 63, 2088-2096	1.6	11
747	Efficient Detection of Organophosphate Pesticide Based on a Metal-Organic Framework Derived from Biphenyltetracarboxylic Acid. <b>2010</b> , 10, 2835-2838		59
746	Novel functionalized metal-organic framework based on unique hexagonal prismatic clusters. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 8647-9	5.1	29
745	Coordination Polymers and Networks Constructed from Bidentate Ligands Linked with Sulfonamide and Silver(I) Ions. <b>2010</b> , 10, 2291-2297		21
744	Thermal reaction of a columnar assembled diacetylene macrocycle. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 5334-5	16.4	100
743	A porous coordination network catalyzes an olefin isomerization reaction in the pore. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 30-1	16.4	80
742	A symmetry-controlled and face-driven approach for the assembly of cerium-based molecular polyhedra. <i>Dalton Transactions</i> , <b>2010</b> , 39, 11122-5	4.3	30
741	A new ligand for metal-organic framework and co-crystal synthesis: mechanochemical route to rctt-1,2,3,4-tetrakis-(4'-carboxyphenyl)-cyclobutane. <i>Chemical Communications</i> , <b>2010</b> , 46, 3660-2	5.8	46
740	Adjusting the Porosity and Interpenetration of Cadmium(II) Coordination Polymers by Ligand Modification: Syntheses, Structures, and Adsorption Properties. <b>2010</b> , 10, 1138-1144		92
739	Mixed azide and 5-(pyrimidyl)tetrazole bridged Co(II)/Mn(II) polymers: synthesis, crystal structures, ferroelectric and magnetic behavior. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 8583-90	5.1	86
738	Synthesis, Crystal Structure, and Photoluminescence of a Series of Zinc(II) Coordination Polymers with 1,4-Di(1H-imidazol-4-yl)benzene and Varied Carboxylate Ligands. <b>2010</b> , 10, 812-822		110
737	Metal-Organic Framework Based on [Zn <sub>4</sub> O(COO) <sub>6</sub> ] Clusters: Rare 3D Kagom $\pi$ Topology and Luminescence. <b>2010</b> , 10, 44-47		48
736	Controlled Multiscale Synthesis of Porous Coordination Polymer in Nano/Micro Regimes. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4531-4538	9.6	393
735	Engineering metal organic frameworks for heterogeneous catalysis. <i>Chemical Reviews</i> , <b>2010</b> , 110, 4606-55.1	55.1	2969
734	Multifunctional catalysis by Pd@MIL-101: one-step synthesis of methyl isobutyl ketone over palladium nanoparticles deposited on a metal-organic framework. <i>Chemical Communications</i> , <b>2010</b> , 46, 2280-2	5.8	226
733	Assembling triple helical amide-to-amide hydrogen bonded columns of tris(4-halophenyl)benzene-1,3,5-tricarboxamides into porous materials via halogen...halogen interactions. <i>Chemical Communications</i> , <b>2010</b> , 46, 6530-2	5.8	35
732	Unique (3,12)-connected porous lanthanide-organic frameworks based on Ln(4)O(4) clusters: synthesis, crystal structures, luminescence, and magnetism. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 1865-71	5.1	106
731	Functional mesoporous metal-organic frameworks for the capture of heavy metal ions and size-selective catalysis. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 11637-42	5.1	243

730	Syntheses, crystal structures and properties of silver(I) and copper(II) complexes with an oxazoline-containing tetradentate ligand. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 2436	3.6	7
729	Surface Pore Engineering of Porous Coordination Polymers. <b>2010</b> , 165-192		2
728	Selective Sorption of Gases and Vapors in Metal-Organic Frameworks. <b>2010</b> , 215-248		1
727	A palladium(II) triangle as building blocks of microporous molecular materials: structures and catalytic performance. <i>Chemical Communications</i> , <b>2010</b> , 46, 746-8	5.8	34
726	Water-induced reversible structural phase transformation with chromotropism in metal supramolecular frameworks containing aminopyrazine and sulfate anions. <i>Dalton Transactions</i> , <b>2010</b> , 39, 8161-7	4.3	24
725	Functionalization of coordination nanochannels for controlling tacticity in radical vinyl polymerization. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4917-24	16.4	99
724	Facile fabrication of metal-organic framework films promoted by colloidal seeds on various substrates. <i>CrystEngComm</i> , <b>2010</b> , 12, 352-354	3.3	26
723	Solvent-free porous framework resulted from 3D entanglement of 1D zigzag coordination polymer. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 2392	3.6	7
722	Versatile functionalities in MOFs assembled from the same building units: interplay of structural flexibility, rigidity and regularity. <b>2010</b> , 20, 1322-1331		66
721	A metal-organic framework with coordinatively unsaturated metal centers and microporous structure. <i>CrystEngComm</i> , <b>2010</b> , 12, 2347	3.3	22
720	Asymmetric alcoholic kinetic resolution of styrene oxide catalysed by chiral metal-organic framework crystals. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 2389	3.6	37
719	Synthesis and characterization of metal complexes with a mixed 4-imidazole-containing ligand and a variety of multi-carboxylic acids. <i>CrystEngComm</i> , <b>2010</b> , 12, 3091	3.3	51
718	Remarkable structural diversity and single-crystal-to-single-crystal transformations in sulfone functionalized lanthanide MOFs. <i>CrystEngComm</i> , <b>2010</b> , 12, 1034-1037	3.3	34
717	A three-dimensional microporous metal-organic framework with large hydrogen sorption hysteresis. <i>Chemical Communications</i> , <b>2011</b> , 47, 1204-6	5.8	62
716	Temperature dependent selective gas sorption of the microporous metal-imidazolate framework [Cu(L)] [H <sub>2</sub> L = 1,4-di(1H-imidazol-4-yl)benzene]. <i>Chemical Communications</i> , <b>2011</b> , 47, 752-4	5.8	157
715	Two-dimensional {Co(3+)-Zn2+} and {Co(3+)-Cd2+} networks and their applications in heterogeneous and solvent-free ring opening reactions. <i>Dalton Transactions</i> , <b>2011</b> , 40, 12454-61	4.3	42
714	Self-adaptation of a conformationally flexible yet restricted piperazine-pyrazine building block toward the design of coordination polymers. <i>CrystEngComm</i> , <b>2011</b> , 13, 2960	3.3	7
713	Single-crystal-to-single-crystal transformations and selective adsorption of porous copper(II) frameworks. <i>Chemical Communications</i> , <b>2011</b> , 47, 3787-9	5.8	96

712	Preparation of Microporous Carbon Fibers through Carbonization of Al-Based Porous Coordination Polymer (Al-PCP) with Furfuryl Alcohol. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1225-1231	9.6	218
711	Direct synthesis of nanoporous carbon nitride fibers using Al-based porous coordination polymers (Al-PCPs). <i>Chemical Communications</i> , <b>2011</b> , 47, 8124-6	5.8	137
710	Entangled Coordination Frameworks with 1,4-Di(1H-imidazol-4-yl)benzene. <b>2011</b> , 11, 1082-1090		46
709	Structural Study of D2 within the Trimodal Pore System of a Metal Organic Framework. <b>2011</b> , 115, 8851-8857		29
708	A highly porous interpenetrated metal-organic framework from the use of a novel nanosized organic linker. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 11297-9	5.1	32
707	Novel route to size-controlled Fe-MIL-88B-NH <sub>2</sub> metal-organic framework nanocrystals. <b>2011</b> , 27, 15261-7		170
706	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
705	Metal-Organic Frameworks as Catalysts for Organic Reactions. <b>2011</b> , 191-212		13
704	From ladder, net to framework: Coordination polymers based on Zn(II)/Cd(II) ions and mixed bicarboxyl- and bipyridine-containing linear ligands. <i>CrystEngComm</i> , <b>2011</b> , 13, 2542	3.3	25
703	Design of Porous Coordination Polymers/Metal-Organic Frameworks: Past, Present and Future. <b>2011</b> , 1-21		6
702	Two new metal-organic frameworks possessing binodal high-connected topologies based on Cd <sub>4</sub> -clusters and organic ligands. <i>Journal of Coordination Chemistry</i> , <b>2011</b> , 64, 222-231	1.6	13
701	A general thermolabile protecting group strategy for organocatalytic metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 5806-9	16.4	290
700	Reversible Single-Crystal to Single-Crystal Exchange of Guests in a Seven-Fold Interpenetrated Diamondoid Coordination Polymer. <b>2011</b> , 11, 1411-1416		33
699	Porous Metal-Organic Frameworks. <b>2011</b> , 1-20		3
698	Influence of the Organic Ligand Functionalization on the Breathing of the Porous Iron Terephthalate Metal Organic Framework Type Material upon Hydrocarbon Adsorption. <b>2011</b> , 115, 18683-18695	4.4	
697	Two Porous Zinc Coordination Polymers with (10,3) Topological Features Based on a N-Centered Tripodal Ligand and the Conversion of a (10,3)-d Subnet to a (10,3)-a Subnet. <b>2011</b> , 11, 3039-3044		57
696	Three-Dimensional Robust Porous Coordination Polymer with Schiff Base Site on the Pore Wall: Synthesis, Single-Crystal-to-Single-Crystal Reversibility, and Selective CO <sub>2</sub> Adsorption. <b>2011</b> , 11, 3905-3911		57
695	Porous metal-organic frameworks as platforms for functional applications. <i>Chemical Communications</i> , <b>2011</b> , 47, 3351-70	5.8	743

694	Wide control of proton conductivity in porous coordination polymers. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 2034-6	16.4	461
693	Homochiral nickel coordination polymers based on salen(Ni) metalloligands: synthesis, structure, and catalytic alkene epoxidation. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 2191-8	5.1	99
692	Crystal Engineering of Metal-Organic Frameworks for Heterogeneous Catalysis. <b>2011</b> , 271-298		5
691	Syntheses, structures and luminescent properties of decorated lanthanide metal-organic frameworks of (E)-4,4'-(ethene-1,2-diyl)dibenzoic acids. <i>CrystEngComm</i> , <b>2011</b> , 13, 1821-1830	3.3	20
690	Knoevenagel condensation catalyzed by a tertiary-amine functionalized polyacrylonitrile fiber. <b>2011</b> , 13, 1828		81
689	Selective CO <sub>2</sub> adsorption in a flexible non-interpenetrated metal-organic framework. <i>Chemical Communications</i> , <b>2011</b> , 47, 4258-60	5.8	114
688	Coordination Polymers in Selective Separation of Cations and Anions: A Series of Rarely Observed All Helical Three-Dimensional Coordination Polymers Derived from Various Chiral Amino Acid Based Bis-pyridyl-bis-amide Ligands. <b>2011</b> , 11, 5592-5597		15
687	Morphology design of porous coordination polymer crystals by coordination modulation. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15506-13	16.4	326
686	Helical water chain mediated proton conductivity in homochiral metal-organic frameworks with unprecedented zeolitic unh-topology. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 17950-8	16.4	326
685	Effect of humidity on the performance of microporous coordination polymers as adsorbents for CO <sub>2</sub> capture. <b>2011</b> , 27, 6368-73		368
684	Polymer-Friendly Metal-Organic Frameworks. <b>2011</b> , 175-189		2
683	Construction of Coordination Polymers with a Bifurcating Ligand: Synthesis, Structure, Photoluminescence, and Magnetic Studies. <b>2011</b> , 11, 1122-1134		52
682	A metal-organic framework for selectively sensing of PO <sub>4</sub> <sup>3-</sup> anion in aqueous solution. <b>2011</b> , 509, 2552-2554		61
681	Structure, adsorption and magnetic properties of chiral metal-organic frameworks bearing linear trinuclear secondary building blocks. <i>Dalton Transactions</i> , <b>2011</b> , 40, 1911-8	4.3	42
680	Supramolecular Assembly of Calcium Metal-Organic Frameworks with Structural Transformations. <b>2011</b> , 11, 699-708		84
679	Advances in Metal-Organic Frameworks for Heterogeneous Catalysis. <b>2011</b> , 4, 1-16		2
678	Syntheses and crystal structures of two Co(II) coordination polymers based on 4,6-bis(4-methylbenzoyl)isophthalic acid and 4,4'-bipyridine. <i>Journal of Coordination Chemistry</i> , <b>2011</b> , 64, 893-901	1.6	5
677	Two new nickel(II) complexes constructed by biphenyl-2,2',6,6'-tetracarboxylic acid: A case study with 2,2'-bipyridine and 1H,1H'-2,2'-biimidazole. <b>2011</b> , 13, 1542-1547		8

676	Thiol-functionalization of metal-organic framework by a facile coordination-based postsynthetic strategy and enhanced removal of Hg <sup>2+</sup> from water. <b>2011</b> , 196, 36-43			375
675	A layered amino-functionalized zinc-terephthalate metal organic framework: Structure, characterization and catalytic performance for Knoevenagel condensation. <b>2011</b> , 14, 1966-1970			54
674	Light-induced self-assemblies suitable for photodimerization and their light-induced [2+2] cycloaddition: Light as a control factor of crystal growth. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 376, 605-611	2.7		4
673	Construction of a series of mercury(II) complexes based on a bis-pyridyl-bis-amide ligand: Effect of counter anions, interactions on the supermolecular structures. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 378, 326-332	2.7		11
672	A highly efficient Co (0) catalyst derived from metal-organic framework for the hydrolysis of ammonia borane. <b>2011</b> , 36, 10468-10473			49
671	Hydroxyl group recognition by hydrogen-bonding donor and acceptor sites embedded in a layered metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11050-3	16.4		79
670	A vanadium (VO <sub>2</sub> <sup>+</sup> ) metal-organic framework: selective vapor adsorption, magnetic properties, and use as a precursor for a polyoxovanadate. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 5145-52	5.1		26
669	Metal-organic cyclohelicates as optical receptors for glutathione: syntheses, structures, and host-guest behaviors. <b>2011</b> , 6, 1225-33			9
668	Sophisticated crystal transformation of a coordination polymer into mesoporous monocrystalline Ti-Fe-based oxide with room-temperature ferromagnetic behavior. <b>2011</b> , 6, 3195-9			17
667	Semirigid aromatic sulfone-carboxylate molecule for dynamic coordination networks: multiple substitutions of the ancillary ligands. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 7142-9	5.1		19
666	Precise control and consecutive modulation of spin transition temperature using chemical migration in porous coordination polymers. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8600-5	16.4		167
665	Asymmetric catalytic reactions by NbO-type chiral metal-organic frameworks. <b>2011</b> , 2, 877			191
664	Synthesis and Characterization of an Amino Functionalized MIL-101(Al): Separation and Catalytic Properties. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 2565-2572	9.6		423
663	Synthesis and Crystal Structures of Two Metal Complexes Formed in the Solvothermal Decomposition Reactions of N-Carboxyphenylenesulfonyl-S-Carboxymethyl-L-Cysteine. <b>2011</b> , 41, 1510-1514			2
662	Exploration of Ni@Zn-MOCP via a wet impregnation strategy as a hydrogenation catalyst. <b>2011</b> , 104, 451-465			3
661	Sol-gel derived organic-inorganic hybrid materials: synthesis, characterizations and applications. <b>2011</b> , 59, 73-94			180
660	Crystalline forms of 1,3,5-benzene-tri(pyridinyl)carboxamides: Isolated site hydrates as polymorphs and solvates. <i>Journal of Molecular Structure</i> , <b>2011</b> , 991, 97-102	3.4		9
659	Structural diversity in two dimensional chiral coordination polymers involving 4,4'-bipyridine and L-cysteate as bridging ligands with Zn and Cd metal centres: Synthesis, characterization and X-ray crystallographic studies. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 365, 363-370	2.7		29

658	Synthesis of cyclic carbonates and dimethyl carbonate using CO <sub>2</sub> as a building block catalyzed by MOF-5/KI and MOF-5/KI/K <sub>2</sub> CO <sub>3</sub> . <b>2011</b> , 6, 21-30		19
657	A new one-dimensional hybrid material lattice: AC conductivity and structural characterization of [C <sub>7</sub> H <sub>12</sub> N <sub>2</sub> ][CdCl <sub>4</sub> ]. <b>2011</b> , 17, 145-155		16
656	Two Novel Isostructural 3D LnBr (Ln = Eu; Gd) Coordination Polymers Based on Oxalate Ligands with Unusual Topology: Synthesis, Crystal Structures, and Luminescence. <b>2011</b> , 637, 578-582		2
655	A lvt-type Framework [Cu <sub>2</sub> (tza) <sub>4</sub> ][ClO <sub>4</sub> ] <sub>4</sub> ·4H <sub>2</sub> O Derived from 1H-tetrazole-1-acetic Acid. <b>2011</b> , 637, 755-758		6
654	Synthesis, Crystal Structure, and Properties of the 3D Porous Framework [Zn(INAIP)] <sub>2</sub> [DMA] <sub>2</sub> ·H <sub>2</sub> O. <b>2011</b> , 637, 1220-1223		5
653	Luminescent Sensing and Catalytic Performances of a Multifunctional Lanthanide-Organic Framework Comprising a Triphenylamine Moiety. <b>2011</b> , 21, 2788-2794		140
652	Au@MOF-5 and Au/MO <sub>x</sub> @MOF-5 (M = Zn, Ti; x = 1, 2): Preparation and Microstructural Characterisation. <b>2011</b> , 2011, 1876-1887		92
651	Discrete and Infinite Metallacyclic Coordination Architectures Based on a Conformationally Flexible Tripodal Aminotriazine-Derived Polypyridyl Ligand. <b>2011</b> , 2011, 2172-2178		9
650	Magnetic and Sorption Properties of Supramolecular Systems Based on Pentanuclear Copper(II) 12-Metallacrown-4 Complexes and Isomeric Phthalates: Structural Modeling of the Different Stages of Alcohol Sorption. <b>2011</b> , 2011, 4826-4836		41
649	Sequential Functionalization of Porous Coordination Polymer Crystals. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8207-8211	3.6	21
648	Sequential functionalization of porous coordination polymer crystals. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8057-61	16.4	157
647	Co <sub>3</sub> (HCOO) <sub>6</sub> microporous metal-organic framework membrane for separation of CO <sub>2</sub> /CH <sub>4</sub> mixtures. <b>2011</b> , 17, 12076-83		50
646	A new three-dimensional cobalt(II) coordination polymer based on biphenyl-2,2',6,6'-tetracarboxylic acid and 1,2,4-triazole: Synthesis, crystal structure and magnetic properties. <b>2011</b> , 14, 261-264		26
645	The roles of the allyloxy groups on terephthalate for the formation of three coordination networks. <b>2011</b> , 14, 569-572		10
644	A new three-dimensional uninodal six-connected coordination polymer constructed from butterfly-like [Cd <sub>4</sub> (β-OH) <sub>2</sub> ] secondary building units: Pcu net topology and luminescence. <b>2011</b> , 14, 1201-1203		10
643	Arylamine-solvated copper(I)/iodide coordination polymers cooperatively formed by the amination of aryl iodides and the assembly of [Cu <sub>2</sub> I <sub>2</sub> ] species with 1,2-bis(4-pyridyl)ethane. <b>2011</b> , 14, 1537-1540		7
642	Recent advances of discrete coordination complexes and coordination polymers in drug delivery. <i>Coordination Chemistry Reviews</i> , <b>2011</b> , 255, 1623-1641	23.2	239
641	MOFs meet monoliths: Hierarchical structuring metal organic framework catalysts. <b>2011</b> , 391, 261-267		115

640	Two-dimensional rhombus grid coordination polymer showing heterogeneous catalytic activities. <b>2011</b> , 342-343, 6-10		32
639	Kinetics and mechanism of the heterogeneous catalyzed oxidative decolorization of Acid-Blue 92 using bimetallic metal-organic frameworks. <b>2011</b> , 79, 1969-75		34
638	Anion effects on the crystal structures of ZnII complexes containing 2,2'-bipyridine: Their photoluminescence and catalytic activities. <i>Polyhedron</i> , <b>2011</b> , 30, 1555-1564	2.7	39
637	Self-Assembly, Crystal Structure, and Thermal and Photoluminescent Properties of a Coordination Polymer [HgI <sub>2</sub> (3-bpfob)] <sub>n</sub> . <b>2011</b> , 41, 1074-1079		1
636	One-Dimensional Helical Homochiral Metal-Organic Framework Built from 2,2'-Dihydroxy-1,1'-binaphthyl-3,3'-dicarboxylic Acid. <b>2011</b> , 3, 1866-1874		3
635	N-[2,6-Bis(1-methyl-ethyl)phen-yl]pyridine-4-carboxamide. <b>2012</b> , 68, o2975-6		1
634	The Role of the Coordination Modes of a Flexible Bis(pyridylamide) Ligand in the Topology of 2D Copper(II) Complexes. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2012</b> , 67, 877-886	1	5
633	A Chiral Nanosheet Connected by Amide Hydrogen Bonds. <b>2012</b> , 12, 5159-5163		18
632	Three new acylamide ligands formed in situ and their application in constructing metal-organic frameworks. <i>CrystEngComm</i> , <b>2012</b> , 14, 8418	3.3	13
631	Dynamic porous metal-organic frameworks: synthesis, structure and sorption property. <i>CrystEngComm</i> , <b>2012</b> , 14, 8569	3.3	31
630	Amorphous-to-Crystalline Transformation with Fluorescence Enhancement and Switching of Molecular Nanoparticles Fixed in a Polymer Thin Film. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 12019-12022	3.6	7
629	Amorphous-to-crystalline transformation with fluorescence enhancement and switching of molecular nanoparticles fixed in a polymer thin film. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11849-52	16.4	42
628	Facile Synthesis of MIL-68(In) Films with Controllable Morphology. <b>2012</b> , 2012, 0-0		
627	Synthesis, crystal structures and properties of lanthanide-organic frameworks based benzene carboxylates with two/three-dimensional structure. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 196, 441-450	3.3	22
626	Syntheses, characterization and crystal structure of d10 coordination architectures: From 1D to 3D complexes based on mixed ligands. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 392, 77-83	2.7	3
625	Challenging fabrication of hollow ceramic fiber supported Cu <sub>3</sub> (BTC) <sub>2</sub> membrane for hydrogen separation. <b>2012</b> , 22, 10322		63
624	Unique in situ reduction of copper(II) forming an interesting photoluminescent stair-polymer of copper(I) with a Cu <sub>2</sub> S <sub>2</sub> core. <i>Dalton Transactions</i> , <b>2012</b> , 41, 10145-9	4.3	15
623	Direct observation of the formation of micro-cubic porous coordination polymer particles and their size-dependent hydrogen adsorption. <i>CrystEngComm</i> , <b>2012</b> , 14, 5381	3.3	2



622	Construction of coordination frameworks based on 4-imidazolyl tecton 1,4-di(1H-imidazol-4-yl)benzene and varied carboxylic acids. <i>CrystEngComm</i> , <b>2012</b> , 14, 3564	3.3	70
621	Controlled growth of narrowly dispersed nanosize hexagonal MOF rods from Mn(III)-porphyrin and In(NO <sub>3</sub> ) <sub>3</sub> and their application in olefin oxidation. <i>Chemical Communications</i> , <b>2012</b> , 48, 5512-4	5.8	61
620	Catalytic performance of lanthanide molecular solids containing well-modified metal-organic octahedra. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 161-167	3.6	18
619	Crystal surface mediated structure transformation of a kinetic framework composed of multi-interactive ligand TPHAP and Co(II). <i>Chemical Communications</i> , <b>2012</b> , 48, 10651-3	5.8	25
618	Construction of 0D to 3D cadmium complexes from different pyridyl diimide ligands. <i>Dalton Transactions</i> , <b>2012</b> , 41, 4626-33	4.3	44
617	Self assembly of a tren-derivative hydrogenated Schiff base with transition metal ions: syntheses, crystal structures and photoluminescent properties. <i>CrystEngComm</i> , <b>2012</b> , 14, 2879	3.3	13
616	Alkali-lanthanide heterometallic coordination polymers based on 2,2'-bipyridine-6,6'-dicarboxylate: synthesis, structure, and luminescent properties. <i>CrystEngComm</i> , <b>2012</b> , 14, 2124	3.3	23
615	High and selective CO <sub>2</sub> capture by two mesoporous acylamide-functionalized rht-type metal-organic frameworks. <i>Chemical Communications</i> , <b>2012</b> , 48, 7025-7	5.8	167
614	Solvent-Driven Structural Diversities in ZnII Coordination Polymers and Complexes Derived from Bis-pyridyl Ligands Equipped with a Hydrogen-Bond-Capable Urea Backbone. <b>2012</b> , 12, 6061-6067		29
613	Lanthanide-pyridyl-2,5-dicarboxylate N-oxide frameworks with rutile topology. <i>CrystEngComm</i> , <b>2012</b> , 14, 512-518	3.3	29
612	Novel MnII coordination compounds constructed from benzoate and various bipyridyl ligands: Magnetic property and catalytic activity. <i>Polyhedron</i> , <b>2012</b> , 42, 282-290	2.7	23
611	A three-dimensional silver(I) framework assembled from 3,3'-thiodipropionate: Synthesis, structure and molecular simulations for hydrogen gas adsorption. <i>Polyhedron</i> , <b>2012</b> , 45, 103-106	2.7	11
610	Carboxylate-assisted acylamide metal-organic frameworks: synthesis, structure, thermostability and luminescence studies. <i>CrystEngComm</i> , <b>2012</b> , 14, 6182	3.3	38
609	Photoactive chiral metal-organic frameworks for light-driven asymmetric $\alpha$ -alkylation of aldehydes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 14991-9	16.4	373
608	Cd <sup>2+</sup> complexation with P(CH <sub>2</sub> OH) <sub>3</sub> , OP(CH <sub>2</sub> OH) <sub>3</sub> , and (HOCH <sub>2</sub> ) <sub>2</sub> PO <sub>2</sub> (-): coordination in solution and coordination polymers. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 9995-10003	5.1	14
607	Synthesis, Structural Characterization, and Magnetic Properties of a New Series of Coordination Polymers: Importance of Steric Hindrance at the Coordination Sphere. <b>2012</b> , 12, 4607-4623		28
606	A 3-dimensional coordination polymer with a rare lonsdaleite topology constructed from a tetrahedral ligand. <i>CrystEngComm</i> , <b>2012</b> , 14, 7174	3.3	28
605	Homochiral Crystallization of Metal-Organic Silver Frameworks: Asymmetric [3+2] Cycloaddition of an Azomethine Ylide. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 10274-10278	3.6	13

604	Homochiral crystallization of metal-organic silver frameworks: asymmetric [3+2] cycloaddition of an azomethine ylide. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10127-31	16.4	101
603	A versatile metal-organic framework for carbon dioxide capture and cooperative catalysis. <i>Chemical Communications</i> , <b>2012</b> , 48, 9995-7	5.8	214
602	A crystal engineering rationale in designing a CdII coordination polymer based metallogel derived from a C3 symmetric tris-amide-tris-carboxylate ligand. <b>2012</b> , 8, 7623		40
601	{[Co2(ndc)2(bpee)2](bpee)}: a 3D multifunctional MOF. <i>CrystEngComm</i> , <b>2012</b> , 14, 4980	3.3	18
600	Enhanced hydrostability in Ni-doped MOF-5. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 9200-7	5.1	177
599	Fuel purification, Lewis acid and aerobic oxidation catalysis performed by a microporous Co-BTT (BTT3= 1,3,5-benzenetristetrazolate) framework having coordinatively unsaturated sites. <b>2012</b> , 22, 10200		53
598	Selective carbon dioxide uptake and crystal-to-crystal transformation: porous 3D framework to 1D chain triggered by conformational change of the spacer. <i>CrystEngComm</i> , <b>2012</b> , 14, 684-690	3.3	33
597	Hydrophobic-exterior layer structures and magnetic properties of trinuclear copper complexes with chiral amino alcoholate ligands. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 1596	3.6	37
596	Chiral Porous Metal-Organic Frameworks of Co(II) and Ni(II): Synthesis, Structure, Magnetic Properties, and CO2 Uptake. <b>2012</b> , 12, 975-981		125
595	Degradation of methylene blue by catalytic and photo-catalytic processes catalyzed by the organotin-polymer 3[[Me3Sn]4Fe(CN)6]. <b>2012</b> , 126, 326-333		69
594	Synthesis, characterization and thermal decomposition kinetics as well as evaluation of luminescent properties of several 3D lanthanide coordination polymers as selective luminescent probes of metal ions. <b>2012</b> , 162, 1775-1788		9
593	Amino-functionalized basic catalysts with MIL-101 structure. <b>2012</b> , 164, 38-43		176
592	Insight into the Correlation between Net Topology and Ligand Coordination Mode in New Lanthanide MOFs Heterogeneous Catalysts: A Theoretical and Experimental Approach. <b>2012</b> , 12, 5535-5545		41
591	A New Series of CuII Coordination Polymers Derived from Bis-pyridyl-bis-urea Ligands and Various Dicarboxylates and Their Role in Methanolysis of Epoxide Ring-Opening Catalysis. <b>2012</b> , 12, 5546-5554		13
590	Gas sorption and luminescence properties of a terbium(III)-phosphine oxide coordination material with two-dimensional pore topology. <i>Dalton Transactions</i> , <b>2012</b> , 41, 8003-9	4.3	36
589	Post-synthesis functionalization of MIL-101 using diethylenetriamine: a study on adsorption and catalysis. <i>CrystEngComm</i> , <b>2012</b> , 14, 4142	3.3	83
588	Factors Affecting the Conformational Modulation of Flexible Ligands in the Self-Assembly Process of Coordination Polymers: Synthesis, Structural Characterization, Magnetic Properties, and Theoretical Studies of [Co(pda)(bix)]n, [Ni(pda)(bix)(H2O)]n, [Cu(pda)(bix)2(H2O)2]n·nH2O, [Co2(POH)(pda)(bix)]n·nH2O, [Co(hfiobb)(bix)0.5]n, and [Co(2,6-pydo)(bix)1.5]n·nH2O. <b>2012</b> , 12, 777-792		73
587	Amine-functional polysiloxanes (AFPs) as efficient polymeric organocatalyst for amino catalysis: efficient multicomponent Gewald reaction, allylic alkylation of aldehydes, and Knoevenagel condensation. <i>RSC Advances</i> , <b>2012</b> , 2, 2895	3.7	12

586	Influence of Solvents in Assembling Tris(4-halophenyl)benzene-1,3,5-tricarboxamides: Interplay of N <sup>H</sup> ⋯O and Halogen⋯Halogen Interactions. <b>2012</b> , 12, 5773-5782		18
585	Synthesis and photophysical properties of a supramolecular host-guest assembly constructed by fullerenes and tryptamine modified hypocrellin. <b>2012</b> , 116, 2048-58		8
584	Synthesis, structures, and properties of alkali and alkaline earth coordination polymers based on V-shaped ligand. <i>CrystEngComm</i> , <b>2012</b> , 14, 6812	3.3	28
583	Bifunctional Metal Organic Framework Catalysts for Multistep Reactions: MOF-Cu(BTC)-[Pd] Catalyst for One-Pot Heteroannulation of Acetylenic Compounds. <b>2012</b> , 354, 1347-1355		88
582	Metal-organic frameworks for separations. <i>Chemical Reviews</i> , <b>2012</b> , 112, 869-932	68.1	5033
581	Crystal morphology-directed framework orientation in porous coordination polymer films and freestanding membranes via Langmuir-Blodgett. <b>2012</b> , 22, 10159		65
580	MOFs as multifunctional catalysts: one-pot synthesis of menthol from citronellal over a bifunctional MIL-101 catalyst. <i>Dalton Transactions</i> , <b>2012</b> , 41, 4249-54	4.3	115
579	Ligand design for functional metal-organic frameworks. <b>2012</b> , 41, 1088-110		659
578	Two ligand-functionalized Pb(II) metal-organic frameworks: structures and catalytic performances. <i>Dalton Transactions</i> , <b>2012</b> , 41, 10422-9	4.3	74
577	Promotion of low-humidity proton conduction by controlling hydrophilicity in layered metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 5472-5	16.4	259
576	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
575	Titration of Zr <sub>3</sub> (OH) Hydroxy Groups at the Cornerstones of Bulk MOF UiO-67, [Zr <sub>6</sub> O <sub>4</sub> (OH) <sub>4</sub> (biphenyldicarboxylate) <sub>6</sub> ], and Their Reaction with [AuMe(PMe <sub>3</sub> )]. <b>2012</b> , 2012, 3014-3022		54
574	Commensurate adsorption of hydrocarbons and alcohols in microporous metal organic frameworks. <i>Chemical Reviews</i> , <b>2012</b> , 112, 836-68	68.1	929
573	Hydrogen Selective NH <sub>2</sub> -MIL-53(Al) MOF Membranes with High Permeability. <b>2012</b> , 22, 3583-3590		201
572	Design of Flexible Lewis Acidic Sites in Porous Coordination Polymers by using the Viologen Moiety. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 8494-8497	3.6	20
571	Design of flexible Lewis acidic sites in porous coordination polymers by using the viologen moiety. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 8369-72	16.4	67
570	Low-Temperature CO Oxidation over Cu-Based Metal-Organic Frameworks Monitored by using FTIR Spectroscopy. <i>ChemCatChem</i> , <b>2012</b> , 4, 755-759	5.2	35
569	A robust porous metal-organic framework with a new topology that demonstrates pronounced porosity and high-efficiency sorption/selectivity properties of small molecules. <b>2012</b> , 18, 5715-23		43

568	Direct crystallographic observation of catalytic reactions inside the pores of a flexible coordination polymer. <b>2012</b> , 18, 6866-72		100
567	Porous metalloporphyrinic frameworks constructed from metal 5,10,15,20-tetrakis(3,5-biscarboxylphenyl)porphyrin for highly efficient and selective catalytic oxidation of alkylbenzenes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10638-45	16.4	244
566	Homochiral metal-organic frameworks for asymmetric heterogeneous catalysis. <i>Chemical Reviews</i> , <b>2012</b> , 112, 1196-231	68.1	2556
565	A mixed-valence lanthanide metal-organic framework, templated by 2,2'-bipyridine formed in situ reaction: synthesis, structure, and luminescent properties. <i>CrystEngComm</i> , <b>2012</b> , 14, 5285	3.3	11
564	Benzene-1,3,5-tricarboxamide: a versatile ordering moiety for supramolecular chemistry. <b>2012</b> , 41, 6125-37		288
563	Fluorescence Properties Change of Lanthanide Coordination Polymers Dispersed in Mesoporous SBA-15 by Energy Transition Process. <b>2012</b> , 22, 744-755		9
562	Metal-organic frameworks constructed from three kinds of new Fe-containing secondary building units. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 384, 219-224	2.7	25
561	Water adsorption-desorption property of stable porous supramolecular assembly composed of discrete tetranuclear iron(III) complex using $\pi$ - $\pi$ interactions. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 386, 122-128	2.7	5
560	A templated lanthanide metal-organic framework: synthesis, structure, and luminescence of (bpy) [Eu (ip)1.5(H <sub>2</sub> O) <sub>4</sub> ] (bpy = 4,4'-bipyridine, ip = isophthalate). <b>2012</b> , 15, 159-162		11
559	A multifunctional three-dimensional uninodal eight-connected metal-organic framework based on pentanuclear cadmium subunits: New topology, fluorescent and NLO properties. <b>2012</b> , 15, 202-207		26
558	Nickel nanoparticles supported on MOF-5: Synthesis and catalytic hydrogenation properties. <b>2012</b> , 15, 261-265		43
557	A non-interpenetrating 3D porous metal-organic framework (MOF) holding rutile-type topology containing Cu <sub>4</sub> secondary building units. <b>2012</b> , 16, 43-46		3
556	An unusual self-penetrated metal-organic framework from mixed ligands: Synthesis, structure and magnetism. <b>2012</b> , 19, 27-30		25
555	Adsorption of aromatic compounds on porous covalent triazine-based framework. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 372, 99-107	9.3	71
554	Structure diversity of a series of new coordination polymers based on a C <sub>3</sub> -symmetric tridentate ligand with rosette architecture. <i>Polyhedron</i> , <b>2012</b> , 33, 127-136	2.7	16
553	Tuning structural topology of zinc(II)-benzoate coordination complexes with 1,2-bis(4-pyridyl)ethene by controlling metal-to-ligand ratios and solvent systems: Their photoluminescence and catalytic activities. <i>Polyhedron</i> , <b>2012</b> , 33, 194-202	2.7	24
552	Two [Cu <sub>2</sub> I <sub>2</sub> ]-based coordination polymers of 1,3-bis(pyridin-4-yl)propane. <b>2012</b> , 68, m181-4		2
551	3D Silver(I) Diglycolate Coordination Polymer with Short Ag $\cdots$ Ag Bond. <b>2012</b> , 22, 244-252		7

550	Coordination Polymers Containing M2L2 and M4L4 Metallacycles of Bis(pyridylcarboxamido)alkanes with an Odd Number of (CH2)n Groups as Spacers: Guest Inclusion and Networks Recognition via Sheet. <b>2013</b> , 13, 4100-4109		22
549	One-Pot Multifunctional Catalysis with NNN-Pincer Zr-MOF: Zr Base Catalyzed Condensation with Rh-Catalyzed Hydrogenation. <i>ChemCatChem</i> , <b>2013</b> , 5, 3092-3100	5.2	50
548	Heterogenization of homogeneous catalysts in metal-organic frameworks via cation exchange. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10586-9	16.4	240
547	Catalytic transesterification reactions of one-dimensional coordination polymers containing paddle-wheel-type units connected by various bridging ligands. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 402, 39-45	2.7	8
546	Controlled synthesis of Au-loaded Fe3O4@C composite microspheres with superior SERS detection and catalytic degradation abilities for organic dyes. <i>Dalton Transactions</i> , <b>2013</b> , 42, 8597-605	4.3	97
545	Inorganic Capsules: Redox-Active Guests in Metal Cages. <b>2013</b> , 331-345		
544	Highly dispersed Pt in MIL-101: An efficient catalyst for the hydrogenation of nitroarenes. <b>2013</b> , 41, 56-59		48
543	Chiral, Racemic, and Meso-Lithium Tartrate Framework Polymorphs: A Detailed Structural Analysis. <b>2013</b> , 13, 3705-3715		23
542	Metal-organic frameworks as a tunable platform for designing functional molecular materials. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 13222-34	16.4	693
541	Metal organic frameworks as heterogeneous catalysts for the production of fine chemicals. <b>2013</b> , 3, 2509		245
540	Hierarchical Zeolitic Imidazolate Framework-8 Catalyst for Monoglyceride Synthesis. <i>ChemCatChem</i> , <b>2013</b> , 5, 3562-3566	5.2	69
539	Metal-Organic Frameworks. <b>2013</b> , 45-71		
538	Soft Porous Coordination Polymers. <b>2013</b> , 73-102		1
537	Coordination polymers based on 3,3',4,4'-benzophenone-tetracarboxylate and N-containing pillars: syntheses, structure, characterization and properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 7505	3.3	12
536	Electrochemical performance of graphene and copper oxide composites synthesized from a metal-organic framework (Cu-MOF). <i>RSC Advances</i> , <b>2013</b> , 3, 19051	3.7	39
535	A functionalized MIL-101(Cr) metal-organic framework for enhanced hydrogen release from ammonia borane at low temperature. <i>Chemical Communications</i> , <b>2013</b> , 49, 10629-31	5.8	40
534	A supramolecular self-assembled flexible open framework based on the coordination of honeycomb layers possessing octahedral and tetrahedral Coll geometries. <i>RSC Advances</i> , <b>2013</b> , 3, 19889	3.7	2
533	Cooperative effect of unsheltered amide groups on CO2 adsorption inside open-ended channels of a zinc(II)-organic framework. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 3962-8	5.1	71

532	The chemistry and applications of metal-organic frameworks. <b>2013</b> , 341, 1230444		9059
531	3D energetic metal-organic frameworks: synthesis and properties of high energy materials. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 14031-5	16.4	246
530	Application of an amino-functionalised metal-organic framework: an approach to a one-pot acid-base reaction. <i>RSC Advances</i> , <b>2013</b> , 3, 21582	3.7	55
529	Metal-organic frameworks (MOFs) based on mixed linker systems: structural diversities towards functional materials. <i>CrystEngComm</i> , <b>2013</b> , 15, 9276	3.3	97
528	Aromatizing olefin metathesis by ligand isolation inside a metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 14916-9	16.4	58
527	Application of Metal-Organic Frameworks in Fine Chemical Synthesis. <b>2013</b> , 293-331		2
526	Bifunctional Co(II)/Ag(I) and Ni(II)/Ag(I) Frameworks: Modulation of Magnetic Property and CO <sub>2</sub> Uptake Based on Organic Pillars. <b>2013</b> , 13, 4968-4976		12
525	Controllable syntheses of porous metal-organic frameworks: encapsulation of Ln(III) cations for tunable luminescence and small drug molecules for efficient delivery. <b>2013</b> , 19, 14591-9		122
524	Synthesis, topology and energy analysis of crystalline resorcinol-based oligophenylene molecules with various symmetries. <i>CrystEngComm</i> , <b>2013</b> , 15, 6845	3.3	5
523	LDH nanocages synthesized with MOF templates and their high performance as supercapacitors. <b>2013</b> , 5, 11770-5		428
522	Assembly of Ag(I) coordination polymers from a tripyridyl-ester ligand: effects of counter anion, ligand conformation and interaction on non-interpenetrating 2D-3D dimension increase. <i>CrystEngComm</i> , <b>2013</b> , 15, 9751	3.3	7
521	One-dimensional channel-structured Eu-MOF for sensing small organic molecules and Cu <sup>2+</sup> ion. <b>2013</b> , 1, 11043		304
520	Luminescent Properties and Applications of Metal-Organic Frameworks. <i>Structure and Bonding</i> , <b>2013</b> , 27-88	0.9	16
519	Guest responsivity of a two-dimensional coordination polymer incorporating a cholesterol-based co-ligand. <i>Dalton Transactions</i> , <b>2013</b> , 42, 15893-7	4.3	4
518	Ancillary ligand-assisted structural diversity of six new MOFs with 5-(4-carboxybenzoylamino)-isophthalic acid: syntheses, crystal structures and photoluminescence properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 7522	3.3	13
517	Multifunctional NH <sub>2</sub> -mediated zirconium metal-organic framework as an efficient visible-light-driven photocatalyst for selective oxidation of alcohols and reduction of aqueous Cr(VI). <i>Dalton Transactions</i> , <b>2013</b> , 42, 13649-57	4.3	299
516	Influence of biphenyl spacer appended to the flexible phosphonate arms in modulating the dimensionality of the coordination polymers: Synthesis, structural chemistry and magnetic properties. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 197, 499-507	3.3	8
515	Syntheses, structures and photoelectric properties of a series of Cd(II)/Zn(II) coordination polymers and coordination supramolecules. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 197, 92-102	3.3	10

514	Bifunctional iridium-(2-aminoterephthalate)Zr-MOF chemoselective catalyst for the synthesis of secondary amines by one-pot three-step cascade reaction. <i>Journal of Catalysis</i> , <b>2013</b> , 299, 137-145	7.3	136
513	Four 3D Cd(II)-Based Metal Organic Hybrids with Different N,N'-Donor Spacers: Syntheses, Characterizations, and Selective Gas Adsorption Properties. <b>2013</b> , 13, 731-739		51
512	Modulating the structures of copper(I) cyanide coordination polymers by rigid bis(imidazole) ligands and solvents: An experimental and theoretical study. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1036, 235-243	3.4	21
511	Three cobalt(II) coordination polymers based on V-shaped aromatic polycarboxylates and rigid bis(imidazole) ligand: syntheses, crystal structures, physical properties and theoretical studies. <i>CrystEngComm</i> , <b>2013</b> , 15, 1377	3.3	46
510	Thermal response, catalytic activity, and color change of the first hybrid vanadate containing Bpe guest molecules. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 2615-26	5.1	36
509	Cadmium(II) and zinc(II) coordination polymers built with an ethynyl backbone containing an unsymmetrical amide ligand: Syntheses, crystal structures, and photoluminescent properties. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 405, 77-82	2.7	14
508	Supramolecular assembly of a series of new coordination polymers based on 4,4'-(carbonylimino)dibenzoic acid: Syntheses, structures and photoluminescence investigation. <i>Polyhedron</i> , <b>2013</b> , 55, 249-258	2.7	2
507	Solvent exchange and discrimination in crystalline state. Formation and properties of copper(II) complexes containing 2,3-bis(isonicotinoyloxy)naphthalene. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1047, 95-101	3.4	3
506	Spacer length effect on the formation of different zinc coordination polymers of 1,4-benzenedicarboxylate and flexible bipyrazolyl ligands. <b>2013</b> , 29, 70-75		14
505	Length tunable porphyrinoid porous coordination polymer rods and their heterogeneous catalytic study on olefin oxidation. <b>2013</b> , 31, 29-32		3
504	A microporous metal-organic framework with butynylene functionality for selective gas sorption. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 204, 53-58	3.3	6
503	A 3-D lanthanide-organic framework based on in situ formed benzene-1,2,3,4-tetracarboxylate ligand. <b>2013</b> , 33, 25-28		10
502	Topological evolution and photoluminescent properties of a series of divalent zinc-based metal-organic frameworks tuned via ancillary ligating spacers. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 200, 265-270	3.3	17
501	Spacer length-directed construction of two-dimensional [MoS <sub>3</sub> Cu <sub>3</sub> ]-based coordination polymers from a precursor cluster [PPh <sub>4</sub> ][Cp*MoS <sub>3</sub> (CuNCS) <sub>3</sub> ] (Cp* = $\eta$ -C <sub>5</sub> Me <sub>5</sub> ) and 4-pyridyl-based ditopic ligands. <i>Polyhedron</i> , <b>2013</b> , 52, 1457-1464	2.7	5
500	Coordination pillared layers using a dinuclear Mn(V) complex as a secondary building unit. <i>Polyhedron</i> , <b>2013</b> , 52, 591-597	2.7	14
499	Metal-organic frameworks and self-assembled supramolecular coordination complexes: comparing and contrasting the design, synthesis, and functionality of metal-organic materials. <i>Chemical Reviews</i> , <b>2013</b> , 113, 734-77	68.1	2304
498	Four cadmium(II) coordination polymers with an N- and O-donor ligand: Structural characterization, in situ reaction and fluorescent property. <i>Polyhedron</i> , <b>2013</b> , 53, 113-121	2.7	11
497	Manganese-based layered coordination polymer: synthesis, structural characterization, magnetic property, and electrochemical performance in lithium-ion batteries. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 2817-22	5.1	161

496	Transformation of a Mother Crystal to a Daughter Crystal through Amorphous Phase: De-assembly of Coordination Helices upon Heating and Re-assembly through Aquation. <b>2013</b> , 13, 2135-2142		15
495	Two-/three-dimensional open lanthanide organic frameworks containing rigid/flexible dicarboxylate ligands: synthesis, crystal structure and photoluminescent properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 1931	3.3	77
494	Modulation of the Interlayer Structures and Magnetic Behavior of 2D Spin-Crossover Coordination Polymers [FeII(L)2PtII(CN)4]. <b>2013</b> , 2013, 738-744		31
493	Formation of a metalloporphyrin-based nanoreactor by postsynthetic metal-ion exchange of a polyhedral-cage containing a metal-metalloporphyrin framework. <b>2013</b> , 19, 3297-301		75
492	Structure-Directing Self-Assembly, Structures and Characterization of Four d0-Transition Metal Oxide/Fluoride Compounds Constructed with Imidazole/1-Methylimidazole/1-Vinylimidazole and Copper(II)/Zinc(II). <b>2013</b> , 13, 446-454		13
491	Metal Organic Frameworks as Solid Catalysts in Condensation Reactions of Carbonyl Groups. <b>2013</b> , 355, n/a-n/a		24
490	Characterization, adsorption properties, metal ion-exchange and crystal-to-crystal transformation of Cd3[(Cd4Cl)3(BTT)8(H2O)12]2 framework, where BTT3- 1,3,5-benzenetristetrazolate. <i>CrystEngComm</i> , <b>2013</b> , 15, 3377	3.3	30
489	Expanded halogen-bonded anion organic networks with star-shaped iodoethynyl-substituted molecules: from corrugated 2D hexagonal lattices to pyrite-type 2-fold interpenetrated cubic lattices. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6200-10	16.4	71
488	Polyrotaxane frameworks containing N,N',N''-(4,4',4''-nitriilotris(4,1-phenylene))triisonicotinamide: structural and luminescent properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 5337	3.3	4
487	Comparison of Cu-ZSM-5 zeolites and Cu-MOF-505 metal-organic frameworks as heterogeneous catalysts for the Mukaiyama aldol reaction: a DFT mechanistic study. <b>2013</b> , 14, 923-8		24
486	Deactivation Pathways of the Catalytic Activity of Metal Organic Frameworks in Condensation Reactions. <i>ChemCatChem</i> , <b>2013</b> , 5, 1553-1561	5.2	42
485	Syntheses, structures and physical properties of two zinc(II) coordination polymers with 1,3,5-tris(imidazol-1-ylmethyl)-2,4,6-trimethylbenzene and 1,3,5-benzenetricarboxylate. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 406, 223-229	2.7	11
484	Development of hydrogen-selective CAU-1 MOF membranes for hydrogen purification by dual-metal-source approach. <b>2013</b> , 38, 5338-5347		55
483	A new three-dimensional metal-organic framework constructed from 9,10-anthracene dibenzoate and Cd(II) as a highly active heterogeneous catalyst for oxidation of alkylbenzenes. <i>Dalton Transactions</i> , <b>2013</b> , 42, 484-91	4.3	33
482	Towards acid MOFs catalytic performance of sulfonic acid functionalized architectures. <b>2013</b> , 3, 2311		129
481	CHAPTER 7:Strategies for Creating Active Sites in MOFs. 237-267		2
480	CHAPTER 9:Catalysis at the Organic Ligands. 289-309		7
479	Sulfonic acid-functionalized MIL-101 as a highly recyclable catalyst for esterification. <b>2013</b> , 3, 2044		81



478	Fabrication of a PVC membrane samarium(III) sensor based on N,N',N"-tris(4-pyridyl)trimesic amide as a selectophore. <b>2013</b> , 33, 870-4		12
477	Syntheses, structures, and properties of multidimensional lithium coordination polymers based on aliphatic carboxylic acids. <i>Dalton Transactions</i> , <b>2013</b> , 42, 2765-72	4.3	17
476	Co(II) and Cd(II) Complexes Based on 5-[(2-Methyl-1H-imidazol-1-yl)methyl]isophthalate: Syntheses, Characterization and Properties. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2013</b> , 68, 1000-1006	1	
475	Cu(II) and Zn(II) Complexes with an N- and O-Donor Ligand: Structural Characterization, Jahn-Teller Effect and Fluorescence. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2013</b> , 68, 147-154	1	3
474	Sonochemical Syntheses of a One-Dimensional Mg(II) Metal-Organic Framework: A New Precursor for Preparation of MgO One-Dimensional Nanostructure. <b>2013</b> , 2013, 1-7		12
473	Self-Assembly of Four Helical Metal-Organic Frameworks Based on 3-[4-(Carboxymethoxy)phenyl]propanoic Acid Ligands: Syntheses, Crystal Structures, and Properties. <b>2013</b> , 2013, 4336-4344		13
472	Simultaneous presence of both open metal sites and free functional organic sites in a noncentrosymmetric dynamic metal-organic framework with bimodal catalytic and sensing activities. <b>2013</b> , 19, 16607-14		44
471	The synthesis, characterization, and theoretical hydrogen gas adsorption properties of copper(II)-3,3'-thiodipropionate complexes with imidazole derivatives. <i>Journal of Coordination Chemistry</i> , <b>2013</b> , 66, 4093-4106	1.6	6
470	Nanoporous Metal-Organic Frameworks. <b>2013</b> , 71-98		1
469	Synthesis and Structural Characterisation of New Bifunctional o-Hydroxyacetophenones [Potential Linker Molecules for Coordinative Framework Construction. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2013</b> , 68, 214-222	1	2
468	Syntheses, Structural Characterization and Fluorescence of Zn(II) and Cd(II) Polymers from 5-(Pyridin-2-ylmethylamino)isophthalic acid. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2013</b> , 68, 1007-1014	1	4
467	3D Energetic Metal-Organic Frameworks: Synthesis and Properties of High Energy Materials. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 14281-14285	3.6	40
466	Synthesis and crystal structure of N-6-[(4-pyridylamino)carbonyl]-pyridine-2-carboxylic acid methyl ester zinc complex. <b>2014</b> , 1, 32-37		4
465	Metal-Organic Frameworks: Adsorption of Hydrocarbons and Alcohols. <b>2014</b> , 1-21		1
464	3-Hydroxynaphthalene-2-carboxylic acid supported grid-like structure of cadmium chloride coordination polymer with 1,3-bis(4-pyridyl)propane. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1076, 614-619 <sup>3-4</sup>		6
463	Three-Dimensional Porous NbO-Type Anionic Framework: Synthesis, Structure, Magnetic and Adsorption Properties. <b>2014</b> , 640, 1437-1442		2
462	Polyamide-Imide Binder with Higher Adhesive Property and Thermal Stability as Positive Electrode of 4V-Class Lithium-Ion Batteries. <b>2014</b> , 161, A955-A960		13
461	Selective gas sorption and electrochemical properties of a dicyanamide coordination polymer: Insight from experimental and theoretical study. <i>Polyhedron</i> , <b>2014</b> , 69, 84-89	2.7	9

460	An unprecedented (3, 4)-connected self-penetrating metal-organic framework. <b>2014</b> , 39, 90-93		4
459	The organotin coordination polymer [(n-Bu <sub>3</sub> Sn) <sub>4</sub> Fe(CN) <sub>6</sub> H <sub>2</sub> O] as effective catalyst towards the oxidative degradation of methylene blue. <b>2014</b> , 117, 54-60		18
458	Side-chain control of porosity closure in single- and multiple-peptide-based porous materials by cooperative folding. <b>2014</b> , 6, 343-51		88
457	Preparation of acid-base bifunctional mesoporous KIT-6 (KIT: Korea Advanced Institute of Science and Technology) and its catalytic performance in Knoevenagel reaction. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 213, 250-255	3.3	22
456	A novel nickel metal-organic framework with fluorite-like structure: gas adsorption properties and catalytic activity in Knoevenagel condensation. <i>Dalton Transactions</i> , <b>2014</b> , 43, 3730-8	4.3	66
455	Core-shell palladium nanoparticle@metal-organic frameworks as multifunctional catalysts for cascade reactions. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1738-41	16.4	557
454	Lanthanide metal-organic frameworks for luminescent sensing and light-emitting applications. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 273-274, 76-86	23.2	800
453	Halogen effects on photoluminescence and catalytic properties: a series of spatially arranged trimetallic zinc(II) complexes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 3842-9	4.3	13
452	Effect of catalyst concentration and reaction time on one-step synthesized hypercrosslinked polyethylene. <b>2014</b> , 22, 481-486		6
451	Interpenetrated Metal-Organic Frameworks with [Ag(CN) <sub>2</sub> ] <sup>-</sup> Bridging Ligand: Synthesis, Structural Characterization and Magnetic Study. <b>2014</b> , 84, 243-249		
450	3D microporous base-functionalized covalent organic frameworks for size-selective catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2878-82	16.4	445
449	Exploration of Structural Topologies in Metal-Organic Frameworks Based on 3-(4-Carboxyphenyl)propionic Acid, Their Synthesis, Sorption, and Luminescent Property Studies. <b>2014</b> , 14, 2022-2033		43
448	Effects of linker substitution on catalytic properties of porous zirconium terephthalate UiO-66 in acetalization of benzaldehyde with methanol. <b>2014</b> , 471, 91-97		84
447	Metal-organic calixarene capsules: the evolution of controlled assembly. <i>CrystEngComm</i> , <b>2014</b> , 16, 3655	3.3	32
446	Metal-organic frameworks based on flexible ligands (FL-MOFs): structures and applications. <b>2014</b> , 43, 5867-95		638
445	Amino-functionalized Zr(IV) metal-organic framework as bifunctional acid-base catalyst for Knoevenagel condensation. <b>2014</b> , 390, 198-205		125
444	A new 3D Co(II)-organic framework with acylamide-containing tetracarboxylate ligand: Solvothermal synthesis, crystal structure, gas adsorption and magnetic property. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 212, 141-146	3.3	3
443	Lanthanide-organic frameworks for gas storage and as magneto-luminescent materials. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 273-274, 139-164	23.2	214

442	Click chemistry: post-synthetic modification of metal-organic frameworks for asymmetric aldol catalysis. <b>2014</b> , 39, 83-85		27
441	Two Series of Solvent-Dependent Lanthanide Coordination Polymers Demonstrating Tunable Luminescence and Catalysis Properties. <b>2014</b> , 14, 3002-3009		91
440	Postsynthetic modification of IRMOF-3 with a copper iminopyridine complex as heterogeneous catalyst for the synthesis of 2-aminobenzothiazoles. <b>2014</b> , 28, 198-203		19
439	Metal Organic Framework Catalysis: Quo vadis?. <b>2014</b> , 4, 361-378		756
438	Topological analysis of metal-organic frameworks with polytopic linkers and/or multiple building units and the minimal transitivity principle. <i>Chemical Reviews</i> , <b>2014</b> , 114, 1343-70	68.1	894
437	A europium(III) based metal-organic framework: bifunctional properties related to sensing and electronic conductivity. <b>2014</b> , 2, 237-244		131
436	Two luminescent metal-organic frameworks for the sensing of nitroaromatic explosives and DNA strands. <b>2014</b> , 2, 2213-2220		227
435	Design and synthesis of hydroxide ion-conductive metal-organic frameworks based on salt inclusion. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1702-5	16.4	101
434	Fabrication of highly uniform gel coatings by the conversion of surface-anchored metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8-11	16.4	102
433	Selective catalytic behavior of a phosphine-tagged metal-organic framework organocatalyst. <b>2014</b> , 20, 15467-72		16
432	Charge-transfer metal-organic frameworks based on CuCN architecture units: crystal structures, luminescence properties and theoretical investigations. <i>RSC Advances</i> , <b>2014</b> , 4, 61200-61209	3.7	7
431	General incorporation of diverse components inside metal-organic framework thin films at room temperature. <b>2014</b> , 5, 5532		139
430	Coordination polymers derived from pyridyl carboxylate ligands having an amide backbone: an attempt towards the selective separation of CuII cation following in situ crystallization under competitive conditions. <i>CrystEngComm</i> , <b>2014</b> , 16, 7815-7829	3.3	6
429	Porous macromolecular dihydropyridyl frameworks exhibiting catalytic and halochromic activity. <b>2014</b> , 2, 19889-19896		3
428	An amino group functionalized metal-organic framework as a luminescent probe for highly selective sensing of Fe <sup>3+</sup> ions. <b>2014</b> , 2, 7662		280
427	The diversity of Zn(II) coordination networks composed of multi-interactive ligand TPHAP via weak intermolecular interaction. <i>CrystEngComm</i> , <b>2014</b> , 16, 6335-6344	3.3	12
426	Post-modified anionic nano-porous metal-organic framework as a novel catalyst for solvent-free Michael addition reactions. <i>RSC Advances</i> , <b>2014</b> , 4, 37036	3.7	11
425	Construction of 2D interwoven and 3D interpenetrated metal-organic frameworks of Zn(II) by varying N,N'-donor spacers. <i>CrystEngComm</i> , <b>2014</b> , 16, 4805-4815	3.3	43

424	Coordination polymers based on a glycine-derivative ligand. <i>CrystEngComm</i> , <b>2014</b> , 16, 8119-8137	3.3	5
423	A robust porous pillar-chained Cd-framework with selective sorption for CO <sub>2</sub> and guest-driven tunable luminescence. <i>CrystEngComm</i> , <b>2014</b> , 16, 3848	3.3	17
422	Structural library of coordination polymers based on flexible linkers exploiting the role of linker coordination angle: synthesis, structural characterization and magnetic properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 4816-4833	3.3	27
421	3D Microporous Base-Functionalized Covalent Organic Frameworks for Size-Selective Catalysis. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 2922-2926	3.6	90
420	Two porous Co(II) bithiophenedicarboxylate metal-organic frameworks: from a self-interpenetrating framework to a two-fold interpenetrating $\beta$ po topological network. <i>RSC Advances</i> , <b>2014</b> , 4, 5740	3.7	8
419	Two 3D metal-organic frameworks of Cd(II): modulation of structures and porous properties based on linker functionalities. <i>CrystEngComm</i> , <b>2014</b> , 16, 4877-4885	3.3	16
418	Coordination polymers for catalysis: enhancement of catalytic activity through hierarchical structuring. <i>Chemical Communications</i> , <b>2014</b> , 50, 8543-6	5.8	42
417	Effects of substituent groups on the structures and luminescence properties of 2D/3D CdII complexes with mixed rigid and flexible carboxylate ligands. <i>RSC Advances</i> , <b>2014</b> , 4, 24183-24188	3.7	18
416	Two Mg(II) coordination polymers based on the flexible carboxylic ligands: Synthesis, crystal structures, luminescent and adsorption properties. <b>2014</b> , 49, 131-135		6
415	Pillared Metal-Organic Frameworks Based on 63 Layers: Structure Modulation and Sorption Properties. <b>2014</b> , 14, 5189-5195		25
414	Design of Superhydrophobic Porous Coordination Polymers through the Introduction of External Surface Corrugation by the Use of an Aromatic Hydrocarbon Building Unit. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 8364-8369	3.6	32
413	Two new coordination polymers constructed by 1,4-bis(2-methylimidazol-3-ium-1-yl)biphenyl and dicarboxylate ligands: from a twofold interpenetrated pcu topological net to a 2-D+2-D-B-D polycatenated framework. <i>Journal of Coordination Chemistry</i> , <b>2014</b> , 67, 2983-2993	1.6	1
412	Mechanosynthesis of new azine-functionalized Zn(II) metal-organic frameworks for improved catalytic performance. <b>2014</b> , 2, 16863-16866		99
411	Ln-MOF Pseudo-Merohedral Twinned Crystalline Family as Solvent-Free Heterogeneous Catalysts. <b>2014</b> , 14, 2516-2521		24
410	Two-level hierarchical entangled framework in a novel copper(I) coordination polymer with multiform helical features and unprecedented self-penetrated subnet. <i>Inorganica Chimica Acta</i> , <b>2014</b> , 423, 133-138	2.7	6
409	Synthesis, characterization, photoluminescent properties and supramolecular aggregations in diimine chelated cadmium dihalides. <i>Journal of Coordination Chemistry</i> , <b>2014</b> , 67, 96-119	1.6	14
408	An Unprecedented 5-Connected Self-penetrated Cadmium(II) Coordination Polymer: Synthesis, Crystal Structure, and Luminescent Property. <b>2014</b> , 640, 1374-1377		4
407	Reversible Solid-State Transformation in $\{Ni_2(H_2O)_2(Bpa)_2\}(V_6O_{17})$ Proved by Synchrotron Radiation: Color and Magnetic Properties Change. <b>2014</b> , 14, 658-670		11

406	Design of superhydrophobic porous coordination polymers through the introduction of external surface corrugation by the use of an aromatic hydrocarbon building unit. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 8225-30	16.4	96
405	Flexible and rigid amine-functionalized microporous frameworks based on different secondary building units: supramolecular isomerism, selective CO <sub>2</sub> capture, and catalysis. <b>2014</b> , 20, 4347-56		105
404	Synthesis, Structure, and Thermal Stability of Silver(I) Coordination Polymers with Bis(pyridyl) Ligands Linked by an Aromatic Sulfonamide: One-Dimensional-Straight Chain, One-Dimensional-Columnar with Helical Components, and Two-Dimensional-Layer Network Structures. <b>2014</b> , 14, 199-206		18
403	Cerium-based M4L4 tetrahedra as molecular flasks for selective reaction prompting and luminescent reaction tracing. <b>2014</b> , 20, 2224-31		63
402	Amino-decorated lanthanide(III) organic extended frameworks for multi-color luminescence and fluorescence sensing. <b>2014</b> , 2, 6758-6764		153
401	Zn(II)-benzotriazolate clusters based amide functionalized porous coordination polymers with high CO <sub>2</sub> adsorption selectivity. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 8842-4	5.1	57
400	Flexible coordination polymers composed of luminescent ruthenium(II) metalloligands: importance of the position of the coordination site in metalloligands. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 2910-21	5.1	30
399	Post-synthetic cation exchange in anionic metal-organic frameworks; a novel strategy for increasing the catalytic activity in solvent-free condensation reactions. <i>RSC Advances</i> , <b>2014</b> , 4, 41825-41830	3.7	12
398	Specific oriented metal-organic framework membranes and their facet-tuned separation performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 15676-85	9.5	37
397	Syntheses, X-ray structures, catalytic activity and magnetic properties of two new coordination polymers of Co(II) and Ni(II) based on benzenedicarboxylate and linear N,N'-donor Schiff base linkers. <i>Inorganic Chemistry Frontiers</i> , <b>2014</b> , 1, 414-425	6.8	34
396	Applications of metal-organic frameworks in heterogeneous supramolecular catalysis. <b>2014</b> , 43, 6011-61		2182
395	Cerium-based M4L4 tetrahedrons containing hydrogen bond groups as functional molecular flasks for selective reaction prompting. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 3137-3145	3.6	18
394	Amide functionalized microporous organic polymer (Am-MOP) for selective CO <sub>2</sub> sorption and catalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4630-7	9.5	106
393	Tuning Regioisomer Reactivity in Catalysis using Bifunctional Metal-Organic Frameworks with Mixed Linkers. <i>ChemCatChem</i> , <b>2014</b> , 6, 1887-1891	5.2	16
392	An acylamide metal-organic framework with an unprecedented four-connecting trinodal topology and amide oxygen coordination. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2014</b> , 70, 732-7	0.8	
391	Targeted structure modulation of "pillar-layered" metal-organic frameworks for CO <sub>2</sub> capture. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 8985-90	5.1	76
390	Structures, Magnetic Properties, and Photoluminescence of Dicarboxylate Coordination Polymers of Mn, Co, Ni, Cu Having N-(4-Pyridylmethyl)-1,8-naphthalimide. <b>2014</b> , 14, 4735-4748		48
389	Molecular Assembly and Ferroelectric Response of Benzenecarboxamides Bearing Multiple πONHC14H <sub>29</sub> Chains. <b>2014</b> , 118, 21204-21214		46

388	A dynamic metal-organic supramolecular host based on weak $\pi$ -stacking interactions incorporating 2D water-chloride-methanolic supramolecular sheet. <i>Inorganica Chimica Acta</i> , <b>2014</b> , 423, 123-132	2.7	4
387	Synthesis, structure, and photoluminescent property of a trinuclear Cd(II) complex based on semi-rigid bis(imidazole-4,5-dicarboxylate) ligand. <b>2014</b> , 42, 15-19		8
386	A series of 3D isomorphous lanthanide coordination polymers based on flexible dicarboxylate ligand: Synthesis, structure, characterization, and properties. <b>2014</b> , 105, 180-191		13
385	One-step synthesis of highly efficient nanocatalysts on the supports with hierarchical pores using porous ionic liquid-water gel. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 3768-71	16.4	80
384	Metal-Organic Frameworks for Photonics Applications. <i>Structure and Bonding</i> , <b>2014</b> ,	0.9	19
383	A dual functional porous NbO-type metal-organic framework decorated with acylamide groups for selective sorption and catalysis. <b>2014</b> , 46, 226-228		19
382	Graphene supported chromium carbide material synthesized from Cr-based MOF/graphene oxide composites. <b>2014</b> , 130, 111-114		17
381	A combined experimental and theoretical study of gas sorption on nanoporous silver triazolato metal-organic frameworks. <b>2014</b> , 183, 62-68		14
380	Preparation of a magnetic metal organic framework composite and its application for the detection of methyl parathion. <b>2014</b> , 30, 663-8		9
379	[Synthesis and structure of silver(I) coordination polymers with bis(pyridyl) ligands linked by an aromatic sulfonamide]. <b>2014</b> , 134, 939-47		
378	Recent Advances in Porous Coordination Polymers. <b>2014</b> , 1-44		
377	Coordination polymers assembled from semirigid fluorene-based ligand: A couple of enantiomers. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 231, 47-52	3.3	13
376	Hierarchical Mesoporous Metal-Organic Frameworks for Enhanced CO <sub>2</sub> Capture. <b>2015</b> , 21, 15127-32		44
375	Green Synthesis of a Microporous, Partially Fluorinated Zn(II) Paddlewheel Metal-Organic Framework: H <sub>2</sub> /CO <sub>2</sub> Adsorption Behavior and Solid-State Conversion to a ZnO Nanocomposite. <b>2015</b> , 2015, 5669-5676		28
374	Three-dimensional networks containing rectangular Sr <sub>4</sub> and Ba <sub>4</sub> units: Synthesis, structure, bonding, and potential application for Ne gas separation. <b>2015</b> , 115, 1501-1510		6
373	Solvent-free heterogeneous catalysis for cyanosilylation in a modified sodalite-type Cu(II)-MOF. <i>RSC Advances</i> , <b>2015</b> , 5, 24293-24298	3.7	26
372	New topological 3D copper(II) coordination networks: catechol oxidation catalysis and solvent adsorption via porous properties. <i>CrystEngComm</i> , <b>2015</b> , 17, 2583-2590	3.3	8
371	Auxiliary Ligand-Assisted Structural Variation of Cd(II) Metal-Organic Frameworks Showing 2D-3D Polycatenation and Interpenetration: Synthesis, Structure, Luminescence Properties, and Selective Sensing of Trinitrophenol. <b>2015</b> , 15, 3356-3365		113

370	Synthesis and photocatalytic activity of N-K <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> /UiO-66 composites. <i>RSC Advances</i> , <b>2015</b> , 5, 53198-53206	2
369	Sonochemical synthesis of a nano-structured zinc(II) amidic pillar metal-organic framework. <b>2015</b> , 27, 416-422	30
368	Sponge-Like Behaviour in Isoreticular Cu(Gly-His-X) Peptide-Based Porous Materials. <b>2015</b> , 21, 16027-34	25
367	Strategies for engineering metal-organic frameworks as efficient photocatalysts. <b>2015</b> , 36, 2071-2088	87
366	Annulation of phenols with methylbutenol over MOFs: The role of catalyst structure and acid strength in producing 2,2-dimethylbenzopyran derivatives. <b>2015</b> , 202, 297-302	9
365	Interpenetration in coordination polymers: structural diversities toward porous functional materials. <b>2015</b> , 18, 97-116	50
364	Cerium-based metal-organic tetrahedron for selective sensing of ribonucleosides through the cooperation of hydrogen bonding interaction. <b>2015</b> , 54, 41-44	8
363	Coordination polymers: Opportunities and challenges for monitoring volatile organic compounds. <b>2015</b> , 45, 102-118	68
362	Solvent templates induced porous metal-organic materials: conformational isomerism and catalytic activity. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 1405-13	5.1 43
361	Syntheses, structures, and properties of Co(II)/Zn(II) mixed-ligand coordination polymers based on 4-[(3,5-dinitrobenzoyl)amino]benzoic acid and 1,4-bis(1-imidazolyl) benzene. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 225, 310-314	3.3 9
360	A clean and general strategy to decorate a titanium metal-organic framework with noble-metal nanoparticles for versatile photocatalytic applications. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 1191-3	5.1 129
359	1D chains, 2D networks and 3D interdigitated frameworks of isoorotic acid or 4,4'-bipyridyl and isoorotic acid: syntheses, structures, and sorption properties. <i>Inorganic Chemistry Frontiers</i> , <b>2015</b> , 2, 278-289	6.8 8
358	Three Scandium Compounds with Unsaturated Coordinative Metal Sites: Structures and Catalysis. <b>2015</b> , 2015, 931-938	13
357	Activity of Mixed Valence Copper Cyanide Metal-Organic Framework in the Oxidation of 3,5-di-Tert-Butylcatechol with Hydrogen Peroxide. <b>2015</b> , 25, 664-670	4
356	Single-crystal-to-single-crystal metalation of a metal-organic framework: a route toward structurally well-defined catalysts. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 2995-3005	5.1 130
355	Solvent-Dependent Structural Variation of Zinc(II) Coordination Polymers and Their Catalytic Activity in the Knoevenagel Condensation Reaction. <b>2015</b> , 15, 4185-4197	78
354	A versatile CuI/CuI metal-organic framework for selective sorption and heterogeneous catalysis. <i>CrystEngComm</i> , <b>2015</b> , 17, 6693-6698	3.3 11
353	Multifunctional metal-organic frameworks: from academia to industrial applications. <b>2015</b> , 44, 6774-803	618

352	A general post-synthetic modification approach of amino-tagged metal-organic frameworks to access efficient catalysts for the Knoevenagel condensation reaction. <b>2015</b> , 3, 17320-17331		162
351	Syntheses, structures, luminescence and magnetic properties of eleven coordination polymers constructed by a N,N'-sulfuryldiimidazole ligand. <i>CrystEngComm</i> , <b>2015</b> , 17, 5054-5065	3-3	17
350	Double-walled topology networks from a novel fluoride-bridged heptanuclear metal cluster. <b>2015</b> , 6, 4784-4789		33
349	Concomitant spin-canted antiferromagnetic ordering and proton conduction in homometallic and homoleptic coordination polymers. <i>Dalton Transactions</i> , <b>2015</b> , 44, 3949-53	4-3	7
348	Co(II)/Mn(II)/Cu(II) Coordination Polymers Based on Flexible 5,5'-(hexane-1,6-diyl)-bis(oxy)diisophthalic Acid: Crystal Structures, Magnetic Properties, and Catalytic Activity. <b>2015</b> , 15, 2712-2722		19
347	Transition metal carboxylate coordination polymers with amide-bridged polypyridine co-ligands: assemblies and properties. <i>CrystEngComm</i> , <b>2015</b> , 17, 3887-3907	3-3	54
346	Enhanced photodegradation of Rhodamine B under visible light by N-K <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> /MIL-101 composite. <b>2015</b> , 36, 115-123		11
345	Synthesis, Crystal Structure, Spectroscopic and Electrochemical Properties of a Copper Coordination Polymer with Unprecedented Topology. <b>2015</b> , 641, 948-952		
344	A pre-designed 1D chain of alternating di-μ <sub>2</sub> -1-azido bridged dinuclear Ni(II) and pyrazine: Synthesis, structure and magnetic properties. <b>2015</b> , 56, 108-111		13
343	A triazine-based covalent organic polymer for efficient CO <sub>2</sub> adsorption. <i>Chemical Communications</i> , <b>2015</b> , 51, 10050-3	5-8	215
342	Amide-containing zinc(II) metal-organic layered networks: a structure-CO <sub>2</sub> capture relationship. <i>Inorganic Chemistry Frontiers</i> , <b>2015</b> , 2, 477-484	6-8	13
341	Metal-organic frameworks: versatile heterogeneous catalysts for efficient catalytic organic transformations. <b>2015</b> , 44, 6804-49		1021
340	An Amide-Functionalized Dynamic Metal-Organic Framework Exhibiting Visual Colorimetric Anion Exchange and Selective Uptake of Benzene over Cyclohexane. <b>2015</b> , 21, 7071-6		52
339	A 3D pillared Cu-based metal-organic framework: Synthesis, structure, adsorption and catalytic properties. <b>2015</b> , 55, 96-98		4
338	Amide functionalized metal-organic frameworks for diastereoselective nitroaldol (Henry) reaction in aqueous medium. <i>RSC Advances</i> , <b>2015</b> , 5, 87400-87410	3-7	35
337	Amines functionalized C <sub>60</sub> as solid base catalysts for Knoevenagel condensation with high activity and stability. <i>RSC Advances</i> , <b>2015</b> , 5, 86082-86087	3-7	32
336	Lanthanide coordination polymer constructed from 2,2'-bipyridyl-4,4'-dicarboxylic acid: Structure, catalysis and fluorescence. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 437, 81-86	2-7	9
335	Functional metal-bipyridinium frameworks: self-assembly and applications. <i>Dalton Transactions</i> , <b>2015</b> , 44, 19041-55	4-3	100



334	Structure, magnetic, and electrochemical properties of complexes of 3d-metals as redox-active units for assembling coordination polymers and porous coordination polymer on their basis. <b>2015</b> , 64, 306-317			1
333	Adsorption-Driven Heat Pumps: The Potential of Metal-Organic Frameworks. <i>Chemical Reviews</i> , <b>2015</b> , 115, 12205-50	68.1		294
332	New organic/inorganic hybrid molecular systems and highly organized materials in catalysis. <b>2015</b> , 89, 2006-2021			21
331	Effects of Extending the $\pi$ -Electron System of Pillaring Linkers on Fluorescence Sensing of Aromatic Compounds in Two Isoreticular Metal-Organic Frameworks. <b>2015</b> , 15, 5543-5547			52
330	Five porous zinc(II) coordination polymers functionalized with amide groups: cooperative and size-selective catalysis. <b>2015</b> , 3, 20210-20217			34
329	A 1D anionic coordination polymer showing superior Congo Red sorption and its dye composite exhibiting remarkably enhanced photocurrent response. <i>Chemical Communications</i> , <b>2015</b> , 51, 14893-6	5.8		101
328	Three Zn(II)/Cd(II)/Mn(II) coordination polymers based on a 2-hydroxy-N-(1H-tetrazol-5-yl) benzamide ligand: structures, and magnetic and photoluminescence properties. <i>RSC Advances</i> , <b>2015</b> , 5, 78642-78647	3.7		2
327	Advancements in the Conversion of Carbon Dioxide to Cyclic Carbonates Using Metal Organic Frameworks as Catalysts. <b>2015</b> , 19, 223-235			81
326	Fabrication of porous polyurethane monoliths on strengthening interface of concentrated emulsion polymerization. <b>2015</b> , 164, 78-84			7
325	Metal-Organic Frameworks in Adsorption-Driven Heat Pumps: The Potential of Alcohols as Working Fluids. <b>2015</b> , 31, 12783-96			97
324	Hydroxyalkylation of Phenol with Formaldehyde to Bisphenol F Catalyzed by Keggin Phosphotungstic Acid Encapsulated in Metal-Organic Frameworks MIL-100(Fe or Cr) and MIL-101(Fe or Cr). <b>2015</b> , 54, 11804-11813			30
323	One non-interpenetrated chiral porous multifunctional metal-organic framework and its applications for sensing small solvent molecules and adsorption. <i>Chemical Communications</i> , <b>2015</b> , 51, 2447-9	5.8		57
322	Zinc(II) and Cadmium(II) Mixed-Ligand Coordination Polymers Constructed from 4-Methyl-1,2,4-triazole-3-thiol and Ethylene Diamine: X-ray Studies, Spectroscopic Characterization, and Thermal Analyses. <b>2015</b> , 25, 712-719			12
321	Dependence of crystal size on the catalytic performance of a porous coordination polymer. <i>Chemical Communications</i> , <b>2015</b> , 51, 2728-30	5.8		43
320	The first tritopic bridging ligand 1,3,5-tris(4-carboxyphenyl)-benzene (H3BTB) functionalized porous polyoxometalate-based metal-organic framework (POMOF): from design, synthesis to electrocatalytic properties. <i>Dalton Transactions</i> , <b>2015</b> , 44, 1435-40	4.3		46
319	Catalytic activity of copper(II) benzenetricarboxylate (HKUST-1) in reactions of aromatic aldehydes condensation with nitromethane: Kinetic and diffusion study. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 426, 119-125	2.7		15
318	Selective adsorption of cationic dyes by UiO-66-NH <sub>2</sub> . <b>2015</b> , 327, 77-85			267
317	Merging of the photocatalysis and copper catalysis in metal-organic frameworks for oxidative C-C bond formation. <b>2015</b> , 6, 1035-1042			109

316	Rigid and microporous polymers for gas separation membranes. <b>2015</b> , 43, 1-32		304
315	Crystal engineering, structurefunction relationships, and the future of metalorganic frameworks. <i>CrystEngComm</i> , <b>2015</b> , 17, 229-246	3-3	204
314	Catalytic Applications of Metal-Organic Frameworks. <b>2016</b> ,		2
313	A Bifunctional Metal-Organic Framework: Striking CO -Selective Sorption Features along with Guest-Induced Tuning of Luminescence. <b>2016</b> , 81, 702-707		12
312	Dynamic Entangled Porous Framework for Hydrocarbon (C2-C3) Storage, CO2 Capture, and Separation. <b>2016</b> , 22, 6059-70		41
311	Investigating axial diffusion in cylindrical pores using confocal single-particle fluorescence correlation spectroscopy. <b>2016</b> , 37, 2129-38		4
310	Functional Linkers for Catalysis. <b>2016</b> , 345-386		1
309	Synthesis, Structure, and Ligand-Centered Catalytic Properties of M Coordination Polymers (M=Zn , Cd , Hg ) with Open Pyridyl N-Oxide Sites. <b>2016</b> , 81, 743-751		1
308	Chiral Cu(salen)-Based Metal-Organic Framework for Heterogeneously Catalyzed Aziridination and Amination of Olefins. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 12500-12503	5-1	35
307	Synergistic effects in N-K2Ti4O9/UiO-66-NH2 composites and their photocatalysis degradation of cationic dyes. <b>2016</b> , 37, 367-377		28
306	Halide effects on formation and physicochemical properties of mercury(II) complexes containing Y-type tridentate N-donor. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1118, 367-371	3-4	
305	Three types of lanthanide coordination polymers from 1D to 3D based on a tetracarboxylate ligand: synthesis, structural diversities and properties. <i>CrystEngComm</i> , <b>2016</b> , 18, 5140-5148	3-3	16
304	Silver(I) and Thioether-bis(pyrazolyl)methane Ligands: The Correlation between Ligand Functionalization and Coordination Polymer Architecture. <b>2016</b> , 16, 3543-3552		21
303	Microporous polyurethane material for size selective heterogeneous catalysis of the Knoevenagel reaction. <i>Chemical Communications</i> , <b>2016</b> , 52, 7834-7	5-8	34
302	Recent advances in enzyme immobilization techniques: Metal-organic frameworks as novel substrates. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 322, 30-40	23-2	279
301	Adsorptive Removal of Methylene Blue from Aqueous Solution using a Ni-Metal Organic Framework Material. <b>2016</b> , 37, 1226-1231		16
300	Hydrothermal syntheses and photocatalytic performance of three Mn-based coordination complexes constructed from 1,10-phenanthroline and polycarboxylic acids. <b>2016</b> , 41, 375-385		8
299	A Carboxylate-Rich Metalloligand and Its Heterometallic Coordination Polymers: Syntheses, Structures, Topologies, and Heterogeneous Catalysis. <b>2016</b> , 16, 2874-2886		29

298	(113)Cd Nuclear Magnetic Resonance as a Probe of Structural Dynamics in a Flexible Porous Framework Showing Selective O <sub>2</sub> /N <sub>2</sub> and CO <sub>2</sub> /N <sub>2</sub> Adsorption. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 4166-72	5.1	25
297	Synthesis, structure, and magnetic and catalytic properties of metal frameworks with 2,2'-dinitro-4,4'-biphenyldicarboxylate and imidazole-containing tripodal ligands. <i>Dalton Transactions</i> , <b>2016</b> , 45, 8816-23	4.3	29
296	Functionalization of Microporous Lanthanide-Based Metal-Organic Frameworks by Dicarboxylate Ligands with Methyl-Substituted Thieno[2,3-b]thiophene Groups: Sensing Activities and Magnetic Properties. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 5139-51	5.1	98
295	Ethylene Epoxidation with Nitrous Oxide over Fe-BTC Metal-Organic Frameworks: A DFT Study. <b>2016</b> , 17, 3416-3422		26
294	Synthesis of ZnO inverse opals with high crystalline quality by a three-dimensional colloidal crystal template-assisted hydrothermal method over a seed layer. <i>CrystEngComm</i> , <b>2016</b> , 18, 7780-7786	3.3	7
293	Novel luminescent metal-organic frameworks based on rigid carboxylate ligands for highly selective sensing of Fe <sup>3+</sup> ions. <i>CrystEngComm</i> , <b>2016</b> , 18, 7787-7795	3.3	19
292	Separation of Xylene Isomers through Selective Inclusion: 1D -H <sub>2</sub> D, 1D -H <sub>3</sub> D, and 2D -H <sub>3</sub> D Assembled Coordination Polymers via B-sheets. <b>2016</b> , 16, 5606-5611		18
291	Bimodal self-assembly of an amphiphilic gelator into a hydrogel-nanocatalyst and an organogel with different morphologies and photophysical properties. <i>Chemical Communications</i> , <b>2016</b> , 52, 13136-13139	5.8	19
290	A study on proton conduction in a layered metal-organic framework, Rb <sub>2</sub> (adp)[Zn <sub>2</sub> (ox) <sub>3</sub> ](BH <sub>2</sub> O) (adp = adipic acid, ox <sup>2-</sup> = oxalate). <b>2016</b> , 72, 138-140		12
289	Metal-Organic Frameworks and Related Materials: Miles to Go. <b>2016</b> , 33-109		1
288	The synthesis of a bifunctional copper metal organic framework and its application in the aerobic oxidation/Knoevenagel condensation sequential reaction. <i>Dalton Transactions</i> , <b>2016</b> , 45, 13917-24	4.3	56
287	A Hydrophobic Metal-Organic Framework Based on Cubane-Type [Co <sub>4</sub> (B-F) <sub>3</sub> (B-SO <sub>4</sub> )](3+) Clusters for Gas Storage and Adsorption Selectivity of Benzene over Cyclohexane. <b>2016</b> , 22, 11283-90		27
286	A four-fold interpenetrated metal-organic framework as a fluorescent sensor for volatile organic compounds. <i>Dalton Transactions</i> , <b>2016</b> , 45, 14888-92	4.3	47
285	Enhanced photodegradation of Rhodamine B by coupling direct solid-state Z-scheme N-K <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction with high adsorption capacity of UiO-66. <b>2016</b> , 4, 3364-3373		17
284	Nitro explosive and cation sensing by a luminescent 2D Cu(I) coordination polymer with multiple Lewis basic sites. <b>2016</b> , 73, 37-40		6
283	A new Co(II) metal-organic framework with enhanced CO <sub>2</sub> adsorption and separation performance. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 1510-1515	6.8	21
282	Amide-CO <sub>2</sub> Interaction Induced Gate-Opening Behavior for CO <sub>2</sub> Adsorption in 2-Fold Interpenetrating Framework. <b>2016</b> , 1, 2923-2929		11
281	Construction of 3-Fold-Interpenetrated Three-Dimensional Metal-Organic Frameworks of Nickel(II) for Highly Efficient Capture and Conversion of Carbon Dioxide. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 9757-9766	5.1	63

280	The excellent photocatalytic synergism of PbBiO <sub>2</sub> Br/UiO-66-NH <sub>2</sub> composites via multiple coupling effects. <i>RSC Advances</i> , <b>2016</b> , 6, 89907-89915	3.7	21
279	Coordination Polymers of M <sub>2</sub> L <sub>2</sub> Macrocycles and M <sub>3</sub> L <sub>2</sub> Podands Containing Tris (pyridyl) Tripodal Amide: Anion Bridging, Ag <sup>+</sup> Ag Interactions and Solid-State Luminescence. <b>2016</b> , 1, 2299-2306		0
278	ZnII and CdII MOFs based on an amidoisophthalic acid ligand: synthesis, structure and catalytic application in transesterification. <i>RSC Advances</i> , <b>2016</b> , 6, 89007-89018	3.7	17
277	A Cu(II) MOF with a flexible bifunctionalised terpyridine as an efficient catalyst for the single-pot hydrocarboxylation of cyclohexane to carboxylic acid in water/ionic liquid medium. <i>Dalton Transactions</i> , <b>2016</b> , 45, 12779-89	4.3	27
276	Six Flexible and Rigid Co(II) Coordination Networks with Dicarboxylate and Nicotinamide-Like Ligands: Impact of Noncovalent Interactions in Retention of Dimethylformamide Solvent. <b>2016</b> , 16, 7011-7024 <sup>14</sup>		
275	Adamantane-based Bidentate Metal Complexes in Crystalline and Solution State. <b>2016</b> , 32, 1347-1352		3
274	o-, m-, and p-Pyridyl isomer effects on construction of 1D loop-and-chains: Silver(I) coordination polymers with Y-type tridentate ligands. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1122, 186-191	3.4	1
273	2D lanthanide MOFs driven by a rigid 3,5-bis(3-carboxy-phenyl)pyridine building block: solvothermal syntheses, structural features, and photoluminescence and sensing properties. <i>CrystEngComm</i> , <b>2016</b> , 18, 6425-6436	3.3	71
272	Dual Functionalized Cages in Metal-Organic Frameworks via Stepwise Postsynthetic Modification. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4781-4786	9.6	45
271	A study of the CO <sub>2</sub> /CO/CH <sub>4</sub> adsorption ability of porphyrin paddlewheel frameworks (PPFs). <b>2016</b> , 73, 2593-2603		2
270	High efficiency of mechanothesized Zn-based metal-organic frameworks in photodegradation of congo red under UV and visible light. <i>RSC Advances</i> , <b>2016</b> , 6, 13272-13277	3.7	35
269	Two 1D coordination polymers constructed from 3,3',4,4'-biphenyltetracarboxylic acid and 4,4'-bipyridine: hydrothermal syntheses and photocatalytic performance. <b>2016</b> , 41, 15-24		15
268	Mechanochemical and solvent-free assembly of zirconium-based metal-organic frameworks. <i>Chemical Communications</i> , <b>2016</b> , 52, 2133-6	5.8	194
267	pH dependent synthesis of Zn(II) and Cd(II) coordination polymers with dicarboxyl-functionalized arylhydrazone of barbituric acid: photoluminescence properties and catalysts for Knoevenagel condensation. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 1535-1546	3.6	56
266	Amide-containing luminescent metal-organic complexes as bifunctional materials for selective sensing of amino acids and reaction prompting. <i>RSC Advances</i> , <b>2016</b> , 6, 27944-27951	3.7	21
265	Model Study of Thermoresponsive Behavior of Metal-Organic Frameworks Modulated by Linker Functionalization. <b>2016</b> , 120, 6835-6841		11
264	Site-selective homo- and hetero-metallic doping of a 1D Zn-based coordination polymer to enhance the dimensionality and photocurrent responses. <i>CrystEngComm</i> , <b>2016</b> , 18, 3048-3054	3.3	17
263	Three orders of magnitude enhancement of proton conductivity of porous coordination polymers by incorporating ion-pairs into a framework. <i>Dalton Transactions</i> , <b>2016</b> , 45, 7893-9	4.3	9

262	In Situ Monitoring and Mechanism of the Mechanochemical Formation of a Microporous MOF-74 Framework. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2929-32	16.4	143
261	Synthesis, structure and properties of an octahedral dinuclear-based Cu <sub>2</sub> nanocage of trimesoyltri(L-alanine). <i>RSC Advances</i> , <b>2016</b> , 6, 9911-9915	3.7	12
260	Construction of 2D interwoven and 3D metal-organic frameworks (MOFs) of Cd(II): the effect of ancillary ligands on the structure and the catalytic performance for the Knoevenagel reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 28854-28864	3.7	27
259	Design of chiral Co(II)-MOFs and their application in environmental remediation and waste water treatment. <i>RSC Advances</i> , <b>2016</b> , 6, 25149-25158	3.7	30
258	Two-dimensional flexible Ni(II)-based porous coordination polymer showing single-crystal to single-crystal transformation, selective gas adsorption and catalytic properties. <i>Polyhedron</i> , <b>2016</b> , 105, 228-237	2.7	23
257	Preparation of a series of aCTV-based covalent organic frameworks and substituent effects on their properties. <i>CrystEngComm</i> , <b>2016</b> , 18, 1039-1045	3.3	11
256	Metal-organic framework derived hollow polyhedron metal oxide posited graphene oxide for energy storage applications. <i>Chemical Communications</i> , <b>2016</b> , 52, 946-9	5.8	40
255	Solvent-controlled assembly of crystal structures: From centrosymmetric structure to noncentrosymmetric structure. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1106, 114-120	3.4	5
254	Hydrothermal synthesis and structural characterization of metal-organic frameworks based on new tetradentate ligands. <i>Dalton Transactions</i> , <b>2016</b> , 45, 1382-90	4.3	19
253	Ionic metal-organic frameworks (iMOFs): Design principles and applications. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 307, 313-341	23.2	212
252	Rapid adsorptive removal of naphthalene from water using graphene nanoplatelet/MIL-101 (Cr) nanocomposite. <b>2017</b> , 701, 740-749		32
251	Carbon-Based Functional Materials Derived from Waste for Water Remediation and Energy Storage. <b>2017</b> , 29, 1605361		221
250	Knoevenagel condensation reaction catalysed by Al-MOFs with CAU-1 and CAU-10-type structures. <i>CrystEngComm</i> , <b>2017</b> , 19, 4187-4193	3.3	59
249	Post-synthetic ion-exchange process in nanoporous metal-organic frameworks; an effective way for modulating their structures and properties. <i>RSC Advances</i> , <b>2017</b> , 7, 1782-1808	3.7	85
248	Integration of Ag/AgCl and Au nanoparticles into isostructural porous coordination polymers of Ni(II), Co(II) and Mn(II): magnetic studies. <i>RSC Advances</i> , <b>2017</b> , 7, 3870-3878	3.7	3
247	Synthesis and characterization of lanthanide-based coordination polymers for highly selective and sensitive luminescent sensor for Pb <sup>2+</sup> over mixed metal ions. <b>2017</b> , 702, 303-308		12
246	The mechanism of an asymmetric ring-opening reaction of epoxide with amine catalyzed by a metal-organic framework: insights from combined quantum mechanics and molecular mechanics calculations. <i>Dalton Transactions</i> , <b>2017</b> , 46, 3470-3481	4.3	28
245	A Stable Porphyrin-Based Porous mog Metal-Organic Framework as an Efficient Solvent-Free Catalyst for C-C Bond Formation. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 3036-3043	5.1	79

- 244 Application of Coordination Polymers. **2017**, 17-30
- 243 Syntheses and photocatalytic performances of four coordination complexes constructed from 1,10-phenanthroline and polycarboxylic acids. **2017**, 42, 181-191 3
- 242 Incorporation of Molecular Catalysts in Metal-Organic Frameworks for Highly Efficient Heterogeneous Catalysis. **2017**, 29, 1605446 219
- 241 The applications of zeolitic imidazolate framework-8 in electrical energy storage devices: a review. **2017**, 28, 7532-7543 35
- 240 A three-dimensional coordination polymer based on 1,2,3-triazole-4,5-dicarboxylic acid (H<sub>3</sub> tda): {[Cd<sub>12</sub>(tda)<sub>8</sub>(H<sub>2</sub>O)<sub>11</sub>] · (H<sub>2</sub>O)<sub>6.25</sub>}<sub>n</sub>. **2017**, 62, 238-241 3
- 239 Cluster-based MOFs with accelerated chemical conversion of CO through C-C bond formation. *Chemical Communications*, **2017**, 53, 6013-6016 5.8 68
- 238 Luminescent coordination polymers based on a new resorcin[4]arene-functionalized tetracarboxylate: Highly selective luminescent detection of metal cations, anions and small organic molecules. **2017**, 188, 346-355 22
- 237 Supramolecular Layer Structures of Mn(II), Co(II), and Cu(II) Complexes with the 3-(1H-Benzotriazol-1-yl)propaneamide Ligand: Metal Coordination vs Hydrogen Bonding. **2017**, 17, 3402-3410 11
- 236 A novel adenine-based zinc(II) metal-organic framework featuring the Lewis basic sites for heterogeneous catalysis. **2017**, 79, 55-59 22
- 235 Sonochemical synthesis and structural characterization of a new nanostructured Co(II) supramolecular coordination polymer with Lewis base sites as a new catalyst for Knoevenagel condensation. **2017**, 39, 897-907 22
- 234 An Exceptionally Water Stable Metal-Organic Framework with Amide-Functionalized Cages: Selective CO /CH Uptake and Removal of Antibiotics and Dyes from Water. **2017**, 23, 13058-13066 47
- 233 Structural, Magnetic and Dielectric Properties of [(CH<sub>3</sub>)<sub>2</sub>NH<sub>2</sub>]Fe x Mn<sub>1-x</sub> (HCOO)<sub>3</sub>. **2017**, 46, 5540-5545 3
- 232 Anion-dependent formation of four coordination polymers based on N,N'-di(3-pyridine) oxamide (DPOM): Crystal structures and luminescence. *Journal of Solid State Chemistry*, **2017**, 253, 231-237 3.3 3
- 231 Lanthanide metal organic frameworks based on dicarboxyl-functionalized arylhydrazone of barbituric acid: syntheses, structures, luminescence and catalytic cyanosilylation of aldehydes. *Dalton Transactions*, **2017**, 46, 8649-8657 4.3 47
- 230 Fe<sub>3</sub>O<sub>4</sub>@HKUST-1 and Pd/Fe<sub>3</sub>O<sub>4</sub>@HKUST-1 as magnetically recyclable catalysts prepared via conversion from a Cu-based ceramic. *CrystEngComm*, **2017**, 19, 4201-4210 3.3 22
- 229 Metal-Organic Frameworks for Heterogeneous Basic Catalysis. *Chemical Reviews*, **2017**, 117, 8129-8176 68.1 974
- 228 A NbO type Cu(ii) metal-organic framework showing efficient catalytic activity in the Friedländer and Henry reactions. *Dalton Transactions*, **2017**, 46, 7782-7790 4.3 36
- 227 Synthesis, Crystal Structure and Catalytic Property of a New Cadmium Coordination Polymer. **2017**, 28, 1955-1962 5

226	A Microporous Amic Acid Polymer for Enhanced Ammonia Capture. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33504-33510	9.5	20
225	Photoswitching storage of guest molecules in metal-organic framework for photoswitchable catalysis: exceptional product, ultrahigh photocontrol, and photomodulated size selectivity. <b>2017</b> , 5, 7961-7967		30
224	Construction of 3D homochiral metal-organic frameworks (MOFs) of Cd(II): selective CO <sub>2</sub> adsorption and catalytic properties for the Knoevenagel and Henry reaction. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 348-359	6.8	47
223	Pore-size-tuned host-guest interactions in Co-MOFs via in situ microcalorimetry: adsorption and magnetism. <b>2017</b> , 5, 1064-1073		24
222	Cadmium(II) Coordination Polymers of 4-Pyr-poly-2-ene and Carboxylates: Construction, Structure, and Photochemical Double [2 + 2] Cycloaddition and Luminescent Sensing of Nitroaromatics and Mercury(II) Ions. <b>2017</b> , 17, 870-881		72
221	Synthesis, characterization, crystal structure of magnesium compound based 3, 3', 5, 5'-azobenzotetracarboxylic acid and application as high-performance heterogeneous catalyst for cyanosilylation. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1133, 607-614	3.4	13
220	Coordinatively Unsaturated Metal-Organic Frameworks M(btc) (M = Cr, Fe, Co, Ni, Cu, and Zn) Catalyzing the Oxidation of CO by NO: Insight from DFT Calculations. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 14005-14012	5.1	54
219	A Stable Amino-Functionalized Interpenetrated Metal-Organic Framework Exhibiting Gas Selectivity and Pore-Size-Dependent Catalytic Performance. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 13634-13637	5.1	22
218	Two kinds of cobalt-based coordination polymers with excellent catalytic ability for the selective oxidation of cis-cyclooctene. <b>2017</b> , 86, 112-117		11
217	Efficient and Reusable Metal-Organic Framework Catalysts for Carboxylative Cyclization of Propargylamines with Carbon Dioxide. <i>ChemCatChem</i> , <b>2017</b> , 9, 4598-4606	5.2	41
216	Developing multifunctional nanoparticles in a 1-D coordination polymer of Cd(II). <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 255, 206-214	3.3	1
215	Size-selective catalysts in five functionalized porous coordination polymers with unsaturated zinc centers. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 12611-12616	3.6	20
214	Synthesis and photophysical study of an octahedral silver(I) 1-D coordination polymer with thiocarboxylic-acid-based ligands. <i>Polyhedron</i> , <b>2017</b> , 137, 347-352	2.7	1
213	Ultrathin Cobalt-Based Metal-Organic Framework Nanosheets with Both Metal and Ligand Redox Activities for Superior Lithium Storage. <b>2017</b> , 23, 15984-15990		55
212	Structural diversity and catalytic properties of five Co <sub>2</sub> (COO) <sub>4</sub> cluster-based coordination polymers modified with R-isophthalic acid (R = H, NO <sub>2</sub> , CH <sub>3</sub> , OH and tBu). <i>CrystEngComm</i> , <b>2017</b> , 19, 5038-5047	3.3	16
211	Microfluidic-based Synthesis of Covalent Organic Frameworks (COFs): A Tool for Continuous Production of COF Fibers and Direct Printing on a Surface. <b>2017</b> ,		3
210	Enhanced photocatalytic activity of zeolitic imidazolate framework-8 by modification with phosphor tungstic acid. <b>2017</b> , 64, 012048		1
209	Structural Diversity in Zn(II) Coordination Polymers Constructed by Linear N,N'-Donor Linker and Different Pseudohalides: Sorption Study and Luminescent Properties. <b>2017</b> , 2, 5783-5792		2

208	Reversible adsorption and storage of secondary explosives from water using a Tröger's base-functionalised polymer. <b>2017</b> , 5, 25014-25024		22
207	A novel 2D metal-organic framework with Lewis basic sites as a heterogeneous base catalysis. <b>2017</b> , 86, 285-289		12
206	Multifunctional metal-organic framework catalysts: synergistic catalysis and tandem reactions. <b>2017</b> , 46, 126-157		1208
205	Oxidative coupling of 2-aminophenol to 2-amino-phenoxazine-3-one catalyzed by organotin (IV) copper (I) cyanide coordination polymers as heterogeneous catalysts. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, S2829-S2835	5.9	6
204	Porous Coordination Polymers/Metal-Organic Frameworks. <b>2017</b> , 141-164		1
203	A Homochiral Multifunctional Metal-Organic Framework with Rod-Shaped Secondary Building Units. <b>2017</b> , 7,		9
202	On-site sensors based on infinite coordination polymer nanoparticles: Recent progress and future challenge. <b>2018</b> , 11, 338-351		32
201	A [4+2] Condensation Strategy to Imine-Linked Single-Crystalline Zeolite-Like Zinc Phosphate Frameworks. <b>2018</b> , 24, 6178-6190		12
200	N-rich Porous Organic Polymer as Heterogeneous Organocatalyst for the One-Pot Synthesis of Polyhydroquinoline Derivatives through the Hantzsch Condensation Reaction. <i>ChemCatChem</i> , <b>2018</b> , 10, 2488-2495	5.2	30
199	Direct Fabrication of Strong Basic Sites on Ordered Nanoporous Materials: Exploring the Possibility of Metal-Organic Frameworks. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1686-1694	9.6	13
198	Nanopore-induced host-guest charge transfer phenomena in a metal-organic framework. <b>2018</b> , 9, 3282-3289		21
197	Characterization and gas adsorption of a novel three-dimensional metal-organic framework (MOF) generated from a new polydentate fluorene-bridged ligand. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2018</b> , 74, 212-217	0.8	3
196	A computational study of the catalytic aerobic epoxidation of propylene over the coordinatively unsaturated metal-organic framework Fe(btc): formation of propylene oxide and competing reactions. <b>2018</b> , 20, 6726-6734		10
195	Selective fluorescent sensing and photocatalytic properties of three MOFs based on naphthalene-1,4-dicarboxylic acid and 2,4,5-tri(4-pyridyl)-imidazole. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 3551-3559	3.6	5
194	Tiny Au satellites decorated Fe <sub>3</sub> O <sub>4</sub> @3-aminophenol-formaldehyde core-shell nanoparticles: Easy synthesis and comparison in catalytic reduction for cationic and anionic dyes. <b>2018</b> , 540, 67-72		20
193	Fabrication of MIL-101(Cr/Al) with flower-like morphology and its catalytic performance. <b>2018</b> , 559, 138-145		8
192	A novel 3D MOF with rich lewis basic sites as a base catalysis toward knoevenagel condensation reaction. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1167, 11-15	3.4	23
191	Bifunctional 2D Cd(II)-Based Metal-Organic Framework as Efficient Heterogeneous Catalyst for the Formation of C=C Bond. <b>2018</b> , 18, 2883-2889		37



190	Metal-Organic Frameworks: An Advanced Class of Anion-Exchange Materials. <b>2018</b> , 325-375		2
189	Exploiting Dimensional Variability in Cu Paddle-Wheel Secondary Building Unit Based Mixed Valence Cu(II)/Cu(I) Frameworks from a Bispyrazole Ligand by Solvent/pH Variation. <b>2018</b> , 18, 2397-2404		9
188	Coordination chemistry of flexible benzene-1,3,5-tricarboxamide derived carboxylates; notable structural resilience and vaguely familiar packing motifs. <i>Dalton Transactions</i> , <b>2018</b> , 47, 5259-5268	4.3	6
187	Flexible self-supported metal-organic framework mats with exceptionally high porosity for enhanced separation and catalysis. <b>2018</b> , 6, 334-341		79
186	Three coordination compounds based on tris(1-imidazolyl)benzene: Hydrothermal synthesis, crystal structure and adsorption performances toward organic dyes. <i>Polyhedron</i> , <b>2018</b> , 139, 89-97	2.7	8
185	Design and Synthesis of Porous Coordination Polymers with Expanded One-Dimensional Channels and Strongly Lewis-Acidic Sites. <b>2018</b> , 4, 103-111		8
184	Metal-Organic Frameworks as Platforms for Catalytic Applications. <b>2018</b> , 30, e1703663		833
183	A mechanistic approach towards the photocatalytic organic transformations over functionalised metal organic frameworks: a review. <b>2018</b> , 8, 679-696		77
182	Set of Multifunctional Azo Functionalized Semiconducting Cd(II)-MOFs Showing Photoswitching Property and Selective CO Adsorption. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 251-263	5.1	36
181	Water-stable fluorinated metal-organic frameworks (F-MOFs) with hydrophobic properties as efficient and highly active heterogeneous catalysts in aqueous solution. <b>2018</b> , 20, 5336-5345		48
180	Guest-induced reversible crystal-to-amorphous-to-crystal transformation in a Co(II)-based metal-organic framework. <i>CrystEngComm</i> , <b>2018</b> , 20, 6828-6833	3.3	6
179	Crystal structure of catena-poly[( $\mu$ -1-(4-(1H-pyrazol-1-yl)phenyl)ethan-1-one- $\mu$ N:O)-bis(1,1,1-trifluoro-4-oxo-4-(thiophen-2-yl)but-2-en-2-olato)C <sub>27</sub> H <sub>18</sub> CuF <sub>6</sub> N <sub>2</sub> O <sub>5</sub> S <sub>2</sub> . <b>2018</b> , 233, 969-971		
178	Synthesis of Metallomacrocyclic and Coordination Polymers with Pyridine-Based Amidocarboxylate Ligands and Their Catalytic Activities towards the Henry and Knoevenagel Reactions. <b>2018</b> , 7, 865-877		10
177	Coordination-driven self-assembly of discrete Ru-Pt prismatic cages. <b>2018</b> , 14, 2242-2249		5
176	Lewis basicity generated by localised charge imbalance in noble metal nanoparticle-embedded defective metal-organic frameworks. <b>2018</b> , 9, 4326		31
175	Self-assembled coordination polymers of Zn(II): Syntheses, structural diversity, luminescence properties and base catalysis. <i>Polyhedron</i> , <b>2018</b> , 155, 433-440	2.7	2
174	(3,3)-Connected Three-dimensional Supramolecular Metal Organic Polyhedral Based on Nanometresized Ligand with Magnetism Properties. <b>2018</b> , 34, 723-726		1
173	Efficient heterogeneous catalysis by dual ligand Zn(II)/Cd(II) MOFs for the Knoevenagel condensation reaction: adaptable synthetic routes, characterization, crystal structures and luminescence studies. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2630-2640	6.8	39

172	Supramolecular recognition of benzene homologues in a 2D coordination polymer through variable inter-layer $\pi$ -interaction. <i>CrystEngComm</i> , <b>2018</b> , 20, 3313-3317	3.3	11
171	Ethylene diamine post-synthesis modification on open metal site Cr-MOF to access efficient bifunctional catalyst for the Hantzsch condensation reaction. <b>2018</b> , 32, e4370		48
170	Synthesis, spectroscopic characterization, crystal structure, Hirshfeld surface analysis and antimicrobial activities of two triazole Schiff bases and their silver complexes. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 482, 34-47	2.7	18
169	Amino-Modified Fe-Terephthalate Metal-Organic Framework as an Efficient Catalyst for the Selective Oxidation of HS. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10081-10089	5.1	65
168	Synthesis, structures, and properties of Co(II) and Zn(II) coordination polymers based on 1,3-dicarbo-hydrazine benzene. <b>2018</b> , 65, 1491-1494		
167	Construction of two Zn(II)/Cd(II) multifunctional coordination polymers with mixed ligands for catalytic and sensing properties. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 14203-14209	3.6	35
166	Unprecedented photosensitivity of heterotrimetallic copper(II)/sodium/mercury(II) coordination polymer based thin film semiconductor device. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 15295-15305	3.6	17
165	Engineering a Nanoscale Primary Amide-Functionalized 2D Coordination Polymer as an Efficient and Recyclable Heterogeneous Catalyst for the Knoevenagel Condensation Reaction. <b>2018</b> , 1, 5226-5236		24
164	Pore surface engineering of metal-organic frameworks for heterogeneous catalysis. <i>Coordination Chemistry Reviews</i> , <b>2018</b> , 376, 248-276	23.2	130
163	Controlled construction of uniform pompon-like Pb-ICP microarchitectures as a precursor for PbO semiconductor nanoflakes. <b>2018</b> , 29, 2813-2821		4
162	White-Light-Emitting Materials and Highly Sensitive Detection of Fe <sup>3+</sup> and Polychlorinated Benzenes Based on Ln-Metal-Organic Frameworks. <b>2018</b> , 18, 5353-5364		45
161	Three Silver Coordination Polymers with Diverse Architectures Constructed from Pyridine Carboxylic Hydrazide Ligands. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 11793-11800	5.1	9
160	Three-Dimensional Co(II)-Metal-Organic Frameworks with Varying Porosities and Open Metal Sites toward Multipurpose Heterogeneous Catalysis under Mild Conditions. <b>2019</b> , 19, 5343-5353		26
159	A luminescent inorganic-organic hybrid, [Cd(C <sub>16</sub> H <sub>10</sub> N <sub>2</sub> O <sub>8</sub> S)(H <sub>2</sub> O)], for the selective and recyclable detection of chromates and dichromates in aqueous solution. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 13263-13270	3.6	8
158	High-pressure Effect on a Proton-conducting Metal-Organic Framework, LaCr(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ·10H <sub>2</sub> O. <b>2019</b> , 48, 746-748		2
157	Design strategies and applications of charged metal organic frameworks. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 398, 113007	23.2	45
156	Coordination polymers based on 3,3-dimethylglutarate and 1,4-bis((1H-imidazol-1-yl)methyl)benzene: Hydrothermal synthesis and characterizations. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 277, 811-818	3.3	5
155	Ionic mesoporous polyamides enable highly dispersed ultrafine Ru nanoparticles: a synergistic stabilization effect and remarkable efficiency in levulinic acid conversion into $\gamma$ -valerolactone. <b>2019</b> , 7, 19140-19151		12

154	Metal-organic frameworks for catalysis: State of the art, challenges, and opportunities. <b>2019</b> , 1, 100005		204
153	Enhancing catalytic performance via structure core-shell metal-organic frameworks. <i>Journal of Catalysis</i> , <b>2019</b> , 375, 371-379	7.3	15
152	Water-Ethanol and Methanol-Ethanol Separations Using in Situ Confined Polymer Chains in a Metal-Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41383-41393	9.5	8
151	Subppm Amine Detection via Absorption and Luminescence Turn-On Caused by Ligand Exchange in Metal Organic Frameworks. <b>2019</b> , 91, 15853-15859		20
150	Hydrophilic Carboxyl Cotton for in Situ Growth of UiO-66 and Its Application as Adsorbents. <b>2019</b> , 58, 20331-20339		19
149	Mechanism of the Manganese-Pincer-Catalyzed Acceptorless Dehydrogenative Coupling of Nitriles and Alcohols. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2398-2403	16.4	50
148	Ligand geometry controlling Zn-MOF partial structures for their catalytic performance in Knoevenagel condensation.. <i>RSC Advances</i> , <b>2019</b> , 9, 25170-25176	3.7	9
147	Linker functionalized metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 399, 213023	23.2	89
146	Adsorption of hydrogen sulfide by amine-functionalized metal organic framework (MOF-199): An experimental and simulation study. <b>2019</b> , 497, 143815		34
145	Soft Templating and Disorder in an Applied 1D Cobalt Coordination Polymer Electrocatalyst. <b>2019</b> , 1, 1354-1369		5
144	Selective Oxidation of C-H Bonds through a Manganese(III) Hydroperoxo in Mn-Exchanged CFA-1. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 13221-13228	5.1	10
143	Two Hg(II)-Based Macrocycles Offering Hydrogen Bonding Cavities: Influence of Cavity Structure on Heterogeneous Catalysis. <b>2019</b> , 19, 6039-6047		12
142	Synthesis, structure, and catalytic properties of a copper(II) coordination polymer material constructed from 5-nitro-1,2,3-benzenetricarboxylic acid and bis(4-pyridylformyl)piperazine mixed ligands. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 278, 120908	3.3	10
141	A Zn based metal organic framework as a heterogeneous catalyst for C-C bond formation reactions. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 3793-3800	3.6	30
140	Selective CO <sub>2</sub> adsorption and theoretical simulation of a stable Co(II)-based metal-organic framework with tunable crystal size. <i>CrystEngComm</i> , <b>2019</b> , 21, 1564-1569	3.3	3
139	Computational study of the carbonyl-ene reaction between formaldehyde and propylene encapsulated in coordinatively unsaturated metal-organic frameworks M(btc) (M = Fe, Co, Ni, Cu and Zn). <b>2019</b> , 21, 2783-2789		15
138	Construction of a 3D porous Co(II) metal-organic framework (MOF) with Lewis acidic metal sites exhibiting selective CO <sub>2</sub> capture and conversion under mild conditions. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 2163-2170	3.6	22
137	Low-Dimensional Metal-Organic Frameworks and their Diverse Functional Roles in Catalysis. <i>ChemCatChem</i> , <b>2019</b> , 11, 3138-3165	5.2	18

136	3D-Printed Zeolitic Imidazolate Framework Structures for Adsorptive Separations. <b>2019</b> , 2, 4991-4999		25
135	Metal-organic frameworks for CO <sub>2</sub> photoreduction. <b>2019</b> , 13, 221-250		13
134	Recent advances in amide functionalized metal organic frameworks for heterogeneous catalytic applications. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 395, 86-129	23.2	54
133	Synthesis, crystal structure and magnetic properties of the new Cu(II)/Mn(II) coordination polymer $[[\text{Cu}(\text{cyclam})\text{MnCl}_3(\text{H}_2\text{O})_2\text{Cl}]_n]$ . <i>Polyhedron</i> , <b>2019</b> , 170, 51-59	2.7	3
132	Solvent-assisted ligand exchange (SALE) for the enhancement of epoxide ring-opening reaction catalysis based on three amide-functionalized metal-organic frameworks. <i>Dalton Transactions</i> , <b>2019</b> , 48, 8803-8814	4.3	28
131	A copper-amidocarboxylate based metal organic macrocycle and framework: synthesis, structure and catalytic activities towards microwave assisted alcohol oxidation and Knoevenagel reactions. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 9843-9854	3.6	13
130	Syntheses of mono and bimetallic cyamelurate polymers with reversible chromic behaviour. <i>Dalton Transactions</i> , <b>2019</b> , 48, 7006-7014	4.3	10
129	Introduction to Aromatic and Aliphatic Pillars. <b>2019</b> , 157-175		
128	A highly catalytically active Hf(IV) metal-organic framework for Knoevenagel condensation. <b>2019</b> , 284, 459-467		35
127	All-in-One Porous Polymer Adsorbents with Excellent Environmental Chemosensory Responsivity, Visual Detectivity, Superfast Adsorption, and Easy Regeneration. <b>2019</b> , 31, e1900104		27
126	Structurally simple trimesic amides as highly selective anion channels. <i>Chemical Communications</i> , <b>2019</b> , 55, 4797-4800	5.8	14
125	Metal-Organic Frameworks for High-Energy Lithium Batteries with Enhanced Safety: Recent Progress and Future Perspectives. <b>2019</b> , 2, 591-626		29
124	Halogen-π Interactions in Supramolecular Architecture of 1D Coordination Polymers and Their Electrical Conductance. <b>2019</b> , 4, 3294-3299		12
123	Supramolecular first-row transition metal complexes of 3-(3,5-dimethylpyrazol-1-yl)propanamide: Three different coordination modes. <i>Polyhedron</i> , <b>2019</b> , 164, 228-235	2.7	4
122	A zinc(II) coordination polymer material with Lewis basic pyridyl sites: Structure, photoluminescence, and heterogeneous catalysis. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 274, 81-85	3.3	34
121	N-rich covalent organic frameworks with different pore size for high-pressure CO <sub>2</sub> adsorption. <b>2019</b> , 285, 70-79		22
120	Mechanochemical Synthesis of a New Triptycene-Based Imine-Linked Covalent Organic Polymer for Degradation of Organic Dye. <b>2019</b> , 19, 2525-2530		25
119	Ferrocene-containing coordination polymers as way for preparation of energy carriers. <b>2019</b> , 194, 571-574		2

118	Potassium coordination polymer complex containing tetrazolyl ligand. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1185, 50-56	3.4	2
117	Amino functionalized Zn/Cd-metal-organic frameworks for selective CO adsorption and Knoevenagel condensation reactions. <i>Dalton Transactions</i> , <b>2019</b> , 48, 4007-4014	4.3	28
116	Easy Scale-Up Synthesis of Mo <sub>8</sub> O <sub>26</sub> (C <sub>5</sub> H <sub>6</sub> N) <sub>4</sub> .H <sub>2</sub> O Hybrid with a Rectangular Prism Morphology and Its Application as an Efficient and Highly Recyclable Bi-functional Catalyst for Knoevenagel Condensations. <b>2019</b> , 4, 2551-2561		4
115	In Situ Two-Step Crystallization: Transformation of Kinetic Crystals into Thermodynamic Crystals. <b>2019</b> , 19, 2019-2023		6
114	2D covalent organic frameworks with built-in amide active sites for efficient heterogeneous catalysis. <i>Chemical Communications</i> , <b>2019</b> , 55, 14538-14541	5.8	24
113	Controlling the Polymorphism and Topology Transformation in Porphyrinic Zirconium Metal-Organic Frameworks via Mechanochemistry. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 19214-19220	16.4	36
112	. <b>2019</b> ,		2
111	Preparation of two novel Schiff base polymers and their Eu (III)/Yb (III) complexes. <b>2019</b> , 8, 49-54		1
110	Five 3D lanthanide-based coordination polymers with 3,3,6T13 topology: Structures and luminescent sensor for Hg <sup>2+</sup> and Pb <sup>2+</sup> ions. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 270, 339-345	3.3	14
109	Kinetic Control in Synthesis of Polymers Using Nanoporous Metal-Organic Frameworks. <b>2019</b> , 185-204		0
108	Catalytic improvement by open metal sites in a new mixed-ligand hetero topic metal-organic framework. <i>Polyhedron</i> , <b>2019</b> , 159, 72-77	2.7	4
107	Anchoring nZVI on metal-organic framework for removal of uranium(VI) from aqueous solution. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 269, 16-23	3.3	31
106	Metal-organic frameworks for photocatalytic CO <sub>2</sub> reduction under visible radiation: A review of strategies and applications. <b>2020</b> , 340, 209-224		128
105	Structural changes in copper based metal-organic framework catalyst induced by organic solvents. <b>2020</b> , 351, 2-5		1
104	Construction of a bifunctional Zn(II)-organic framework containing a basic amine functionality for selective capture and room temperature fixation of CO <sub>2</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 72-81	6.8	30
103	Construction of luminescent coordination polymers based on 5-(1-(carboxymethyl)-pyrazol-3-yl)isophthalic ligand for sensing Cu <sup>2+</sup> and acetone. <i>Polyhedron</i> , <b>2020</b> , 177, 114314	2.7	5
102	Evolution of a Metal-Organic Framework into a Brønsted Acid Catalyst for Glycerol Dehydration to Acrolein. <b>2020</b> , 13, 5073-5079		10
101	Sonochemical synthesis of Zr-fumaric based metal-organic framework (MOF) and its performance evaluation in methyl violet 2B decolorization by photocatalysis. <b>2020</b> , 131, 1009-1021		9

100	Rational Design of a Zn MOF with Multiple Functional Sites for Highly Efficient Fixation of CO under Mild Conditions: Combined Experimental and Theoretical Investigation. <b>2020</b> , 26, 17445-17454		13
99	Activated carbon/MOFs composite: AC/NH <sub>2</sub> -MIL-101(Cr), synthesis and application in high performance adsorption of p-nitrophenol. <i>Journal of Saudi Chemical Society</i> , <b>2020</b> , 24, 693-703	4.3	21
98	Highly selective and sensitive dual-fluorescent probe for cationic Pb <sup>2+</sup> and anionic CrO <sub>4</sub> <sup>2-</sup> contaminants via a powerful indium-organic framework. <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 291, 121672	3.3	10
97	An in situ approach to functionalize metal-organic frameworks with tertiary aliphatic amino groups. <i>Chemical Communications</i> , <b>2020</b> , 56, 13177-13180	5.8	6
96	Co(II) coordination polymers constructed from a bent chiral linker: influencing framework topology using co-ligands. <i>CrystEngComm</i> , <b>2020</b> , 22, 6690-6698	3.3	1
95	Urea and Amide Decorated Metal-Organic Frameworks. <b>2020</b> , 165-199		
94	Ammonia Storage in Hydrogen Bond-Rich Microporous Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 58161-58169	9.5	2
93	Cd(II) coordination compounds as heterogeneous catalysts for microwave-assisted peroxidative oxidation of toluene and 1-phenylethanol. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9163-9171	3.6	8
92	Pore Chemistry of Metal-Organic Frameworks. <b>2020</b> , 30, 2000238		110
91	Synthesis, crystal structure and thermodynamic properties of two transition metal coordination polymers. <i>Thermochimica Acta</i> , <b>2020</b> , 690, 178661	2.9	1
90	Synthesis, structural investigation and NLO properties of three 1,2,4-triazole Schiff bases. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1219, 128492	3.4	7
89	Evaluation of Metal-Organic Frameworks as Potential Adsorbents for Solar Cooling Applications. <i>Applied System Innovation</i> , <b>2020</b> , 3, 26	2.4	6
88	Copper 3,4-pyridinedicarboxylate mixed ligand coordination polymers with diverse topologies and aqueous Congo Red degradation catalytic properties. <i>Polyhedron</i> , <b>2020</b> , 180, 114427	2.7	4
87	Metal-organic frameworks for the chemical fixation of CO <sub>2</sub> into cyclic carbonates. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 408, 213173	23.2	139
86	Defect-Engineered Ruthenium MOFs as Versatile Heterogeneous Hydrogenation Catalysts. <i>ChemCatChem</i> , <b>2020</b> , 12, 1720-1725	5.2	20
85	Environmentally benign benzyl alcohol oxidation and C-C coupling catalysed by amide functionalized 3D Co(II) and Zn(II) metal organic frameworks. <i>Journal of Catalysis</i> , <b>2020</b> , 385, 324-337	7.3	20
84	Effect of pyridyl donors from organic ligands versus metalloligands on material design. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 1334-1373	6.8	7
83	A novel strategy for enhancing the performance of membranes for dyes separation: Embedding PAA@UiO-66-NH <sub>2</sub> between graphene oxide sheets. <i>Chemical Engineering Journal</i> , <b>2021</b> , 403, 126281	14.7	48

82	In situ Fe <sub>3</sub> O <sub>4</sub> nanoparticles coating of polymers for separating hazardous PVC from microplastic mixtures. <i>Chemical Engineering Journal</i> , <b>2021</b> , 407, 127170	14.7	4
81	A new spin crossover Fe coordination environment in a two-fold interpenetrated 3-D Hofmann-type framework material. <i>Chemical Communications</i> , <b>2021</b> , 57, 85-88	5.8	6
80	A 2D-layered Cd(II) MOF as an efficient heterogeneous catalyst for the Knoevenagel reaction. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 294, 121846	3.3	6
79	Two new calix[4]resorcinarene-based coordination cages adjusted by metal ions for the Knoevenagel condensation reaction. <i>Dalton Transactions</i> , <b>2021</b> , 50, 9942-9948	4.3	2
78	Porous Coordination Polymers/Metal-Organic Frameworks. <b>2021</b> , 314-327		
77	Synthesis of biological based hennotannic acid-based salts over porous bismuth coordination polymer with phosphorous acid tags.. <i>RSC Advances</i> , <b>2021</b> , 11, 2141-2157	3.7	6
76	Fluoroarene Separations in Metal-Organic Frameworks with Two Proximal Mg Coordination Sites. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1948-1958	16.4	3
75	Tuning MOF-Derived Co <sub>3</sub> O <sub>4</sub> /NiCo <sub>2</sub> O <sub>4</sub> Nanostructures for High-Performance Energy Storage. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 1537-1547	6.1	17
74	Endorsing Organic Porous Polymers in Regioselective and Unusual Oxidative C-C Bond Cleavage of Styrenes into Aldehydes and Anaerobic Benzyl Alcohol Oxidation via Hydride Elimination. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 15353-15365	9.5	
73	The Structures of Metal-Organic Frameworks. <b>2021</b> , 283-309		
72	The Structures of Metal-Organic Frameworks. <b>2021</b> , 342-389		
71	The Structures of Metal-Organic Frameworks. <b>2021</b> , 309-389		
70	Synthesis of MOF-Supported Nanoparticles and Their Interest in Catalysis. <b>2021</b> , 183-214		1
69	Hydrolytically Stable and Trifunctional Zirconium-Based Organic Frameworks toward CrO Detection, Capture, and Photoreduction. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 8143-8153	5.1	12
68	Gas sorption and luminescence properties of activated forms of a cd(II)-coordination polymer. <i>Journal of Coordination Chemistry</i> , 1-12	1.6	2
67	Multifunctional Coordination Polymer Exhibiting Reversible Mechanical Motion Allowing Selective Uptake of Guests and Leading to Enhanced Electrical Conductivity. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 13658-13668 <sup>o</sup>	5.1	13668 <sup>o</sup>
66	Enantioselective Gel Phase Synthesis of Metal-Organic Materials. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 24406-24410	16.4	
65	Enantioselective Gel Phase Synthesis of Metal-Organic Materials. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 24611-24618	3.6	

64	Sono-synthesis of basic metal-organic framework for reusable catalysis of organic reactions in the eco-friendly conditions. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 303, 122525	3.3	3
63	Integrated material and process evaluation of metal-organic frameworks database for energy-efficient SF <sub>6</sub> /N <sub>2</sub> separation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131787	14.7	0
62	Heterogeneous catalytic rearrangements and other transformations. <b>2022</b> , 543-592		
61	A Review on Metal-Organic Frameworks: Synthesis and Applications. <i>Asian Journal of Chemistry</i> , <b>2021</b> , 33, 245-252	0.4	1
60	Synthesis and characterization of silver and copper metal-organic hybrid nanomaterials and their biological application. <i>Colloid and Polymer Science</i> , <b>2021</b> , 299, 773-781	2.4	2
59	The role of metal-organic porous frameworks in dual catalysis. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 3618-3658	6.8	5
58	Porous Coordination Polymers Towards Gas Technology. <i>Structure and Bonding</i> , <b>2009</b> , 51-86	0.9	15
57	Manganese-organic framework assembled by 5-((4-(tetrazol-5-yl)benzyl)oxy)isophthalic acid: A solvent-free catalyst for the formation of carbon-carbon bond. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 510, 119735	2.7	9
56	MOFs in carbon capture-past, present and future. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 42, 101297	7.6	27
55	UiO-66-NH <sub>2</sub> /Cu <sub>2</sub> O composite as an enhanced visible light photocatalyst for decomposition of organic pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 399, 112625	4.7	9
54	Creating uniform pores for xenon/ krypton and acetylene/ethylene separation on a strontium-based metal-organic framework. <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 288, 121337	3.3	4
53	Preliminary study on immobilization of plant esterase on functionalized multi-walled carbon nanotubes (MWCNTs) for biosensor application. <i>IOP Conference Series: Materials Science and Engineering</i> , 932, 012040	0.4	1
52	A cyanide-bridged Fe-Mn heterobimetallic one-dimensional coordination polymer: synthesis, crystal structure, experimental and theoretical magnetism investigation. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2019</b> , 75, 1475-1481	0.8	2
51	Synthesis and structural characterization of a three-dimensional two-fold interpenetrated coordination polymer constructed from bis(4-(1H-imidazol-1-yl)phenyl)methanone and 1,1'-biphenyl-2,2'-dicarboxylate ligands for cadmium(II). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2020</b> , 75, 733-737	1	1
50	Effect of Diamine in Amine-Functionalized MIL-101 for Knoevenagel Condensation. <i>Bulletin of the Korean Chemical Society</i> , <b>2011</b> , 32, 2073-2075	1.2	20
49	A Series of 3D Lanthanide Complexes Containing (La(III), Sm(III) and Gd(III)) Metal-organic Frameworks: Synthesis, Structure, Characterization and Their Luminescent Properties. <i>Bulletin of the Korean Chemical Society</i> , <b>2012</b> , 33, 3777-3787	1.2	3
48	Anion Effects on Crystal Structures of Cd(II) Complexes Containing 2,2'-Bipyridine: Photoluminescence and Catalytic Reactivity. <i>Bulletin of the Korean Chemical Society</i> , <b>2012</b> , 33, 1517-1522	1.2	11
47	Experimental and theoretical studies of a pyridylvinyl(benzoate) based coordination polymer structure. <i>CrystEngComm</i> ,	3.3	



46	Sulfate-functionalized metal-organic frameworks supporting Pd nanoparticles for the hydrogenolysis of glycerol to 1,2-propanediol. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 21263-21269	3.6	0
45	Complex supramolecular fiber formed by coordination-induced self-assembly of benzene-1,3,5-tricarboxamide (BTA). <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 608, 1297-1307	9.3	1
44	Two 3D CdII and ZnII Complexes Based on Flexible Dicarboxylate Ligand and Nitrogen-containing Pillar: Synthesis, Structure, and Luminescent Properties. <i>Bulletin of the Korean Chemical Society</i> , <b>2013</b> , 34, 3749-3754	1.2	
43	Nitrogen Ligand-Based Molecular Building Blocks. <b>2017</b> , 207-242		
42	Synthesis, structure and hydrogen sorption properties of a pyrazine-bridged copper(I) nitrate metal-organic framework. <i>European Journal of Chemistry</i> , <b>2019</b> , 10, 195-200	0.6	1
41	Tuning of crystallization method and ligand conformation to give a mononuclear compound or two-dimensional SCO coordination polymer based on a new semi-rigid V-shaped bis-pyridyl bis-amide ligand. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2020</b> , 76, 412-418	0.8	
40	CHAPTER 9: Metal Organic Frameworks: From Material Chemistry to Catalytic Applications. <i>RSC Energy and Environment Series</i> , <b>2020</b> , 235-303	0.6	2
39	Application of MOFs and Their Derived Materials in Batteries. <b>2020</b> , 121-176		
38	Syntheses and structural characterization of manganese and cadmium coordination polymers constructed with bis(4-(1H-imidazol-1-yl)phenyl)methanone and dicarboxylate ligands. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2020</b> , 75, 859-863	1	1
37	A series of microporous and robust Ln-MOFs showing luminescence properties and catalytic performances towards Knoevenagel reactions. <i>Dalton Transactions</i> , <b>2021</b> , 50, 17785-17791	4.3	1
36	Porous Lanthanide Metal-Organic Frameworks Using Pyridine-2,4-dicarboxylic Acid as a Linker: Structure, Gas Adsorption, and Luminescence Studies. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 17810-17823	5.1	2
35	CaO nanoparticles incorporated metal organic framework (NH <sub>2</sub> -MIL-101) for Knoevenagel condensation reaction. <i>Arabian Journal of Chemistry</i> , <b>2021</b> , 103588	5.9	2
34	Simplified creation of polyester fabric supported Fe-based MOFs by an industrialized dyeing process: Conditions optimization, photocatalytic activity and polyvinyl alcohol removal. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 116, 52-67	6.4	0
33	A Neurofilament-Light Chains Electrochemical Immunosensor Expected to Reveal the Early Stage of Neurodegenerative Diseases. <i>SSRN Electronic Journal</i> ,	1	
32	Generation of Strong Basicity in Metal-Organic Frameworks: How Do Coordination Solvents Matter?. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	0
31	Promoting a desired conformational preference of an aromatic amide in various crystals by rational design of intramolecular hydrogen bonding. <i>Inorganica Chimica Acta</i> , <b>2022</b> , 536, 120854	2.7	1
30	Introduction to Metal-Organic Frameworks (MOFs). <b>2022</b> , 3-42		
29	Preparation of CeO <sub>2</sub> /UiO-66-NH Heterojunction and Study on a Photocatalytic Degradation Mechanism. <i>Materials</i> , <b>2022</b> , 15,	3.5	1

28	Designing Sites in Heterogeneous Catalysis: Are We Reaching Selectivities Competitive With Those of Homogeneous Catalysts?. <i>Chemical Reviews</i> , <b>2022</b> ,	68.1	13
27	Catalytic activity of CuI/CuII cyanide based phenanthroline-bicarbonate system for enhancing aerobic oxidation of 2,6-di-tert-butylphenol. <i>Journal of Saudi Chemical Society</i> , <b>2022</b> , 26, 101466	4.3	
26	Monitoring Molecular Microparticles through the Amorphous-to-Crystalline Transformation and Fluorescence Enhancement/Tuning. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 244-253	9.6	0
25	SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF ZINC AND CADMIUM COORDINATION POLYMERS CONSTRUCTED BY 2-PHENYLBUTANEDIOIC ACID AND BIS(4-(1H-IMIDAZOL-1-YL)PHENYL) METHANONE LIGANDS. <i>Journal of Structural Chemistry</i> , <b>2021</b> , 62, S1-S7	0.9	
24	Research on the mechanism and application of rigid and flexible metal-organic frameworks in selective adsorption. <i>Journal of Physics: Conference Series</i> , <b>2022</b> , 2254, 012028	0.3	
23	A neurofilament-light chains electrochemical immunosensor expected to reveal the early stage of neurodegenerative diseases. <i>Chemical Engineering Journal</i> , <b>2022</b> , 136850	14.7	2
22	Shedding Light on the Lewis Acid Catalysis in Organic Transformations Using a Zn-MOF Microflower and Its ZnO Nanorod. <i>Catalysis Letters</i> , 1	2.8	3
21	Knoevenagel condensation reaction in supercritical carbon dioxide medium using a Zn(II) coordination polymer as catalyst. <i>Inorganica Chimica Acta</i> , <b>2022</b> , 538, 120981	2.7	2
20	Synthesis of Mixed Ligand 3D Cobalt MOF: Smart Responsiveness towards Photocatalytic Dye Degradation in Environmental Contaminants. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1265, 133399	3.4	3
19	Practice of function-oriented synthesis: high-efficiency CO <sub>2</sub> conversion and Knoevenagel condensation by two novel In <sup>3+</sup> -based MOFs with high-density active sites under mild conditions.		5
18	Two zinc and cadmium coordination polymers constructed with bis(4-(1H-imidazol-1-yl)phenyl)methanone and naphthalene-1,4-dicarboxylate ligands: synthesis and structural characterization. <b>2022</b> ,		
17	Metal-organic frameworks for detection and adsorptive removal of pesticides. <b>2022</b> , 329-340		0
16	Green synthetic methods in drug discovery and development. <b>2022</b> , 201-279		0
15	A Hybrid Nanocomposite of Coordination Polymer and rGO for Photocatalytic Degradation of Safranin-O Dye Under Visible Light Irradiation.		0
14	Bifunctional Self-Penetrating Co(II)-Based 3D MOF for High-Performance Environmental and Energy Storage Applications.		2
13	Aza-donor ligands: A key to synthesizing mononuclear to coordination polymers of cadmium phosphinates. <b>2023</b> , 1273, 134274		0
12	Ionic Metal-Organic Frameworks (iMOFs): Progress and Prospects as Ionic Functional Materials.		1
11	Metal-Organic Frameworks as Photocatalysts for Solar-Driven Overall Water Splitting.		3

- 10 Synthesis of Yttria-Stabilized Zirconia Nanospheres from Zirconium-Based Metal-Organic Frameworks and the Dielectric Properties. **2023**, 13, 28 ○
- 9 RESEARCH OF COMPLEX FORMATION OF POLYETHYLENIMINE WITH COPPER (II), NICKEL (II), COBALT (II) IONS.. **2022**, 5, 16-23 ○
- 8 Two pillared-layer metal-organic frameworks based on the pinwheel trinuclear carboxylate-clusters of Zn(ii) and Co(ii): synthesis, crystal structures, magnetic study, and Lewis acid catalysis. ○
- 7 Anhydrous copper sulfate-assisted Knoevenagel condensation under neutral conditions. ○
- 6 An ultrastable La-MOF for catalytic hydrogen transfer of furfural: in situ activation of the surface. **2023**, 15, 6645-6654 ○
- 5 A layered metal-organic framework with acidic sites as a heterogeneous catalyst for Knoevenagel condensation. ○
- 4 Thermally activated bipyridyl-based Mn-MOFs with Lewis acid-base bifunctional sites for highly efficient catalytic cycloaddition of CO<sub>2</sub> with epoxides and Knoevenagel condensation reactions. **2023**, 52, 3671-3681 ○
- 3 Amide Functionalized Mesoporous MOF LOCOM-1 as a Stable Highly Active Basic Catalyst for Knoevenagel Condensation Reaction. **2023**, 8, 6638-6649 ○
- 2 Composition States of MOFs. **2023**, 139-153 ○
- 1 Selective Cu and Ni-MOFs as pre-catalysts for the hydrogenation of furfural to furfuryl alcohol. ○