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Selective gas adsorption and unique structural topology of a highly stable guest-free zeolite-type MOF material with N-rich chiral open channels

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#	Paper	IF	Citations
356	3D geometrically frustrated magnets assembled by transition metal ion and 1,2,3-triazole-4,5-dicarboxylate as triangular nodes. <i>CrystEngComm</i> , 2008 , 10, 1770	3.3	61
355	Metal-organic framework with rationally tuned micropores for selective adsorption of water over methanol. <i>Inorganic Chemistry</i> , 2008 , 47, 5543-5	5.1	86
354	Tuning the Dimensionality of the Coordination Polymer Based on Polyoxometalate by Changing the Spacer Length of Ligands. 2008 , 8, 3717-3724		188
353	Nickel(II)-azido ferromagnetic chains in a 3D porous metal-organic framework with breathing guest molecules. <i>Dalton Transactions</i> , 2008 , 5556-9	4.3	41
352	Novel three-dimensional 3d-4f microporous magnets exhibiting selective gas adsorption behavior. 2008 , 6348-50		96
351	Four zinc(II) helical coordination polymers and 78-membered six-node zinc metallacycle assembled from diastereopure N,N'-bis(acetylaceton)cyclohexanediimine. <i>Inorganic Chemistry</i> , 2008 , 47, 10053-61	5.1	15
350	Effect of doped transition metal on reversible hydrogen release/uptake from NaAlH ₄ . <i>Chemistry - A European Journal</i> , 2009 , 15, 1685-95	4.8	31
349	Highly Selective CO ₂ Capture in Flexible 3D Coordination Polymer Networks. 2009 , 121, 6997-7001		53
348	Highly selective CO ₂ capture in flexible 3D coordination polymer networks. 2009 , 48, 6865-9		349
347	Two manganese(II) complexes based on anthracene-9-carboxylate: Syntheses, crystal structures, and magnetic properties. 2009 , 34, 51-60		14
346	Synthesis, structure and magnetic properties of two new coordination polymers with carboxylate-substituted benzoimidazole ligands. 2009 , 52, 1451-1455		9
345	Silver(I) Complexes with a Bulky Anthracene-Based Dicarboxylic Ligand: Syntheses, Crystal Structures, and Luminescent Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 523-529	1.3	18
344	Anion-directed assembly in the formation of a new mixed-ligand metal organic framework. 2009 , 362, 5163-5169		1
343	A novel self-penetrating metal-organic open framework containing unusual triple-stranded molecular braid and septuple helices. <i>Journal of Molecular Structure</i> , 2009 , 936, 264-269	3.4	15
342	3D zinc(II) coordination polymers built up by triazole and benzene-polycarboxylate anions: Synthesis, crystal structure, thermal and photoluminescence characterization. 2009 , 28, 2131-2136		35
341	Entangled zinc-tetrazolate frameworks involving in situ ligand synthesis and topological modulation by various secondary N-donor ligands. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 736-743	3.3	34
340	Metal-organic coordination architectures ofazole heterocycle ligands bearing acetic acid groups: Synthesis, structure and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 2918-2923	3.3	6

339	Selective gas adsorption in a magnesium-based metal-organic framework. 2009 , 5436-8		112
338	Selective gas adsorption and separation in metal-organic frameworks. <i>Chemical Society Reviews</i> , 2009 , 38, 1477-504	58.5	6570
337	Syntheses, characterization, and crystal structures of coordination polymers: $\{NH_4 [Ln(OVA)_4]\}_n$ (Ln=Pr, Nd, Gd, and Ho; OVA=2-hydroxy-3-methoxybenzoate). <i>Journal of Coordination Chemistry</i> , 2009 , 62, 2347-2357	1.6	3
336	ZnII Coordination Polymers Based on 2,3,6,7-Anthracenetetracarboxylic Acid: Synthesis, Structures, and Luminescence Properties. 2009 , 9, 4840-4846		101
335	Tuning the framework topologies of Co(II)-doped Zn(II)-tetrazole-benzoate coordination polymers by ligand modifications: structures and spectral studies. <i>Inorganic Chemistry</i> , 2009 , 48, 3792-9	5.1	89
334	Isomeric zinc(II) triazolate frameworks with 3-connected networks: syntheses, structures, and sorption properties. <i>Inorganic Chemistry</i> , 2009 , 48, 3882-9	5.1	87
333	Alteration of molecular conformations, coordination modes, and architectures for a novel 3,8-diimidazol-1,10-phenanthroline compound in the construction of cadmium(II) and zinc(II) homochiral coordination polymers involving an auxiliary chiral camphorate ligand. <i>Inorganic Chemistry</i> , 2009 , 48, 4295-305	5.1	72
332	Strong hydrogen binding within a 3D microporous metal-organic framework. <i>Inorganic Chemistry</i> , 2009 , 48, 8656-8	5.1	74
331	Synthesis of a metal-organic framework film by direct conversion technique for VOCs sensing. <i>Dalton Transactions</i> , 2009 , 3009-13	4.3	104
330	Structural, luminescent, and magnetic properties of three novel three-dimensional metal-organic frameworks based on hexadentate N,N'-bis(4-picolinoyl)hydrazine. <i>Inorganic Chemistry</i> , 2009 , 48, 7691-7	5.1	24
329	Interweaving of single-helical and equal double-helical chains with the same helical axis in a 3D metal-organic framework. <i>CrystEngComm</i> , 2009 , 11, 1509	3.3	34
328	Coordination polymer based on Cu(II), Co(II) and 4,4'-bipyridine-2,6,2',6'-tetracarboxylate: synthesis, structure and adsorption properties. <i>Dalton Transactions</i> , 2009 , 2802-11	4.3	22
327	Interconversion of two new nickel(II) coordination polymers with different topologies: synthesis, structure and magnetic properties. 2009 , 19, 6827		8
326	Selective gas adsorption in a microporous metal-organic framework constructed of CoII ₄ clusters. 2009 , 2296-8		164
325	Tuning Structures and Properties of Coordination Polymers by the Noncoordinating Backbone of Bridging Ligands. 2009 , 145-170		2
324	Hydro(solvo)thermal synthesis of homochiral metal-camphorate coordination polymers. <i>CrystEngComm</i> , 2010 , 12, 3909	3.3	13
323	Functionalization in flexible porous solids: effects on the pore opening and the host-guest interactions. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1127-36	16.4	384
322	The effect of the conformation of flexible carboxylate ligands on the structures of metal-organic supramolecules. <i>New Journal of Chemistry</i> , 2010 , 34, 2496	3.6	15

321	New microporous materials for acetylene storage and C(2)H(2)/CO(2) separation: insights from molecular simulations. 2010 , 11, 2220-9		94
320	Can metal-organic framework materials play a useful role in large-scale carbon dioxide separations?. 2010 , 3, 879-91		518
319	Hydrogen Adsorption in Polyoxometalate Hybrid Compounds Based on Porous Metal-Organic Frameworks. 2010 , 2010, 3756-3761		38
318	A Microporous Metal-Organic Framework with Immobilized OH Functional Groups within the Pore Surfaces for Selective Gas Sorption. 2010 , 2010, 3745-3749		92
317	Coordination polymers with the chiral ligand N-p-tolylsulfonyl-L-glutamic acid: Influence of metal ions and different bipyridine ligands on structural chirality. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2021-2026	3-3	15
316	Coordination polymers of Cu(II) and Cd(II) with bifunctional chelates of the type dipicolylamino-alkylcarboxylate, (NC ₅ H ₄ CH ₂) ₂ N(CH ₂) _n CO ₂ H (n = 1, 2, 3 and 4). 2010 , 363, 1659-1665		12
315	3D non porous and thermally labile nickel(II) and manganese(II) complexes with hetero donor ligands: Synthesis, X-ray single crystal structure, thermal and luminescent study. 2010 , 363, 1843-1848		9
314	[Co(en) ₃] _{1/3} [In(ox) ₂] _{2/3} ·5H ₂ O: A zeolitic metal-organic framework templated by Co(en) ₃ Cl ₃ . 2010 , 132, 453-457		41
313	Four novel lanthanide(III) coordination polymers with 3D network structures containing 2-fold interpenetration. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 22-25	3-1	5
312	Hydrothermal syntheses, structures and luminescent properties of group IIB metal coordination polymers based on bifunctional 1H-tetrazolate-5-acetic acid ligand. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 250-253	3-1	35
311	A bimetallic oxide framework, [{Cu(bpy)} ₂ Mo ₄ O ₁₀ (O ₃ PCH ₂ C ₆ H ₄ CH ₂ PO ₃) ₂], constructed from novel chains. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 298-301	3-1	14
310	A cadmium(II)- and a nickel(II)-polymer with azide and 1,3-bis(4-pyridyl)propane ligands showing neutral pentanuclear cluster-based 3D MOF and self-interpenetrated 2D undulated layer. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 733-736	3-1	21
309	An Unusual Linear Trinuclear NiII-based MOF with an Unprecedented μ ₃ -N ₁ ,N ₅ :μ ₂ -N ₂ :μ ₂ -N ₆ Binding Mode by 5-(Pyrazinyl)tetrazolate Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 253-257	1-3	14
308	Cadmium(II) Complexes with 2,2'-Dithiodibenzoate Ligand: Syntheses, Crystal Structures, and Emission Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 616-623	1-3	10
307	Self-assembly and Properties of Three Novel Supramolecular Architectures: Dimensional Increase of Cd/Ag 4-Formylbenzoate Complexes Controlled by Hexamethylenetetramine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 2492-2499	1-3	4
306	Metal-Organic Framework Materials. 2010 , 1-67		2
305	Metal-Organic coordination architectures of bis(1,2,4-triazole) ligands bearing different spacers: syntheses, structures and luminescent properties. <i>CrystEngComm</i> , 2010 , 12, 3587	3-3	17
304	A robust highly interpenetrated metal-organic framework constructed from pentanuclear clusters for selective sorption of gas molecules. <i>Inorganic Chemistry</i> , 2010 , 49, 8444-8	5-1	93

303	Syntheses, Structures, and Properties of Honeycomb and Square Grid Coordination Polymers with In Situ Formed 5-(2?-Pyrimidyl)tetrazolate. 2010 , 10, 2908-2915		22
302	Chiral magnetic metal-organic frameworks of Mn(II) with achiral tetrazolate-based ligands by spontaneous resolution. 2010 , 46, 8543-5		130
301	Zeolite-like Metal-Organic Framework Based on a Flexible 2-(1H-benzimidazol-2-ylthio)acetic Ligand: Synthesis, Structures, and Properties. 2010 , 10, 1878-1884		18
300	A New Azido-Nickel Compound with Three-Dimensional Kagom?Topology. 2010 , 10, 2829-2831		32
299	ZnII and HgII Complexes with 2,3-Substituted-5,6-di(1H-tetrazol-5-yl)pyrazine Ligands: Roles of Substituting Groups and Synthetic Conditions on the Formation of Complexes. 2010 , 10, 564-574		20
298	Three-dimensional porous metal-organic frameworks exhibiting metamagnetic behaviors: synthesis, structure, adsorption, and magnetic properties. <i>Inorganic Chemistry</i> , 2010 , 49, 4301-6	5.1	47
297	Synthesis, crystal structure, and photoluminescent properties of ternary Cd(II)/triazolate/chloride system. <i>Inorganic Chemistry</i> , 2010 , 49, 9191-9	5.1	43
296	Adjusting the Porosity and Interpenetration of Cadmium(II) Coordination Polymers by Ligand Modification: Syntheses, Structures, and Adsorption Properties. 2010 , 10, 1138-1144		92
295	Metal-Involved Solvothermal Interconversions of Pyrazinyl Substituted Azole Derivatives: Controllability and Mechanism. 2010 , 10, 5034-5042		36
294	Selective gas adsorption in the flexible metal-organic frameworks Cu(BDTr)L (L=DMF, DEF). <i>Chemistry - A European Journal</i> , 2010 , 16, 5902-8	4.8	107
293	Hydrothermal chemistry of vanadium oxides with aromatic di- and tri-phosphonates in the presence of secondary metal copper(II) cationic complex subunits. <i>CrystEngComm</i> , 2010 , 12, 446-469	3.3	46
292	X-ray absorption spectroscopies: useful tools to understand metallorganic frameworks structure and reactivity. <i>Chemical Society Reviews</i> , 2010 , 39, 4885-927	58.5	112
291	New three-dimensional porous metal organic framework with tetrazole functionalized aromatic carboxylic Acid: synthesis, structure, and gas adsorption properties. <i>Inorganic Chemistry</i> , 2010 , 49, 11581-6	5.1	126
290	Template-directed synthesis of three new open-framework metal(II) oxalates using Co(III) complex as template. <i>CrystEngComm</i> , 2010 , 12, 4198	3.3	54
289	Versatile functionalities in MOFs assembled from the same building units: interplay of structural flexibility, rigidity and regularity. 2010 , 20, 1322-1331		66
288	Eight new complexes based on flexible multicarboxylate ligands: synthesis, structures and properties. <i>CrystEngComm</i> , 2010 , 12, 3183	3.3	10
287	Synthesis, structure and hydrogen adsorption of a novel porous metal-organic framework, Mn9(btt)2(HCOO)12?0.7DMF?0.9H2O, where btt = 1,3,5-benzenetristetrazolate. <i>CrystEngComm</i> , 2010 , 12, 3033	3.3	9
286	Selective gas adsorption within a five-connected porous metal-organic framework. 2010 , 20, 3984		58

285	Diverse Ni(II) MOFs constructed from asymmetric semi-rigid V-shaped multicarboxylate ligands: structures and magnetic properties. <i>CrystEngComm</i> , 2010 , 12, 1096-1102	3-3	73
284	Synthesis, Crystal Structures, and Luminescence and Magnetic Properties of 3D Chiral and Achiral Lanthanide Diphosphonates Containing Left- and Right-Handed Helical Chains. 2011 , 11, 5346-5354		51
283	Solvothermal synthesis, structures and physical properties of four new complexes constructed from multi-variant tricarboxylate ligand and pyridyl-based ligands. <i>CrystEngComm</i> , 2011 , 13, 459-466	3-3	47
282	Homochiral transition-metal camphorate coordination architectures containing piperazine-pyridine ligands. <i>CrystEngComm</i> , 2011 , 13, 2062	3-3	26
281	A three-dimensional microporous metal-organic framework with large hydrogen sorption hysteresis. 2011 , 47, 1204-6		62
280	Self-adaptation of a conformationally flexible yet restricted piperazine-pyrazine building block toward the design of coordination polymers. <i>CrystEngComm</i> , 2011 , 13, 2960	3-3	7
279	High capacity CO ₂ adsorption in a Mg(II)-based phosphine oxide coordination material. 2011 , 47, 4899-901		47
278	A porous chiral In-MOF with anionic-type diamond network: synthesis, structure and nitrogen gas adsorption. <i>CrystEngComm</i> , 2011 , 13, 4005	3-3	22
277	A flexible copper based microporous metal-organic framework displaying selective adsorption of hydrogen over nitrogen. <i>Dalton Transactions</i> , 2011 , 40, 3398-401	4-3	19
276	Solvochromic and photodimerization behaviour of 1D coordination polymer via single-crystal-to-single-crystal transformation. 2011 , 47, 9384-6		47
275	A route to functionalised pores in coordination polymers via mixed phosphonate and amino-triazole linkers. <i>Supramolecular Chemistry</i> , 2011 , 23, 278-282	1-8	11
274	Strong Effects of Higher-Valent Cations on the Structure of the Zeolitic Zn(2-methylimidazole) ₂ Framework (ZIF-8). <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7967-7971	3-8	48
273	Alkali-Metal-Templated Assemblies of New 3D Lead(II) Tetrachloroterephthalate Coordination Frameworks. 2011 , 11, 4190-4197		54
272	Rational construction of 3D pillared metal-organic frameworks: synthesis, structures, and hydrogen adsorption properties. <i>Inorganic Chemistry</i> , 2011 , 50, 7555-62	5-1	104
271	Separation and Purification of Gases by MOFs. 2011 , 69-97		4
270	Two yttrium(III) coordination compounds containing a ³ -ptz or atza [a ³ -ptz = 5-[N-acetato(3-pyridyl)]tetrazole; atza = 5-aminotetrazole-1-acetato]. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 431-439	1-6	15
269	The diverse structures of Cd(II) coordination polymers with 1,3,5-benzenetricarboxate tuned by organic bases. <i>CrystEngComm</i> , 2011 , 13, 5825	3-3	24
268	Fluorine-Induced Chiral Coordination Arrays Containing Helical Hydrogen-Bonding Chains of Water or Fluorinated Ligand. 2011 , 11, 5171-5175		32

267	Microporous metal-organic frameworks for acetylene storage and separation. <i>CrystEngComm</i> , 2011 , 13, 5983	3.3	146
266	A Series of Lanthanide Secondary Building Units Based Metal-Organic Frameworks Constructed by Organic Pyridine-2,6-Dicarboxylate and Inorganic Sulfate. 2011 , 11, 337-346		88
265	Recent Developments in Crystal Engineering. 2011 , 11, 875-886		165
264	Microporous Metal-Organic Framework Based on Supermolecular Building Blocks (SBBs): Structure Analysis and Selective Gas Adsorption Properties. 2011 , 11, 2050-2053		64
263	Syntheses, Structures, Photoluminescence, and Gas Adsorption of Rare Earth-Organic Frameworks Based on a Flexible Tricarboxylate. 2011 , 11, 5469-5474		41
262	Helical water chain mediated proton conductivity in homochiral metal-organic frameworks with unprecedented zeolitic unh-topology. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17950-8	16.4	326
261	Zinc(II) complexes with a versatile multitopic tetrazolate-based ligand showing various structures: impact of reaction conditions on the final product structures. <i>Inorganic Chemistry</i> , 2011 , 50, 10994-1003	5.1	44
260	Effect of Lanthanide Contraction on Crystal Structures of Three-Dimensional Lanthanide Based Metal-Organic Frameworks with Thiophene-2,5-Dicarboxylate and Oxalate. 2011 , 11, 2294-2301		104
259	A new approach to construct a doubly interpenetrated microporous metal-organic framework of primitive cubic net for highly selective sorption of small hydrocarbon molecules. <i>Chemistry - A European Journal</i> , 2011 , 17, 7817-22	4.8	127
258	Structure, adsorption and magnetic properties of chiral metal-organic frameworks bearing linear trinuclear secondary building blocks. <i>Dalton Transactions</i> , 2011 , 40, 1911-8	4.3	42
257	A sixfold interpenetrated microporous MOF constructed from heterometallic tetranuclear cluster exhibiting selective gas adsorption. <i>Dalton Transactions</i> , 2011 , 40, 10319-21	4.3	27
256	Syntheses, structural characterization and properties of transition metal complexes of 5,5'-(1,4-phenylene)bis(1H-tetrazole) (H(2)bdt), 5',5''-(1,1'-biphenyl)-4,4'-diylbis(1H-tetrazole) (H(2)dbdt) and 5,5',5''-(1,3,5-phenylene)tris(1H-tetrazole) (H(3)bt). <i>Dalton Transactions</i> , 2011 , 40, 12288-300	4.3	39
255	Syntheses and Structural Characterization of Three New Alkaline Earth Metal Supramolecular Coordination Compounds Based on Atza Ligand (Atza = 5-Aminotetrazole-1-Acetato Anion). 2011 , 41, 1483-1489		11
254	Three interpenetrated copper(II) coordination polymers based on a V-shaped ligand: Synthesis, structures, sorption and magnetic properties. 2011 , 54, 1446-1453		11
253	A lvt-type Framework [Cu ₂ (tza) ₄][ClO ₄] ₄ ·4H ₂ O Derived from 1H-tetrazole-1-acetic Acid. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 755-758	1.3	6
252	Two Lanthanide-Organic Frameworks Derived from 1H-Benzimidazole-5-Carboxylic Acid and Oxalate Mixed Ligands: Synthesis, Structure and Luminescence Property. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 2278-2281	1.3	3
251	Synthesis, Crystal Structures, and Spectral Properties of Three Complexes with a Tetrazole-based Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 2265-2272	1.3	5
250	Water Adsorption Characteristics of MIL-101 for Heat-Transformation Applications of MOFs. 2011 , 2011, 471-474		240

249	In Situ Tetrazole Ligand Synthesis of Two-Fold Interpenetrating Zinc Coordination Frameworks. 2011 , 2011, 3446-3453		24
248	Rational design of zinc-organic coordination polymers directed by N-donor co-ligands. <i>Chemistry - A European Journal</i> , 2011 , 17, 8630-42	4.8	56
247	A new two-fold interpenetrating POM-based structure modified by CdII and flexible bis(triazole) ligand. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 118-121	3.1	15
246	A new 3D metal-organic framework with (4, 8)-connected AlB2 topology constructed from coordinated evolution of a C3 symmetry ligand. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 1532-1536 ^{3.1}		15
245	Triazoles and tetrazoles: Prime ligands to generate remarkable coordination materials. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 485-546	23.2	764
244	Carbon dioxide capture-related gas adsorption and separation in metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 1791-1823	23.2	1614
243	Coordination architectures and luminescent properties of 5-(pyrimidyl)tetrazolate (Hpmtz) with group 2 metal ions. <i>Journal of Coordination Chemistry</i> , 2012 , 65, 2657-2670	1.6	5
242	Tetra-kis(dimethyl-ammonium) trans-di-chloridobis[5,5'-(pyrazine-2,3-diyl)bis(1H-tetra-zol-1-ido- κ (1))]copper(II). 2012 , 68, m1234		
241	Synthesis and Crystal Structures of a Lanthanum(III) 1D Polymer and a Mixed-Ligand Cerium(III) Binuclear Complex Derived from Pyridine-2,6-dicarboxylic Acid. 2012 , 22, 1165-1173		14
240	ZnII/CdII-coordination polymers from 1D chain, 2D layer to 3D framework with imidazole-based dicarboxylate ligand. 2012 , 384, 260-265		9
239	Single crystal to single crystal transition in (10, 3)-d framework with pyrazine-2-carboxylate ligand: Synthesis, structures and magnetism. <i>Journal of Solid State Chemistry</i> , 2012 , 196, 52-57	3.3	5
238	Variations of structures and gas sorption properties of three coordination polymers induced by fluorine atom positions in azamacrocyclic ligands. <i>Inorganic Chemistry</i> , 2012 , 51, 1874-80	5.1	26
237	A terbium(III)-organic framework for highly selective sensing of cytidine triphosphate. 2012 , 137, 5190-2		18
236	In situ formation of new organic ligands to construct two novel self-charge-transfer Pb(II)-based frameworks. <i>CrystEngComm</i> , 2012 , 14, 75-78	3.3	22
235	A pair of 3D homochiral metal-organic frameworks: spontaneous resolution, single-crystal-to-single-crystal transformation and selective adsorption properties. <i>Dalton Transactions</i> , 2012 , 41, 1786-91	4.3	40
234	Dynamic porous coordination polymer based on 2D stacked layers exhibiting high sorption selectivity for CO ₂ . <i>Dalton Transactions</i> , 2012 , 41, 3209-13	4.3	24
233	New chiral coordination polymers constructed from well elaborated achiral and chiral ligands. <i>RSC Advances</i> , 2012 , 2, 4348	3.7	13
232	Quantum Sieving in Metal-Organic Frameworks: A Computational Study. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 434-442	3.9	29

231	Temperature-controlled chiral and achiral copper tetrazolate metal-organic frameworks: syntheses, structures, and CO ₂ adsorption. <i>Inorganic Chemistry</i> , 2012 , 51, 2303-10	5.1	78
230	Unconventional, highly selective CO ₂ adsorption in zeolite SSZ-13. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1970-3	16.4	300
229	Role of Temperature on Framework Dimensionality: Supramolecular Isomers of Zn ₃ (RCOO) ₈ Based Metal Organic Frameworks. 2012 , 12, 572-576		74
228	Synthesis, structure, and photoluminescence of Zn(II) and Cd(II) coordination complexes constructed by structurally related 5,6-substituted pyrazine-2,3-dicarboxylate ligands. 2012 , 14, 1117-1125		15
227	Progress in adsorption-based CO ₂ capture by metal-organic frameworks. <i>Chemical Society Reviews</i> , 2012 , 41, 2308-22	58.5	1080
226	A zeolite-like zinc triazolate framework with high gas adsorption and separation performance. <i>Inorganic Chemistry</i> , 2012 , 51, 9950-5	5.1	124
225	A homochiral metal-organic framework membrane for enantioselective separation. 2012 , 48, 7022-4		116
224	Crystal structures, fluorescent and magnetic properties of five new coordination polymers based on biphenyl-3,4',5'-tricarboxylic acid. <i>Journal of Solid State Chemistry</i> , 2012 , 192, 144-152	3.3	13
223	Synthesis and characterization of cobalt(III) cyanide complexes: cobalt participation in the decomposition of radical anion of TCNQ. <i>CrystEngComm</i> , 2012 , 14, 8708	3.3	2
222	Exceptional crystallization diversity and solid-state conversions of Cd(II) coordination frameworks with 5-bromonicotinate directed by solvent media. <i>Chemistry - A European Journal</i> , 2012 , 18, 12437-45	4.8	57
221	Metal-organic frameworks and related materials for hydrogen purification: Interplay of pore size and pore wall polarity. <i>RSC Advances</i> , 2012 , 2, 4382	3.7	35
220	Selective CO ₂ adsorption in a robust and water-stable porous coordination polymer with new network topology. <i>Inorganic Chemistry</i> , 2012 , 51, 572-6	5.1	91
219	Pore size-controlled gases and alcohols separation within ultramicroporous homochiral lanthanide-organic frameworks. 2012 , 22, 7813		48
218	Novel tetrazole-based metal-organic frameworks constructed from in situ synthesized bifunctional ligands: syntheses, structure and luminescent properties. <i>CrystEngComm</i> , 2012 , 14, 890-898	3.3	36
217	Selective CO ₂ Capture from Flue Gas Using Metal-Organic Frameworks: A Fixed Bed Study. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9575-9581	3.8	161
216	Multipoint interactions enhanced CO ₂ uptake: a zeolite-like zinc-tetrazole framework with 24-nuclear zinc cages. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18892-5	16.4	205
215	Triple framework interpenetration and immobilization of open metal sites within a microporous mixed metal-organic framework for highly selective gas adsorption. <i>Inorganic Chemistry</i> , 2012 , 51, 4947-53	5.1	74
214	Assembly of Chiral/Achiral Coordination Polymers Based on 2-(Pyridine-3-yl)-1H-4,5-imidazolecarboxylic Acid: Chirality Transfer between Chiral Two-Dimensional Networks Containing Helical Chains. 2012 , 12, 2355-2361		54

213	New homochiral ferroelectric supramolecular networks of complexes constructed by chiral S-naproxen ligand. <i>CrystEngComm</i> , 2012 , 14, 3802	3-3	26
212	Construction of two Novel 2D Coordination Frameworks with the Ligand H3nbtc: Synthesis, Crystal Structures, and Luminescence. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 832-837	1-3	11
211	Hydrothermal Synthesis of Five New Coordination Polymers Based on Benzophenone-2, 4?-dicarboxylic Acid and N-Donor Spacers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 1512-1518	1-3	15
210	Axially chiral metal-organic frameworks produced from spontaneous resolution with an achiral pyridyl dicarboxylate ligand. <i>CrystEngComm</i> , 2012 , 14, 63-66	3-3	48
209	Current Status of Metal-Organic Framework Membranes for Gas Separations: Promises and Challenges. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 2179-2199	3-9	405
208	Metal-organic frameworks for separations. 2012 , 112, 869-932		5033
207	Metal-organic frameworks in biomedicine. 2012 , 112, 1232-68		3131
206	Two ligand-functionalized Pb(II) metal-organic frameworks: structures and catalytic performances. <i>Dalton Transactions</i> , 2012 , 41, 10422-9	4-3	74
205	Temperature-Dependent Structures of Lanthanide Metal-Organic Frameworks Based on Furan-2,5-Dicarboxylate and Oxalate. 2012 , 12, 3263-3270		73
204	Design and Synthesis of Mixed Valent Coordination Networks Containing Pyridine Appended Terpyridyl, Halide, and Dicarboxylates. 2012 , 12, 4264-4274		21
203	A robust microporous metal-organic framework constructed from a flexible organic linker for highly selective sorption of methanol over ethanol and water. 2012 , 22, 10352		18
202	Commensurate adsorption of hydrocarbons and alcohols in microporous metal organic frameworks. 2012 , 112, 836-68		929
201	Metal azolate frameworks: from crystal engineering to functional materials. 2012 , 112, 1001-33		1337
200	Tuning the Formations of Metal-Organic Frameworks by Modification of Ratio of Reactant, Acidity of Reaction System, and Use of a Secondary Ligand. 2012 , 12, 281-288		72
199	An unprecedented (4,10)-connected porous metal-organic framework containing two rare large secondary building units (SBUs). <i>CrystEngComm</i> , 2012 , 14, 1538	3-3	14
198	Presynthesized and In-Situ Generated Tetrazolate Ligand in the Design of Chiral Cadmium Coordination Polymer. 2012 , 12, 3825-3828		15
197	A novel Zr^{IV} interpenetrating network with pseudo-double-wall pcu lattices based on the homoleptic nickel(II) node. <i>Inorganic Chemistry Communication</i> , 2012 , 17, 95-98	3-1	7
196	Synthesis, structure and properties of a metal-organic complex built up from ferrous sulfate chains and 2,2'-bipyridyl-5,5'-dicarboxylic acid ligands. <i>Inorganic Chemistry Communication</i> , 2012 , 20, 277-281	3-1	10

195	A set of new transition metal-based coordination complexes dependent upon Hpztza ligand (Hpztza=2-(5-(pyrazin-2-yl)-2H-tetrazol-2-yl) acetic acid). <i>Journal of Solid State Chemistry</i> , 2012 , 186, 124-133	3.3	28
194	Effect of pore structures on selective gas sorption behavior of ultramicroporous MOFs. 2012 , 150, 32-37		11
193	Anions behaviors for the dimensionalities of coordination polymers based on poly(imidazole) ligands. <i>Journal of Molecular Structure</i> , 2012 , 1011, 134-139	3-4	7
192	Structural diversity of homochiral cadmium-camphorates with 2,2'-bipyridine. 2012 , 14, 1055-1059		4
191	Catalyst-free synthesis of N-rich heterocycles via multi-component reactions. 2012 , 68, 3351-3356		18
190	A microporous metal-organic framework for highly selective separation of acetylene, ethylene, and ethane from methane at room temperature. <i>Chemistry - A European Journal</i> , 2012 , 18, 613-9	4.8	188
189	Spontaneous Resolution upon Crystallization of 3D, Chiral Inorganic Networks Assembled from Achiral, Polyoxometallate Units and Metal Ions. 2013 , 13, 3996-4001		17
188	A series of 3D lanthanide frameworks constructed from aromatic multi-carboxylate ligand: structural diversity, luminescence and magnetic properties. <i>Dalton Transactions</i> , 2013 , 42, 10292-303	4-3	139
187	A Series of Coordination Polymers Exhibiting Dual Chiral Features and Diverse Interhelical Interactions. 2013 , 13, 3389-3395		16
186	Adsorption of Benzene in the Cation-Containing MOFs MIL-141. <i>Journal of Physical Chemistry C</i> , 2013 , 130913101409004	3.8	2
185	Construction of diverse CdII/ZnII coordination polymers based on 5-(quinolyl)tetrazolate generated via in situ hydrothermal synthesis. <i>CrystEngComm</i> , 2013 , 15, 1352	3-3	31
184	[Co(NH3)6]2[Cd8(C2O4)11(H2O)4]·8H2O: A 5-connected sqp topological metal-organic framework co-templated by Co(NH3)6 ³⁺ cation and (H2O)4 cluster. <i>Chinese Chemical Letters</i> , 2013 , 24, 861-865	8.1	4
183	Syntheses, structures, and fluorescent properties of two new Zn(II) coordination polymers containing 2-((benzoimidazol-yl)methyl)-1H-tetrazole. <i>Journal of Coordination Chemistry</i> , 2013 , 66, 139-151	1.6	13
182	Synthesis, Crystal Structure and Magnetic Characterization of a Series of CuII/III Heterometallic [Ln = La, Ce, Pr, Nd and Sm) Metal-Organic Compounds with an Unusual Single Crystal to Single Crystal Phase Transition. 2013 , 13, 4735-4745		16
181	Five new Mn(II)/Co(II) coordination polymers constructed from flexible multicarboxylate ligands with varying magnetic properties. <i>Journal of Solid State Chemistry</i> , 2013 , 204, 197-204	3-3	9
180	New Structural Topologies in a Series of 3d Metal Complexes with Isomeric Phenylenediacetates and 1,3,5-Tris(1-imidazolyl)benzene Ligand: Syntheses, Structures, and Magnetic and Luminescence Properties. 2013 , 13, 5335-5343		61
179	Hydrothermal synthesis and structures of materials of the M(II)/tetrazole/sulfate family (M(II)=Co, Ni; tetrazole=3- and 4-pyridyltetrazole and pyrazinetetrazole). 2013 , 58, 18-29		19
178	Highly selective recognition of adenosine 5'-triphosphate against other nucleosides triphosphate with a luminescent metal-organic framework of [Zn(BDC)(H2O)2]n (BDC = 1,4-benzenedicarboxylate). 2013 , 56, 1651-1657		6

177	Seven-, eight-, and ten-coordinated cerium(III) with highly connective pyridine-2,4,6-tricarboxylate, oxalate, and glycine ligands. <i>Journal of Coordination Chemistry</i> , 2013 , 66, 3113-3125	1.6	6
176	A 4 + 4 strategy for synthesis of zeolitic metal-organic frameworks: an indium-MOF with SOD topology as a light-harvesting antenna. 2013 , 49, 11155-7		89
175	Tuning the formation of MOFs by pH influence: X-ray structural variations and Hirshfeld surface analyses of 2-amino-5-nitropyridine with cadmium chloride. <i>CrystEngComm</i> , 2013 , 15, 1772	3.3	172
174	A magnesium-based multifunctional metal-organic framework: synthesis, thermally induced structural variation, selective gas adsorption, photoluminescence and heterogeneous catalytic study. <i>Dalton Transactions</i> , 2013 , 42, 13912-22	4.3	38
173	In situ hydrothermal syntheses of five new cadmium(II) coordination polymers based on 3-(1H-tetrazol-5-yl)benzoate ligand. <i>CrystEngComm</i> , 2013 , 15, 365-375	3.3	16
172	Edge-directed assembly of a 3D 2pbd heterometallic metal-organic framework based on a cubic Co8(TzDC)12 cage. <i>CrystEngComm</i> , 2013 , 15, 9344	3.3	15
171	Understanding the Adsorption Mechanism of C2H2, CO2, and CH4 in Isostructural Metal-Organic Frameworks with Coordinatively Unsaturated Metal Sites. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2824-2834	3.8	72
170	Self-assembly of tetrabromoterephthalic acid with different metal system: Diversity in dimensionalities, structures and gas adsorption. 2013 , 52, 553-559		4
169	3-(2-Pyrazyl)-[1,2,4]triazolo[4,3-a]pyridine: A versatile ligand: Ambidenticity and coordination isomerism in mono- and polynuclear 3d transition metal complexes. 2013 , 52, 500-514		8
168	Dzyaloshinski-Moriya (DM) oriented weak ferromagnets in isomorphous coordination architectures constructed by flexible 1,2,4-triazole-1-acetate ligands with the assistance of halogen or pseudohalogen anions. <i>Inorganic Chemistry Communication</i> , 2013 , 35, 290-294	3.1	3
167	A tetrazolate-based coordination complex with novel 3D structure and catalytic property. <i>Inorganic Chemistry Communication</i> , 2013 , 33, 158-160	3.1	8
166	A novel CuII-zido-pyrazine framework with 3D-42.63.8-topology: Crystal structure and magnetic property. 2013 , 404, 188-191		15
165	Assembly of four new supramolecular compounds based on Keggin phosphomolybdate and different organocations. 2013 , 400, 59-66		16
164	Assembly of organic-inorganic hybrid supramolecular materials based on basketlike {M?P6Mo18O73} (M = Ca, Sr, Ba) cage and transition-metal complex. <i>Inorganic Chemistry</i> , 2013 , 52, 485-98 ¹		35
163	Three-dimensional homochiral manganese-lanthanide frameworks based on chiral camphorates with multi-coordination modes. 2013 , 49, 2243-5		43
162	Coordination Assembly of ZnII/CdII Terephthalate with Bis-Pyridinecarboxamide Tectons: Establishing Net Entanglements from [3 + 3] Interpenetration to High-Connected Self-Penetration. 2013 , 13, 996-1001		34
161	Microporous organic polymers for gas storage and separation applications. 2013 , 15, 5430-42		158
160	A β-OH-bridged two-dimensional zinc(II) coordination polymer based on an anthryl ligand: Synthesis, characterization and luminescent properties. <i>Chinese Chemical Letters</i> , 2013 , 24, 270-272	8.1	3

159	Synthesis, structure, and H ₂ /CO ₂ adsorption in a three-dimensional 4-connected triorganotin coordination polymer with a lvt [corrected] topology. <i>Inorganic Chemistry</i> , 2013 , 52, 3579-81	5.1	33
158	Three series of MOFs featuring various metal(II)-carboxylate chains cross-linked by dipyrindyl-typed coligands: synthesis, structure, and solvent-dependent luminescence. <i>CrystEngComm</i> , 2013 , 15, 4571	3.3	48
157	Nanotechnology for Carbon Dioxide Capture. 2013 , 517-559		
156	In vitro controlled release of theophylline from metal-drug complexes. 2013 , 1, 3879-3882		28
155	A Solid-Solution Approach to Mixed-Metal Metal-Organic Frameworks: Detailed Characterization of Local Structures, Defects and Breathing Behaviour of Al/V Frameworks. 2013 , 2013, 4546-4557		64
154	Coordination polymers of tetrazole-yl acylamide with octahedrally coordinated divalent transition metals: the effects of metal centers and side-groups on the structural topologies and symmetries. <i>CrystEngComm</i> , 2013 , 15, 4830	3.3	9
153	Crystal Structures and Luminescent Properties of Two Zinc(II) Coordination Compounds with a Diketonate Derivative Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 1850-1854	1.3	1
152	MOFs for CO ₂ capture and separation from flue gas mixtures: the effect of multifunctional sites on their adsorption capacity and selectivity. 2013 , 49, 653-61		514
151	Synthesis, crystal structure, and properties of three supramolecular compounds based on Keggin-type phosphomolybdate and different flexible ligands. <i>Journal of Coordination Chemistry</i> , 2013 , 66, 3531-3543	1.6	2
150	Recent Advances as Materials of Functional Metal-Organic Frameworks. 2013 , 2013, 1-11		12
149	Synthesis, Structures, Electrochemical Analysis, and Luminescence Properties of Four Supramolecular Complexes Based on Quinoline-2-carboxylic Acid. 2014 , 44, 848-858		3
148	Coordination Architectures of Manganese Complexes based on the Ligand 3-Pytza or Mixed Ligands [3-Pytza = 5-(3-Pyridyl)tetrazole-2-acetato]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 2566-2570	1.3	7
147	pH and ligand dependent assembly of Well-Dawson arsenomolybdate capped architectures. <i>Inorganic Chemistry</i> , 2014 , 53, 12337-47	5.1	35
146	Metal-Organic Frameworks: Harmful Gas Removal. 2014 , 1-18		1
145	Stitching 2D polymeric layers into flexible interpenetrated metal-organic frameworks within single crystals. 2014 , 53, 4628-32		53
144	Entangled structures in polyoxometalate-based coordination polymers. <i>Coordination Chemistry Reviews</i> , 2014 , 279, 141-160	23.2	86
143	Porous M(II)/pyrimidine-4,6-dicarboxylate neutral frameworks: synthetic influence on the adsorption capacity and evaluation of CO ₂ -adsorbent interactions. <i>Chemistry - A European Journal</i> , 2014 , 20, 1554-68	4.8	21
142	A series of rare earth complexes with novel non-interpenetrating 3D networks: synthesis, structures, magnetic and optical properties. <i>Dalton Transactions</i> , 2014 , 43, 5793-800	4.3	37

141	Three Zinc(II) Coordination Polymers Based on Tetrakis(4-pyridyl)cyclobutane and Naphthalenedicarboxylate Linkers: Solvothermal Syntheses, Structures, and Photocatalytic Properties. 2014 , 14, 240-248			124
140	Metal-organic frameworks built from achiral 3-(5-(pyridin-4-yl)-4H-1,2,4-triazol-3-yl)benzoic acid: syntheses and structures of metal(II) complexes. <i>Dalton Transactions</i> , 2014 , 43, 145-51	4-3		8
139	Porous coordination polymers based on azamacrocyclic complex: syntheses, solvent-induced reversible crystal-to-crystal transformation and gas sorption properties. <i>CrystEngComm</i> , 2014 , 16, 805-813	3-3		22
138	Zeolitic imidazolate frameworks: next-generation materials for energy-efficient gas separations. 2014 , 7, 3202-40			204
137	Mixed azide and substituted 1,2,4-triazole co-ligand bridged 1D chain cadmium(II) motif: crystal structure, Hirshfeld surfaces and spectroscopic studies. <i>RSC Advances</i> , 2014 , 4, 11698	3-7		10
136	An unprecedented Co(II) cuboctahedron as the secondary building unit in a Co-based metal-organic framework. 2014 , 50, 5333-5			39
135	An organic-inorganic hybrid semiconductor material based on Lindqvist polyoxomolybdate and a tetra-nuclear copper complex containing two different ligands. <i>Dalton Transactions</i> , 2014 , 43, 6744-51	4-3		35
134	Variation of CO ₂ adsorption in isostructural Cd(II)/Co(II) based MOFs by anion modulation. <i>CrystEngComm</i> , 2014 , 16, 5012	3-3		29
133	Zinc(II) and cadmium(II) metal-organic frameworks with 4-imidazole containing tripodal ligand: sorption and anion exchange properties. <i>Dalton Transactions</i> , 2014 , 43, 6012-20	4-3		44
132	Novel coordination polymers of Zn(II) and Cd(II) tuned by different aromatic polycarboxylates: synthesis, structures and photocatalytic properties. <i>CrystEngComm</i> , 2014 , 16, 6408-6416	3-3		70
131	Two unusual organic/inorganic hybrid 3-D frameworks based on Keggin-type heteropoly blue anion-chains, 40-membered macrocycles, and sodium linker units. <i>CrystEngComm</i> , 2014 , 16, 8449	3-3		19
130	Experimental Studies and Mechanism Analysis of High-Sensitivity Luminescent Sensing of Pollutational Small Molecules and Ions in Ln ₄ O ₄ Cluster Based Microporous Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 416-426	3-8		276
129	Microwave-assisted synthesis of 1-aryl-5-(trifluoromethyl)-1H-tetrazoles. 2014 , 166, 84-87			10
128	A luminescent metal-organic framework demonstrating ideal detection ability for nitroaromatic explosives. 2014 , 2, 1465-1470			365
127	Architectural alterations from 1D to 3D coordination polymers based on a pair of isomeric linear and V-shaped triazole/thiophene/triazole bridging ligands. 2014 , 83, 205-211			3
126	Construction of three new mixed-ligand Zn(II) coordination polymers based on nitrogen-containing heterotopic ligands and carboxylate co-ligands. <i>Inorganic Chemistry Communication</i> , 2014 , 47, 112-118	3-1		12
125	High performance gas adsorption and separation of natural gas in two microporous metal-organic frameworks with ternary building units. 2014 , 50, 8648-50			89
124	Structural diversity of transition-metal coordination polymers derived from isophthalic acid and bent bis(imidazole) ligands. 2014 , 39, 741-753			17

123	Obtaining chiral metal-organic frameworks via a prochirality synthetic strategy with achiral ligands step-by-step. <i>Inorganic Chemistry</i> , 2014 , 53, 3434-40	5.1	17
122	Synthesis and Crystal Structure of Three Alkaline Earth Coordination Compounds Based on 1,2,5-Thiadiazole-3,4-Dicarboxylic Acid Ligand. 2014 , 44, 443-449		1
121	CO(2) selective 1D double chain dipyriddy-porphyrin based porous coordination polymers. <i>Dalton Transactions</i> , 2014 , 43, 5680-6	4.3	16
120	Amide functionalized microporous organic polymer (Am-MOP) for selective CO ₂ sorption and catalysis. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4630-7	9.5	106
119	Targeted structure modulation of "pillar-layered" metal-organic frameworks for CO ₂ capture. <i>Inorganic Chemistry</i> , 2014 , 53, 8985-90	5.1	76
118	A new microporous metal-organic framework with open metal sites and exposed carboxylic acid groups for selective separation of CO ₂ /CH ₄ and C ₂ H ₂ /CH ₄ . <i>RSC Advances</i> , 2014 , 4, 36419	3.7	34
117	Computer-Assisted Synthesis Optimisation of Inorganic-Organic Hybrid Compounds Using the Local Optimisation Algorithm BOBYQA. 2014 , 79, 863-871		5
116	Series of solvent-induced single-crystal to single-crystal transformations with different sizes of solvent molecules. <i>Inorganic Chemistry</i> , 2014 , 53, 7527-33	5.1	45
115	Ionothermal synthesis, crystal structures and magnetic properties of two nickel(II) coordination polymers based on tetrazole-1-acetic acid. <i>Inorganic Chemistry Communication</i> , 2014 , 46, 207-211	3.1	10
114	Crystal Structures and Properties of Cd(II) Coordination Polymers Supported by a New Chiral Aromatic Polycarboxylate Ligand. 2014 , 14, 1827-1838		66
113	Synthesis, structure and magnetic properties of manganese(II) coordination polymer with azido and zwitterionic dicarboxylate ligand. <i>Chinese Chemical Letters</i> , 2014 , 25, 854-858	8.1	14
112	Assembly of three organic-inorganic hybrid supramolecular materials based on reduced molybdenum(V) phosphates. <i>Journal of Solid State Chemistry</i> , 2014 , 217, 22-30	3.3	16
111	Recent Advances in Porous Coordination Polymers. 2014 , 1-44		
110	Stitching 2D Polymeric Layers into Flexible Interpenetrated Metal-Organic Frameworks within Single Crystals. 2014 , 126, 4716-4720		4
109	Post-Combustion Carbon Capture. 2015 , 1-30		2
108	Azide Chemistry [An Inorganic Perspective, Part II] [3+2]-Cycloaddition Reactions of Metal Azides and Related Systems. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 1599-1678	1.3	58
107	Construction of Three Coordination Compounds Formed by in-situ Ligand Reaction of 1-Cyanobenzoimidazole. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 842-847	1.3	1
106	An Ideal Detector Composed of Two-Dimensional Cd(II)-Triazole Frameworks for Nitro-Compound Explosives and Potassium Dichromate. <i>Chemistry - A European Journal</i> , 2015 , 21, 14171-8	4.8	34

105	Solvent-dependent zinc(II) coordination polymers with mixed ligands: selective sorption and fluorescence sensing. <i>Dalton Transactions</i> , 2015 , 44, 11524-32	4.3	81
104	Metal/metal oxide nanostructures derived from metal-organic frameworks. <i>RSC Advances</i> , 2015 , 5, 7267-7279	3.7	86
103	Modulated preparation and structural diversification of metal-organic frameworks based on 4,4',4''-(1H-imidazole-2,4,5-triyl)tripyrindine ligand. 2015 , 427, 240-247		4
102	Immobilization of Ag(I) into a metal-organic framework with -SO ₃ H sites for highly selective olefin-paraffin separation at room temperature. 2015 , 51, 2859-62		136
101	Tuning fluorocarbon adsorption in new isoreticular porous coordination frameworks for heat transformation applications. 2015 , 6, 2516-2521		44
100	Dual-functionalized metal-organic frameworks constructed from hexatopic ligand for selective CO ₂ adsorption. <i>Inorganic Chemistry</i> , 2015 , 54, 2310-4	5.1	29
99	1,4-Bis(imidazole)butane ligand and strontium(II) directed 1-D chains based on basket-type molybdophosphates and transition metal (TM) linkers. <i>CrystEngComm</i> , 2015 , 17, 6110-6119	3.3	14
98	Multifunctional metal-organic frameworks: from academia to industrial applications. <i>Chemical Society Reviews</i> , 2015 , 44, 6774-803	58.5	618
97	The effect of metal ions on photocatalytic performance based on an isostructural framework. <i>Dalton Transactions</i> , 2015 , 44, 12832-8	4.3	29
96	Assembly of a basket-like {Sr ? P ₆ Mo ₁₈ O ₇₃ } cage from 0D dimer to 2D network and its photo-/electro-catalytic properties. <i>Dalton Transactions</i> , 2015 , 44, 12839-51	4.3	22
95	Flexible metal-organic framework compounds: In situ studies for selective CO ₂ capture. 2015 , 647, 24-34		19
94	Organic-Inorganic Hybrid Materials Based on Basket-like {Ca ? P ₆ Mo ₁₈ O ₇₃ } Cages. <i>Inorganic Chemistry</i> , 2015 , 54, 6744-57	5.1	37
93	Assembly of encapsulated water in hybrid bisamides: helical and zigzag water chains. <i>CrystEngComm</i> , 2015 , 17, 1569-1575	3.3	6
92	Syntheses, structures, luminescent and magnetic properties of two coordination polymers based on a flexible multidentate carboxylate ligand. <i>Chinese Chemical Letters</i> , 2015 , 26, 499-503	8.1	8
91	Novel microporous metal-organic framework exhibiting high acetylene and methane storage capacities. <i>Inorganic Chemistry</i> , 2015 , 54, 4377-81	5.1	30
90	Construction of variable dimensional cadmium(II) coordination polymers from pyridine-2,3-dicarboxylic acid. <i>CrystEngComm</i> , 2015 , 17, 3619-3626	3.3	19
89	A breathing chiral molecular solid for enantioseparation via single-crystal-to-single-crystal transformation. 2015 , 60, 447-452		11
88	The highest connected pure inorganic 3D framework assembled by {P ₄ Mo ₆ } cluster and alkali metal potassium. <i>RSC Advances</i> , 2015 , 5, 3552-3559	3.7	16

87	Syntheses, structures, and luminescence of two Zn(II) coordination polymers based on 5-(4-imidazol-1-yl-phenyl)-2H-tetrazole and carboxylates. <i>Journal of Coordination Chemistry</i> , 2015 , 68, 1733-1742	1.6	8
86	Effect of Zn and Zr addition on the synthesis of an AlH ₃ /MgCl ₂ nanocomposite and its de-hydrating properties. <i>RSC Advances</i> , 2015 , 5, 17104-17108	3.7	7
85	Crystal structures and non-linear optics of several types of bimetallic assemblies comprising chiral Cu(II) complexes. 2015 , 102, 297-307		4
84	Supramolecular hybrids of polytungstates and their adsorption properties for methylene blue. <i>Journal of Solid State Chemistry</i> , 2015 , 231, 169-174	3.3	10
83	Metal-organic coordination architectures of tetrazole heterocycle ligands bearing acetate groups: Synthesis, characterization and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2015 , 232, 62-66	3.3	3
82	Tuning the functional sites in metal-organic frameworks to modulate CO ₂ heats of adsorption. <i>CrystEngComm</i> , 2015 , 17, 706-718	3.3	54
81	Bulky bis(imidazole) and 2-sulfoterephthalate Assisted 3-D Cu(II) and 2-D Mn(II) Coordination Polymers: Topology, Diversity in Metal Containing Nodes and Spectral Elucidation. 2016 , 1, 6230-6237		1
80	Metal-Organic Framework for Selective Gas Scavenging. 2016 , 04, 1640014		0
79	Advances in Metal-Containing Macromolecules. 2016 ,		
78	Governing metal-organic frameworks towards high stability. 2016 , 52, 8501-13		155
77	Nonclassical Phosphomolybdates with Different Degrees of Reduction: Syntheses and Structural and Photo/Electrocatalytic Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 8309-20	5.1	24
76	A four-fold interpenetrated metal-organic framework as a fluorescent sensor for volatile organic compounds. <i>Dalton Transactions</i> , 2016 , 45, 14888-92	4.3	47
75	2D Squaraine-Bridged Covalent Organic Polymers with Promising CO ₂ Storage and Separation Properties. 2016 , 1, 533-538		6
74	Facile Halogenation of Pyrazolate-Bridged Copper(I) Complexes: Synthesis, Crystal Structure, and Photoluminescent Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 1173-1177 ¹⁻³		4
73	Two new two-dimensional coordination polymers based on isophthalate and a flexible N-donor ligand containing benzimidazole and pyridine rings: synthesis, crystal structures and a solid-state UV-Vis study. 2016 , 72, 724-729		4
72	High Temperature Postsynthetic Rearrangement of Dimethylthiocarbamate-Functionalized Metal-Organic Frameworks. 2016 , 16, 7067-7073		13
71	Synthesis, structure and properties of two new coordination networks based on 5-(4-((1H-pyrazol-1-yl)methyl)phenyl)-5H-tetrazole. 2016 , 110, 93-99		3
70	Chemical, thermal and mechanical stabilities of metal-organic frameworks. 2016 , 1,		1026

69	Homochiral and heterochiral Mn(II) coordination frameworks: spontaneous resolution dependent on dipyriddy ligands. <i>Dalton Transactions</i> , 2016 , 45, 1335-8	4.3	14
68	Synthesis of bare and functionalized porous adsorbent materials for CO ₂ capture. 2017 , 7, 399-459		21
67	Water-Stable In(III)-Based Metal-Organic Frameworks with Rod-Shaped Secondary Building Units: Single-Crystal to Single-Crystal Transformation and Selective Sorption of CH ₄ over CO and CH ₂ . <i>Inorganic Chemistry</i> , 2017 , 56, 2188-2197	5.1	70
66	Nitrogen-Rich Tetranuclear Metal Complex as a New Structural Motif for Energetic Materials. <i>ACS Omega</i> , 2017 , 2, 346-352	3.9	18
65	Detection of polychlorinated benzenes (persistent organic pollutants) by a luminescent sensor based on a lanthanide metal-organic framework. 2017 , 5, 5541-5549		138
64	Three coordination polymers based on 9,10-di(pyridine-4-yl)anthracene ligand: Syntheses, structures and fluorescent properties. <i>Journal of Molecular Structure</i> , 2017 , 1142, 304-310	3.4	10
63	Trapping of gaseous pollutants on defective N-doped graphene. 2016 , 19, 636-643		10
62	A 3d-4f Complex Constructed by the Assembly of a Cationic Template, [Cu(en) ₂] ²⁺ , and a 3D Anionic Coordination Polymer, [Sm ₂ (C ₂ O ₄) ₃ (C ₅ O ₅)(H ₂ O) ₂] ²⁻ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 657-663	1.3	2
61	A two-dimensional zinc Phosphonate: Synthesis, structure and photoluminescence properties. <i>Inorganic Chemistry Communication</i> , 2017 , 84, 59-62	3.1	2
60	Synthesis, structure and gas adsorption properties of a stable microporous Cu-based metal-organic framework assembled from a T-shaped pyridyl dicarboxylate ligand. <i>RSC Advances</i> , 2017 , 7, 17697-17703	3.7	4
59	Two extended Wells-Dawson arsenomolybdate architectures directed by Na(I) and/or Cu(I) organic complex linkers. <i>CrystEngComm</i> , 2017 , 19, 2320-2328	3.3	17
58	New metal-organic complexes based on bis(tetrazole) ligands: Synthesis, structures and properties. <i>Journal of Molecular Structure</i> , 2017 , 1133, 348-357	3.4	9
57	New complexes constructed from in situ nitration of (1H-tetrazol-5-yl)phenol: synthesis, structures and properties. <i>CrystEngComm</i> , 2017 , 19, 6758-6777	3.3	22
56	A Heat-Resistant and Energetic Metal-Organic Framework Assembled by Chelating Ligand. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37542-37547	9.5	32
55	Temperature/anion-dependent self-assembly of Co(II) coordination polymers based on a heterotopic imidazole-tetrazole-bifunctional ligand: Structures and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2017 , 84, 10-14	3.1	6
54	Semiconductor Metal-Organic Frameworks: Future Low-Bandgap Materials. <i>Advanced Materials</i> , 2017 , 29, 1605071	24	144
53	Impact of the flexibility of pillar linkers on the structure and CO ₂ adsorption property of pillar-layered MOFs. <i>Chinese Chemical Letters</i> , 2017 , 28, 55-59	8.1	12
52	Solvothermal syntheses, structures, and magnetic properties of three cobalt coordination polymers constructed from naphthalene-1,4-dicarboxylic acid and bis(imidazole) linkers. <i>Journal of Solid State Chemistry</i> , 2018 , 263, 164-171	3.3	4

51	An unexpected relationship between solvent inclusion and gas sorption properties of chiral calixsalen solids** Dedicated to Professor Jerry L. Atwood on the occasion of his 75th birthday.View all notes. <i>Supramolecular Chemistry</i> , 2018 , 30, 479-487	1.8	3
50	Zn coordination polymers based on designed of tetrazole-yl acylamide: Syntheses, structures and luminescence property. <i>Journal of Molecular Structure</i> , 2018 , 1152, 344-350	3.4	2
49	Controlled Pyrolysis of Ni-MOF-74 as a Promising Precursor for the Creation of Highly Active Ni Nanocatalysts in Size-Selective Hydrogenation. <i>Chemistry - A European Journal</i> , 2018 , 24, 898-905	4.8	54
48	Long rigid ligand induced basket-type phosphomolybdate photo-/electro-catalytic materials. <i>New Journal of Chemistry</i> , 2018 , 42, 19528-19536	3.6	7
47	Magnetostructural relationships in polymorphic ethylmalonate-containing copper(II) coordination polymers. <i>CrystEngComm</i> , 2018 , 20, 7464-7472	3.3	2
46	Effective photocatalytic and bifunctional electrocatalytic materials based on Keggin arsenomolybdates and different transition metal capped assemblies. <i>CrystEngComm</i> , 2018 , 20, 3522-3534	3.3	13
45	Synthesis chemistry of metal-organic frameworks for CO2 capture and conversion for sustainable energy future. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 92, 570-607	16.2	66
44	Construction of coordination polymers based on a rigid tripodal nitrogen-containing heterotopic ligand that designed by mixed-donors strategy. <i>Journal of Solid State Chemistry</i> , 2018 , 265, 64-71	3.3	4
43	Coordination polymers and metal-organic frameworks built up with poly(tetrazolate) ligands. <i>Coordination Chemistry Reviews</i> , 2018 , 372, 1-30	23.2	55
42	CoII immobilized on an aminated magnetic metal-organic framework catalyzed C-N and C-S bond forming reactions: a journey for the mild and efficient synthesis of arylamines and arylsulfides. <i>New Journal of Chemistry</i> , 2019 , 43, 15525-15538	3.6	13
41	Two 2D microporous MOFs based on bent carboxylates and a linear spacer for selective CO2 adsorption. <i>CrystEngComm</i> , 2019 , 21, 535-543	3.3	9
40	Polynuclear Cu(I) and Ag(I) phosphine complexes containing multi-dentate polytopic ligands: syntheses, crystal structures and photoluminescence properties. <i>Dalton Transactions</i> , 2019 , 48, 741-750	4.3	11
39	Synergistic interface phenomena between MOFs, NiPx for efficient hydrogen production. <i>Molecular Catalysis</i> , 2019 , 467, 78-86	3.3	26
38	Metal-Organic Framework with Rich Accessible Nitrogen Sites for Highly Efficient CO Capture and Separation. <i>Inorganic Chemistry</i> , 2019 , 58, 7754-7759	5.1	31
37	Unlocking CO2 separation performance of ionic liquid/CuBTC composites: Combining experiments with molecular simulations. <i>Chemical Engineering Journal</i> , 2019 , 373, 1179-1189	14.7	30
36	Carbon capture and conversion using metal-organic frameworks and MOF-based materials. <i>Chemical Society Reviews</i> , 2019 , 48, 2783-2828	58.5	910
35	Design and Construction of a Chiral Cd(II)-MOF from Achiral Precursors: Synthesis, Crystal Structure and Catalytic Activity toward C-C and C-N Bond Forming Reactions. <i>Inorganic Chemistry</i> , 2019 , 58, 3219-3226	5.1	22
34	UiO-66-NO2 as an Oxygen Pump For Enhancing Oxygen Reduction Reaction Performance. <i>Chemistry of Materials</i> , 2019 , 31, 1646-1654	9.6	22

33	Synthesis of Zeolite Using Aluminum Dross and Waste LCD Glass Powder: A Waste to Waste Integration Valorization Process. <i>Metals</i> , 2019 , 9, 1240	2.3	8
32	A Pr ³⁺ -coordination polymer as an adsorbent for neutral red. <i>Journal of Coordination Chemistry</i> , 2019 , 72, 3298-3303	1.6	3
31	Facile fabrication of ZIF-derived graphene-based 2D Zn/Co oxide hybrid for high-performance supercapacitors. <i>Journal of Energy Storage</i> , 2020 , 27, 101165	7.8	27
30	Rational Design of Semiconductor-Based Chemiresistors and their Libraries for Next-Generation Artificial Olfaction. <i>Advanced Materials</i> , 2020 , 32, e2002075	24	90
29	Cluster/cage-based coordination polymers with tetrazole derivatives. <i>Coordination Chemistry Reviews</i> , 2020 , 422, 213424	23.2	16
28	Hexnuclear Cadmium(II) Cluster Constructed from Tris(2-methylpyridyl)amine (TPA) and Azides. <i>Crystals</i> , 2020 , 10, 317	2.3	5
27	Oxygen-Selective Adsorption Property of Ultramicroporous MOF Cu(Qc) ₂ for Air Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6219-6225	3.9	4
26	DUT-67 and tubular polypyrrole formed a cross-linked network for electrochemical detection of nitrofurazone and ornidazole. <i>Analytica Chimica Acta</i> , 2020 , 1109, 1-8	6.6	20
25	Constructing Strategies and Applications of Nitrogen-Rich Energetic Metal-Organic Framework Materials. <i>Catalysts</i> , 2020 , 10, 690	4	6
24	Cu(II) Metal-Organic Framework Encapsulated in Carbon Paste Electrode for High-Performance Non-Enzymatic Glucose Sensing. <i>Chinese Journal of Analytical Chemistry</i> , 2020 , 48, e20038-e20046	1.6	8
23	Formation of Double-Helical Structures by Silica Nanotubes Templated by Mixtures of Common Nonionic Surfactants in Aqueous Solutions. <i>ACS Nano</i> , 2021 , 15, 1016-1029	16.7	2
22	Selective Gas Uptake and Rotational Dynamics in a (3,24)-Connected Metal-Organic Framework Material. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3348-3358	16.4	19
21	Fast and Accurate Machine Learning Strategy for Calculating Partial Atomic Charges in Metal-Organic Frameworks. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 3052-3064	6.4	15
20	XGBoost: An Optimal Machine Learning Model with Just Structural Features to Discover MOF Adsorbents of Xe/Kr. <i>ACS Omega</i> , 2021 , 6, 9066-9076	3.9	8
19	Two-Dimensional Metal-Organic Frameworks and Covalent-Organic Frameworks for Electrocatalysis: Distinct Merits by the Reduced Dimension. <i>Advanced Energy Materials</i> , 2003990	21.8	12
18	Synthesis, Crystal Structure, DFT Theoretical Calculation and Physico-Chemical Characterization of a New Complex Material (C ₆ H ₈ Cl ₂ N ₂) ₂ [Cd ₃ Cl ₁₀]·6H ₂ O. <i>Crystals</i> , 2021 , 11, 553	2.3	2
17	Metal-Organic Frameworks Materials for Capacitive Gas Sensors. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100127	6.8	6
16	Two Novel Catalysts Based on Nickel-Substituted POMs Hybrids for Photocatalytic H ₂ Evolution from Water Splitting. <i>Journal of Cluster Science</i> , 1	3	2

15	Vapor-Induced Superionic Conduction of Magnesium Ions in a Metal-Organic Framework. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 21124-21130	3.8	1
14	Multicomponent Pt-based catalyst for highly efficient chemoselective hydrogenation of 4-carboxybenzaldehyde. <i>Journal of Catalysis</i> , 2021 , 401, 174-182	7.3	1
13	Chiral metal-organic frameworks based on asymmetric synthetic strategies and applications. <i>Coordination Chemistry Reviews</i> , 2021 , 445, 214083	23.2	9
12	A review for Metal-Organic Frameworks (MOFs) utilization in capture and conversion of carbon dioxide into valuable products. <i>Journal of CO2 Utilization</i> , 2021 , 53, 101715	7.6	8
11	Carbon dioxide adsorption based on porous materials.. <i>RSC Advances</i> , 2021 , 11, 12658-12681	3.7	27
10	Metal-Organic Frameworks (MOFs) for CO2 Capture. <i>Green Chemistry and Sustainable Technology</i> , 2014 , 79-113	1.1	1
9	Application of temperature-controlled chiral hybrid structures constructed from copper(ii)-monosubstituted Keggin polyoxoanions and copper(ii)-organoamine complexes in enantioselective sensing of tartaric acid.. <i>RSC Advances</i> , 2020 , 10, 13759-13765	3.7	3
8	The Application of Metal-Organic Frameworks to CO2 Capture. 2013 , 233-257		0
7	New Energetic Metal-Organic Framework (E-MOF) based on a sodium(I)-containing energetic metal salt incorporating guanidinium ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> ,	1.3	
6	Dispersion-corrected DFT investigations on the interaction of glycine amino acid with metal organic framework MOF-5. <i>Physica B: Condensed Matter</i> , 2021 , 626, 413446	2.8	4
5	Metal-organic frameworks for active food packaging. A review.. <i>Environmental Chemistry Letters</i> , 2022 , 20, 1-17	13.3	4
4	Applications of Metal-Organic Frameworks in Wastewater Treatment and Gas Separation and Purification. <i>ACS Symposium Series</i> , 271-337	0.4	
3	Porous Mn ²⁺ Magnet with a Pt-Cl Framework: Correlation between Water Vapor Adsorption/Desorption and Slow Magnetic Relaxation.		0
2	Syntheses and Characterization of Tetrazolate-Based Lanthanide Compounds and Selective Crystallization Separation of Neodymium and Dysprosium. 2022 , 61, 19193-19202		0
1	Facile and scalable synthesis of 2D porous Ni/C via a salt-template assisted approach for enhanced urea oxidation reaction and energy-saving hydrogen production. 2023 , 47, 7399-7409		0