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1316	An oriented 1D coordination/organometallic dimetallic molecular wire with Ag-Pd metal-metal bonds. 2004 , 43, 6120-5		45
1315	An Oriented 1D Coordination/Organometallic Dimetallic Molecular Wire with Ag?Pd MetalMetal Bonds. <i>Angewandte Chemie</i> , 2004 , 116, 6246-6251	3.6	8
1314	Poren per Baukasten. 2005 , 53, 394-399		27
1313	A new three-dimensional Cu(II) coordination polymer with triaminoguanidin building blocks. 2005 , 8, 1145-1148		20
1312	Ferrocenyl-Based EConjugated Complexes: Modulation of Electronic Properties by Symmetric/Asymmetric Cyclopentadienyl Substitution. 2005 , 24, 1198-1203		17
1311	A New Coordination Polymer Architecture with (10,3)-a Network Containing Chiral Hydrophilic 3-D Channels. 2005 , 2005, 4875-4879		17
1310	Highly interpenetrated metal-organic frameworks for hydrogen storage. 2004 , 44, 72-5		580
1309	Corundum, diamond, and PtS metal-organic frameworks with a difference: self-assembly of a unique pair of 3-connecting D2d-symmetric 3,3',5,5'-tetrakis(4-pyridyl)bimesityl. 2005 , 44, 2115-9		159
1308	A two-in-one crystal: uptake of two different guests into two distinct channels of a biporous coordination network. 2005 , 44, 1962-4		122
1307	In situ observation of a reversible single-crystal-to-single-crystal apical-ligand-exchange reaction in a hydrogen-bonded 2D coordination network. 2005 , 44, 2151-4		154
1306	Crystal engineering: toward intersecting channels from a neutral network with a bcu-type topology. 2005 , 44, 6063-7		187
1305	Highly porous, homochiral metal-organic frameworks: solvent-exchange-induced single-crystal to single-crystal transformations. 2005 , 44, 1958-61		308
1304	Strategies for hydrogen storage in metal-organic frameworks. 2005 , 44, 4670-9		2144
1303	Rational design of a coordination cage with a trigonal-bipyramidal shape constructed from 33 building units. 2005 , 44, 2969-73		51
1302	Ternary nets formed by self-assembly of triangles, squares, and tetrahedra. 2005 , 44, 2877-80		167
1301	A synthetic zwitterionic water channel: characterization in the solid state by X-ray crystallography and NMR spectroscopy. 2005 , 44, 5720-5		143
1300	Copper(II) and zinc(II) complexes can fix atmospheric carbon dioxide. 2005 , 44, 4352-5		122

1299	Entangled coordination networks with inherent features of polycatenation, polythreading, and polyknotting. 2005 , 44, 5824-7		405
1298	An in situ high-temperature single-crystal investigation of a dehydrated metal-organic framework compound and field-induced magnetization of one-dimensional metal-oxygen chains. 2005 , 44, 6354-8		473
1297	Cu ²⁺ -mediated dehydrogenative coupling and hydroxylation of an N-heterocyclic ligand: from generation of a new tetratopic ligand to the designed assembly of three-dimensional copper(I) coordination polymers. 2005 , 44, 5471-5		179
1296	Escape from a nonporous solid: mechanically coupled biconcave molecules. 2005 , 44, 6689-93		56
1295	(Pr ₄ N) ₄ [Ag ₃ Fe ₂ (ECN) ₁₂]-anionic network structures with mutual interpenetration. 2005 , 44, 7787-90		8
1294	Spiraling steroids: organic crystals with asymmetric nanometer-scale channels. 2005 , 44, 6878-81		32
1293	Nucleobases in molecular recognition: molecular adducts of adenine and cytosine with COOH functional groups. 2005 , 44, 7752-7		52
1292	A phthalocyanine clathrate of cubic symmetry containing interconnected solvent-filled voids of nanometer dimensions. 2005 , 44, 7546-9		54
1291	Highly Interpenetrated Metal-Organic Frameworks for Hydrogen Storage. <i>Angewandte Chemie</i> , 2005 , 117, 74-77	3.6	101
1290	Corundum, Diamond, and PtS Metal-Organic Frameworks with a Difference: Self-Assembly of a Unique Pair of 3-Connecting D _{2d} -Symmetric 3,3',5,5'-Tetrakis(4-pyridyl)bimesityl. <i>Angewandte Chemie</i> , 2005 , 117, 2153-2157	3.6	13
1289	A Two-in-One Crystal: Uptake of Two Different Guests into Two Distinct Channels of a Biporous Coordination Network. <i>Angewandte Chemie</i> , 2005 , 117, 1998-2000	3.6	34
1288	In Situ Observation of a Reversible Single-Crystal-to-Single-Crystal Apical-Ligand-Exchange Reaction in a Hydrogen-Bonded 2D Coordination Network. <i>Angewandte Chemie</i> , 2005 , 117, 2189-2192	3.6	30
1287	Crystal Engineering: Toward Intersecting Channels from a Neutral Network with a bcu-Type Topology. <i>Angewandte Chemie</i> , 2005 , 117, 6217-6221	3.6	19
1286	Highly Porous, Homochiral Metal-Organic Frameworks: Solvent-Exchange-Induced Single-Crystal to Single-Crystal Transformations. <i>Angewandte Chemie</i> , 2005 , 117, 1994-1997	3.6	47
1285	Strategien für die Wasserstoffspeicherung in metall-organischen Kompositgeräten. <i>Angewandte Chemie</i> , 2005 , 117, 4748-4758	3.6	253
1284	Gezielte Synthese eines Koordinationskfigs mit der freien Gestalt einer trigonalen Bipyramide, konstruiert aus 33 Bauteilen. <i>Angewandte Chemie</i> , 2005 , 117, 3029-3033	3.6	19
1283	Ternary Nets formed by Self-Assembly of Triangles, Squares, and Tetrahedra. <i>Angewandte Chemie</i> , 2005 , 117, 2937-2940	3.6	19
1282	A Synthetic Zwitterionic Water Channel: Characterization in the Solid State by X-ray Crystallography and NMR Spectroscopy. <i>Angewandte Chemie</i> , 2005 , 117, 5866-5871	3.6	22

1281	Copper(II) and Zinc(II) Complexes Can Fix Atmospheric Carbon Dioxide. <i>Angewandte Chemie</i> , 2005 , 117, 4426-4429	3.6	23
1280	Entangled Coordination Networks with Inherent Features of Polycatenation, Polythreading, and Polyknotting. <i>Angewandte Chemie</i> , 2005 , 117, 5974-5977	3.6	24
1279	An In Situ High-Temperature Single-Crystal Investigation of a Dehydrated Metal-Organic Framework Compound and Field-Induced Magnetization of One-Dimensional Metal-Oxygen Chains. <i>Angewandte Chemie</i> , 2005 , 117, 6512-6516	3.6	94
1278	Cu ²⁺ -Mediated Dehydrogenative Coupling and Hydroxylation of an N-Heterocyclic Ligand: From Generation of a New Tetrapotic Ligand to the Designed Assembly of Three-Dimensional Copper(II) Coordination Polymers. <i>Angewandte Chemie</i> , 2005 , 117, 5607-5611	3.6	9
1277	Escape from a Nonporous Solid: Mechanically Coupled Biconcave Molecules. <i>Angewandte Chemie</i> , 2005 , 117, 6847-6851	3.6	11
1276	(Pr ⁴ N) ₄ [Ag ₃ Fe ₂ (ECN) ₁₂] · 4Anionenetzwerke mit gegenseitiger Durchdringung. <i>Angewandte Chemie</i> , 2005 , 117, 7965-7968	3.6	
1275	Spiraling Steroids: Organic Crystals with Asymmetric Nanometer-Scale Channels. <i>Angewandte Chemie</i> , 2005 , 117, 7038-7041	3.6	10
1274	Nucleobases in Molecular Recognition: Molecular Adducts of Adenine and Cytosine with COOH Functional Groups. <i>Angewandte Chemie</i> , 2005 , 117, 7930-7935	3.6	10
1273	A Phthalocyanine Clathrate of Cubic Symmetry Containing Interconnected Solvent-Filled Voids of Nanometer Dimensions. <i>Angewandte Chemie</i> , 2005 , 117, 7718-7721	3.6	16
1272	Polymers of intrinsic microporosity (PIMs): bridging the void between microporous and polymeric materials. 2005 , 11, 2610-20		411
1271	Titanium-based molecular squares and rectangles: syntheses by self-assembly reactions of titanocene fragments and aromatic N-heterocycles. 2005 , 11, 969-78		77
1270	Steric control over hydrogen bonding in crystalline organic solids: a structural study of N,N'-dialkylthioureas. 2005 , 11, 1459-66		73
1269	Synthesis, X-ray crystal structures, and gas sorption properties of pillared square grid nets based on paddle-wheel motifs: implications for hydrogen storage in porous materials. 2005 , 11, 3521-9		789
1268	From a monomer to a protein-sized, doughnut-shaped coordination oligomer-the influence of side chains of C ₃ -symmetric ligands in supramolecular chemistry. 2005 , 11, 3318-24		23
1267	Zn(II)-salphen complexes as versatile building blocks for the construction of supramolecular box assemblies. 2005 , 11, 4743-50		172
1266	Guest-induced supramolecular isomerism in inclusion complexes of T-shaped host 4,4-bis(4'-hydroxyphenyl)cyclohexanone. 2005 , 11, 6727-42		85
1265	Triple hydrogen bonds direct crystal engineering of metal-assembled complexes: the effect of a novel organic-inorganic module on supramolecular structure. 2005 , 11, 6616-28		39
1264	Rationally designed, polymeric, extended metal-ciprofloxacin complexes. 2005 , 11, 6673-86		126

- 1263 [Ag{NCC(O)CN}₂]_n [SbF₆]_n, the first metal complex of carbonyl cyanide. **2005**, 35, 697-700 2
- 1262 Coordination Polymers that Contain Accessible Metal Centres - Synthesis and Structure of a Nickel Cluster Connected Porphyrin Network. **2005**, 631, 1038-1040 15
- 1261 [Hg₂(Ebp)(EDAc)₂(SCN)₂]_n, a New Two-Dimensional Coordination Polymer Involving Three Simultaneously Bridging Ligands: 1,2-Bis(4-pyridyl)ethene, Acetate, and Thiocyanate. **2005**, 631, 1577-1579 15
- 1260 Hydrothermal Synthesis, Structure, and Magnetic Properties of a Three-dimensional Polymeric NiII Complex, [Ni(bpp)(NIP)(H₂O)]_n (bpp = 1,3-di(4-pyridyl)propane, NIP = 5-nitroisophthalate). **2005**, 631, 2976-2978 19
- 1259 Layer and Cavity Structures of Manganese(II) Diphenate Coordination Polymers. **2005**, 631, 2485-2489 8
- 1258 Anion-directed assembly of supramolecular zinc(II) halides with N,N'-bis-4-methyl-pyridyl oxalamide. **2005**, 29, 1254 34
- 1257 Oligofunctional amphiphiles featuring geometric core group preorganization: synthesis and study of Langmuir and Langmuir-Blodgett films. **2005**, 3, 3757-66 8
- 1256 Design and solvothermal synthesis of luminescent copper(I)-pyrazolate coordination oligomer and polymer frameworks. **2006**, 2845-7 123
- 1255 On the coordination behaviour of NO₃⁻ in coordination compounds with Ag⁺. **2006**, 8, 403 37
- 1254 New coordination polymer networks based on copper(II) hexafluoroacetylacetonate and pyridine containing building blocks: synthesis and structural study. **2006**, 30, 1808-1819 33
- 1253 Heteroleptic Cu(II) dipyrromethene complexes linked via hydrogen bonds, coordinative bonds, and covalent bonds: probing the coordination environment by electron paramagnetic resonance spectroscopy. **2006**, 45, 2695-703 33
- 1252 Supramolecular Assembly of Triangular Pd(II) Diimine Complexes Containing Triply-Bridging Sulfide Ligands. **2006**, 53, 1033-1038 5
- 1251 Thermal and Structural Studies of a 1D Zinc(II) Coordination Polymer [Zn(E4,4'-bipy)(H₂O)₄]_n(CCl₃COO)_{2n}·[4,4'-bipy]_{2n} (4,4'-bipy = 4,4'-bipyridine), with Shorted Cl···Cl Interactions. **2006**, 632, 1419-1421 14
- 1250 Synthesis and Characterization of [Zn₂(4,4'-bipy)_n(AcO)₄]_n One-dimensional Chain (n = 1) and One-dimensional Double-Chain (n = 2) Coordination Polymers. **2006**, 632, 2491-2494 8
- 1249 Metal-Organic Frameworks. **2006**, 632, 2090-2090
- 1248 TlI three-dimensional coordination polymer involving tetranuclear cubic cage nodes, [Tl₄(8-SB)₂]_n{H₂SB=4-[(4-hydroxyphenyl)sulfonyl]-1-benzenol}. **2006**, 9, 143-146 47
- 1247 Two novel coordination polymers with different molecular tectonics based on cobalt(II) succinate-organoamine systems. **2006**, 9, 273-276 17
- 1246 Iodo bridged lead(II) compounds of azoimidazoles: Single crystal X-ray structures of [di-iodo-{1-methyl-2-(p-tolylazo)imidazole}lead(II)]_n and {1-methyl-3-benzyl-2-(p-tolylazo)imidazolium}_m-{tri-iodoplumbate(II)}_m. **2006**, 359, 4377-4385 11

1245	Syntheses and structures of three new coordination polymers generated from the flexible 1,3-bis(4-pyridyl)propane ligand and zinc salts. 2006 , 25, 2325-2332	35
1244	Effect of various pillaring oxides on adsorption behaviour of novel MCM-36 derivatives. 2006 , 90, 251-258	11
1243	Interpenetrating coordination polymers from Cu(I) or Ag(I) and flexible ligands: 2D polyrotaxanes and interpenetrating grids. 2006 , 1, 344-8	24
1242	Polymerization in coordination nanospaces. 2006 , 1, 36-44	122
1241	The 4,4'-bipyridine Bi ³⁺ coordination polymer involving simultaneous of two different 1D chains in one system, [4,4'-bipyH] _{nn} [Bi(4,4'-bipy)Br ₄] _{nn} thermal and structural studies. 2006 , 8, 82-85	41
1240	La(III) complexes of uracil-1-acetic acid, [La(phen)X ₃] _n , X=Uracil-1-Acetate (UA) and 5-Fluorouracil-1-Acetate (5-FUA), two 2D coordination polymer, structural and thermal studies. 2006 , 8, 981-987	10
1239	Syntheses and characterization of Zn(II) and Cd(II) coordination polymers, [Zn(Ebpe)(NO ₂) ₂] _n and [Cd ₂ (Ebpp) ₃ (NO ₂) ₄] _n . 2006 , 8, 1115-1120	5
1238	Oligonuclear 3d-4f complexes as tectons in designing supramolecular solid-state architectures: impact of the nature of linkers on the structural diversity. 2005 , 12, 187-203	255
1237	From dysfunction to bis-function: on the design and applications of functionalised ionic liquids. 2006 , 12, 2122-30	344
1236	Ionic solid-state dimers and polymers derived from imidazolium dicarboxylic acids. 2006 , 12, 4014-20	49
1235	Microporous metal-organic framework constructed from heptanuclear zinc carboxylate secondary building units. 2006 , 12, 3754-8	156
1234	Biomolecule-assisted synthesis and electrochemical hydrogen storage of porous spongelike Ni ₃ S ₂ nanostructures grown directly on nickel foils. 2006 , 12, 2337-42	162
1233	Metal nuclearity modulated four-, six-, and eight-connected entangled frameworks based on mono-, bi-, and trimetallic cores as nodes. 2006 , 12, 2680-91	471
1232	A bridge between pillared-layer and helical structures: a series of three-dimensional pillared coordination polymers with multiform helical chains. 2006 , 12, 6528-41	229
1231	Construction of open metal-organic frameworks based on predesigned carboxylate isomers: from achiral to chiral nets. 2006 , 12, 3768-76	148
1230	Self-supported chiral catalysts for heterogeneous enantioselective reactions. 2006 , 12, 5188-97	105
1229	Probing the Lewis acidity and catalytic activity of the metal-organic framework [Cu ₃ (btc) ₂] (BTC=benzene-1,3,5-tricarboxylate). 2006 , 12, 7353-63	601
1228	Microwave synthesis of hybrid inorganic-organic porous materials: phase-selective and rapid crystallization. 2006 , 12, 7899-905	133

1227	A new basic motif in cyanometallate coordination polymers: structure and magnetic behavior of $M(\mu\text{-OH})_2[\text{Au}(\text{CN})_2]_2$ ($M=\text{Cu}, \text{Ni}$). 2006 , 12, 6748-61	26
1226	A microporous metal-organic framework for gas-chromatographic separation of alkanes. 2006 , 45, 1390-3	1060
1225	A homochiral metal-organic material with permanent porosity, enantioselective sorption properties, and catalytic activity. 2006 , 45, 916-20	599
1224	Separation of hydrocarbons with a microporous metal-organic framework. 2006 , 45, 616-9	668
1223	Ligand-directed strategy for zeolite-type metal-organic frameworks: zinc(II) imidazolates with unusual zeolitic topologies. 2006 , 45, 1557-9	1246
1222	Polymer-induced heteronucleation for the discovery of new extended solids. 2006 , 45, 2553-6	131
1221	"Design" in chemical synthesis--an illusion?. 2006 , 45, 3406-12	94
1220	Nanochannel-promoted polymerization of substituted acetylenes in porous coordination polymers. 2006 , 45, 4112-6	220
1219	The supramolecular chemistry of organic-inorganic hybrid materials. 2006 , 45, 5924-48	469
1218	Porous coordination polymer with π Lewis acidic pore surfaces, $\{[\text{Cu}_3(\text{CN})_3\{\text{CN}(\text{OEt})_3\}]\cdot 3\text{THF}\}_n$. 2006 , 45, 4628-31	41
1217	Metastable sorption state of a metal-organic porous material determined by in situ synchrotron powder diffraction. 2006 , 45, 4932-6	101
1216	Acetylene absorption and binding in a nonporous crystal lattice. 2006 , 45, 6506-9	112
1215	A multifunctional metal-organic open framework with a bcu topology constructed from undecanuclear clusters. 2006 , 45, 6126-30	224
1214	Guest-induced conformational switching in a single crystal. 2006 , 45, 5856-9	81
1213	An $[\text{Fe}(\text{II})_3\text{O}](4+)$ core wrapped by two $[\text{Fe}(\text{II})\text{L}(3)](-)$ units. 2006 , 45, 5459-61	64
1212	How hydration drastically improves adsorption selectivity for CO_2 over CH_4 in the flexible chromium terephthalate MIL-53. 2006 , 45, 7751-4	384
1211	Intercalation of organic molecules into vanadium(IV) benzenedicarboxylate: adsorbate structure and selective absorption of organosulfur compounds. 2006 , 45, 6499-503	97
1210	Dynamic motion of building blocks in porous coordination polymers. 2006 , 45, 7226-30	216

1209	Lanthanitin: a chiral nanoball encapsulating 18 lanthanum ions by ferritin-like assembly. 2006 , 45, 8134-8		68
1208	Solvent-Induced Pore-Size Adjustment in the Metal-Organic Framework [Mg ₃ (ndc) ₃ (dmf) ₄] (ndc = naphthalenedicarboxylate). 2006 , 2006, 4564-4569		102
1207	Adsorption and dynamics of long-range interacting fullerenes in a flexible, two-dimensional, nanoporous porphyrin network. 2006 , 7, 1462-70		55
1206	Improved Hydrogen Storage in the Metal-Organic Framework Cu ₃ (BTC) ₂ . 2006 , 8, 293-296		166
1205	A Microporous Metal-Organic Framework for Gas-Chromatographic Separation of Alkanes. <i>Angewandte Chemie</i> , 2006 , 118, 1418-1421	3.6	202
1204	A Homochiral Metal-Organic Material with Permanent Porosity, Enantioselective Sorption Properties, and Catalytic Activity. <i>Angewandte Chemie</i> , 2006 , 118, 930-934	3.6	89
1203	Separation of Hydrocarbons with a Microporous Metal-Organic Framework. <i>Angewandte Chemie</i> , 2006 , 118, 632-635	3.6	119
1202	Ligand-Directed Strategy for Zeolite-Type Metal-Organic Frameworks: Zinc(II) Imidazoles with Unusual Zeolitic Topologies. <i>Angewandte Chemie</i> , 2006 , 118, 1587-1589	3.6	257
1201	Polymer-Induced Heteronucleation for the Discovery of New Extended Solids. <i>Angewandte Chemie</i> , 2006 , 118, 2615-2618	3.6	20
1200	Design in der chemischen Synthese – eine Fiktion?. <i>Angewandte Chemie</i> , 2006 , 118, 3484-3490	3.6	27
1199	Nanochannel-Promoted Polymerization of Substituted Acetylenes in Porous Coordination Polymers. <i>Angewandte Chemie</i> , 2006 , 118, 4218-4222	3.6	43
1198	Die supramolekulare Chemie organisch-anorganischer Hybrid-Nanomaterialien. <i>Angewandte Chemie</i> , 2006 , 118, 6068-6093	3.6	93
1197	Porous Coordination Polymer with Lewis Acidic Pore Surfaces, {[Cu ₃ (CN) ₃][C(CN) ₃ (OEt) ₃]} ₃ ·THF} _n . <i>Angewandte Chemie</i> , 2006 , 118, 4744-4747	3.6	9
1196	Metastable Sorption State of a Metal-Organic Porous Material Determined by In Situ Synchrotron Powder Diffraction. <i>Angewandte Chemie</i> , 2006 , 118, 5054-5058	3.6	31
1195	Acetylene Absorption and Binding in a Nonporous Crystal Lattice. <i>Angewandte Chemie</i> , 2006 , 118, 6656-6659	3.6	33
1194	A Multifunctional Metal-Organic Open Framework with a bcu Topology Constructed from Undecanuclear Clusters. <i>Angewandte Chemie</i> , 2006 , 118, 6272-6276	3.6	22
1193	Guest-Induced Conformational Switching in a Single Crystal. <i>Angewandte Chemie</i> , 2006 , 118, 5988-5991	3.6	15
1192	An [FeII ₃ O] ₄ ⁺ Core Wrapped by Two [FeIII ₃] ₄ Units. <i>Angewandte Chemie</i> , 2006 , 118, 5585-5587	3.6	13

1191	How Hydration Drastically Improves Adsorption Selectivity for CO ₂ over CH ₄ in the Flexible Chromium Terephthalate MIL-53. <i>Angewandte Chemie</i> , 2006 , 118, 7915-7918	3.6	103
1190	Intercalation of Organic Molecules into Vanadium(IV) Benzenedicarboxylate: Adsorbate Structure and Selective Absorption of Organosulfur Compounds. <i>Angewandte Chemie</i> , 2006 , 118, 6649-6653	3.6	19
1189	Dynamic Motion of Building Blocks in Porous Coordination Polymers. <i>Angewandte Chemie</i> , 2006 , 118, 7384-7388	3.6	46
1188	Lanthanitin: A Chiral Nanoball Encapsulating 18 Lanthanum Ions by Ferritin-Like Assembly. <i>Angewandte Chemie</i> , 2006 , 118, 8314-8318	3.6	14
1187	Exciplex Fluorescence as a diagnostic probe of structure in coordination polymers of Zn ²⁺ and 4,4'-bipyridine containing intercalated pyrene and enclathrated aromatic solvent guests. 2007 , 129, 9094-101		148
1186	One-Dimensional Corrugated Tape AgI Coordination Polymers Constructed of AgI Bonds. 2007 , 7, 2024-2030		38
1185	A two-dimensional zinc-molybdenum(V) phosphate organic/inorganic hybrid polymer with fluorescence. 2007 , 60, 815-823		9
1184	A novel metal-organic ternary topology constructed from triangular, square and tetrahedral molecular building blocks. 2007 , 5212-3		38
1183	Novel Supramolecular Assemblies of Coordination Polymers of Zn(II) and Bis(4-nitrophenyl)phosphoric Acid with Some Aza-Donor Compounds. 2007 , 7, 1791-1796		14
1182	Mercury(II) coordination polymers generated from 1,4-bis(2 or 3 or 4-pyridyl)-2,3-diaza-1,3-butadiene ligands. 2007 , 9, 704		94
1181	Selective Growth and MOCVD Loading of Small Single Crystals of MOF-5 at Alumina and Silica Surfaces Modified with Organic Self-Assembled Monolayers 2007 , 19, 2168-2173		164
1180	Trapping metal-organic framework nanocrystals: an in-situ time-resolved light scattering study on the crystal growth of MOF-5 in solution. 2007 , 129, 5324-5		248
1179	Zinc(II) nitrite coordination polymers based on rigid and flexible organic nitrogen donor ligands. 2007 , 9, 686		56
1178	Structural variation from 1D to 3D: effects of ligands and solvents on the construction of lead(II)-organic coordination polymers. 2007 , 13, 3248-61		266
1177	Molecular tectonics of metal-organic frameworks (MOFs): a rational design strategy for unusual mixed-connected network topologies. 2007 , 13, 2578-86		223
1176	From molecule to bulk material: optical properties of hydrogen-bonded dimers [C ₁₂ H ₁₂ N ₄ O ₂ AgPF ₆] ₂ and [C ₂₈ H ₂₈ N ₆ O ₃ AgPF ₆] ₂ depend on the arrangement of the oxime moieties. 2007 , 13, 5151-9		16
1175	Porous liquids. 2007 , 13, 3020-5		134
1174	Topological study of pseudo-cubic hydrogen-bond networks in a binary system composed of primary ammonium carboxylates: an analogue of an ice cube. 2007 , 13, 4163-8		22

1173	New metal-organic frameworks with large cavities: selective sorption and desorption of solvent molecules. 2007 , 13, 7523-31	42
1172	Design and generation of extended zeolitic metal-organic frameworks (ZMOFs): synthesis and crystal structures of zinc(II) imidazolate polymers with zeolitic topologies. 2007 , 13, 4146-54	315
1171	Structural and magnetic modulation of a purely organic open framework by selective guest inclusion. 2007 , 13, 8153-63	36
1170	Nanoscale metal coordination macrocycles fabricated by using "dimeric" dipyrins. 2007 , 13, 7900-7	26
1169	Rational design of MOFs constructed from modified aromatic amino acids. 2007 , 13, 9399-405	46
1168	Synchrotron X-ray charge-density study of coordination polymer [Mn(HCOO) ₂ (H ₂ O) ₂] _{infinity} . 2007 , 13, 9775-90	28
1167	Heterogeneous asymmetric catalysis with homochiral metal-organic frameworks: network-structure-dependent catalytic activity. 2007 , 46, 1075-8	453
1166	A flexible porous coordination polymer functionalized by unsaturated metal clusters. 2007 , 46, 889-92	151
1165	Molecular tectonics on surfaces: Bottom-up fabrication of 1D coordination networks that form 1D and 2D arrays on graphite. 2007 , 46, 245-9	101
1164	Solid-state interconversions of coordination networks and hydrogen-bonded salts. 2007 , 46, 1124-8	137
1163	Surface-assisted assembly of 2D metal-organic networks that exhibit unusual threefold coordination symmetry. 2007 , 46, 710-3	208
1162	A thermal spin transition in a nanoporous iron(II) coordination framework material. 2007 , 46, 2059-62	105
1161	A tetrahedral organophosphonate as a linker for a microporous copper framework. 2007 , 46, 795-8	108
1160	Assembly of metal-organic frameworks (MOFs) based on indium-trimer building blocks: a porous MOF with soc topology and high hydrogen storage. 2007 , 46, 3278-83	593
1159	A mesh-adjustable molecular sieve for general use in gas separation. 2007 , 46, 2458-62	339
1158	Noncovalently connected frameworks with nanoscale channels assembled from a tethered polyoxometalate-pyrene hybrid. 2007 , 46, 3900-4	174
1157	Exceptional negative thermal expansion in isorecticular metal-organic frameworks. 2007 , 46, 4496-9	260
1156	Topotactic linear radical polymerization of divinylbenzenes in porous coordination polymers. 2007 , 46, 4987-90	108

1155	Effect of mixing of metal cations on the topology of metal oxide networks. 2007 , 46, 5877-9		47
1154	Crystal engineering: a holistic view. 2007 , 46, 8342-56		1144
1153	Thermo-to-photo-switching of the chromic behavior of salicylideneanilines by inclusion in a porous coordination network. 2007 , 46, 6643-5		96
1152	Cation-dependent nonlinear optical behavior in an octupolar 3D anionic metal-organic open framework. 2007 , 46, 6301-4		152
1151	Hierarchical self-assembly of one-dimensional streptavidin bundles as a collagen mimetic for the biomineralization of calcite. 2007 , 46, 5510-4		98
1150	Copper beta-diketonate molecular squares and their host-guest reactions. 2007 , 46, 6305-8		59
1149	Chiralization of diamond nets: stretchable helices and chiral and achiral nets with nearly identical unit cells. 2007 , 46, 6115-8		131
1148	Conjugated microporous poly(aryleneethynylene) networks. 2007 , 46, 8574-8		1134
1147	Two-step adsorption/desorption on a jungle-gym-type porous coordination polymer. 2007 , 46, 6662-5		139
1146	1:1 Cross-assembly of two beta-diketonate complexes through arene-perfluoroarene interactions. 2007 , 46, 7617-20		46
1145	Coordination polymers with pi-stacked metalloparacyclophane motifs: F-shaped mixed-coordination dinuclear connectors. 2007 , 46, 8242-5		28
1144	Organic cation and chiral anion templated 3D homochiral open-framework materials with unusual square-planar {M(4)(OH)} units. 2007 , 46, 8388-91		138
1143	Reversible topochemical transformation of a soft crystal of a coordination polymer. 2007 , 46, 7965-8		192
1142	Heterogeneous Asymmetric Catalysis with Homochiral Metal-Organic Frameworks: Network-Structure-Dependent Catalytic Activity. <i>Angewandte Chemie</i> , 2007 , 119, 1093-1096	3.6	115
1141	A Flexible Porous Coordination Polymer Functionalized by Unsaturated Metal Clusters. <i>Angewandte Chemie</i> , 2007 , 119, 907-910	3.6	11
1140	Molecular Tectonics on Surfaces: Bottom-Up Fabrication of 1D Coordination Networks That Form 1D and 2D Arrays on Graphite. <i>Angewandte Chemie</i> , 2007 , 119, 249-253	3.6	21
1139	Solid-State Interconversions of Coordination Networks and Hydrogen-Bonded Salts. <i>Angewandte Chemie</i> , 2007 , 119, 1142-1146	3.6	29
1138	Surface-Assisted Assembly of 2D Metal-Organic Networks That Exhibit Unusual Threefold Coordination Symmetry. <i>Angewandte Chemie</i> , 2007 , 119, 724-727	3.6	66

1137	A Thermal Spin Transition in a Nanoporous Iron(II) Coordination Framework Material. <i>Angewandte Chemie</i> , 2007 , 119, 2105-2108	3.6	23
1136	A Tetrahedral Organophosphonate as a Linker for a Microporous Copper Framework. <i>Angewandte Chemie</i> , 2007 , 119, 809-812	3.6	10
1135	Assembly of Metal-Organic Frameworks (MOFs) Based on Indium-Trimer Building Blocks: A Porous MOF with soc Topology and High Hydrogen Storage. <i>Angewandte Chemie</i> , 2007 , 119, 3342-3347	3.6	69
1134	A Mesh-Adjustable Molecular Sieve for General Use in Gas Separation. <i>Angewandte Chemie</i> , 2007 , 119, 2510-2514	3.6	51
1133	Noncovalently Connected Frameworks with Nanoscale Channels Assembled from a Tethered Polyoxometalate-Pyrene Hybrid. <i>Angewandte Chemie</i> , 2007 , 119, 3974-3978	3.6	44
1132	Exceptional Negative Thermal Expansion in Isorecticular Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2007 , 119, 4580-4583	3.6	60
1131	Topotactic Linear Radical Polymerization of Divinylbenzenes in Porous Coordination Polymers. <i>Angewandte Chemie</i> , 2007 , 119, 5075-5078	3.6	23
1130	Effect of Mixing of Metal Cations on the Topology of Metal Oxide Networks. <i>Angewandte Chemie</i> , 2007 , 119, 5981-5983	3.6	11
1129	Kristall-Engineering: eine holistische Darstellung. <i>Angewandte Chemie</i> , 2007 , 119, 8492-8508	3.6	100
1128	Thermo-to-Photo-Switching of the Chromic Behavior of Salicylideneanilines by Inclusion in a Porous Coordination Network. <i>Angewandte Chemie</i> , 2007 , 119, 6763-6765	3.6	17
1127	Cation-Dependent Nonlinear Optical Behavior in an Octupolar 3D Anionic Metal-Organic Open Framework. <i>Angewandte Chemie</i> , 2007 , 119, 6417-6420	3.6	27
1126	Hierarchical Self-Assembly of One-Dimensional Streptavidin Bundles as a Collagen Mimetic for the Biomineralization of Calcite. <i>Angewandte Chemie</i> , 2007 , 119, 5606-5610	3.6	29
1125	Copper μ -Diketonate Molecular Squares and Their Host-Guest Reactions. <i>Angewandte Chemie</i> , 2007 , 119, 6421-6424	3.6	21
1124	Chiralization of Diamond Nets: Stretchable Helices and Chiral and Achiral Nets with Nearly Identical Unit Cells. <i>Angewandte Chemie</i> , 2007 , 119, 6227-6230	3.6	11
1123	Conjugated Microporous Poly(aryleneethynylene) Networks. <i>Angewandte Chemie</i> , 2007 , 119, 8728-8732	3.6	176
1122	Two-Step Adsorption/Desorption on a Jungle-Gym-Type Porous Coordination Polymer. <i>Angewandte Chemie</i> , 2007 , 119, 6782-6785	3.6	22
1121	1:1 Cross-Assembly of Two μ -Diketonate Complexes through Arene-Perfluoroarene Interactions. <i>Angewandte Chemie</i> , 2007 , 119, 7761-7764	3.6	9
1120	Coordination Polymers with π -Stacked Metalloparacyclophane Motifs: F-Shaped Mixed-Coordination Dinuclear Connectors. <i>Angewandte Chemie</i> , 2007 , 119, 8390-8393	3.6	8

1119	Organic Cation and Chiral Anion Templated 3D Homochiral Open-Framework Materials with Unusual Square-Planar {M ₄ (OH)} Units. <i>Angewandte Chemie</i> , 2007 , 119, 8540-8543	3.6	21
1118	Reversible Topochemical Transformation of a Soft Crystal of a Coordination Polymer. <i>Angewandte Chemie</i> , 2007 , 119, 8111-8114	3.6	37
1117	Tetranuclear Nickel Complexes Composed of Pairs of Dinuclear LNi ₂ Fragments Linked by 4,4'-Bipyrazolyl, 1,4-Bis(4'-pyrazolyl)benzene, and 4,4'-Bipyridazine: Synthesis, Structures, and Magnetic Properties. 2007 , 2007, 3217-3226		33
1116	Tetranuclear Nickel(II) Complexes Composed of Pairs of Dinuclear LNi ₂ Fragments Linked by Acetylenedicarboxylate, Terephthalate, and Isophthalate Dianions: Synthesis, Structures and Magnetic Properties. 2007 , 2007, 5277-5285		16
1115	Coadsorption-induced reconstruction of supramolecular assembly characteristics. 2007 , 8, 1519-23		23
1114	A new 2D HgII coordination polymer containing novel coordination mode of 2,5-bis(4-pyridyl)-1,3,4-oxadiazole (bpo) ligand, [Hg(Ebpo) ₂ (N ₃) ₂] _n : Spectroscopic, thermal, fluorescence and structural studies. 2007 , 10, 166-169		23
1113	Theoretical characterization of coordination space: Adsorption state and behavior of small molecules in nanochanneled metal-organic frameworks via electronic state theory, molecular mechanical and Monte Carlo simulation. 2007 , 251, 2522-2536		20
1112	Thermal, spectroscopic and structural studies of dimeric and polymeric mixed-ligands cadmium(II) complexes, [Cd(phen) ₂ (bpe)(H ₂ O)](ClO ₄) ₂ ·H ₂ O and [Cd(bpp) ₂ (H ₂ O) ₂](ClO ₄) ₂ ·bpe·H ₂ O. 2007 , 360, 2056-2062	5	
1111	Mercury thiocyanate coordination polymers generated from rigid or flexible organic nitrogen donor-based ligands. 2007 , 26, 2885-2893		35
1110	The 3D Supramolecular Compound {[Cu ₂ (L-val) ₂ (4,4'-bipy)(H ₂ O) ₂](NO ₃) ₂] _n (L-val = L-valine anion, 4,4'-bipy = 4,4'-bipyridine). 2007 , 633, 372-374		11
1109	New Series of Porous Ionic Crystals Constructed from Various Polyoxometalate Anions and Macroanions: Syntheses, Crystal Structures, and Comparison with Diverse Spatial Arrangement. 2007 , 633, 1040-1047		10
1108	Copper(II) and Manganese(II) Coordination Polymers of 5-Aminobenzene-1,3-dicarboxylic Acid (abdc) Ligand, Structural Studies of [Cu(μ-abdc) (DMF)] _n and {[Mn(μ-abdc)(H ₂ O)](H ₂ O)] _n . 2007 , 633, 1107-1111		9
1107	Hydrothermal Syntheses, Crystal Structures and Luminescence of Two Novel Metal-organic Frameworks. 2007 , 633, 2053-2058		10
1106	Two-dimensional Holodirected Lead(II) Coordination Polymer, [Pb(Ebpp)(E ₃ CN) ₂] _n (bpp = 1,3-di(4-pyridyl)propane). 2007 , 633, 1949-1951		11
1105	A Double Chain Metal-organic Framework Constructed by Tetrameric Nickel(II) Units and 1,3,5-Benzenetricarboxylic Trianions. 2007 , 633, 2049-2052		3
1104	Spectroscopy, thermal and structural studies of new ZnII coordination polymer, [Zn ₃ (Ebpa) ₄ ·5(AcO) ₃](ClO ₄) ₃ ·26H ₂ O. 2007 , 9, 1079-1084		12
1103	Structural and magnetic study of N ₂ , NO, NO ₂ , and SO ₂ adsorbed within a flexible single-crystal adsorbent of [Rh ₂ (bza) ₄ (pyz)] _n . 2007 , 2, 40-50		38
1102	Microporous magnesium and manganese formates for acetylene storage and separation. 2007 , 2, 484-8		136

1101	Alcohol-vapor inclusion in single-crystal adsorbents $[M(II)_2(bza)_4(pyz)]_n$ ($M = Rh, Cu$): structural study and application to separation membranes. 2007 , 2, 837-48	65
1100	A zeolite-like zinc phosphonocarboxylate framework and its transformation into two- and three-dimensional structures. 2007 , 2, 1549-54	41
1099	Synthesis, crystal structure and luminescent properties of a new 3D coordination polymer constructed by $Cd(II)$ with 4,4'-oxybis(benzoate) and 4,4'-bipyridine. 2007 , 18, 1005-1009	11
1098	Design of scaffold-like metal-organic coordination polymers based on dinuclear zinc(II) carboxylate complexes. 2007 , 56, 225-230	6
1097	Synthesis, structure, and magnetic properties of the cobalt(II) 1,3,5-benzenetricarboxylate layered coordination polymer. 2007 , 56, 1782-1786	5
1096	Synthesis, Structures and Properties of Four Coordination Polymers Constructed from 5-Nitroisophthalate and Benzimidazole Ligand. 2008 , 634, 345-351	7
1095	Influence of Secondary Bonds on the Network Assembly and Property in Lead(II) 3-Sulfobenzoate Coordination Polymer. 2008 , 634, 335-338	15
1094	Synthesis, Structure and Luminescent Property of Two New 2D Metal-organic Frameworks containing Lanthanide Ions. 2008 , 634, 382-386	13
1093	A Novel Two-Dimensional Cadmium Polymeric Aminonaphthalene Sulfonate and its Application in the Synthesis of CdS Materials. 2008 , 634, 373-376	4
1092	Synthesis, Crystal Structure and Magnetism Characterization of Two Coordination Polymers based on $Ni(2\text{-mpac})_2(H_2O)_2$ as Molecular Building Block. 2008 , 634, 539-544	3
1091	NiII-CdII Heterometallic Coordination Compounds Constructed from Metal-Containing N, N'-Rodlike Building Block $[Ni(4\text{'-(3-pyridyl)-2,2':6',2''-terpyridine})_2]^{2+}$ Cation. 2008 , 634, 1215-1220	8
1090	Supramolecular Assembly of Double-Stranded Chains, Helical Chains and Catenane-like Layers with Flexible Ligands. 2008 , 634, 950-955	16
1089	Gas Storages in Microporous Metal-Organic Framework at Ambient Temperature. 2008 , 634, 845-847	14
1088	Chiral and Achiral Malate Frameworks with Different Dimensionalities. 2008 , 634, 1115-1122	6
1087	Three-dimensional Hemidirected Mixed-ligand Lead(II) Coordination Polymer, $[Pb_2(bpa)_2(SCN)_3(NO_3)]_n$ ($bpa = 1,2\text{-di(4-pyridyl)ethane}$). 2008 , 634, 2659-2662	6
1086	Polymeric zinc ferrocenyl sulfonate as a molecular aspirator for the removal of toxic metal ions. 2008 , 14, 1814-21	104
1085	Delicate crystal structure changes govern the magnetic properties of 1D coordination polymers based on 3d metal carboxylates. 2008 , 14, 2034-43	83
1084	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. 2008 , 14, 3481-9	37

1083	Structural changes and coordinatively unsaturated metal atoms on dehydration of honeycomb analogous microporous metal-organic frameworks. 2008 , 14, 2389-97	219
1082	Topological classification and supramolecular chirality of 21-helical ladder-type hydrogen-bond networks composed of primary ammonium carboxylates: bundle control in 21-helical assemblies. 2008 , 14, 2984-93	44
1081	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. 2008 , 14, 5237-45	117
1080	A closer look: magnetic behavior of a three-dimensional cyanometalate coordination polymer dominated by a trace amount of nanoparticle impurity. 2008 , 14, 7156-67	14
1079	Coordination chemistry of conformation-flexible 1,2,3,4,5,6-cyclohexanhexacarboxylate: trapping various conformations in metal-organic frameworks. 2008 , 14, 7218-35	70
1078	A new zeolitic topology with sixteen-membered ring and multidimensional large pore channels. 2008 , 14, 7771-3	65
1077	Time-evolving self-organization and autonomous structural adaptation of cobalt(II)-organic framework materials with scu and pts nets. 2008 , 14, 7136-9	37
1076	Zipped-up chain-type coordination polymers: unsymmetrical amide-containing ligands inducing beta-sheet or helical structures. kazu-u@yamaguchi-u.ac.jp. 2008 , 14, 9565-76	42
1075	Self-assembly of L-cysteinato trinuclear cations into metallosupramolecular architectures controlled by protons, metal ions, and chirality. 2008 , 14, 7752-5	25
1074	Deposition of gold clusters on porous coordination polymers by solid grinding and their catalytic activity in aerobic oxidation of alcohols. 2008 , 14, 8456-60	417
1073	Pt@MOF-177: synthesis, room-temperature hydrogen storage and oxidation catalysis. 2008 , 14, 8204-12	252
1072	Structure and charge control in metal-organic frameworks based on the tetrahedral ligand tetrakis(4-tetrazolylphenyl)methane. 2008 , 14, 10280-5	100
1071	MOFs [Metallorganische Gerüststrukturen. Funktionale poröse Materialien. 2008 , 42, 12-19	41
1070	Gas-conforming transformability of an ionic single-crystal host consisting of discrete charged components. 2008 , 47, 1689-92	54
1069	The next generation of shape-persistent zeolite analogues: covalent organic frameworks. 2008 , 47, 445-7	158
1068	Self-assembly of a homochiral nanoscale metallacycle from a metallosalen complex for enantioselective separation. 2008 , 47, 1245-9	135
1067	The versatile chemistry and noncentrosymmetric crystal structures of salt-inclusion vanadate hybrids. 2008 , 47, 3791-4	45
1066	Valence-tautomeric metal-organic nanoparticles. 2008 , 47, 1857-60	136

1065	Cluster-based holey semiconductors. 2008 , 47, 1992-4	15
1064	Kinetic gate-opening process in a flexible porous coordination polymer. 2008 , 47, 3914-8	265
1063	A dynamic, isocyanurate-functionalized porous coordination polymer. 2008 , 47, 3403-6	149
1062	Amine grafting on coordinatively unsaturated metal centers of MOFs: consequences for catalysis and metal encapsulation. 2008 , 47, 4144-8	1031
1061	A channel-free soft-walled capsular calixarene solid for gas adsorption. 2008 , 47, 5616-8	74
1060	A coordinatively linked Yb metal-organic framework demonstrates high thermal stability and uncommon gas-adsorption selectivity. 2008 , 47, 4130-3	260
1059	Chiral octupolar metal-organoboron NLO frameworks with (14,3) topology. 2008 , 47, 4538-41	140
1058	Tandem modification of metal-organic frameworks by a postsynthetic approach. 2008 , 47, 4699-702	207
1057	Cucurbit[6]uril: organic molecular porous material with permanent porosity, exceptional stability, and acetylene sorption properties. 2008 , 47, 3352-5	271
1056	Functionalized coordination space in metal-organic frameworks. 2008 , 47, 8164-8	83
1055	Postsynthetic covalent modification of metal-organic framework (MOF) materials. 2008 , 47, 4635-7	154
1054	Spin-crossover nanocrystals with magnetic, optical, and structural bistability near room temperature. 2008 , 47, 6433-7	254
1053	Hybrid organic-inorganic polyoxometalates: functionalization of V(IV)/V(V) nanosized clusters to produce molecular capsules. 2008 , 47, 6904-8	124
1052	Enhancing H ₂ uptake by "close-packing" alignment of open copper sites in metal-organic frameworks. 2008 , 47, 7263-6	291
1051	Single-crystalline molecular flasks: chemical transformation with bulky reagents in the pores of porous coordination networks. 2008 , 47, 8030-2	87
1050	Comparison of chiral and racemic forms of zinc cyclohexane trans-1,2-dicarboxylate frameworks: a structural, computational, and calorimetric study. 2008 , 47, 8634-7	35
1049	Template-directed assembly of zeolite-like metal-organic frameworks (ZMOFs): a usf-ZMOF with an unprecedented zeolite topology. 2008 , 47, 8446-9	248
1048	A bistable porous coordination polymer with a bond-switching mechanism showing reversible structural and functional transformations. 2008 , 47, 8843-7	172

1047	Post-synthetic modification of tagged metal-organic frameworks. 2008 , 47, 8482-6		255
1046	Ordering and stabilization of metal-organic coordination chains by hierarchical assembly through hydrogen bonding at a surface. 2008 , 47, 8835-8		65
1045	Two-component liquid crystals as chiral reaction media: highly enantioselective photodimerization of an anthracene derivative driven by the ordered microenvironment. 2008 , 47, 8241-5		64
1044	Crystal growth of the nanoporous metal-organic framework HKUST-1 revealed by in situ atomic force microscopy. 2008 , 47, 8525-8		139
1043	Hierarchically micro- and mesoporous metal-organic frameworks with tunable porosity. 2008 , 47, 9487-91		305
1042	Fabrication of two-dimensional polymer arrays: template synthesis of polypyrrole between redox-active coordination nanoslits. 2008 , 47, 9883-6		118
1041	Gas-Conforming Transformability of an Ionic Single-Crystal Host Consisting of Discrete Charged Components. <i>Angewandte Chemie</i> , 2008 , 120, 1713-1716	3.6	12
1040	Die nächste Generation formstabiler Zeolith-Analoga: kovalent gebundene organische Netzwerkverbindungen. <i>Angewandte Chemie</i> , 2008 , 120, 453-455	3.6	41
1039	Self-Assembly of a Homochiral Nanoscale Metallacycle from a Metallosalen Complex for Enantioselective Separation. <i>Angewandte Chemie</i> , 2008 , 120, 1265-1269	3.6	28
1038	The Versatile Chemistry and Noncentrosymmetric Crystal Structures of Salt-Inclusion Vanadate Hybrids. <i>Angewandte Chemie</i> , 2008 , 120, 3851-3854	3.6	1
1037	Valence-Tautomeric Metal-Organic Nanoparticles. <i>Angewandte Chemie</i> , 2008 , 120, 1883-1886	3.6	38
1036	Poröse Halbleiter aus Chalkogenidclustern. <i>Angewandte Chemie</i> , 2008 , 120, 2018-2020	3.6	4
1035	Kinetic Gate-Opening Process in a Flexible Porous Coordination Polymer. <i>Angewandte Chemie</i> , 2008 , 120, 3978-3982	3.6	72
1034	A Dynamic, Isocyanurate-Functionalized Porous Coordination Polymer. <i>Angewandte Chemie</i> , 2008 , 120, 3451-3454	3.6	26
1033	Amine Grafting on Coordinatively Unsaturated Metal Centers of MOFs: Consequences for Catalysis and Metal Encapsulation. <i>Angewandte Chemie</i> , 2008 , 120, 4212-4216	3.6	182
1032	A Channel-Free Soft-Walled Capsular Calixarene Solid for Gas Adsorption. <i>Angewandte Chemie</i> , 2008 , 120, 5698-5700	3.6	21
1031	A Coordinatively Linked Yb Metal-Organic Framework Demonstrates High Thermal Stability and Uncommon Gas-Adsorption Selectivity. <i>Angewandte Chemie</i> , 2008 , 120, 4198-4201	3.6	37
1030	Chiral Octupolar Metal-Organoboron NLO Frameworks with (14,3) Topology. <i>Angewandte Chemie</i> , 2008 , 120, 4614-4617	3.6	25

1029	Tandem Modification of Metal-Organic Frameworks by a Postsynthetic Approach. <i>Angewandte Chemie</i> , 2008 , 120, 4777-4780	3.6	75
1028	Cucurbit[6]uril: Organic Molecular Porous Material with Permanent Porosity, Exceptional Stability, and Acetylene Sorption Properties. <i>Angewandte Chemie</i> , 2008 , 120, 3400-3403	3.6	85
1027	Funktionalisierter Koordinationsraum in metall-organischen Gerüsten. <i>Angewandte Chemie</i> , 2008 , 120, 8285-8289	3.6	25
1026	Postsynthetische kovalente Modifizierung von metall-organischen Gerüsten (MOFs). <i>Angewandte Chemie</i> , 2008 , 120, 4713-4715	3.6	31
1025	Spin-Crossover Nanocrystals with Magnetic, Optical, and Structural Bistability Near Room Temperature. <i>Angewandte Chemie</i> , 2008 , 120, 6533-6537	3.6	98
1024	Hybrid Organic-Inorganic Polyoxometalates: Functionalization of VIV/VV Nanosized Clusters to Produce Molecular Capsules. <i>Angewandte Chemie</i> , 2008 , 120, 7010-7014	3.6	32
1023	Enhancing H ₂ Uptake by Close-Packing/Alignment of Open Copper Sites in Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2008 , 120, 7373-7376	3.6	36
1022	Single-Crystalline Molecular Flasks: Chemical Transformation with Bulky Reagents in the Pores of Porous Coordination Networks. <i>Angewandte Chemie</i> , 2008 , 120, 8150-8152	3.6	28
1021	Comparison of Chiral and Racemic Forms of Zinc Cyclohexane trans-1,2-Dicarboxylate Frameworks: A Structural, Computational, and Calorimetric Study. <i>Angewandte Chemie</i> , 2008 , 120, 8762-8765	3.6	7
1020	Template-Directed Assembly of Zeolite-like Metal-Organic Frameworks (ZMOFs): A <i>cus</i> -ZMOF with an Unprecedented Zeolite Topology. <i>Angewandte Chemie</i> , 2008 , 120, 8574-8577	3.6	19
1019	A Bistable Porous Coordination Polymer with a Bond-Switching Mechanism Showing Reversible Structural and Functional Transformations. <i>Angewandte Chemie</i> , 2008 , 120, 8975-8979	3.6	35
1018	Post-Synthetic Modification of Tagged Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2008 , 120, 8610-8614	3.6	61
1017	Ordering and Stabilization of Metal-Organic Coordination Chains by Hierarchical Assembly through Hydrogen Bonding at a Surface. <i>Angewandte Chemie</i> , 2008 , 120, 8967-8970	3.6	12
1016	Two-Component Liquid Crystals as Chiral Reaction Media: Highly Enantioselective Photodimerization of an Anthracene Derivative Driven by the Ordered Microenvironment. <i>Angewandte Chemie</i> , 2008 , 120, 8365-8369	3.6	15
1015	Crystal Growth of the Nanoporous Metal-Organic Framework HKUST-1 Revealed by In Situ Atomic Force Microscopy. <i>Angewandte Chemie</i> , 2008 , 120, 8653-8656	3.6	40
1014	Hierarchically Micro- and Mesoporous Metal-Organic Frameworks with Tunable Porosity. <i>Angewandte Chemie</i> , 2008 , 120, 9629-9633	3.6	46
1013	Fabrication of Two-Dimensional Polymer Arrays: Template Synthesis of Polypyrrole between Redox-Active Coordination Nanoslits. <i>Angewandte Chemie</i> , 2008 , 120, 10031-10034	3.6	26
1012	Mercury(II) iodide coordination polymers generated from polyimine ligands. 2008 , 27, 1070-1078		50

1011	Four mixed-ligands lead(II) complexes based on 8-hydroxyquinolin (8-HQuin), [Pb(8-Quin)X]; X = 4-pyridinecarboxylate, acetate, thiocyanate and nitrate; structural and thermal studies. 2008 , 361, 1875-1884	13
1010	Thermal, fluorescence, solution and structural studies of one-dimensional AgI coordination polymer with Ag ⁺ Ag and Ag ⁺ Interactions. 2008 , 891, 132-137	17
1009	1D zigzag chain and 0D monomer Cd(II)/Zn(II) compounds based on flexible phenylenediacetic ligand: Synthesis, crystal structures and fluorescent properties. 2008 , 892, 283-288	49
1008	Storage and sorption properties of acetylene in jungle-gym-like open frameworks. 2008 , 3, 1343-9	80
1007	Nanoparticles of a new mercury(II) coordination polymer: synthesis, characterization, thermal and structural studies. 2008 , 61, 2787-2792	5
1006	Spectroscopic, thermal and structural studies of a new mercury(II) one-dimensional coordination polymer, [Hg(3-bpo)2(SCN)2], 3-bpo = 2,5- bis (3-pyridyl)-1,3,4-oxadiazole. 2008 , 61, 2227-2233	2
1005	Sandwich-type tetranuclear lanthanide complexes with cucurbit[6]uril: from molecular compounds to coordination polymers. 2008 , 47, 8869-80	123
1004	Multidentate ligand systems featuring dual functionality. 2008 , 5836-65	193
1003	Recent progress in the immobilization of catalysts for selective oxidation in the liquid phase. 2008 , 1727-37	70
1002	A series of 2D and 3D metal-organic frameworks based on different polycarboxylate anions and a flexible 2,2'-bis(1H-imidazolyl)ether ligand. 2008 , 10, 1410	87
1001	A series of intriguing metal-organic frameworks with 3,3',4,4'- benzophenonetetracarboxylic acid: structural adjustment and pH-dependence. 2008 , 10, 1583	69
1000	Hydrothermal synthesis, crystal structure and fluorescence of a 3D organic-inorganic hybrid coordination network [Cu(4,4'-bipy)]4[Mo8O26] exhibiting an interesting polymorphism. 2008 , 61, 891-899	2
999	La(III) and Eu(III) 2-D coordination polymers of 5-nitroisophthalic acid (H2Nip) and 1,10-phenanthroline (phen), [M(phen)(HNip)(Nip)] n. 2009 , 62, 3921-3929	6
998	1-D chain metal-organic polymers bridged by bis -benzimidazole-based ligands: syntheses, structures, and fluorescent properties. 2009 , 62, 1827-1834	14
997	Modulare Synthese von funktionellen nanoskaligen Koordinationspolymeren. <i>Angewandte Chemie</i> , 2009 , 121, 660-668	3.6 73
996	Zeolitic Boron Imidazolate Frameworks. <i>Angewandte Chemie</i> , 2009 , 121, 2580-2583	3.6 38
995	Metal-Organic Spheres as Functional Systems for Guest Encapsulation. <i>Angewandte Chemie</i> , 2009 , 121, 2361-2365	3.6 37
994	A Thermally and Hydrolytically Stable Microporous Framework Exhibiting Single-Chain Magnetism: Structure and Properties of [Co2(H0.67bdt)3]·20 H2O. <i>Angewandte Chemie</i> , 2009 , 121, 2174-2177	3.6 16

993	Heterogeneously Hybridized Porous Coordination Polymer Crystals: Fabrication of Heterometallic Core-Shell Single Crystals with an In-Plane Rotational Epitaxial Relationship. <i>Angewandte Chemie</i> , 2009 , 121, 1798-1802	3.6	65
992	A Luminescent Microporous Metal-Organic Framework for the Fast and Reversible Detection of High Explosives. <i>Angewandte Chemie</i> , 2009 , 121, 2370-2374	3.6	154
991	A Luminescent Metal-Organic Framework with Lewis Basic Pyridyl Sites for the Sensing of Metal Ions. <i>Angewandte Chemie</i> , 2009 , 121, 508-511	3.6	155
990	Bidirectional Chemo-Switching of Spin State in a Microporous Framework. <i>Angewandte Chemie</i> , 2009 , 121, 4861-4865	3.6	109
989	Metall-organische Ger�fte f�r die Katalyse. <i>Angewandte Chemie</i> , 2009 , 121, 7638-7649	3.6	213
988	Chemische und physikalische L�sungen f�r die Speicherung von Wasserstoff. <i>Angewandte Chemie</i> , 2009 , 121, 6732-6757	3.6	164
987	Wachstumsmechanismen Metall-organischer Ger�tstrukturen: Einblicke in die Keimbildung anhand einer schrittweisen Methodik. <i>Angewandte Chemie</i> , 2009 , 121, 5138-5142	3.6	44
986	Olive-Shaped Chiral Supramolecules: Simultaneous Self-Assembly of Heptameric Lanthanum Clusters and Carbon Dioxide Fixation. <i>Angewandte Chemie</i> , 2009 , 121, 3551-3554	3.6	10
985	Fluorescence emission from 2,6-naphthylene-bridged mesoporous organosilicas with an amorphous or crystal-like framework. 2009 , 15, 219-26		76
984	Microporous polyisocyanurate and its application in heterogeneous catalysis. 2009 , 15, 1077-81		63
983	The extra-framework sub-lattice of the metal-organic framework MIL-110: a solid-state NMR investigation. 2009 , 15, 3139-46		48
982	Alkali metal cation (K ⁺ , Cs ⁺) induced dissolution/reorganization of porous metal carboxylate coordination networks in water. 2009 , 15, 3604-14		39
981	Enhancement of H ₂ adsorption in coordination framework materials by use of ligand curvature. 2009 , 15, 4829-35		106
980	Reversible breaking and forming of metal-ligand coordination bonds: temperature-triggered single-crystal to single-crystal transformation in a metal-organic framework. 2009 , 15, 4896-905		107
979	Lanthanide-based coordination polymers assembled by a flexible multidentate linker: design, structure, photophysical properties, and dynamic solid-state behavior. 2009 , 15, 5273-88		58
978	Heterohexanuclear (Cu ₃ Fe ₃) complexes of substituted hexaazatrinaphthylene (HATN) ligands: twofold BF ₄ ⁻ association in the solid and stepwise oxidation (3e) or reduction (2e) to spectroelectrochemically characterized species. 2009 , 15, 6932-9		27
977	Framework breathing in the vapour-phase adsorption and separation of xylene isomers with the metal-organic framework MIL-53. 2009 , 15, 7724-31		146
976	Synthesis and properties of (tritycenedicarboxylato)zinc coordination networks. 2009 , 15, 5845-53		36

975	A porous coordination polymer with accessible metal sites and its complementary coordination action. 2009 , 15, 4985-9	49
974	Control of channel size for selective guest inclusion with inlaid anionic building blocks in a porous cationic metal-organic host framework. 2009 , 15, 6518-28	40
973	Guest-driven luminescence: lanthanide-based host-guest systems with bimodal emissive properties based on a guest-driven approach. 2009 , 15, 10432-45	66
972	Coordination chemistry: new routes to mesostructured materials. 2009 , 15, 6552-9	40
971	Development of a continuous-flow system for asymmetric hydrogenation using self-supported chiral catalysts. 2009 , 15, 9855-67	54
970	Reversible adsorption and separation of aromatics on Cd(II)-triazole single crystals. 2009 , 15, 10364-8	73
969	Metal-ion-dependent gas sorptivity of elastic layer-structured MOFs. 2009 , 15, 7549-53	60
968	Crown-ether-like Pb(II)-metal framework with dual- and bimodal emissive properties based on its photochromic precursor by leaching. 2009 , 15, 10742-6	55
967	Metal-organic-framework-based catalyst for highly efficient H ₂ generation from aqueous NH ₃ BH ₃ solution. 2009 , 15, 8951-4	49
966	Size selectivity of a copper metal-organic framework and origin of catalytic activity in epoxide alcoholysis. 2009 , 15, 12255-62	82
965	2,2'-Bipyrimidine as efficient sensitizer of the solid-state luminescence of lanthanide and uranyl ions from visible to near-infrared. 2009 , 15, 9686-96	78
964	Metal-organic perovskites: synthesis, structures, and magnetic properties of [C(NH ₂) ₃][M(II)(HCOO) ₃] (M = Mn, Fe, Co, Ni, Cu, and Zn; C(NH ₂) ₃ = guanidinium). 2009 , 15, 12050-64	206
963	Autocatalytic creation of closed dimer and extended helix metallosupramolecular architectures. 2009 , 15, 10021-4	9
962	Facile purification of porous metal terephthalates with ultrasonic treatment in the presence of amides. 2009 , 15, 11730-6	48
961	A 3D copper(II) coordination framework showing different kinetic and thermodynamic crystal transformations through removal of guest water cubes. 2009 , 15, 12974-7	104
960	Ab initio study of the interactions between CO(2) and N-containing organic heterocycles. 2009 , 10, 374-83	164
959	How does your MOF grow?. 2009 , 10, 327-9	49
958	[Al ₄ (OH) ₂ (OCH ₃) ₄ (H ₂ N-bdc) ₃] _x H ₂ O: A 12-Connected Porous Metal-Organic Framework with an Unprecedented Aluminum-Containing Brick. <i>Angewandte Chemie</i> , 2009 , 121, 5265-5268	3.6 62

957	Network Topology of a Hybrid Organic Zinc Phosphate with Bimodal Porosity and Hydrogen Adsorption. <i>Angewandte Chemie</i> , 2009 , 121, 6240-6243	3.6	20
956	Bottom-Up Synthesis of Porous Coordination Frameworks: Apical Substitution of a Pentanuclear Tetrahedral Precursor. <i>Angewandte Chemie</i> , 2009 , 121, 5395-5399	3.6	30
955	Size-Selective Sorption of Small Organic Molecules in One-Dimensional Channels of an Ionic Crystalline Organic-Inorganic Hybrid Compound Stabilized by π -Interactions. <i>Angewandte Chemie</i> , 2009 , 121, 6276-6280	3.6	4
954	Adsorption and Catalytic Properties of the Inner Nanospace of a Gigantic Ring-Shaped Polyoxometalate Cluster. <i>Angewandte Chemie</i> , 2009 , 121, 8859-8862	3.6	31
953	Breathing Transitions in MIL-53(Al) Metal-Organic Framework Upon Xenon Adsorption. <i>Angewandte Chemie</i> , 2009 , 121, 8464-8467	3.6	23
952	Engineering a Metal-Organic Framework Catalyst by Using Postsynthetic Modification. <i>Angewandte Chemie</i> , 2009 , 121, 7560-7563	3.6	66
951	Susumu Kitagawa. <i>Angewandte Chemie</i> , 2009 , 121, 8976-8978	3.6	
950	Oxidative Addition of Halogens on Open Metal Sites in a Microporous Spin-Crossover Coordination Polymer. <i>Angewandte Chemie</i> , 2009 , 121, 9106-9109	3.6	34
949	Self-Assembled Arrays of Single-Walled Metal-Organic Nanotubes. <i>Angewandte Chemie</i> , 2009 , 121, 9625-9628	3.6	22
948	Eine mesopore Metall-organische Gerüstverbindung. <i>Angewandte Chemie</i> , 2009 , 121, 10139-10142	3.6	43
947	Modular synthesis of functional nanoscale coordination polymers. 2009 , 48, 650-8		517
946	Zeolitic boron imidazolate frameworks. 2009 , 48, 2542-5		208
945	Metal-organic spheres as functional systems for guest encapsulation. 2009 , 48, 2325-9		179
944	A thermally and hydrolytically stable microporous framework exhibiting single-chain magnetism: structure and properties of $[\text{Co}_2(\text{H}_0.67\text{bdt})_3] \times 20 \text{ H}_2\text{O}$. 2009 , 48, 2140-3		165
943	Heterogeneously hybridized porous coordination polymer crystals: fabrication of heterometallic core-shell single crystals with an in-plane rotational epitaxial relationship. 2009 , 48, 1766-70		256
942	A luminescent microporous metal-organic framework for the fast and reversible detection of high explosives. 2009 , 48, 2334-8		1106
941	A luminescent metal-organic framework with Lewis basic pyridyl sites for the sensing of metal ions. 2009 , 48, 500-3		980
940	Bidirectional chemo-switching of spin state in a microporous framework. 2009 , 48, 4767-71		430

939	Metal-organic frameworks: opportunities for catalysis. 2009 , 48, 7502-13	1612
938	Chemical and physical solutions for hydrogen storage. 2009 , 48, 6608-30	1065
937	Growth mechanism of metal-organic frameworks: insights into the nucleation by employing a step-by-step route. 2009 , 48, 5038-41	318
936	Olive-shaped chiral supramolecules: simultaneous self-assembly of heptameric lanthanum clusters and carbon dioxide fixation. 2009 , 48, 3499-502	88
935	[Al ₄ (OH) ₂ (OCH ₃) ₄ (H ₂ N-bdc) ₃] x xH ₂ O: a 12-connected porous metal-organic framework with an unprecedented aluminum-containing brick. 2009 , 48, 5163-6	233
934	Network topology of a hybrid organic zinc phosphate with bimodal porosity and hydrogen adsorption. 2009 , 48, 6124-7	71
933	Bottom-up synthesis of porous coordination frameworks: apical substitution of a pentanuclear tetrahedral precursor. 2009 , 48, 5291-5	176
932	Size-selective sorption of small organic molecules in one-dimensional channels of an ionic crystalline organic-inorganic hybrid compound stabilized by pi-pi interactions. 2009 , 48, 6160-4	31
931	Adsorption and catalytic properties of the inner nanospace of a gigantic ring-shaped polyoxometalate cluster. 2009 , 48, 8703-6	80
930	Breathing transitions in MIL-53(Al) metal-organic framework upon xenon adsorption. 2009 , 48, 8314-7	161
929	Engineering a metal-organic framework catalyst by using postsynthetic modification. 2009 , 48, 7424-7	220
928	Susumu Kitagawa. 2009 , 48, 8818-8820	
927	Oxidative addition of halogens on open metal sites in a microporous spin-crossover coordination polymer. 2009 , 48, 8944-7	151
926	Self-assembled arrays of single-walled metal-organic nanotubes. 2009 , 48, 9461-4	110
925	A mesoporous metal-organic framework. 2009 , 48, 9954-7	298
924	Tetrapyridoxycalix[4]arene and its copper(II) complex: an ionic crystal engineering tecton for self-inclusion polymers. 2009 , 64, 157-161	
923	Reversible sorption of hydrogen on the novel hybrid material based on mesoporous chromium(iii) terephthalate with included rhenium clusters. 2009 , 58, 1623-1626	8
922	Silver(I) Complexes with a Bulky Anthracene-Based Dicarboxylic Ligand: Syntheses, Crystal Structures, and Luminescent Properties. 2009 , 635, 523-529	18

921	TI benzene multicarboxylic acid coordination polymers: Structural, thermal and fluorescence studies. 2009 , 362, 1692-1700	29
920	MetalOrganic supramolecular assemblies generated from bismuth(III) bromide and polyimine ligands. 2009 , 28, 703-710	12
919	Novel 3-dimensional sixfold interpenetrating diamondoid networks of copper(I) coordination polymers of polypyridyl ligands Syntheses, characterization and crystal structures. 2009 , 12, 1227-1230	14
918	The assembly of supramolecular boxes and coordination polymers based on bis-zinc-salphen building blocks. 2009 , 4, 50-7	26
917	Control of structure dimensionality and functional studies of flexible Cu(II) coordination polymers. 2009 , 4, 870-5	34
916	A New Family of Bimetallic Framework Materials Showing Reversible Structural Transformations. 2009 , 9, 3104-3110	6
915	Transformation of a Chiral Nanoporous Bimetallic Cyano-Bridged Framework Triggered by Dehydration/Rehydration. 2009 , 9, 3168-3176	17
914	Tuning the framework topologies of Co(II)-doped Zn(II)-tetrazole-benzoate coordination polymers by ligand modifications: structures and spectral studies. 2009 , 48, 3792-9	89
913	Supramolecular networks with 1-substituted benzotriazole ligands and transition metals. 2009 , 62, 3296-3305	5
912	The Fascinating Structure and the Potential of MetalOrganic Frameworks. 2010 , 73-94	1
911	The site-selective molecular recognition of ternary architectures by using supramolecular nanoporous networks at a liquid-solid interface. 2010 , 5, 787-90	24
910	Homoleptic platinum(II) and palladium(II) organothiolates and phenylselenolates: solvothermal synthesis, structural determination, optical properties, and single-source precursors for PdSe and PdS nanocrystals. 2010 , 5, 2062-74	12
909	Heterogeneous Catalysis with Alkaline-Earth Metal-Based MOFs: A Green Calcium Catalyst. 2010 , 2, 147-149	61
908	Anion-Controlled Assembly of Silver(I) Complexes of Multiring Heterocyclic Ligands: A Structural and Photophysical Study. 2010 , 10, 1269-1282	43
907	Self-assembly of coordination polymers constructed from CuCN and unidentate pyridine bases. 2010 , 45, 1307-1314	26
906	Silver coordination polymers with remarkably high packing coefficients. 2010 , 21, 203-211	13
905	Self-assembly of a two-dimensional bimetallic coordination framework and dynamic control of reversible conversions to homo-metallic hydrogen-bond arrays. 2010 , 11, 97-100	28
904	Interfacial systems chemistry: out of the vacuum--through the liquid--into the cell. 2010 , 11, 3201-13	21

903	Can metal-organic framework materials play a useful role in large-scale carbon dioxide separations?. 2010 , 3, 879-91	518
902	Effect of Water Concentration and Acidity on the Synthesis of Porous Chromium Benzenedicarboxylates. 2010 , 2010, 1043-1048	43
901	Accelerated Syntheses of Porous Isostructural Lanthanide Benzenetricarboxylates (LnBTC) Under Ultrasound at Room Temperature. 2010 , 2010, 4975-4981	56
900	Heterogeneous Selective Oxidation of Alkenes to α -Unsaturated Ketones over Coordination Polymer MIL-101. 2010 , 352, 2943-2948	80
899	Metallorganische Gerüstverbindungen (MOFs). 2010 , 82, 1019-1023	13
898	Thermally stable porous hydrogen-bonded coordination networks displaying dual properties of robustness and dynamics upon guest uptake. 2010 , 16, 1841-8	69
897	An interpenetrated framework material with hysteretic CO(2) uptake. 2010 , 16, 276-81	186
896	Synthesis of a metal-organic framework material, iron terephthalate, by ultrasound, microwave, and conventional electric heating: a kinetic study. 2010 , 16, 1046-52	245
895	Guest subset guest subset host multicomponent molecular crystals: entrapment of guest subset guest in honeycomb networks formed by self-assembly of 1,3,5-tri(4-hydroxyaryl)benzenes. 2010 , 16, 7796-802	19
894	The construction of open Gd(III) metal-organic frameworks based on methanetriacetic acid: new objects with an old ligand. 2010 , 16, 4037-47	36
893	Effect of bulkiness on reversible substitution reaction at Mn(II) center with concomitant movement of the lattice DMF: observation through single-crystal to single-crystal fashion. 2010 , 16, 5070-7	30
892	Direct observation of molecular-level template action leading to self-assembly of a porous framework. 2010 , 16, 3926-32	99
891	Water stable Zr-benzenedicarboxylate metal-organic frameworks as photocatalysts for hydrogen generation. 2010 , 16, 11133-8	613
890	Three point chiral recognition and resolution of amino alcohols through well-defined interaction inside a metallocavity. 2010 , 16, 5004-7	20
889	Cu and Au metal-organic frameworks bridge the gap between homogeneous and heterogeneous catalysts for alkene cyclopropanation reactions. 2010 , 16, 9789-95	102
888	Modular, homochiral, porous coordination polymers: rational design, enantioselective guest exchange sorption and ab initio calculations of host-guest interactions. 2010 , 16, 10348-56	59
887	Dynamic calcium metal-organic framework acts as a selective organic solvent sponge. 2010 , 16, 11632-40	50
886	Heterometallic modular metal-organic 3D frameworks assembled via new tris- β -diketonate metalloligands: nanoporous materials for anion exchange and scaffolding of selected anionic guests. 2010 , 16, 12328-41	95

885	Reversible phase transformation and luminescent mechanochromism of Zn(II)-Based coordination frameworks containing a dipyridylamide ligand. 2010 , 16, 9990-3		58
884	Self-assembled nanostructures of tailored multi-metal complexes and morphology control by counter-anion exchange. 2010 , 16, 10638-43		18
883	Crystal-to-crystal transformation from a mononuclear compound in a hydrogen-bonded three-dimensional framework to a layered coordination polymer. 2010 , 16, 9994-7		37
882	Flexibility and sorption selectivity in rigid metal-organic frameworks: the impact of ether-functionalised linkers. 2010 , 16, 14296-306		113
881	One-, two- and three-periodic metal-organic rotaxane frameworks (MORFs): linking cationic transition-metal nodes with an anionic rotaxane ligand. 2010 , 16, 13630-7		53
880	Local Vibrational Mechanism for Negative Thermal Expansion: A Combined Neutron Scattering and First-Principles Study. <i>Angewandte Chemie</i> , 2010 , 122, 595-598	3.6	9
879	Molecular Sieve Membrane: Supported Metal-Organic Framework with High Hydrogen Selectivity. <i>Angewandte Chemie</i> , 2010 , 122, 558-561	3.6	153
878	Single-Crystal to Single-Crystal Photochemical Structural Transformations of Interpenetrated 3 D Coordination Polymers by [2+2] Cycloaddition Reactions. <i>Angewandte Chemie</i> , 2010 , 122, 400-403	3.6	54
877	Fast Molecular Rotor Dynamics Modulated by Guest Inclusion in a Highly Organized Nanoporous Organosilica. <i>Angewandte Chemie</i> , 2010 , 122, 1804-1808	3.6	25
876	Metal-Organic Framework MIL-101 for High-Resolution Gas-Chromatographic Separation of Xylene Isomers and Ethylbenzene. <i>Angewandte Chemie</i> , 2010 , 122, 1519-1522	3.6	39
875	Ion- and Liquid-Assisted Grinding: Improved Mechanochemical Synthesis of Metal-Organic Frameworks Reveals Salt Inclusion and Anion Templating. <i>Angewandte Chemie</i> , 2010 , 122, 724-727	3.6	74
874	Multiferroische Materialien aus Metall-organischen Gerüsten (MOFs). <i>Angewandte Chemie</i> , 2010 , 122, 1965-1967	3.6	17
873	Pore organische Polymere: Muss Ordnung doch nicht sein?. <i>Angewandte Chemie</i> , 2010 , 122, 1575-1577	3.6	15
872	Dipeptide Crystals as Excellent Permselective Materials: Sequential Exclusion of Argon, Nitrogen, and Oxygen. <i>Angewandte Chemie</i> , 2010 , 122, 3098-3100	3.6	10
871	Regioselective Huisgen Cycloaddition within Porous Coordination Networks. <i>Angewandte Chemie</i> , 2010 , 122, 2425-2427	3.6	13
870	Micromolding of a Highly Fluorescent Reticular Coordination Polymer: Solvent-Mediated Reconfigurable Polymerization in a Soft Lithographic Mold. <i>Angewandte Chemie</i> , 2010 , 122, 3845-3849	3.6	4
869	Abscheidung von Kohlendioxid: Perspektiven für neue Materialien. <i>Angewandte Chemie</i> , 2010 , 122, 6194-6219	3.6	275
868	Formtreue organische Käfigverbindungen durch dynamische Bildung kovalenter Bindungen. <i>Angewandte Chemie</i> , 2010 , 122, 5164-5175	3.6	128

867	A Highly Active Heterogeneous Palladium Catalyst for the SuzukiMiyaura and Ullmann Coupling Reactions of Aryl Chlorides in Aqueous Media. <i>Angewandte Chemie</i> , 2010 , 122, 4148-4152	3.6	94
866	Solid Solutions of Soft Porous Coordination Polymers: Fine-Tuning of Gas Adsorption Properties. <i>Angewandte Chemie</i> , 2010 , 122, 4930-4934	3.6	55
865	An Isorecticular Series of MetalOrganic Frameworks with Dendritic Hexacarboxylate Ligands and Exceptionally High Gas-Uptake Capacity. <i>Angewandte Chemie</i> , 2010 , 122, 5485-5489	3.6	91
864	Coordinatively Immobilized Monolayers on Porous Coordination Polymer Crystals. <i>Angewandte Chemie</i> , 2010 , 122, 5455-5458	3.6	30
863	Dynamics of Benzene Rings in MIL-53(Cr) and MIL-47(V) Frameworks Studied by 2H NMR Spectroscopy. <i>Angewandte Chemie</i> , 2010 , 122, 4901-4904	3.6	31
862	A Shape-Persistent Organic Molecular Cage with High Selectivity for the Adsorption of CO ₂ over N ₂ . <i>Angewandte Chemie</i> , 2010 , 122, 6492-6495	3.6	62
861	Generating Reactive MILs: Isocyanate- and Isothiocyanate-Bearing MILs through Postsynthetic Modification. <i>Angewandte Chemie</i> , 2010 , 122, 4748-4752	3.6	24
860	Eine hochporöse Metall-organische Gerüstverbindung mit zugänglichen Nickelzentren. <i>Angewandte Chemie</i> , 2010 , 122, 8667-8670	3.6	30
859	The Reaction of Organozinc Compounds with an Aldehyde within a Crystalline Molecular Flask. <i>Angewandte Chemie</i> , 2010 , 122, 5886-5888	3.6	7
858	Control of Interpenetration for Tuning Structural Flexibility Influences Sorption Properties. <i>Angewandte Chemie</i> , 2010 , 122, 7826-7830	3.6	38
857	MetalOrganic Frameworks from Edible Natural Products. <i>Angewandte Chemie</i> , 2010 , 122, 8812-8816	3.6	55
856	Flexibility in a MetalOrganic Framework Material Controlled by Weak Dispersion Forces: The Bistability of MIL-53(Al). <i>Angewandte Chemie</i> , 2010 , 122, 7663-7665	3.6	30
855	Modular Inorganic Polyoxometalate Frameworks Showing Emergent Properties: Redox Alloys. <i>Angewandte Chemie</i> , 2010 , 122, 7138-7142	3.6	11
854	Cinchona AlkaloidMetal Complexes: Noncovalent Porous Materials with Unique Gas Separation Properties. <i>Angewandte Chemie</i> , 2010 , 122, 7189-7193	3.6	8
853	A Catenated Strut in a Catenated MetalOrganic Framework. <i>Angewandte Chemie</i> , 2010 , 122, 6903-6907	3.6	26
852	Hollow Ferrocenyl Coordination Polymer Microspheres with Micropores in Shells Prepared by Ostwald Ripening. <i>Angewandte Chemie</i> , 2010 , 122, 9423-9427	3.6	39
851	Local vibrational mechanism for negative thermal expansion: a combined neutron scattering and first-principles study. 2010 , 49, 585-8		82
850	Molecular sieve membrane: supported metal-organic framework with high hydrogen selectivity. 2010 , 49, 548-51		497

849	Single-crystal to single-crystal photochemical structural transformations of interpenetrated 3 D coordination polymers by [2+2] cycloaddition reactions. 2010 , 49, 390-3	218
848	Fast molecular rotor dynamics modulated by guest inclusion in a highly organized nanoporous organosilica. 2010 , 49, 1760-4	94
847	Metal-organic framework MIL-101 for high-resolution gas-chromatographic separation of xylene isomers and ethylbenzene. 2010 , 49, 1477-80	368
846	Ion- and liquid-assisted grinding: improved mechanochemical synthesis of metal-organic frameworks reveals salt inclusion and anion templating. 2010 , 49, 712-5	290
845	Multiferroic materials: the attractive approach of metal-organic frameworks (MOFs). 2010 , 49, 1921-3	164
844	Porous organic polymers: distinction from disorder?. 2010 , 49, 1533-5	137
843	Dipeptide crystals as excellent permselective materials: sequential exclusion of argon, nitrogen, and oxygen. 2010 , 49, 3034-6	53
842	Regioselective Huisgen cycloaddition within porous coordination networks. 2010 , 49, 2375-7	42
841	Micromolding of a highly fluorescent reticular coordination polymer: solvent-mediated reconfigurable polymerization in a soft lithographic mold. 2010 , 49, 3757-61	25
840	Carbon dioxide capture: prospects for new materials. 2010 , 49, 6058-82	3035
839	Shape-persistent organic cage compounds by dynamic covalent bond formation. 2010 , 49, 5042-53	334
838	A highly active heterogeneous palladium catalyst for the Suzuki-Miyaura and Ullmann coupling reactions of aryl chlorides in aqueous media. 2010 , 49, 4054-8	449
837	Solid solutions of soft porous coordination polymers: fine-tuning of gas adsorption properties. 2010 , 49, 4820-4	273
836	An isorecticular series of metal-organic frameworks with dendritic hexacarboxylate ligands and exceptionally high gas-uptake capacity. 2010 , 49, 5357-61	622
835	Coordinatively immobilized monolayers on porous coordination polymer crystals. 2010 , 49, 5327-30	121
834	Dynamics of benzene rings in MIL-53(Cr) and MIL-47(V) frameworks studied by 2H NMR spectroscopy. 2010 , 49, 4791-4	115
833	A shape-persistent organic molecular cage with high selectivity for the adsorption of CO ₂ over N ₂ . 2010 , 49, 6348-51	189
832	Generating reactive MILs: isocyanate- and isothiocyanate-bearing MILs through postsynthetic modification. 2010 , 49, 4644-8	108

831	A highly porous metal-organic framework with open nickel sites. 2010 , 49, 8489-92	143
830	The reaction of organozinc compounds with an aldehyde within a crystalline molecular flask. 2010 , 49, 5750-2	41
829	Control of interpenetration for tuning structural flexibility influences sorption properties. 2010 , 49, 7660-4	173
828	Metal-organic frameworks from edible natural products. 2010 , 49, 8630-4	426
827	Flexibility in a metal-organic framework material controlled by weak dispersion forces: the bistability of MIL-53(Al). 2010 , 49, 7501-3	141
826	Modular inorganic polyoxometalate frameworks showing emergent properties: redox alloys. 2010 , 49, 6984-8	47
825	Cinchona alkaloid-metal complexes: noncovalent porous materials with unique gas separation properties. 2010 , 49, 7035-9	41
824	A catenated strut in a catenated metal-organic framework. 2010 , 49, 6751-5	96
823	Hollow ferrocenyl coordination polymer microspheres with micropores in shells prepared by Ostwald ripening. 2010 , 49, 9237-41	158
822	Complexes of 4- and 5-bromo derivatives of 2-(hydroxymethyl)pyridine with copper(II) and cobalt(II) salts. Synthesis and X-ray crystal structures. 2010 , 29, 1854-1862	8
821	The syntheses, characterizations, X-ray crystal structures and properties of Cu(I) complexes of a bis-bidentate schiff base ligand. 2010 , 363, 1707-1712	15
820	Zinc and cadmium complexes of pyridyl-benzotriazole: Syntheses, structures and supramolecular interaction. 2010 , 363, 1320-1324	5
819	Self-assembly and Properties of Three Novel Supramolecular Architectures: Dimensional Increase of Cd/Ag 4-Formylbenzoate Complexes Controlled by Hexamethylenetetramine. 2010 , 636, 2492-2499	4
818	Metal-Organic Frameworks in Monolithic Structures. 2010 , 93, 2476-2479	93
817	Atmend und multivariant. 2010 , 58, 634-639	1
816	Selective gas adsorption in the flexible metal-organic frameworks Cu(BDTr)L (L=DMF, DEF). 2010 , 16, 5902-8	107
815	Two Metatungstate compounds containing supramolecular helical chains. 2010 , 63, 568-578	4
814	Four new coordination polymers constructed from benzene tricarboxylic acid: synthesis, crystal structure, thermal and magnetic properties. 2010 , 39, 9860-5	19

813	Dynamic changes in dimensional structures of co-complex crystals. 2010 , 49, 9247-52	31
812	Mesoporous metal organic framework-boehmite and silica composites. 2010 , 46, 6798-800	65
811	High-Throughput and in Situ Energy Dispersive X-ray Diffraction Investigation on the Formation of the New Metal Organogermanate Cu(OOCC2H4Ge)2O3. 2011 , 11, 5682-5687	18
810	Solvothermal Synthesis, Structure, and Properties of Metal Organic Framework Isomers Derived from a Partially Fluorinated Link. 2011 , 11, 1215-1222	79
809	Unraveling the Optoelectronic and Photochemical Behavior of Zn4O-Based Metal Organic Frameworks. 2011 , 115, 12487-12493	91
808	Hybrid Nanomaterials in Ultrathin Films: the Sol-Gel Method and π -Conjugated Polymers. 2011 , 1017-1049	1
807	A new approach to construct a doubly interpenetrated microporous metal-organic framework of primitive cubic net for highly selective sorption of small hydrocarbon molecules. 2011 , 17, 7817-22	127
806	Synthesis and Characterization of the Mixed-Linker Copper(II) Coordination Polymer [Cu(HO3PC6H4SO3)(C10N2H8)]H2O. 2011 , 637, 1145-1151	11
805	MIL-101 Supported Polyoxometalates: Synthesis, Characterization, and Catalytic Applications in Selective Liquid-Phase Oxidation. 2011 , 51, 281-289	65
804	Synthesis of a titanium-containing Prussian-blue analogue with a well-defined cube structure and its thermal conversion into a nanoporous titanium-iron-based oxide. 2011 , 6, 2282-6	33
803	Crystal-to-crystal transformation from a chain compound to a layered coordination polymer. 2011 , 6, 1367-71	15
802	Metal-organic niccolite: synthesis, structures, phase transition, and magnetic properties of [CH3NH2(CH2)2NH2CH3][M2(HCOO)6] (M=divalent Mn, Fe, Co, Ni, Cu and Zn). 2011 , 6, 3084-96	50
801	Sophisticated crystal transformation of a coordination polymer into mesoporous monocrystalline Ti-Fe-based oxide with room-temperature ferromagnetic behavior. 2011 , 6, 3195-9	17
800	Engineering the Environment of a Catalytic Metal-Organic Framework by Postsynthetic Hydrophobization. 2011 , 3, 675-678	64
799	Syntheses, Structures, Fluorescence and Magnetic Property of Two Complexes with the Asymmetric dpa Ligand. 2011 , 41, 1406-1410	
798	Porous zinc(II)-organic framework with potential open metal sites: Synthesis, structure and property. 2011 , 54, 1436-1440	13
797	Thin-film-based nanoarchitectures for soft matter: controlled assemblies into two-dimensional worlds. 2011 , 7, 1288-308	150
796	Crystal Structures and Physical Properties of Three New Manganese-Based Coordination Polymers with p-Biphenyldicarboxylic Acid Linkers. 2011 , 2011, 549-555	5

795	A Decade of Octacyanides in Polynuclear Molecular Materials. 2011 , 2011, 305-326		92
794	Oxo Boron Clusters and Their Open Frameworks. 2011 , 2011, 3857-3867		82
793	Two Unprecedented Entangled Metal-Organic Salazine Complexes with Coexistence of 2D -3D Polycatenation and meso-Helix. 2011 , 2011, 4656-3663		8
792	Synthesis and Structural Characterization of Palladacycles with Polydentate Ligands by a Stepwise Coupling Route [Palladacycles Containing Halides as Efficient Catalysts and Substrates. 2011 , 2011, 4878-4888		24
791	Structural Flexibility and Sorption Properties of 2D Porous Coordination Polymers Constructed from Trinuclear Heterometallic Pivalates and 4,4'-Bipyridine. 2011 , 2011, 4985-4992		25
790	A Series of 3D Rare-Earth-Metal-Organic Frameworks with Isolated Guest Keggin Silicotungstate Fragments as Anion Templates. 2011 , 2011, 5397-5404		16
789	Thermodynamic methods and models to study flexible metal-organic frameworks. 2011 , 12, 247-58		100
788	Combination of MOFs and zeolites for mixed-matrix membranes. 2011 , 12, 2781-5		196
787	Imprinting Chemical and Responsive Micropatterns into Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2011 , 123, 290-293	3.6	18
786	Bottom-Up Assembly from a Helicate to Homochiral Micro- and Mesoporous Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2011 , 123, 1186-1190	3.6	13
785	Eine Salicylbisimin-Küfigverbindung mit großer spezifischer Oberfläche und selektiver CO ₂ /CH ₄ -Adsorption. <i>Angewandte Chemie</i> , 2011 , 123, 1078-1083	3.6	114
784	Metal-Organic Framework Nanospheres with Well-Ordered Mesopores Synthesized in an Ionic Liquid/CO ₂ /Surfactant System. <i>Angewandte Chemie</i> , 2011 , 123, 662-665	3.6	45
783	Soluble Prussian Blue Nanoworms from the Assembly of Metal-Organic Block Ionomers. <i>Angewandte Chemie</i> , 2011 , 123, 1635-1640	3.6	8
782	Hybrid Zeolitic Imidazolate Frameworks with Catalytically Active TO ₄ Building Blocks. <i>Angewandte Chemie</i> , 2011 , 123, 470-473	3.6	17
781	On-Off Porosity Switching in a Molecular Organic Solid. <i>Angewandte Chemie</i> , 2011 , 123, 775-779	3.6	61
780	Self-Assembled Polymeric Supramolecular Frameworks. <i>Angewandte Chemie</i> , 2011 , 123, 2564-2568	3.6	5
779	A Metal-Organic Framework with Optimized Open Metal Sites and Pore Spaces for High Methane Storage at Room Temperature. <i>Angewandte Chemie</i> , 2011 , 123, 3236-3239	3.6	36
778	Tuning the Spin State of Cobalt in a CoIIa Heterometallic Complex through Controllable Coordination Sphere of La. <i>Angewandte Chemie</i> , 2011 , 123, 5618-5622	3.6	10

- 777 Molekulares Wachstum eines Kern-Schale-Polyoxometallats. *Angewandte Chemie*, **2011**, 123, 5318-5322 3.6 30
- 776 Ab Initio Powder Diffraction Structure Analysis of a Host-Guest Network: Short Contacts between Tetrathiafulvalene Molecules in a Pore. *Angewandte Chemie*, **2011**, 123, 6229-6232 3.6 7
- 775 Funktionelle Gemischtmetall-organische Gerüste mit Metalloliganden. *Angewandte Chemie*, **2011**, 123, 10696-10707 3.6 71
- 774 Highly Conducting Coordination Polymers Based on Infinite M(4,4'-bpy) Chains Flanked by Regular Stacks of Non-Integer TCNQ Radicals. *Angewandte Chemie*, **2011**, 123, 9877-9881 3.6 15
- 773 Poröse Materialien zur CO₂-Abtrennung und -Abscheidung | Entwicklung und Bewertung. *Angewandte Chemie*, **2011**, 123, 11790-11801 3.6 88
- 772 Sequential Functionalization of Porous Coordination Polymer Crystals. *Angewandte Chemie*, **2011**, 123, 8207-8211 3.6 21
- 771 Fast Nucleation and Growth of ZIF-8 Nanocrystals Monitored by Time-Resolved In Situ Small-Angle and Wide-Angle X-Ray Scattering. *Angewandte Chemie*, **2011**, 123, 8217-8221 3.6 47
- 770 A Microporous Copper Metal-Organic Framework with High H₂ and CO₂ Adsorption Capacity at Ambient Pressure. *Angewandte Chemie*, **2011**, 123, 10528-10532 3.6 13
- 769 Assembly of the First Fullerene-Type Metal-Organic Frameworks Using a Planar Five-Fold Coordination Node. *Angewandte Chemie*, **2011**, 123, 8429-8432 3.6 8
- 768 Confinement of Mobile Histamine in Coordination Nanochannels for Fast Proton Transfer. *Angewandte Chemie*, **2011**, 123, 11910-11913 3.6 51
- 767 Diphosphorkomplexe als Bausteine zum Design von phosphorhaltigen metallorganisch-organischen Hybridmaterialien. *Angewandte Chemie*, **2011**, 123, 11718-11722 3.6 20
- 766 A Highly Active and Reusable Self-Assembled Poly(Imidazole/Palladium) Catalyst: Allylic Arylation/Alkenylation. *Angewandte Chemie*, **2011**, 123, 9609-9613 3.6 18
- 765 Solid-State Structural Transformations from 2D Interdigitated Layers to 3D Interpenetrated Structures. *Angewandte Chemie*, **2011**, 123, 11141-11144 3.6 14
- 764 An Organophilic Pervaporation Membrane Derived from Metal-Organic Framework Nanoparticles for Efficient Recovery of Bio-Alcohols. *Angewandte Chemie*, **2011**, 123, 10824-10827 3.6 38
- 763 Network Diversity through Decoration of Trigonal-Prismatic Nodes: Two-Step Crystal Engineering of Cationic Metal-Organic Materials. *Angewandte Chemie*, **2011**, 123, 11623-11626 3.6 28
- 762 Imprinting chemical and responsive micropatterns into metal-organic frameworks. **2011**, 50, 276-9 63
- 761 Bottom-up assembly from a helicate to homochiral micro- and mesoporous metal-organic frameworks. **2011**, 50, 1154-8 76
- 760 A salicylbisimine cage compound with high surface area and selective CO₂/CH₄ adsorption. **2011**, 50, 1046-51 330

759	Metal-organic framework nanospheres with well-ordered mesopores synthesized in an ionic liquid/CO ₂ /surfactant system. 2011 , 50, 636-9	249
758	Soluble Prussian blue nanoworms from the assembly of metal-organic block ionomers. 2011 , 50, 1597-602	38
757	Hybrid zeolitic imidazolate frameworks with catalytically active TO4 building blocks. 2011 , 50, 450-3	320
756	On-off porosity switching in a molecular organic solid. 2011 , 50, 749-53	153
755	Self-assembled polymeric supramolecular frameworks. 2011 , 50, 2516-20	39
754	A metal-organic framework with optimized open metal sites and pore spaces for high methane storage at room temperature. 2011 , 50, 3178-81	321
753	Tuning the spin state of cobalt in a Co-La heterometallic complex through controllable coordination sphere of La. 2011 , 50, 5504-8	41
752	Molecular growth of a core-shell polyoxometalate. 2011 , 50, 5212-6	123
751	Ab initio powder diffraction structure analysis of a host-guest network: short contacts between tetrathiafulvalene molecules in a pore. 2011 , 50, 6105-8	31
750	Functional mixed metal-organic frameworks with metalloligands. 2011 , 50, 10510-20	351
749	Coordination polymer nanostructures. 2011 , 50, 6001-3	18
748	Highly conducting coordination polymers based on infinite M(4,4'-bpy) chains flanked by regular stacks of non-integer TCNQ radicals. 2011 , 50, 9703-7	39
747	Development and evaluation of porous materials for carbon dioxide separation and capture. 2011 , 50, 11586-96	907
746	Sequential functionalization of porous coordination polymer crystals. 2011 , 50, 8057-61	157
745	Fast nucleation and growth of ZIF-8 nanocrystals monitored by time-resolved in situ small-angle and wide-angle X-ray scattering. 2011 , 50, 8067-71	159
744	A microporous copper metal-organic framework with high H ₂ and CO ₂ adsorption capacity at ambient pressure. 2011 , 50, 10344-8	102
743	Assembly of the first fullerene-type metal-organic frameworks using a planar five-fold coordination node. 2011 , 50, 8279-82	24
742	Confinement of mobile histamine in coordination nanochannels for fast proton transfer. 2011 , 50, 11706-9	211

741	Diphosphorus complexes as building blocks for the design of phosphorus-containing organometallic-organic hybrid materials. 2011 , 50, 11516-9	40
740	A highly active and reusable self-assembled poly(imidazole/palladium) catalyst: allylic arylation/alkenylation. 2011 , 50, 9437-41	77
739	Solid-state structural transformations from 2D interdigitated layers to 3D interpenetrated structures. 2011 , 50, 10949-52	99
738	An organophilic pervaporation membrane derived from metal-organic framework nanoparticles for efficient recovery of bio-alcohols. 2011 , 50, 10636-9	276
737	Network diversity through decoration of trigonal-prismatic nodes: two-step crystal engineering of cationic metal-organic materials. 2011 , 50, 11421-4	110
736	Triazine-based polymers as nanostructured supports for the liquid-phase oxidation of alcohols. 2011 , 17, 1052-7	101
735	A family of chiral metal-organic frameworks. 2011 , 17, 2099-106	118
734	Rational synthesis of supramolecular assemblies based on tetraplatinum units: synthesis, characterization, and selective substitution reactions of four different Pt ₄ clusters. 2011 , 17, 3693-709	24
733	Cobalt imidazolate framework as precursor for oxygen reduction reaction electrocatalysts. 2011 , 17, 2063-7	342
732	A chromo-fluorogenic tetrazole-based CoBr ₂ coordination polymer gel as a highly sensitive and selective chemosensor for volatile gases containing chloride. 2011 , 17, 2823-7	93
731	Selective CO ₂ adsorption by a triazacyclononane-bridged microporous metal-organic framework. 2011 , 17, 6689-95	37
730	A new coordination polymer exhibiting unique 2D hydrogen-bonded (H ₂ O) ₁₆ ring formation and water-dependent luminescence properties. 2011 , 17, 9232-41	32
729	Chemical and thermal stability of isotopic metal-organic frameworks: effect of metal ions. 2011 , 17, 6437-42	214
728	Thiodiacetate-manganese chemistry with N ligands: unique control of the supramolecular arrangement over the metal coordination mode. 2011 , 17, 10600-17	24
727	Isostructural metal-anion radical coordination polymers with tunable phosphorescent colors (deep blue, blue, yellow, and white) induced by terminal anions and metal cations. 2011 , 17, 12495-501	20
726	A soft porous organic cage crystal with complex gas sorption behavior. 2011 , 17, 10235-40	74
725	Palladium nanoparticles encapsulated in a metal-organic framework as efficient heterogeneous catalysts for direct C ₂ arylation of indoles. 2011 , 17, 12706-12	170
724	Palladium-catalyzed C-H bond functionalization of a metal-organic framework (MOF): mild, selective, and efficient. 2011 , 17, 11974-7	28

723	Guest-responsive covalent frameworks by the cross-linking of liquid-crystalline salts: tuning of lattice flexibility by the design of polymerizable units. 2011 , 17, 14752-62	22
722	Flexible metal-organic framework with hydrophobic pores. 2011 , 17, 13653-6	46
721	Aqua-(4-nitro-phthalato)bis-[2-(1H-pyrazol-3-yl)pyridine]-zinc(II) hemihydrate. 2010 , 67, m105	
720	Two New Copper(II) Complexes Based on Biphenyl-2,2',6,6'-Tetracarboxylic Acid and Terpyridine: Synthesis, Crystal Structures, and Thermal Properties. 2012 , 42, 1356-1362	1
719	Structure-Directing Effect of Organic Cations in the Assembly of Anionic In(III)/Diazinedicarboxylate Architectures. 2012 , 12, 1501-1512	29
718	Computer-assisted screening of ordered crystalline nanoporous adsorbents for separation of alkane isomers. 2012 , 51, 11867-71	81
717	Update on selective oxidation using gold. 2012 , 41, 350-69	292
716	Two Zn(II) metal-organic frameworks with coordinatively unsaturated metal sites: structures, adsorption, and catalysis. 2012 , 7, 2796-804	93
715	Enhanced Stability in Rigid Peptide-Based Porous Materials. <i>Angewandte Chemie</i> , 2012 , 124, 11206-11210	12
714	Computer-Assisted Screening of Ordered Crystalline Nanoporous Adsorbents for Separation of Alkane Isomers. <i>Angewandte Chemie</i> , 2012 , 124, 12037-12041	3.6 13
713	A Multifunctional Porous Organic Schottky Barrier Diode. <i>Angewandte Chemie</i> , 2012 , 124, 12702-12705	3.6 6
712	Enhanced stability in rigid peptide-based porous materials. 2012 , 51, 11044-8	73
711	A multifunctional porous organic Schottky barrier diode. 2012 , 51, 12534-7	32
710	Ruthenium complexation in an aluminium metal-organic framework and its application in alcohol oxidation catalysis. 2012 , 18, 15337-44	96
709	Molecular gauge blocks for building on the nanoscale. 2012 , 18, 15632-49	23
708	Reversible phase transformation and luminescence of cadmium(II)-dipyridylamide-based coordination frameworks. 2012 , 18, 16443-9	13
707	Trypsin-Immobilized Metal-Organic Framework as a Biocatalyst In Proteomics Analysis. 2012 , 77, 982-986	124
706	Hybridization in Materials Science [Evolution, Current State, and Future Aspirations. 2012 , 2012, 5097-5105	73

705	Self-assembly of glutathione S-transferase into nanowires. 2012 , 4, 5847-51		52
704	Two solvent directed zinc(II) coordination polymers with 1-D single-zigzag chain and 1-D double-zigzag chains. 2012 , 65, 4315-4326		2
703	Syntheses and characterization of four coordination compounds derived from 10,11,12,13-tetrahydro-4,5,9,14-tetraaza-benzo[b]triphenylene and benzene-dicarboxylic acids. 2012 , 65, 4156-4167		6
702	Highly selective chemical sensing in a luminescent nanoporous magnet. 2012 , 24, 5625-9		121
701	On Demand: The Singular rht Net, an Ideal Blueprint for the Construction of a Metal-Organic Framework (MOF) Platform. <i>Angewandte Chemie</i> , 2012 , 124, 10246-10250	3.6	11
700	Crystal-to-Crystal Transformation of Magnets Based on Heptacyanomolybdate(III) Involving Dramatic Changes in Coordination Mode and Ordering Temperature. <i>Angewandte Chemie</i> , 2012 , 124, 9455-9458	3.6	2
699	A Series of Isorecticular, Highly Stable, Porous Zirconium Oxide Based Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2012 , 124, 9401-9405	3.6	83
698	Nano- and Microsized Cubic Gel Particles from Cyclodextrin Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2012 , 124, 10718-10721	3.6	24
697	Crystal Engineering of a Microporous, Catalytically Active fcu Topology MOF Using a Custom-Designed Metalloporphyrin Linker. <i>Angewandte Chemie</i> , 2012 , 124, 10229-10232	3.6	27
696	On demand: the singular rht net, an ideal blueprint for the construction of a metal-organic framework (MOF) platform. 2012 , 51, 10099-103		107
695	Crystal-to-crystal transformation of magnets based on heptacyanomolybdate(III) involving dramatic changes in coordination mode and ordering temperature. 2012 , 51, 9321-4		43
694	A series of isorecticular, highly stable, porous zirconium oxide based metal-organic frameworks. 2012 , 51, 9267-71		366
693	Nano- and microsized cubic gel particles from cyclodextrin metal-organic frameworks. 2012 , 51, 10566-9		150
692	Crystal engineering of a microporous, catalytically active fcu topology MOF using a custom-designed metalloporphyrin linker. 2012 , 51, 10082-5		141
691	Exceptional crystallization diversity and solid-state conversions of Cd(II) coordination frameworks with 5-bromonicotinate directed by solvent media. 2012 , 18, 12437-45		57
690	Supramolecular self-assembly of 1D and 3D heterometallic coordination polymers with triruthenium building blocks. 2012 , 18, 11228-37		8
689	New insights into cinchonine-aluminium complexes and their application as chiral building blocks: unprecedented ligand-exchange processes in the presence of ZnR ₂ compounds. 2012 , 18, 13460-5		13
688	Supramolecular approach by using Jahn-Teller sites to construct a {Mn ₁₃ }-based coordination polymer and modify its magnetic properties. 2012 , 18, 13984-8		28

687	Evidence of photoinduced charge separation in the metal-organic framework MIL-125(Ti)-NH ₂ . 2012 , 13, 3651-4	90
686	Molecular Networks Based on CN Coordination Bonds. 2012 , 2012, 5542-5553	23
685	Microporous Porphyrin-Based Metal Carboxylate Frameworks with Various Accessible Metal Sites: [Cu ₂ (MDDCPP)] [M = Zn ²⁺ , Ni ²⁺ , Pd ²⁺ , Mn ³⁺ (NO ₃), Ru ²⁺ (CO)]. 2012 , 2012, 4885-4897	24
684	Preparation of Various Prussian Blue Analogue Hollow Nanocubes with Single Crystalline Shells. 2012 , 2012, 4795-4799	68
683	Dryness sensitive porous 3D metal-organic framework with unusual dynamic behaviour. 2012 , 14, 765-767	20
682	Synthesis, structure, and magnetic property of Co(II)-based metal-organic framework with 4,4'-oxy bis(benzoate) ligand. 2012 , 65, 681-687	6
681	Bifunctional Metal Organic Framework Catalysts for Multistep Reactions: MOF-Cu(BTC)-[Pd] Catalyst for One-Pot Heteroannulation of Acetylenic Compounds. 2012 , 354, 1347-1355	88
680	Permanent porous materials from discrete organic molecules-towards ultra-high surface areas. 2012 , 18, 10082-91	180
679	Luminescence tuning of MOFs via ligand to metal and metal to metal energy transfer by co-doping of 2[Gd ₂ Cl ₆ (bipy) ₃]·2bipy with europium and terbium. 2012 , 22, 10179	101
678	MOFs for Use in Adsorption Heat Pump Processes. 2012 , 2012, 2625-2634	243
677	One-Dimensional 3D Trimetallic Assemblies Consisting of Cu _{II} Ln _{III} Trinuclear Complexes and Hexacyanometallate. 2012 , 2012, 2784-2791	21
676	Three 3D Metal-Quinolone Complexes Based on Trimetallic or Rod-Shaped Secondary Building Units. 2012 , 2012, 1783-1789	8
675	Microporous Mixed-Metal Layer-Pillared [Zn _{1-x} Cu _x (bdc)(dabco) _{0.5}] MOFs: Preparation and Characterization. 2012 , 2012, 1688-1695	39
674	Vanadium Analogues of Nonfunctionalized and Amino-Functionalized MOFs with MIL-101 Topology [Synthesis, Characterization, and Gas Sorption Properties. 2012 , 2012, 2481-2486	41
673	Structural Variations in Copper(II) Complexes of a Bitopic Bis(pyrazolyl)methane Ligand. 2012 , 2012, 4593-4604	13
672	Synthesis, Structures, and Magnetic Properties of Three 3D Coordination Polymers Based on M ₄ O ₄ Cubanes (M = Mn ^{II} , Fe ^{II} , Co ^{II}). 2012 , 2012, 4029-4035	21
671	Remarkable Adsorption Capacity of CuCl ₂ -Loaded Porous Vanadium Benzenedicarboxylate for Benzothiophene. <i>Angewandte Chemie</i> , 2012 , 124, 1224-1227	3.6 41
670	A Highly Porous and Robust (3,3,4)-Connected Metal-Organic Framework Assembled with a 90° Bridging-Angle Embedded Octacarboxylate Ligand. <i>Angewandte Chemie</i> , 2012 , 124, 1612-1616	3.6 17

- 669 Three-Dimensional Ordered Arrays of 585858 B Hollow Frameworks in Ionic Crystals of M2Zn2-Substituted Polyoxometalates. *Angewandte Chemie*, **2012**, 124, 1629-1633 3.6 18
- 668 Reagent-Installed Capsule Network: Selective Thiocarbamoylation of Aromatic Amines in Crystals with Preinstalled CH3NCS. *Angewandte Chemie*, **2012**, 124, 2429-2431 3.6 4
- 667 High Propene/Propane Selectivity in Isostructural Metal-Organic Frameworks with High Densities of Open Metal Sites. *Angewandte Chemie*, **2012**, 124, 1893-1896 3.6 59
- 666 Rationales Design multifunktionaler Nanoporen durch Mischen passender Moleküle. *Angewandte Chemie*, **2012**, 124, 604-606 3.6 5
- 665 Directional Self-Assembly of a Colloidal Metal-Organic Framework. *Angewandte Chemie*, **2012**, 124, 5736-5739 3.6 27
- 664 Rationale Herstellung eines extrinsisch porösen Molekülkristalls mit einer außergewöhnlich großen spezifischen Oberfläche. *Angewandte Chemie*, **2012**, 124, 5345-5348 3.6 100
- 663 An Alkaline Earth I3O0 Porous Coordination Polymer: [Ba2TMA(NO3)(DMF)]. *Angewandte Chemie*, **2012**, 124, 6211-6215 3.6 7
- 662 Porous Organic Alloys. *Angewandte Chemie*, **2012**, 124, 7266-7269 3.6 22
- 661 Dotierung von Metall-organischen Gerüststrukturen mit Lichtemittern. *Angewandte Chemie*, **2012**, 124, 8557-8559 3.6 15
- 660 Design of Flexible Lewis Acidic Sites in Porous Coordination Polymers by using the Viologen Moiety. *Angewandte Chemie*, **2012**, 124, 8494-8497 3.6 20
- 659 Directional self-assembly of a colloidal metal-organic framework. **2012**, 51, 5638-41 105
- 658 Rational construction of an extrinsic porous molecular crystal with an extraordinary high specific surface area. **2012**, 51, 5252-5 355
- 657 An alkaline earth I3O0 porous coordination polymer: [Ba2TMA(NO3)(DMF)]. **2012**, 51, 6107-11 83
- 656 Porous organic alloys. **2012**, 51, 7154-7 78
- 655 Doping light emitters into metal-organic frameworks. **2012**, 51, 8431-3 123
- 654 Design of flexible Lewis acidic sites in porous coordination polymers by using the viologen moiety. **2012**, 51, 8369-72 67
- 653 Charge matching on designing neutral cadmium-lanthanide-organic open frameworks for luminescence sensing. **2012**, 7, 1069-73 89
- 652 Controlled construction of metal-organic frameworks: hydrothermal synthesis, X-ray structure, and heterogeneous catalytic study. **2012**, 18, 5979-86 76

651	Reversible phase transformation and mechanochromic luminescence of Zn(II)-dipyridylamide-based coordination frameworks. 2012 , 18, 5105-12	38
650	Exo-functionalized shape-persistent [2+3] cage compounds: influence of molecular rigidity on formation and permanent porosity. 2012 , 18, 4156-60	91
649	Controlling state of breathing of two isorecticular microporous metal-organic frameworks with triazole homologues. 2012 , 18, 10525-9	28
648	Tailor-made metal-organic frameworks from functionalized molecular building blocks and length-adjustable organic linkers by stepwise synthesis. 2012 , 18, 8076-83	66
647	Surface-anchored MOF-based photonic antennae. 2012 , 13, 2699-702	54
646	Thermostable Organo-phosphor: Low-Vibrational Coordination Polymers That Exhibit Different Intermolecular Interactions. 2012 , 77, 277-280	53
645	Honeycomb Porous Framework of Zinc(II): Effective Host for Palladium Nanoparticles for Efficient Three-Component (A3) Coupling and Selective Gas Storage. 2012 , 77, 743-747	30
644	Adsorption and separation of light gases on an amino-functionalized metal-organic framework: an adsorption and in situ XRD study. 2012 , 5, 740-50	100
643	Sequestering aromatic molecules with a spin-crossover Fe(II) microporous coordination polymer. 2012 , 18, 8013-8	66
642	A hydrogen-bonded and assembled 3D supramolecular network, [Co(en) ₃] ₂ .5(C ₅ O ₅), with 1D microporous hydrophilic channels showing reversible water ad/de-sorption property. 2012 , 14, 4637	8
641	Effect of ligand flexibility on coordination-driven self-assembly of Pt(II) metallacycles. 2012 , 387, 435-440	8
640	Assembly of 1,2,3-benzenetricarboxylic acid and silver(I) metal center to a novel 3D supramolecular framework: syntheses, structure and properties. 2012 , 89, 7-10	4
639	Modulated synthesis of Zr-fumarate MOF. 2012 , 152, 64-70	255
638	Zinc(II) and cadmium(II) coordination polymers with bis(tetrazole) ligands: Syntheses, structures and luminescent properties. 2012 , 35, 142-148	13
637	A metal-organic framework with highly polar pore surfaces: selective CO ₂ adsorption and guest-dependent on/off emission properties. 2012 , 18, 237-44	61
636	Nanoscale biocoordination polymers: novel materials from an old topic. 2012 , 18, 1030-7	56
635	Metal-organic frameworks constructed from versatile [WS ₄ Cu(x)](x-2) units: micropores in highly interpenetrated systems. 2012 , 18, 2812-24	53
634	A microporous metal-organic framework for highly selective separation of acetylene, ethylene, and ethane from methane at room temperature. 2012 , 18, 613-9	188

633	Periphery-substituted [4+6] salicylbisimine cage compounds with exceptionally high surface areas: influence of the molecular structure on nitrogen sorption properties. 2012 , 18, 836-47	137
632	Reversible solvatomagnetic switching in a spongelike manganese(II)-copper(II) 3D open framework with a pillared square/octagonal layer architecture. 2012 , 18, 1608-17	81
631	Light-harvesting hybrid assemblies. 2012 , 18, 2184-94	118
630	High separation capacity and selectivity of C2 hydrocarbons over methane within a microporous metal-organic framework at room temperature. 2012 , 18, 1901-4	127
629	Acetylene adsorption on CPO-27-M metal-organic frameworks (M=Fe, Co and Ni). 2012 , 13, 445-8	34
628	Synthesis, Crystal Structure and Gas Adsorption Properties of Four Pd/Zn Coordination Polymers Containing Potential Catalytic Active Sites. 2012 , 2012, 807-812	6
627	The Interplay of Hydrogen Bonding and Multiple Metal Binding In A New Cyclic Polyaminopolyalcohol Ligand as Building Block for the Construction of Microporous, Supramolecular Networks. 2012 , 2012, 31-35	6
626	A Novel Zr-Based Porous Coordination Polymer Containing Azobenzenedicarboxylate as a Linker. 2012 , 2012, 790-796	75
625	Dynamic Nuclear Polarization Enhanced Solid-State NMR Spectroscopy of Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2012 , 124, 127-131	3.6 37
624	Remarkable adsorption capacity of CuCl ₂ -loaded porous vanadium benzenedicarboxylate for benzothiophene. 2012 , 51, 1198-201	162
623	Dynamic nuclear polarization enhanced solid-state NMR spectroscopy of functionalized metal-organic frameworks. 2012 , 51, 123-7	145
622	A highly porous and robust (3,3,4)-connected metal-organic framework assembled with a 90° bridging-angle embedded octacarboxylate ligand. 2012 , 51, 1580-4	101
621	Three-dimensional ordered arrays of 585858 B hollow frameworks in ionic crystals of M ₂ Zn ₂ -substituted polyoxometalates. 2012 , 51, 1597-601	62
620	Reagent-installed capsule network: selective thiocarbamoylation of aromatic amines in crystals with preinstalled CH ₃ NCS. 2012 , 51, 2379-81	22
619	High propene/propane selectivity in isostructural metal-organic frameworks with high densities of open metal sites. 2012 , 51, 1857-60	348
618	Rational design of multifunctional nanopores by mixing matching molecules. 2012 , 51, 584-6	16
617	Atom-Economic Synthesis of Optically Active Warfarin Anticoagulant over a Chiral MOF Organocatalyst. 2013 , 355, 2538-2543	28
616	Rapid Solvent-Free Synthesis of Pyridyl-Functionalised [5]Polynorbornane-Based Ligands for Metal-Organic Rings and Cages. 2013 , 2013, 5848-5853	17

615	AuI Catalysis on a Coordination Polymer: A Solid Porous Ligand with Free Phosphine Sites. 2013 , 5, 692-696	35
614	Salen-based coordination polymers of manganese and the rare-earth elements: synthesis and catalytic aerobic epoxidation of olefins. 2013 , 19, 1986-95	59
613	Tandem Postsynthetic Modification of a Metal-Organic Framework by Thermal Elimination and Subsequent Bromination: Effects on Absorption Properties and Photoluminescence. <i>Angewandte Chemie</i> , 2013 , 125, 4636-4641	3.6 20
612	Solid- and solution-state structural transformations in flexible lead(II) supramolecular polymers. 2013 , 15, 8915	17
611	The asc trinodal platform: two-step assembly of triangular, tetrahedral, and trigonal-prismatic molecular building blocks. 2013 , 52, 2902-5	87
610	Facile synthesis of hydroxy-modified MOF-5 for improving the adsorption capacity of hydrogen by lithium doping. 2013 , 8, 2801-6	10
609	Engineering metal-based luminescence in coordination polymers and metal-organic frameworks. 2013 , 42, 9232-42	797
608	Structure and Photoluminescent Properties of Lanthanide Coordination Polymers Formed by the Interweaving of Bis(triple-stranded) Helical Chains. 2013 , 2013, 5631-5640	10
607	Molecularly designed architectures--the metalloligand way. 2013 , 42, 9403-53	189
606	Integration of Ln-Sandwich POMs into Molecular Porous Systems Leading to Self-Assembly of Metal-POM Framework Materials. 2013 , 2013, 4770-4774	18
605	Reversible pore size control of elastic microporous material by mechanical force. 2013 , 19, 13009-16	13
604	Sorption and breathing properties of difluorinated MIL-47 and Al-MIL-53 frameworks. 2013 , 181, 175-181	28
603	Kinetic assembly of a thermally stable porous coordination network based on labile CuI units and the visualization of I ₂ sorption. 2013 , 52, 12395-9	75
602	Controllable syntheses of porous metal-organic frameworks: encapsulation of Ln(III) cations for tunable luminescence and small drug molecules for efficient delivery. 2013 , 19, 14591-9	122
601	Bottom-up synthesis of monodispersed single-crystalline cyano-bridged coordination polymer nanoflakes. 2013 , 52, 1235-9	80
600	Enhanced selectivity of CO(2) over CH(4) in sulphonate-, carboxylate- and iodo-functionalized UiO-66 frameworks. 2013 , 42, 4730-7	143
599	Partially fluorinated MIL-47 and Al-MIL-53 frameworks: influence of functionalization on sorption and breathing properties. 2013 , 15, 3552-61	56
598	The effect of an active guest on the spin crossover phenomenon. 2013 , 52, 1198-202	101

597	Solid-state structural transformations and photoreactivity of 1D-ladder coordination polymers of Pb(II). 2013 , 19, 3962-8		26
596	The Effect of an Active Guest on the Spin Crossover Phenomenon. <i>Angewandte Chemie</i> , 2013 , 125, 1236-1240	3.6	29
595	Binary Janus Porous Coordination Polymer Coatings for Sensor Devices with Tunable Analyte Affinity. <i>Angewandte Chemie</i> , 2013 , 125, 359-363	3.6	32
594	Bottom-Up Synthesis of Monodispersed Single-Crystalline Cyano-Bridged Coordination Polymer Nanoflakes. <i>Angewandte Chemie</i> , 2013 , 125, 1273-1277	3.6	21
593	Binary Janus porous coordination polymer coatings for sensor devices with tunable analyte affinity. 2013 , 52, 341-5		116
592	Diol-linked microporous networks of cubic siloxane cages. 2013 , 19, 1700-5		21
591	Luminescent coordination polymers based on self-assembled cadmium dipyrin complexes. 2013 , 19, 3215-23		35
590	Microwave-assisted synthesis of HKUST-1 and functionalized HKUST-1-@H3PW12O40: selective adsorption of heavy metal ions in water analyzed with synchrotron radiation. 2013 , 14, 2825-32		62
589	Syntheses, characterizations and photoluminescent properties of two novel coordination polymers constructed by poly-carboxylate and N-heterocyclic ligands. 2013 , 1035, 455-461		10
588	Preparation of coordination polymers with 8-hydroxyquinoline azo benzenesulfonic acid as a planar multidentate ligand and the study of their photochemical and photo-stability properties. 2013 , 42, 4831-9		5
587	Zippering and unzipping of a paddlewheel metal-organic framework to enable two-step synthetic and structural transformation. 2013 , 19, 3552-7		24
586	Ligand functionalization and its effect on CO ₂ adsorption in microporous metal-organic frameworks. 2013 , 8, 778-85		37
585	Hybrid Polyfunctional Systems Based on Nickel(II) Isonicotinate. 2013 , 2013, 2580-2590		17
584	Modulation of the Interlayer Structures and Magnetic Behavior of 2D Spin-Crossover Coordination Polymers [FeII(L)2PtII(CN)4]. 2013 , 2013, 738-744		31
583	Kinetically controlled porosity in a robust organic cage material. 2013 , 52, 3746-9		122
582	Formation of a metalloporphyrin-based nanoreactor by postsynthetic metal-ion exchange of a polyhedral-cage containing a metal-metalloporphyrin framework. 2013 , 19, 3297-301		75
581	Metal Organic Frameworks as Solid Catalysts in Condensation Reactions of Carbonyl Groups. 2013 , 355, n/a-n/a		24
580	A General Strategy for the Synthesis of Functionalised UiO-66 Frameworks: Characterisation, Stability and CO ₂ Adsorption Properties. 2013 , 2013, 2154-2160		161

579	Postsynthetic Modification of a Metal-Organic Framework (MOF) Structure for Enantioselective Catalytic Epoxidation. 2013 , 78, 443-450	19
578	Tandem postsynthetic modification of a metal-organic framework by thermal elimination and subsequent bromination: effects on absorption properties and photoluminescence. 2013 , 52, 4538-43	123
577	Di(4-pyridyl) Sulfoxide as an Angled Building Block for Zigzag-Chain Silver(I) Complexes Stabilized by Supramolecular O=S \cdots N Interactions. 2013 , 2013, 2591-2600	9
576	Materials discovery and crystal growth of zeolite A type zeolitic-imidazolate frameworks revealed by atomic force microscopy. 2013 , 19, 8236-43	23
575	Three-dimensional architectures incorporating stereoregular donor-acceptor stacks. 2013 , 19, 8457-65	25
574	Guest-triggered supramolecular isomerism in a pillared-layer structure with unusual isomers of paddle-wheel secondary building units by reversible single-crystal-to-single-crystal transformation. 2013 , 19, 2695-702	74
573	Systematic investigation of silver-carbon bonding in coordination frameworks with aryl ligands that contain ethynyl and ethenyl substituents. 2013 , 19, 5387-400	29
572	Isostructural metal-organic frameworks assembled from functionalized diisophthalate ligands through a ligand-truncation strategy. 2013 , 19, 5637-43	105
571	[Fe(TPT)(2/3){M(I)(CN)2}2]·nSolv (M(I) = Ag, Au): new bimetallic porous coordination polymers with spin-crossover properties. 2013 , 19, 6851-61	27
570	Heterobimetallic cuprates consisting of a redox-switchable, silicon-based metalloligand: synthesis, structures, and electronic properties. 2013 , 19, 8436-46	23
569	Studies on photocatalytic CO(2) reduction over NH ₂ -Uio-66(Zr) and its derivatives: towards a better understanding of photocatalysis on metal-organic frameworks. 2013 , 19, 14279-85	442
568	Tunable spin-crossover behavior of the Hofmann-like network {Fe(bpac)[Pt(CN) ₄]} through host-guest chemistry. 2013 , 19, 15036-43	30
567	Supramolecular assemblies of two piperazine metal-organic bismuth(III) derivatives: a new precursor for the preparation of bismuth(III) oxide bromide nano-structures. 2013 , 66, 3391-3401	3
566	Kinetically Controlled Porosity in a Robust Organic Cage Material. <i>Angewandte Chemie</i> , 2013 , 125, 3834-3837	40
565	Macro- and mesoporous polymers synthesized by a CO ₂ -in-ionic liquid emulsion-templating route. 2013 , 52, 1792-5	32
564	3D Organization of Dysprosium Cubanes. 2013 , 2013, 5879-5885	26
563	Photoluminescent Metal-Organic Frameworks: Rapid Preparation, Catalytic Activity, and Framework Relationships. 2013 , 2013, 5576-5591	11
562	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. 2013 , 19, 16607-14	44

- 561 Expanded organic building units for the construction of highly porous metal-organic frameworks. **2013**, 19, 14886-94 60
- 560 The asc Trinodal Platform: Two-Step Assembly of Triangular, Tetrahedral, and Trigonal-Prismatic Molecular Building Blocks. *Angewandte Chemie*, **2013**, 125, 2974-2977 3.6 17
- 559 Macro- and Mesoporous Polymers Synthesized by a CO₂-in-Ionic Liquid Emulsion-Templating Route. *Angewandte Chemie*, **2013**, 125, 1836-1839 3.6 7
- 558 H, D and HD adsorption upon the metal-organic framework [CuZn(btc)] studied by pulsed ENDOR and HYSCORE spectroscopy. **2013**, 111, 2950-2966 13
- 557 Role-allocated combination of two types of hydrogen bonds towards constructing a breathing diamondoid porous organic salt. **2013**, 19, 3006-16 17
- 556 Kinetic Assembly of a Thermally Stable Porous Coordination Network Based on Labile CuI Units and the Visualization of I₂ Sorption. *Angewandte Chemie*, **2013**, 125, 12621-12625 3.6 18
- 555 Rational Design and Synthesis of Cyano-Bridged Coordination Polymers with Precise Control of Particle Size from 20 to 500 nm. **2013**, 2013, 3141-3145 30
- 554 Polycatenation-driven self-assembly of nanoporous frameworks based on a 1D ribbon of rings: regular structural evolution, interpenetration transformation, and photochemical modification. **2014**, 20, 2488-95 26
- 553 Highly luminescent thin films of the dense framework [B][EuIm₂] with switchable transparency formed by scanning femtosecond-pulse laser deposition. **2014**, 53, 706-10 20
- 552 Magnet design by integration of layer and chain magnetic systems in a Bstacked pillared layer framework. **2015**, 54, 569-73 12
- 551 Well-Defined MetalOrganic Framework Hollow Nanocages. *Angewandte Chemie*, **2014**, 126, 439-443 3.6 57
- 550 Zn -Dipyridylamide-Based Coordination Frameworks: Structural Transformation and Anion Effect. **2014**, 79, 387-393 7
- 549 Strukturierung fester Katalysatoren bis hinab zur atomaren Skala: Wo liegen die Grenzen?. *Angewandte Chemie*, **2014**, 126, 8741-8747 3.6 4
- 548 [B(O₁₆H₄N)₄]-Based Silver and Copper Coordination Polymers. **2014**, 640, 1971-1982 2
- 547 Hybrid surfactant systems with inorganic constituents. **2014**, 53, 946-54 69
- 546 Liquid-phase enantioselective chromatographic resolution using interpenetrated, homochiral framework materials. **2014**, 20, 11308-12 34
- 545 Simultaneous Arrangement of up to Three Different Molecules on the Pore Surface of a MetalMacrocycle Framework: Cooperation and Competition. *Angewandte Chemie*, **2014**, 126, 8450-8455 3.6 5
- 544 Amine-Responsive Adaptable Nanospaces: Fluorescent Porous Coordination Polymer for Molecular Recognition. *Angewandte Chemie*, **2014**, 126, 11966-11971 3.6 26

543	A 3D aluminoborate open framework interpenetrated by 2D zinc-amine coordination-polymer networks in its 11-ring channels. 2014 , 53, 7188-91		96
542	Aromatic N-Arylations Catalyzed by Copper-Anchored Porous Zinc-Based MetalOrganic Framework under Heterogeneous Conditions. 2014 , 6, 2373-2383		36
541	Experimental and computational studies of a multi-electron donor-acceptor ligand containing the thiazolo[5,4-d]thiazole core and its incorporation into a metal-organic framework. 2014 , 20, 17597-605		27
540	Highly Selective H ₂ O ₂ -Based Oxidation of Alkylphenols to p-Benzoquinones Over MIL-125 MetalOrganic Frameworks. 2014 , 2014, 132-139		37
539	Design, synthesis, and X-ray crystal structure of a fullerene-linked metal-organic framework. 2014 , 53, 160-3		46
538	Towards Rational Modulation of In-Plane Molecular Arrangements in MetalOrganic Framework Nanosheets. 2014 , 79, 1352-1360		40
537	A 3D Aluminoborate Open Framework Interpenetrated by 2D ZincAmine Coordination-Polymer Networks in Its 11-Ring Channels. <i>Angewandte Chemie</i> , 2014 , 126, 7316-7319	3.6	17
536	Single-crystal-like nanoporous spinel oxides: a strategy for synthesis of nanoporous metal oxides utilizing metal-cyanide hybrid coordination polymers. 2014 , 20, 17375-84		35
535	distribution of butane in the host water cage of structure II clathrate hydrates. 2014 , 20, 17207-13		30
534	Synthesis and Characterization of the Cerium(III) UV-Emitting 2D-Coordination Polymer 2[Ce ₂ Cl ₆ (4, 4'-bipyridine) ₄][py. 2014 , 640, 2847-2851		13
533	Noble metals can have different effects on photocatalysis over metal-organic frameworks (MOFs): a case study on M/NH ₂ MIL-125(Ti) (M=Pt and Au). 2014 , 20, 4780-8		192
532	Selectively catalytic pastry-shape micro-crystals: A new linear metal-organic framework with [Cu(NO ₃) ₂ (bpd)(DMF)] _n . 2014 , 116, 378-381		13
531	Single-Crystal-to-Single-Crystal Transformation of a Europium(III) MetalOrganic Framework Producing a Multi-responsive Luminescent Sensor. 2014 , 24, 4034-4041		488
530	Supramolecular approaches towards ordered polymer materials. 2014 , 20, 1482-9		9
529	Site-selective synthesis of Janus-type metal-organic framework composites. 2014 , 53, 4001-5		52
528	Crystal engineering of an nbo topology metal-organic framework for chemical fixation of CO ₂ under ambient conditions. 2014 , 53, 2615-9		454
527	Site-Selective Synthesis of Janus-type Metal-Organic Framework Composites. <i>Angewandte Chemie</i> , 2014 , 126, 4082-4086	3.6	22
526	Main-chain organometallic microporous polymers bearing triphenylene-tris(N-heterocyclic carbene)-gold species: catalytic properties. 2014 , 20, 5746-51		37

525	Multi-pyrene assemblies supported on stannoxane frameworks: synthesis, structure and photophysical studies. 2014 , 9, 1403-12	15
524	In situ studies of solvothermal synthesis of energy materials. 2014 , 7, 1594-611	101
523	Liquid Phase Heteroepitaxial Growth of Moisture-Tolerant MOF-5 Isotype Thin Films and Assessment of the Sorption Properties by Quartz Crystal Microbalance. 2014 , 24, 2696-2705	43
522	Modification of extended open frameworks with fluorescent tags for sensing explosives: competition between size selectivity and electron deficiency. 2014 , 20, 2276-91	289
521	Rapid and Cost-Effective Synthesis of Nanosized Zeolitic Imidazolate Framework-7 with N,N'-Dimethylformamide as Solvent and Metal Acetate Salt as Metal Source. 2014 , 79, 907-913	17
520	Coordination-driven folding and assembly of a short peptide into a protein-like two-nanometer-sized channel. 2014 , 53, 7228-32	77
519	Self-assembly of five 8-hydroxyquinolate-based complexes: tunable core, supramolecular structure, and photoluminescence properties. 2014 , 9, 1913-21	17
518	Porous M(II)/pyrimidine-4,6-dicarboxylate neutral frameworks: synthetic influence on the adsorption capacity and evaluation of CO ₂ -adsorbent interactions. 2014 , 20, 1554-68	21
517	Ionic liquids supported on metal-organic frameworks: remarkable adsorbents for adsorptive desulfurization. 2014 , 20, 376-80	164
516	Synthesis of nanoporous carbon-cobalt-oxide hybrid electrocatalysts by thermal conversion of metal-organic frameworks. 2014 , 20, 4217-21	226
515	A stable microporous mixed-metal metal-organic framework with highly active Cu ²⁺ sites for efficient cross-dehydrogenative coupling reactions. 2014 , 20, 1447-52	49
514	A new metal-organic framework with potential for adsorptive separation of methane from carbon dioxide, acetylene, ethylene, and ethane established by simulated breakthrough experiments. 2014 , 2, 2628	74
513	Directing the structural features of N(2)-phobic nanoporous covalent organic polymers for CO(2) capture and separation. 2014 , 20, 772-80	113
512	A multifunctional 3D chiral porous ferroelectric metal-organic framework for sensing small organic molecules and dye uptake. 2014 , 9, 3094-8	29
511	Guest modulation of spin-crossover transition temperature in a porous iron(II) metal-organic framework: experimental and periodic DFT studies. 2014 , 20, 12864-73	46
510	1,2,4,5-Benzenetetrakisulfonic acid and 1,4-benzenedisulfonic acid as sulfo analogues of pyromellitic and terephthalic acids for building coordination polymers of manganese. 2014 , 16, 11064-11077	6
509	Electrochemically generated nanoparticles of halogen-bridged mixed-valence binuclear metal complex chains. 2014 , 20, 7107-15	2
508	Heterobimetallic Metal-Organic Framework as a Precursor to Prepare a Nickel/Nanoporous Carbon Composite Catalyst for 4-Nitrophenol Reduction. 2014 , 6, 3084-3090	25

507	Development of a novel one-pot reaction system utilizing a bifunctional Zr-based metal-organic framework. 2014 , 4, 625		49
506	Amine-responsive adaptable nanospaces: fluorescent porous coordination polymer for molecular recognition. 2014 , 53, 11772-7		153
505	Exceptional CO ₂ adsorbing materials under different conditions. 2014 , 14, 1134-48		22
504	A 3-pyridyl-5,15-diazaporphyrin nickel(II) complex as a bidentate metalloligand for transition metals. 2014 , 53, 13924-7		23
503	Control of solid catalysts down to the atomic scale: where is the limit?. 2014 , 53, 8599-604		22
502	Targeted manipulation of metal-organic frameworks to direct sorption properties. 2014 , 15, 823-39		41
501	Ligand-directed conformation of inorganic-organic molecular capsule and cage. 2014 , 53, 3048-53		28
500	Catalytic Performance of Vanadium MIL-47 and Linker-Substituted Variants in the Oxidation of Cyclohexene: A Combined Theoretical and Experimental Approach. 2014 , 79, 1183-1197		18
499	Coordination-Driven Folding and Assembly of a Short Peptide into a Protein-like Two-Nanometer-Sized Channel. <i>Angewandte Chemie</i> , 2014 , 126, 7356-7360	3.6	25
498	Cascade reactions catalyzed by metal organic frameworks. 2014 , 7, 2392-410		137
497	Photoreversible assembly-disassembly of a polymeric structure by using an azobenzene photoswitch and Al ³⁺ ions. 2014 , 20, 10020-6		8
496	Structural optimization of interpenetrated pillared-layer coordination polymers for ethylene/ethane separation. 2014 , 9, 1643-7		11
495	Flexible and rigid amine-functionalized microporous frameworks based on different secondary building units: supramolecular isomerism, selective CO ₂ capture, and catalysis. 2014 , 20, 4347-56		105
494	A combinatorial approach towards water-stable metal-organic frameworks for highly efficient carbon dioxide separation. 2014 , 7, 2791-5		68
493	A chiral two-dimensional coordination polymer based on Cu II and (S)-4,4'-bis(4-carboxyphenyl)-2,2'-bis(diphenylphosphinoyl)-1,1'-binaphthyl: Synthesis, structure, and magnetic and optical properties. 2014 , 421, 392-398		28
492	A systematic study on the stability of porous coordination polymers against ammonia. 2014 , 20, 15611-7		53
491	A copper-formate framework showing a simple to helical antiferroelectric transition with prominent dielectric anomalies and anisotropic thermal expansion, and antiferromagnetism. 2014 , 20, 15872-83		33
490	Effect of functionalized groups on gas-adsorption properties: syntheses of functionalized microporous metal-organic frameworks and their high gas-storage capacity. 2014 , 20, 1341-8		42

489	Carboxyl group (-CO ₂ H) functionalized coordination polymer nanoparticles as efficient platforms for drug delivery. 2014 , 20, 15443-50	43
488	Arranging Fullerenes through Hydrogen Bonding. 2014 , 2014, 523-528	10
487	Well-defined metal-organic framework hollow nanocages. 2014 , 53, 429-33	255
486	2[Bi ₂ Cl ₆ (pyz) ₄]: a 2D-pyrazine coordination polymer as soft host lattice for the luminescence of the lanthanide ions Sm ³⁺ , Eu ³⁺ , Tb ³⁺ , and Dy ³⁺ . 2014 , 53, 7197-203	26
485	Simultaneous arrangement of up to three different molecules on the pore surface of a metal-macrocycle framework: cooperation and competition. 2014 , 53, 8310-5	27
484	A dynamic metal-organic supramolecular host based on weak π -stacking interactions incorporating 2D water-chloride-methanolic supramolecular sheet. 2014 , 423, 123-132	4
483	Mechanical downsizing of a gadolinium(III)-based metal-organic framework for anticancer drug delivery. 2014 , 20, 10514-8	185
482	Catalytic glucose isomerization by porous coordination polymers with open metal sites. 2014 , 9, 2772-7	49
481	Uniaxial movements of a metal-cyanide framework switched by weak interactions through dehydration and rehydration. 2014 , 20, 8269-73	15
480	Microporous metal-organic frameworks for gas separation. 2014 , 9, 1474-98	157
479	Controlled crystallization of cyano-bridged Cu-Pt coordination polymers with two-dimensional morphology. 2014 , 9, 1511-4	13
478	From metal-organic framework to intrinsically fluorescent carbon nanodots. 2014 , 20, 8279-82	50
477	Luminescent mechanochromic porous coordination polymers. 2014 , 20, 644-8	56
476	Highly-Effective Structural Modulation of Trisaloph Heterotetranuclear Zn ₃ La Complex by Anion Coordination. 2014 , 87, 334-340	8
475	Photofunctional Lanthanoid Complexes, Coordination Polymers, and Nanocrystals for Future Photonic Applications. 2014 , 87, 1029-1057	37
474	Design, Synthesis, and X-Ray Crystal Structure of a Fullerene-Linked Metal-Organic Framework. <i>Angewandte Chemie</i> , 2014 , 126, 164-167	3.6 7
473	A 3-Pyridyl-5,15-Diazaporphyrin Nickel(II) Complex as a Bidentate Metalloligand for Transition Metals. <i>Angewandte Chemie</i> , 2014 , 126, 14144-14147	3.6 11
472	Schaltbare Transparenz in hochgradig lumineszierenden dünnen Filmen der Raumnetzverbindung 3[Eulm ₂] abgeschieden durch Femto-Laserablation. <i>Angewandte Chemie</i> , 2014 , 126, 723-728	3.6 3

471	Crystal Engineering of an nbo Topology Metal-Organic Framework for Chemical Fixation of CO ₂ under Ambient Conditions. <i>Angewandte Chemie</i> , 2014 , 126, 2653-2657	3.6	87
470	Hybride Tensidsysteme mit anorganischen Bestandteilen. <i>Angewandte Chemie</i> , 2014 , 126, 962-970	3.6	8
469	Targeted functionalization of porous materials for separation of alcohol/water mixtures by modular assembly. 2014 , 20, 14846-52		16
468	Defektmanipulierte Metall-organische Gerüste. <i>Angewandte Chemie</i> , 2015 , 127, 7340-7362	3.6	85
467	Coordination polymer flexibility leads to polymorphism and enables a crystalline solid-vapour reaction: a multi-technique mechanistic study. 2015 , 21, 8799-811		21
466	Reversed Crystal Growth of RHO Zeolitic Imidazolate Framework (ZIF). 2015 , 21, 19090-5		12
465	Crystal structure of bis-[tris-(1,10-phenanthroline- κ^2 N,N')cobalt(II)] tetra-nitrate N,N'-(1,4-phenyl-enedicarbonyl)diglycine solvate octa-hydrate. 2015 , 71, 910-4		5
464	Azide Chemistry [An Inorganic Perspective, Part II] [3+2]-Cycloaddition Reactions of Metal Azides and Related Systems. 2015 , 641, 1599-1678		58
463	Heterogenität innerhalb von Ordnung in Metall-organischen Gerüsten. <i>Angewandte Chemie</i> , 2015 , 127, 3480-3494	3.6	67
462	Orthogonal Insertion of Lanthanide and Transition-Metal Atoms in Metal-Organic Networks on Surfaces. <i>Angewandte Chemie</i> , 2015 , 127, 6261-6265	3.6	7
461	Direct Air Capture of CO ₂ by Physisorbent Materials. <i>Angewandte Chemie</i> , 2015 , 127, 14580-14585	3.6	29
460	Influence of the Base on Pd@MIL-101-NH ₂ (Cr) as Catalyst for the Suzuki-Miyaura Cross-Coupling Reaction. 2015 , 21, 10896-902		42
459	Metal-Organic Frameworks as a Versatile Tool To Study and Model Energy Transfer Processes. 2015 , 21, 15474-9		62
458	Versatile Tailoring of Paddle-Wheel Zn(II) Metal-Organic Frameworks through Single-Crystal-to-Single-Crystal Transformations. 2015 , 21, 16083-90		31
457	Adsorptive Separation of Acetylene from Light Hydrocarbons by Mesoporous Iron Trimesate MIL-100(Fe). 2015 , 21, 18431-8		45
456	Synthesis and Morphology of a Shape-Persistent Macrocyclic with endo-Amines and an Inner Tetraethylene Glycol Ether Bridge. 2015 , 4, 788-793		1
455	Sequential Synthesis of Coordination Polymersomes. <i>Angewandte Chemie</i> , 2015 , 127, 1155-1159	3.6	3
454	An Efficient Nanoscale Heterogeneous Catalyst for the Capture and Conversion of Carbon Dioxide at Ambient Pressure. <i>Angewandte Chemie</i> , 2015 , 127, 1002-1005	3.6	60

453	Structural Variety of Cobalt(II), Nickel(II), Zinc(II), and Cadmium(II) Complexes with 4,4'-Azopyridine: Synthesis, Structure and Luminescence Properties. 2015 , 10, 2388-96		14
452	Tetranuclear Uranyl Polyrotaxanes: Preferred Selectivity toward Uranyl Tetramer for Stabilizing a Flexible Polyrotaxane Chain Exhibiting Weakened Supramolecular Inclusion. 2015 , 21, 10226-35		24
451	A New Synthetic Route to Microporous Silica with Well-Defined Pores by Replication of a Metal-Organic Framework. 2015 , 21, 12148-52		7
450	Combination of Optimization and Metalated-Ligand Exchange: An Effective Approach to Functionalize UiO-66(Zr) MOFs for CO ₂ Separation. 2015 , 21, 17246-55		64
449	Significantly Enhanced Separation using ZIF-8 Membranes by Partial Conversion of Calcined Layered Double Hydroxide Precursors. 2015 , 8, 3582-6		30
448	Coordination Assembly of Discoid Nanoparticles. <i>Angewandte Chemie</i> , 2015 , 127, 9094-9098	3.6	3
447	Unusual Transformation from a Solvent-Stabilized 1D Coordination Polymer to a Metal-Organic Framework (MOF)-Like Cross-Linked 3D Coordination Polymer. 2015 , 21, 15570-4		4
446	Direct Air Capture of CO ₂ by Physisorbent Materials. 2015 , 54, 14372-7		260
445	Ligand Symmetry Modulation for Designing a Mesoporous Metal-Organic Framework: Dual Reactivity to Transition and Lanthanide Metals for Enhanced Functionalization. 2015 , 21, 9713-9		53
444	Metal-Organic Frameworks (MOFs) as Multivalent Materials: Size Control and Surface Functionalization by Monovalent Capping Ligands. 2015 , 21, 10296-301		31
443	Growth of Two-Dimensional Metal-Organic Framework Nanosheet Crystals on Graphite Substrates by Thermal Equilibrium Treatment in Acetic Acid Vapor. 2015 , 1, 259-263		8
442	Theoretical Insights into the Tuning of Metal Binding Sites of Paddlewheels in rht-Metal-Organic Frameworks. 2015 , 16, 3170-9		14
441	Coordination Assembly of Discoid Nanoparticles. 2015 , 54, 8966-70		21
440	Exploiting Large-Pore Metal-Organic Frameworks for Separations through Entropic Molecular Mechanisms. 2015 , 16, 2046-67		25
439	Magnet Design by Integration of Layer and Chain Magnetic Systems in a Stacked Pillared Layer Framework. <i>Angewandte Chemie</i> , 2015 , 127, 579-583	3.6	8
438	Selective Sensing of Fe(3+) and Al(3+) Ions and Detection of 2,4,6-Trinitrophenol by a Water-Stable Terbium-Based Metal-Organic Framework. 2015 , 21, 15705-12		266
437	An Ideal Detector Composed of Two-Dimensional Cd(II)-Triazole Frameworks for Nitro-Compound Explosives and Potassium Dichromate. 2015 , 21, 14171-8		34
436	High CO /CH Selectivity of a Flexible Copper(II) Porous Coordination Polymer under Humid Conditions. 2015 , 80, 1517-1524		15

435	Design of Lead(II) Metal-Organic Frameworks Based on Covalent and Tetrel Bonding. 2015 , 21, 17951-8	84
434	Rational Design and Synthesis of a Highly Porous Copper-Based Interpenetrated Metal-Organic Framework for High CO and H Adsorption. 2015 , 80, 1259-1266	7
433	Post-Synthetic Shaping of Porosity and Crystal Structure of Ln-Bipy-MOFs by Thermal Treatment. 2015 , 20, 12125-53	12
432	Sponge-Like Behaviour in Isorecticular Cu(Gly-His-X) Peptide-Based Porous Materials. 2015 , 21, 16027-34	25
431	Luminescent MOFs and Frameworks. 2015 ,	2
430	Single crystal-to-single crystal site-selective postsynthetic metal exchange in a Zn-MOF based on semi-rigid tricarboxylic acid and access to bimetallic MOFs. 2015 , 21, 2759-65	27
429	A novel coordination polymer constructed from flexible bis-methylbenzimidazole ligand and aromatic polycarboxylate. 2015 , 41, 64-68	2
428	Controlled synthesis of nanoporous nickel oxide with two-dimensional shapes through thermal decomposition of metal-cyanide hybrid coordination polymers. 2015 , 21, 3605-12	54
427	pH-Tuned Modulation of 1D Chain to 3D Metal-Organic Framework: Synthesis, Structure and Their Useful Application in the Heterogeneous Claisen-Schmidt Reaction. 2015 , 80, 591-598	12
426	"Heterogeneity within order" in metal-organic frameworks. 2015 , 54, 3417-30	390
425	Turn-on fluorescence and unprecedented encapsulation of large aromatic molecules within a manganese(II)-triazole metal-organic confined space. 2015 , 21, 2107-16	54
424	Photoluminescent One-Dimensional Coordination Polymers from Suitable Pyridine Antenna and LnCl ₃ for Visible and Near-IR Emission. 2015 , 2015, 826-836	17
423	Stable Multiresponsive Luminescent MOF for Colorimetric Detection of Small Molecules in Selective and Reversible Manner. 2015 , 27, 5349-5360	191
422	Influence of morphology and defects in crystals of porous coordination polymers on the sorption characteristics. 2015 , 41, 353-361	2
421	Photoinduced postsynthetic polymerization of a metal-organic framework toward a flexible stand-alone membrane. 2015 , 54, 4259-63	191
420	Photoinduced Postsynthetic Polymerization of a Metal-Organic Framework toward a Flexible Stand-Alone Membrane. <i>Angewandte Chemie</i> , 2015 , 127, 4333-4337	3.6 50
419	Orthogonal insertion of lanthanide and transition-metal atoms in metal-organic networks on surfaces. 2015 , 54, 6163-7	46
418	Structural Transformation of Zn -Dipyridylamide-Based Coordination Frameworks: Hybrid-Ligand and Metal Effects. 2015 , 80, 878-885	3

417	Defect-Engineered Metal-Organic Frameworks. 2015 , 54, 7234-54			703
416	Hierarchical embedding of micro-mesoporous MIL-101(Cr) in macroporous poly(2-hydroxyethyl methacrylate) high internal phase emulsions with monolithic shape for vapor adsorption applications. 2015 , 204, 242-250			48
415	Sequential synthesis of coordination polymersomes. 2015 , 54, 1139-43			13
414	¹¹³ Cd solid-state NMR for probing the coordination sphere in metal-organic frameworks. 2015 , 21, 1118-24			23
413	Porous coordination polymers of diverse topologies based on a twisted tetrapyrrolylbiaryl: application as nucleophilic catalysts for acetylation of phenols. 2015 , 21, 2241-9			28
412	An efficient nanoscale heterogeneous catalyst for the capture and conversion of carbon dioxide at ambient pressure. 2015 , 54, 988-91			237
411	A Bifunctional Metal-Organic Framework: Striking CO -Selective Sorption Features along with Guest-Induced Tuning of Luminescence. 2016 , 81, 702-707			12
410	Direct Evidence of CO Capture under Low Partial Pressure on a Pillared Metal-Organic Framework with Improved Stabilization through Intramolecular Hydrogen Bonding. 2016 , 81, 850-856			17
409	Gadolinium(III)-Based Porous Luminescent Metal-Organic Frameworks for Bimodal Imaging. 2016 , 81, 728-732			27
408	Flexible Metal-Organic Frameworks with Discriminatory Gate-Opening Effect for the Separation of Acetylene from Ethylene/Acetylene Mixtures. 2016 , 2016, 4457-4462			32
407	Radical Polymerization of Vinyl Monomers in Porous Organic Cages. <i>Angewandte Chemie</i> , 2016 , 128, 6553-6557	3.6	10	
406	Hybrid Ultra-Microporous Materials for Selective Xenon Adsorption and Separation. <i>Angewandte Chemie</i> , 2016 , 128, 8425-8429	3.6	27	
405	Hybrid Ultra-Microporous Materials for Selective Xenon Adsorption and Separation. 2016 , 55, 8285-9			100
404	Hydrogen Storage and Selective, Reversible O ₂ Adsorption in a Metal-Organic Framework with Open Chromium(II) Sites. 2016 , 55, 8605-9			84
403	A Breathing Zirconium Metal-Organic Framework with Reversible Loss of Crystallinity by Correlated Nanodomain Formation. 2016 , 22, 3264-3267			34
402	Tuning Mixed-Valent Eu(2+) /Eu(3+) in Strontium Formate Frameworks for Multichannel Photoluminescence. 2016 , 22, 11170-5			29
401	Recent Advances in Heterogeneous Catalysis with Controlled Nanostructured Precious Monometals. 2016 , 8, 2303-2316			30
400	Solid-State Molecular Nanomagnet Inclusion into a Magnetic Metal-Organic Framework: Interplay of the Magnetic Properties. 2016 , 22, 539-45			55

399	Metal-Organic Frameworks as Catalysts for Oxidation Reactions. 2016 , 22, 8012-24		109
398	Bifunktionale Sauerstoffelektroden durch Einbettung von Co@Co ₃ O ₄ -Nanopartikeln in CNT-gekoppelte Stickstoff-dotierte Kohlenstoffpolyeder. <i>Angewandte Chemie</i> , 2016 , 128, 4155-4160	3.6	80
397	Metal-Organic Framework (MOF) Compounds: Photocatalysts for Redox Reactions and Solar Fuel Production. 2016 , 55, 5414-45		675
396	Co@Co ₃ O ₄ Encapsulated in Carbon Nanotube-Grafted Nitrogen-Doped Carbon Polyhedra as an Advanced Bifunctional Oxygen Electrode. 2016 , 55, 4087-91		869
395	A Threefold Interpenetrated Pillared-Layer Metal-Organic Framework for Selective Separation of C ₂ H ₂ /CH ₄ and CO ₂ /CH ₄ . 2016 , 81, 764-769		17
394	Hydrogen Storage and Selective, Reversible O ₂ Adsorption in a Metal-Organic Framework with Open Chromium(II) Sites. <i>Angewandte Chemie</i> , 2016 , 128, 8747-8751	3.6	18
393	Three-Dimensional Metal-Fullerene Frameworks. 2016 , 22, 5982-7		19
392	A Crystalline Copper(II) Coordination Polymer for the Efficient Visible-Light-Driven Generation of Hydrogen. 2016 , 55, 2073-7		120
391	Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. 2016 , 55, 5195-200		83
390	Radical Polymerization of Vinyl Monomers in Porous Organic Cages. 2016 , 55, 6443-7		24
389	Intercalation of Varied Sulfonates into a Layered MOC: Confinement-Caused Tunable Luminescence and Novel Properties. 2016 , 22, 5327-34		16
388	Anion-Directed Copper(II) Metallocages, Coordination Chain, and Complex Double Salt: Structures, Magnetic Properties, EPR Spectra, and Density Functional Study. 2016 , 22, 7238-47		12
387	Research Progress of Metal-Organic Frameworks Based on Aromatic Polycarboxylic Acid. 2016 , 34, 143-156		15
386	Carboxylate-Hydrazone Mixed-Linker Metal-Organic Frameworks: Synthesis, Structure, and Selective Gas Adsorption. 2016 , 2016, 4450-4456		22
385	Defects and Disorder in MOFs. 2016 , 795-822		1
384	Group 3 Elements and Lanthanide Metals. 2016 , 231-270		1
383	Photochemical Reduction of Low Concentrations of CO ₂ in a Porous Coordination Polymer with a Ruthenium(II)-O Complex. <i>Angewandte Chemie</i> , 2016 , 128, 2747-2750	3.6	35
382	A Crystalline Copper(II) Coordination Polymer for the Efficient Visible-Light-Driven Generation of Hydrogen. <i>Angewandte Chemie</i> , 2016 , 128, 2113-2117	3.6	24

- 381 Stereoselective Halogenation of Integral Unsaturated C-C Bonds in Chemically and Mechanically Robust Zr and Hf MOFs. **2016**, 22, 4870-7 57
- 380 Heterometallic Alkaline Earth-Lanthanide Ba(II)-La(III) Microporous Metal-Organic Framework as Bifunctional Luminescent Probes of Al(3+) and MnO4(.). **2016**, 55, 4391-402 163
- 379 High Gas Adsorption Capacity of an agw-Type Metal-Organic Framework Decorated with Methyl Groups. **2016**, 2016, 4727-4730 2
- 378 Cyano-Bridged Trimetallic Coordination Polymer Nanoparticles and Their Thermal Decomposition into Nanoporous Spinel Ferromagnetic Oxides. **2016**, 22, 15042-15048 8
- 377 A Structurally Variable Porous Organic Salt Based on a Multidirectional Supramolecular Cluster. **2016**, 22, 15430-15436 10
- 376 Crystal Dynamics in Multi-stimuli-Responsive Entangled Metal-Organic Frameworks. **2016**, 22, 15864-15873 39
- 375 Variation of Desolvation Behavior in Two Isostructural Metal-Organic Frameworks Based on a Flexible, Racemic Bifunctional Organic Linker. **2016**, 2016, 4430-4439 3
- 374 Recognition of 1,3-Butadiene by a Porous Coordination Polymer. *Angewandte Chemie*, **2016**, 128, 13988-13992 4
- 373 Recognition of 1,3-Butadiene by a Porous Coordination Polymer. **2016**, 55, 13784-13788 38
- 372 The Impact of Mesopores on the Mechanical Stability of HKUST-1: A Multiscale Investigation. **2016**, 2016, 4517-4523 17
- 371 An Ultrahydrophobic Fluorous Metal-Organic Framework Derived Recyclable Composite as a Promising Platform to Tackle Marine Oil Spills. **2016**, 22, 10937-43 75
- 370 Innovative Concept of Designing Primary Explosives by Introducing Polymers: Preparation and Investigation of $\{[Ca(CHZ)_2](ClO_4)_2\}_n$ (CHZ = carbohydrazide). **2016**, 2016, 3978-3983 7
- 369 Application of Rigidity-Controlled Supramolecular Affinity Materials for the Gravimetric Detection of Hazardous and Illicit Compounds. **2016**, 81, 926-929 13
- 368 Hydrothermal Synthesis of Metal-Polyphenol Coordination Crystals and Their Derived Metal/N-doped Carbon Composites for Oxygen Electrocatalysis. *Angewandte Chemie*, **2016**, 128, 12658-12662 32
- 367 Hydrothermal Synthesis of Metal-Polyphenol Coordination Crystals and Their Derived Metal/N-doped Carbon Composites for Oxygen Electrocatalysis. **2016**, 55, 12470-4 140
- 366 Structural elucidation, EPR and magnetic interpretation of lanthanide (Ln = La, Nd, Sm) compounds with 4,4'-bipyridine and 2-sulfoterephthalate. **2016**, 453, 128-134 6
- 365 Surfactant-Free Palladium Nanoparticles Encapsulated in ZIF-8 Hollow Nanospheres for Size-Selective Catalysis in Liquid-Phase Solution. **2016**, 8, 3224-3228 32
- 364 Coordination Polymers of M2L2 Macrocycles and M3L2 Podands Containing Tris (pyridyl) Tripodal Amide: Anion Bridging, Ag⁺Ag Interactions and Solid-State Luminescence. **2016**, 1, 2299-2306 0

363	Hydrated Proton-Conductive Metal-Organic Frameworks. 2016 , 81, 691-701		83
362	A Highly Water-Tolerant Magnesium(II) Coordination Polymer Derived from a Flexible Layered Structure. 2016 , 22, 11042-7		4
361	Tuning Pore Size in Square-Lattice Coordination Networks for Size-Selective Sieving of CO ₂ . <i>Angewandte Chemie</i> , 2016 , 128, 10424-10428	3.6	34
360	Tuning Pore Size in Square-Lattice Coordination Networks for Size-Selective Sieving of CO ₂ . 2016 , 55, 10268-72		185
359	Key Non-Metal Ingredients for Cu-catalyzed "Click" Reactions in Glycerol: Nanoparticles as Efficient Forwarders. 2016 , 22, 18247-18253		15
358	Polystyrene Sulfonate Threaded through a Metal-Organic Framework Membrane for Fast and Selective Lithium-Ion Separation. <i>Angewandte Chemie</i> , 2016 , 128, 15344-15348	3.6	40
357	A Multi-responsive Regenerable Europium-Organic Framework Luminescent Sensor for Fe ³⁺ , Cr Anions, and Picric Acid. 2016 , 22, 18769-18776		212
356	Polystyrene Sulfonate Threaded through a Metal-Organic Framework Membrane for Fast and Selective Lithium-Ion Separation. 2016 , 55, 15120-15124		178
355	Photochemical Reduction of Low Concentrations of CO ₂ in a Porous Coordination Polymer with a Ruthenium(II)-CO Complex. 2016 , 55, 2697-700		159
354	Anion- and Solvent-Induced Assembly and Reversible Structural Transformation of d(10)-Metal Coordination Architectures Containing N-(4-(4-Aminophenoxy)phenyl)isonicotinamide. 2016 , 22, 1522-30		5
353	Metall-organische Ger�tverbindungen: Photokatalysatoren f�r Redoxreaktion und die Produktion von Solarbrennstoffen. <i>Angewandte Chemie</i> , 2016 , 128, 5504-5535	3.6	69
352	A Twofold Interpenetrated Metal-Organic Framework with High Performance in Selective Separation of C ₂ H ₂ /CH ₄ . 2016 , 81, 770-774		28
351	A Chiral 3 D Net with 2 D Cairo Pentagonal Tiling Projection in Site-Modified CuCN/CuSCN Networks. 2016 , 81, 724-727		3
350	Unraveling Inter- and Intrachain Electronics in Polythiophene Assemblies Mediated by Coordination Nanospaces. <i>Angewandte Chemie</i> , 2016 , 128, 718-723	3.6	8
349	Glass Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. <i>Angewandte Chemie</i> , 2016 , 128, 5281-5286	3.6	17
348	Unraveling Inter- and Intrachain Electronics in Polythiophene Assemblies Mediated by Coordination Nanospaces. 2016 , 55, 708-13		41
347	A Versatile Cu Metal-Organic Framework Exhibiting High Gas Storage Capacity with Selectivity for CO : Conversion of CO to Cyclic Carbonate and Other Catalytic Abilities. 2016 , 22, 3387-3396		95
346	Solvent-mediated supramolecular templated assembly of a metal organophosphonate via a crystal�morphous�crystal transformation. 2016 , 18, 54-61		10

345	Mechanical Alloying of Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2017 , 129, 2453-2457	3.6	14
344	Mechanical Alloying of Metal-Organic Frameworks. 2017 , 56, 2413-2417		30
343	Application of metal-organic frameworks. 2017 , 66, 731-744		116
342	PEG-Induced Synthesis of Coordination-Polymer Isomers with Tunable Architectures and Iodine Capture. 2017 , 12, 615-620		29
341	Dimensionally Controlled Assembly of an External Stimuli-Responsive [Co Fe] Complex into Supramolecular Hydrogen-Bonded Networks. 2017 , 23, 5193-5197		22
340	Anisotropically Swelling Gels Attained through Axis-Dependent Crosslinking of MOF Crystals. 2017 , 56, 2608-2612		37
339	Solvent-Adaptive Behavior of Oligospirobifluorenes at the Surface of Quartz Crystal Microbalances-A Conformational Process. 2017 , 82, 1116-1120		3
338	Screening the Effect of Water Vapour on Gas Adsorption Performance: Application to CO Capture from Flue Gas in Metal-Organic Frameworks. 2017 , 10, 1543-1553		57
337	Engineered Au Core@Prussian Blue Analogous Shell Nanoheterostructures: Their Magnetic and Optical Properties. 2017 , 23, 7483-7496		9
336	Anisotropically Swelling Gels Attained through Axis-Dependent Crosslinking of MOF Crystals. <i>Angewandte Chemie</i> , 2017 , 129, 2652-2656	3.6	15
335	Acid-Responsive -Heteroacene-Based Material Showing Multi-Emission Colors. 2017 , 6, 242-246		14
334	Grain-Boundary-Free Super-Proton Conduction of a Solution-Processed Prussian-Blue Nanoparticle Film. <i>Angewandte Chemie</i> , 2017 , 129, 5623-5627	3.6	15
333	Grain-Boundary-Free Super-Proton Conduction of a Solution-Processed Prussian-Blue Nanoparticle Film. 2017 , 56, 5531-5535		41
332	Enhancement of Growth of MOF MIL-68(Al) Thin Films on Porous Alumina Tubes Using Different Linking Agents. 2017 , 2017, 2532-2540		14
331	Post-Synthesis Amine Borane Functionalization of a Metal-Organic Framework and Its Unusual Chemical Hydrogen Release Phenomenon. 2017 , 23, 8823-8828		5
330	Post-cycloaddition modification of a porous MOF for improved GC separation of ethanol and water. 2017 , 46, 7092-7097		12
329	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. 2017 , 56, 578-581		42
328	Switchable Dielectric Constant in the Cyanometalate-Based Hydrogen-Bonded [(CH ₃) ₂ NH ₂] ₂ (H ₃ O)[Co(CN) ₆] Framework. 2017 , 2017, 3685-3689		9

327	Heterogeneous Catalysis in Zeolites, Mesoporous Silica, and Metal-Organic Frameworks. 2017 , 29, 1701139	350
326	Bistable Solid-State Fluorescence Switching in Photoluminescent, Infinite Coordination Polymers. 2017 , 23, 10017-10022	6
325	Self-Assembly and Local Manipulation of Au-Pyridyl Coordination Networks on Metal Surfaces. 2017 , 18, 2088-2093	11
324	Recent Advances and Perspectives on the Zinc-Catalyzed Nitroaldol (Henry) Reaction. 2017 , 6, 1349-1360	22
323	Two-Dimensional Metal-Organic Framework Nanosheets for Membrane-Based Gas Separation. 2017 , 56, 9757-9761	270
322	Two-Dimensional Metal-Organic Framework Nanosheets for Membrane-Based Gas Separation. <i>Angewandte Chemie</i> , 2017 , 129, 9889-9893	3.6 49
321	Electrically Activated Conductivity and White Light Emission of a Hydrocarbon Nanoring-Induced Assembly. <i>Angewandte Chemie</i> , 2017 , 129, 11348-11354	3.6 16
320	Activation-Dependent Breathing in a Flexible Metal-Organic Framework and the Effects of Repeated Sorption/Desorption Cycling. 2017 , 56, 8874-8878	41
319	A Coordination Network with Ligand-Centered Redox Activity Based on facial-[Cr(2-mercaptophenolato)] Metalloligands. 2017 , 23, 9919-9925	2
318	Coordination-Supported Imidazolate Networks: Water- and Heat-Stable Mesoporous Polymers for Catalysis. 2017 , 23, 10038-10042	3
317	The Role of Side-Arms for Supramolecular Affinity Materials Based on 9,9'-Spirobifluorenes. 2017 , 2017, 3501-3504	3
316	Activation-Dependent Breathing in a Flexible Metal-Organic Framework and the Effects of Repeated Sorption/Desorption Cycling. <i>Angewandte Chemie</i> , 2017 , 129, 9000-9004	3.6 6
315	Xenon Recovery at Room Temperature using Metal-Organic Frameworks. 2017 , 23, 10758-10762	25
314	Spontaneous Weaving of Graphitic Carbon Networks Synthesized by Pyrolysis of ZIF-67 Crystals. <i>Angewandte Chemie</i> , 2017 , 129, 8555-8560	3.6 31
313	Spontaneous Weaving of Graphitic Carbon Networks Synthesized by Pyrolysis of ZIF-67 Crystals. 2017 , 56, 8435-8440	275
312	Fine-Tunable Electronic Energy Levels of Mixed-Metal Prussian-Blue Alloy Nanoparticles. 2017 , 3, 288-291	6
311	Mechanochemical Reactivity of Square-Planar Nickel Complexes and Pyridyl-Based Spacers for the Solid-State Preparation of Coordination Polymers: The Case of Nickel Diethyldithiophosphate and 4,4'-Bipyridine. 2017 , 2017, 1908-1914	4
310	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie</i> , 2017 , 129, 593-596	3.6 15

309	Concomitant Formation of Compositionally Distinct Coordination Polymers Based on a Triacid Linker: Solvent-Mediated Metamorphosis. 2017 , 2017, 1163-1170		2
308	An In-Depth Structural Study of the Carbon Dioxide Adsorption Process in the Porous Metal-Organic Frameworks CPO-27-M. 2017 , 10, 1710-1719		24
307	Strategies for Enhancing the Catalytic Performance of Metal-Organic Frameworks in the Fixation of CO into Cyclic Carbonates. 2017 , 10, 1283-1291		64
306	Effective Photo- and Triboluminescent Europium(III) Coordination Polymers with Rigid Triangular Spacer Ligands. 2017 , 23, 2666-2672		20
305	In Situ Generation and Immobilization of an Activated Rh Complex Catalyst in a Metal-Organic Framework for Hydrogenation at Low H ₂ Pressure. 2017 , 2017, 5344-5349		1
304	Creation of "Rose Petal" and "Lotus Leaf" Effects on Alumina by Surface Functionalization and Metal-Ion Coordination. <i>Angewandte Chemie</i> , 2017 , 129, 16234-16238	3.6	9
303	Creation of "Rose Petal" and "Lotus Leaf" Effects on Alumina by Surface Functionalization and Metal-Ion Coordination. 2017 , 56, 16018-16022		22
302	Encapsulation of Isolated Luminophores within Supramolecular Cages. 2017 , 56, 14003-14006		29
301	Encapsulation of Isolated Luminophores within Supramolecular Cages. <i>Angewandte Chemie</i> , 2017 , 129, 14191-14194	3.6	8
300	Aqueous and Template-Free Synthesis of Meso-Macroporous Polymers for Highly Selective Capture and Conversion of Carbon Dioxide. 2017 , 10, 4144-4149		24
299	Self-Assembly of Nucleobase, Nucleoside and Nucleotide Coordination Polymers: From Synthesis to Applications. 2017 , 3, 670-684		42
298	Structural Diversification of Light-Metal Coordination Polymers Using 4-(Methylsulfonyl)benzoate with a Charge-Polarized Neutral Methylsulfonyl Coordination Moiety. 2017 , 2017, 4013-4019		1
297	Simultaneous Degradation and Removal of Cr from Aqueous Solution with Zr-Based Metal-Organic Frameworks Bearing Inherent Reductive Sites. 2017 , 23, 15415-15423		39
296	Excitonically Coupled States in Crystalline Coordination Networks. 2017 , 23, 14316-14322		23
295	Controlled Growth of Metal-Organic Frameworks on Polymer Brushes. 2017 , 23, 13337-13341		7
294	Macrocyclic-ligand Induced Synthesis of Aryl Ethynides with Divergent Silver(I) Clusters. 2017 , 35, 1824-1828		5
293	Synthesis of phosphonosulfonic acid building blocks as linkers for coordination polymers. 2017 , 41, 8870-8876		6
292	Well-Defined Cyanometallate Coordination-Polymer Nanoarchitectures Realized by Wet-Chemical Manipulation. 2017 , 3, 780-789		9

291	Cadmium-BINOL Metal-Organic Framework for the Separation of Alcohol Isomers. 2017 , 23, 874-885	7
290	An Antibacterial ZnMOF with Hydrazinebenzoate Linkers. 2017 , 2017, 574-580	48
289	Postsynthetic Incorporation of a Singlet Oxygen Photosensitizer in a Metal-Organic Framework for Fast and Selective Oxidative Detoxification of Sulfur Mustard. 2017 , 23, 214-218	74
288	MetalOrganic Framework Derived Carbon Nanotube Grafted Cobalt/Carbon Polyhedra Grown on Nickel Foam: An Efficient 3D Electrode for Full Water Splitting. 2017 , 4, 188-193	31
287	Guest-Dependent Spin-Transition Behavior of Porous Coordination Polymers. 2017 , 23, 2236-2248	69
286	A Redox-Switchable Germylene and its Ligating Properties in Selected Transition Metal Complexes. 2017 , 23, 1173-1186	42
285	Magnetic Switching by the In Situ Electrochemical Control of Quasi-Spin-Peierls Singlet States in a Three-Dimensional Spin Lattice Incorporating TTF-TCNQ Salts. 2018 , 24, 4294-4303	11
284	Multielectron-Transfer-based Rechargeable Energy Storage of Two-Dimensional Coordination Frameworks with Non-Innocent Ligands. 2018 , 57, 8886-8890	120
283	Separation of Acetylene from Carbon Dioxide and Ethylene by a Water-Stable Microporous Metal-Organic Framework with Aligned Imidazolium Groups inside the Channels. 2018 , 57, 7869-7873	140
282	Phase Transition Induced by Gas Adsorption in Metal-Organic Frameworks. 2018 , 24, 8530-8534	10
281	Reversible Switching between Highly Porous and Nonporous Phases of an Interpenetrated Diamondoid Coordination Network That Exhibits Gate-Opening at Methane Storage Pressures. 2018 , 57, 5684-5689	108
280	A [4+2] Condensation Strategy to Imine-Linked Single-Crystalline Zeolite-Like Zinc Phosphate Frameworks. 2018 , 24, 6178-6190	12
279	Influence of Filler Pore Structure and Polymer on the Performance of MOF-Based Mixed-Matrix Membranes for CO Capture. 2018 , 24, 7949-7956	33
278	Reversible Switching between Highly Porous and Nonporous Phases of an Interpenetrated Diamondoid Coordination Network That Exhibits Gate-Opening at Methane Storage Pressures. <i>Angewandte Chemie</i> , 2018 , 130, 5786-5791	3.6 17
277	One-Step Synthesis of Hybrid CoreShell MetalOrganic Frameworks. <i>Angewandte Chemie</i> , 2018 , 130, 3991-3996	3.6 20
276	One-Step Synthesis of Hybrid Core-Shell Metal-Organic Frameworks. 2018 , 57, 3927-3932	87
275	An Organic Mixed-Valence Ligand for Multistate Redox-Active Coordination Networks. 2018 , 57, 4717-4721	11
274	Efficient CO Removal for Ultra-Pure CO Production by Two Hybrid Ultramicroporous Materials. 2018 , 57, 3332-3336	38

273	Efficient CO ₂ Removal for Ultra-Pure CO Production by Two Hybrid Ultramicroporous Materials. <i>Angewandte Chemie</i> , 2018 , 130, 3390-3394	3.6	8
272	Structural Diversity and Selective CO ₂ Adsorption of Metal-Organic Frameworks Built with a Flexible Dipyridyl Ligand and Different Carboxylates. 2018 , 3, 785-793		5
271	Alkylation-, Heating-, and Doping-Induced Emission Enhancement of a Polyaromatic Tube in the Solid State. 2018 , 13, 515-519		3
270	A Moisture-Stable 3D Microporous Co-Metal-Organic Framework with Potential for Highly Selective CO Separation under Ambient Conditions. 2018 , 24, 5982-5986		29
269	Use of the TCNQF Dianion in the Spontaneous Redox Formation of [Fe(L)][TCNQF]. 2018 , 83, 658-668		2
268	Synthesis and Electric Properties of a Two-Dimensional Metal-Organic Framework Based on Phthalocyanine. 2018 , 24, 1806-1810		76
267	Emergence of Surface- and Interface-Induced Structures and Properties in Metal-Organic Framework Thin Films. 2018 , 2018, 1697-1706		21
266	MOF-Derived Cobalt Phosphide/Carbon Nanocubes for Selective Hydrogenation of Nitroarenes to Anilines. 2018 , 24, 4234-4238		53
265	Novel Br ⁻ (Chelate) Interaction in a 1D Coordination Polymer Revealing Aromaticity. 2018 , 3, 4289-4291		16
264	An Organic Mixed-Valence Ligand for Multistate Redox-Active Coordination Networks. <i>Angewandte Chemie</i> , 2018 , 130, 4807-4811	3.6	
263	Microscopic Insights on the Multiferroic Perovskite-Like [CH ₃ NH][Co(COOH)] Compound. 2018 , 24, 388-399		10
262	In situ monitoring metal-ligand exchange processes by optical spectroscopy and X-ray diffraction analysis: a review. 2018 , 37,		5
261	Cu ₆ S ₆ Clusters as a Building Block for the Stabilization of Coordination Polymers with NiAs, NaCl, and Related Structures: Synthesis, Structure, and Catalytic Studies. 2018 , 2018, 739-750		5
260	Highly efficient electrochemiluminescence on microporous MOFs containing zinc secondary building units with a pcu net. 2018 , 258, 841-844		6
259	Purely Physisorption-Based CO-Selective Gate-Opening in Microporous Organically Pillared Layered Silicates. <i>Angewandte Chemie</i> , 2018 , 130, 573-577	3.6	4
258	Covalent Organic Frameworks and Cage Compounds: Design and Applications of Polymeric and Discrete Organic Scaffolds. 2018 , 57, 4850-4878		293
257	Kovalente organische Netzwerke und Kfigverbindungen: Design und Anwendungen von polymeren und diskreten organischen Gerften. <i>Angewandte Chemie</i> , 2018 , 130, 4942-4972	3.6	86
256	Joint Experimental and Computational Investigation of the Flexibility of a Diacetylene-Based Mixed-Linker MOF: Revealing the Existence of Two Low-Temperature Phase Transitions and the Presence of Colossal Positive and Giant Negative Thermal Expansions. 2018 , 24, 1586-1605		6

255	Controlled Pyrolysis of Ni-MOF-74 as a Promising Precursor for the Creation of Highly Active Ni Nanocatalysts in Size-Selective Hydrogenation. 2018 , 24, 898-905		54
254	Stabilizing a Vanadium Oxide Catalyst by Supporting on a Metal-Organic Framework. 2018 , 10, 1772-1777		18
253	Supramolecular Organization in Confined Nanospaces. 2018 , 19, 1249-1297		42
252	Reticular Chemistry of Multifunctional Metal-Organic Framework Materials. 2018 , 58, 949-961		16
251	A Dynamically Stabilized Single-Nickel Electrocatalyst for Selective Reduction of Oxygen to Hydrogen Peroxide. 2018 , 24, 17011-17018		9
250	Aerobic Oxidation of Benzylic Hydrocarbons by Iron-Based Metal Organic Framework as Solid Heterogeneous Catalyst. 2018 , 3, 12155-12162		2
249	Gallium Coordination Polymers Based on Bis-pyridylethylene Containing Neutral and Cationic 1D Chains and 2D Networks. 2018 , 644, 1791-1795		6
248	Solvent-Mediated Synthesis of Cyclobutane Isomers in a Photoactive Cadmium(II) Porous Coordination Polymer. 2018 , 57, 15563-15566		28
247	Solvent-Mediated Synthesis of Cyclobutane Isomers in a Photoactive Cadmium(II) Porous Coordination Polymer. <i>Angewandte Chemie</i> , 2018 , 130, 15789-15792	3.6	5
246	Activity of M ₂ (BDC) ₂ (DABCO) (M= Co, Ni, Cu and Zn) Metal-Organic Frameworks Prepared via Ball-Milling Solvent-Free Method in Acylation of Alcohols, Amines and Aldehydes. 2018 , 3, 11223-11229		6
245	A Switch in the Hydrophobic/Hydrophilic Gas-Adsorption Character of Prussian Blue Analogues: An Affinity Control for Smart Gas Sorption. 2019 , 25, 479-484		5
244	Verbesserung der Selektivität und Kinetik bei der photooxidativen Zyklisierung mittels supramolekularer Kontrolle. <i>Angewandte Chemie</i> , 2018 , 130, 13850-13854	3.6	5
243	Micropatterned Ultrathin MOF Membranes with Enhanced Molecular Sieving Property. <i>Angewandte Chemie</i> , 2018 , 130, 14088-14092	3.6	5
242	Enhancing Selectivity and Kinetics in Oxidative Photocyclization by Supramolecular Control. 2018 , 57, 13662-13665		18
241	Micropatterned Ultrathin MOF Membranes with Enhanced Molecular Sieving Property. 2018 , 57, 13892-13896		29
240	Multielectron-Transfer-based Rechargeable Energy Storage of Two-Dimensional Coordination Frameworks with Non-Innocent Ligands. <i>Angewandte Chemie</i> , 2018 , 130, 9024-9028	3.6	23
239	Storage of CO into Porous Coordination Polymer Controlled by Molecular Rotor Dynamics. 2018 , 57, 8687-8690		44
238	Trinuclear Dioxidomolybdenum(VI) Complexes of Tritopic Phloroglucinol-Based Ligands and Their Catalytic Applications for the Selective Epoxidation of Olefins. 2018 , 2018, 2952-2964		9

237	Separation of Acetylene from Carbon Dioxide and Ethylene by a Water-Stable Microporous Metal-Organic Framework with Aligned Imidazolium Groups inside the Channels. <i>Angewandte Chemie</i> , 2018 , 130, 7995-7999	3.6	44
236	Water Tetramer Confinement and Photosensitive Schottky Behavior of a 2D Coordination Polymer. 2018 , 3, 6985-6991		13
235	Delamination and Photochemical Modification of a Novel Two-Dimensional Zr-Based Metal-Organic Frameworks. 2018 , 24, 12848-12855		5
234	Drinking and Breathing: Solvent Coordination-driven Plasticity of IRMOF-9. 2018 , 58, 1131-1137		6
233	Guest-Induced Structural Transformations in a Porous Halogen-Bonded Framework. 2018 , 57, 12086-12091		31
232	Guest-Induced Structural Transformations in a Porous Halogen-Bonded Framework. <i>Angewandte Chemie</i> , 2018 , 130, 12262-12267	3.6	8
231	Atomic Force Microscopy Study of the Influence of the Synthesis Conditions on the Single-Crystal Surface of Interdigitated Metal-Organic Frameworks. 2018 , 19, 2134-2138		6
230	Design and Synthesis of Zirconium-Containing Coordination Polymer Based on Unsymmetric Indolyl Dicarboxylic Acid and Catalytic Application on Borrowing Hydrogen Reaction. 2018 , 360, 4293-4300		33
229	Folic Acid Derived Bimetallic-Doped Hollow Carbon Nanostructures for Efficient Electrocatalytic Oxygen Evolution. 2018 , 13, 3274-3280		13
228	Photogeneration of Microporous Amorphous Coordination Polymers from Organometallic Ionic Liquids. 2018 , 24, 9490-9493		15
227	Storage of CO ₂ into Porous Coordination Polymer Controlled by Molecular Rotor Dynamics. <i>Angewandte Chemie</i> , 2018 , 130, 8823-8826	3.6	12
226	Core-Shell Crystals of Porous Organic Cages. <i>Angewandte Chemie</i> , 2018 , 130, 11398-11402	3.6	11
225	Dual Site Lewis-Acid Metal-Organic Framework Catalysts for CO ₂ Fixation: Counteracting Effects of Node Connectivity, Defects and Linker Metalation. 2018 , 10, 3506-3512		38
224	Core-Shell Crystals of Porous Organic Cages. 2018 , 57, 11228-11232		29
223	Sol-Gel Synthesis of Metal-Phenolic Coordination Spheres and Their Derived Carbon Composites. <i>Angewandte Chemie</i> , 2018 , 130, 9986-9991	3.6	22
222	Sol-Gel Synthesis of Metal-Phenolic Coordination Spheres and Their Derived Carbon Composites. 2018 , 57, 9838-9843		69
221	Monitoring the Effect of Different Metal Centers in Metal-Organic Frameworks and Their Adsorption of Aromatic Molecules using Experimental and Simulation Studies. 2018 , 24, 14044-14047		5
220	Materials with Nanoscale Porosity: Energy and Environmental Applications. 2019 , 19, 333-346		6

219	Design and synthesis of covalent organic frameworks towards energy and environment fields. 2019 , 355, 602-623	141
218	A Low-Temperature Approach for the Phase-Pure Synthesis of MIL-140 Structured Metal-Organic Frameworks. 2019 , 25, 13598-13608	6
217	Biomimetic Nanocones that Enable High Ion Permselectivity. <i>Angewandte Chemie</i> , 2019 , 131, 12776-12784	10
216	Monovalent Cation-Phenolic Crystals with pH-Driven Reversible Crystal Transformation. 2019 , 25, 12281-12287	5
215	Proton Transportation Behavior in Lanthanide Tartrate Metal-Organic Frameworks. 2019 , 2019, 3424-3429	4
214	Lock-and-Key and Shape-Memory Effects in an Unconventional Synthetic Path to Magnesium Metal-Organic Frameworks. 2019 , 58, 11757-11762	32
213	Engineering Metal-Organic Framework Catalysts for C-C and C-X Coupling Reactions: Advances in Reticular Approaches from 2014-2018. 2019 , 25, 16451	15
212	Biomimetic Nanocones that Enable High Ion Permselectivity. 2019 , 58, 12646-12654	23
211	Efficient Separation of n-Butene and iso-Butene by Flexible Ultramicroporous Metal-Organic Frameworks with Pocket-like Cavities. 2019 , 14, 3572-3576	14
210	1,10-Phenanthroline Carboxylic Acids for Preparation of Functionalized Metal-Organic Frameworks. 2019 , 8, 2128-2142	4
209	Lock-and-Key and Shape-Memory Effects in an Unconventional Synthetic Path to Magnesium Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2019 , 131, 11883-11888	3.6 7
208	Loading Photochromic Molecules into a Luminescent Metal-Organic Framework for Information Anticounterfeiting. 2019 , 58, 18025-18031	98
207	Fabrication of a Zn(II)-Based 2D Pillar Bilayer Metal-Organic Framework for Antimicrobial Activity. 2019 , 4, 9947-9951	12
206	Cd(II) Based Coordination Polymer Series: Fascinating Structures, Efficient Semiconductors, and Promising Nitro Aromatic Sensing. 2019 , 19, 6431-6447	34
205	Tailoring Coordination Polymers by Substituent Effect: A Bifunctional Co -Doped 1D-Coordination Network with Electrochemical Water Oxidation and Nitroaromatics Sensing. 2019 , 14, 3742-3747	12
204	Loading Photochromic Molecules into a Luminescent Metal-Organic Framework for Information Anticounterfeiting. <i>Angewandte Chemie</i> , 2019 , 131, 18193-18199	3.6 30
203	Tuning the Gate-Opening Pressure in a Switching pcu Coordination Network, X-pcu-5-Zn, by Pillar-Ligand Substitution. 2019 , 58, 18212-18217	24
202	Humidity-A Powerful Tool to Customize the Physical Properties of Molecular Magnets. 2019 , 25, 15963	11

201	Selective Ion Exchange in Supramolecular Channels in the Crystalline State. 2019 , 58, 4169-4172		7
200	Selective Ion Exchange in Supramolecular Channels in the Crystalline State. <i>Angewandte Chemie</i> , 2019 , 131, 4213-4216	3.6	1
199	Surfactant Pyrolysis-Guided in Situ Fabrication of Primary Amine-Rich Ordered Mesoporous Phenolic Resin Displaying Efficient Heavy Metal Removal. 2019 , 11, 21815-21821		14
198	Superionic Conduction over a Wide Temperature Range in a Metal-Organic Framework Impregnated with Ionic Liquids. 2019 , 58, 10909-10913		41
197	Toward Metal-Organic-Framework-Based Supercapacitors: Room-Temperature Synthesis of Electrically Conducting MOF-Based Nanocomposites Decorated with Redox-Active Manganese. 2019 , 2019, 3036-3044		23
196	Superionic Conduction over a Wide Temperature Range in a Metal-Organic Framework Impregnated with Ionic Liquids. <i>Angewandte Chemie</i> , 2019 , 131, 11025-11029	3.6	4
195	Molecular Encapsulation of Trimeric Chromium Carboxylate Clusters in Metal-Organic Frameworks and Propylene Sorption. 2019 , 25, 12889-12894		4
194	Jumping Crystal of a Hydrogen-Bonded Organic Framework Induced by the Collective Molecular Motion of a Twisted π -System. <i>Angewandte Chemie</i> , 2019 , 131, 10453-10460	3.6	15
193	Jumping Crystal of a Hydrogen-Bonded Organic Framework Induced by the Collective Molecular Motion of a Twisted π -System. 2019 , 58, 10345-10352		66
192	Divergent Synthesis of Chiral Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2019 , 131, 9543-9547	3.6	14
191	Divergent Synthesis of Chiral Covalent Organic Frameworks. 2019 , 58, 9443-9447		49
190	Electropolymerization of Molecular-Sieving Polythiophene Membranes for H ₂ Separation. <i>Angewandte Chemie</i> , 2019 , 131, 8860-8864	3.6	13
189	Electropolymerization of Molecular-Sieving Polythiophene Membranes for H Separation. 2019 , 58, 8768-8772		23
188	Hydrogen in Palladium and Storage Properties of Related Nanomaterials: Size, Shape, Alloying, and Metal-Organic Framework Coating Effects. 2019 , 20, 1158-1176		44
187	Harnessing Bottom-Up Self-Assembly To Position Five Distinct Components in an Ordered Porous Framework. <i>Angewandte Chemie</i> , 2019 , 131, 5402-5407	3.6	8
186	Halogen- π Interactions in Supramolecular Architecture of 1D Coordination Polymers and Their Electrical Conductance. 2019 , 4, 3294-3299		12
185	Water-Induced Breaking of the Coulombic Ordering in a Room-Temperature Ionic Liquid Metal Complex. 2019 , 25, 7521-7525		3
184	Finely Tuned Porous Coordination Polymers To Boost Methane Separation Efficiency. 2019 , 25, 8790-8796		3

- ¹⁸³ Bridging the Green Gap: Metal-Organic Framework Heteromultilayers Assembled from Porphyrinic Linkers Identified by Using Computational Screening. **2019**, 25, 7847-7851 18
- ¹⁸² Highly Selective, High-Capacity Separation of o-Xylene from C Aromatics by a Switching Adsorbent Layered Material. **2019**, 58, 6630-6634 40
- ¹⁸¹ In Situ Tracking of Dynamic NO Capture through a Crystal-to-Crystal Transformation from a Gate-Open-Type Chain Porous Coordination Polymer to a NO-Adducted Discrete Isomer. **2019**, 25, 3020-3031 8
- ¹⁸⁰ Harnessing Bottom-Up Self-Assembly To Position Five Distinct Components in an Ordered Porous Framework. **2019**, 58, 5348-5353 32
- ¹⁷⁹ Highly Selective, High-Capacity Separation of o-Xylene from C8 Aromatics by a Switching Adsorbent Layered Material. *Angewandte Chemie*, **2019**, 131, 6702-6706 3.6 8
- ¹⁷⁸ Highly Transparent, Flexible, and Mechanically Strong Nanopapers of Cellulose Nanofibers @Metal-Organic Frameworks. **2019**, 25, 3515-3520 47
- ¹⁷⁷ Porous High-Valence Metal-Organic Framework Featuring Open Coordination Sites for Effective Water Adsorption. **2019**, 58, 3058-3064 20
- ¹⁷⁶ Tuning the Gate-Opening Pressure in a Switching pcu Coordination Network, X-pcu-5-Zn, by Pillar-Ligand Substitution. *Angewandte Chemie*, **2019**, 131, 18380-18385 3.6 5
- ¹⁷⁵ Introduction of a Novel Brønsted Acidic Ionic Liquid Incorporated in UiO-66 Nanocages for the Efficient Synthesis of Pyrimido[4,5-d]Pyrimidines. **2019**, 4, 12920-12927 10
- ¹⁷⁴ Microporous Organically Pillared Layered Silicates (MOPS): A Versatile Class of Functional Porous Materials. **2019**, 25, 2103-2111 4
- ¹⁷³ Complex Phase Behaviour and Structural Transformations of Metal-Organic Frameworks with Mixed Rigid and Flexible Bridging Ligands. **2019**, 25, 1353-1362 2
- ¹⁷² Oxygen-Assisted Cathodic Deposition of Zeolitic Imidazolate Frameworks with Controlled Thickness. **2019**, 58, 1123-1128 20
- ¹⁷¹ Oxygen-Assisted Cathodic Deposition of Zeolitic Imidazolate Frameworks with Controlled Thickness. *Angewandte Chemie*, **2019**, 131, 1135-1140 3.6 1
- ¹⁷⁰ Selective Separation of Isomeric Dicarboxylic Acid by the Preferable Crystallization of Metal-Organic Frameworks. **2019**, 14, 135-140 6
- ¹⁶⁹ Sliding Polymeric Layers and Anion Displacement Coupled with Spin Crossover in Two-Dimensional Networks of [Fe(hbtz) (CH CN)](BF). **2019**, 25, 2250-2261 6
- ¹⁶⁸ Reversible Optical Writing and Data Storage in an Anthracene-Loaded Metal-Organic Framework. **2019**, 58, 2423-2427 61
- ¹⁶⁷ Synthesis, Structures, and Thermal Properties of Symmetric and Janus "Lantern Cage" Siloxanes. **2019**, 25, 1683-1686 10
- ¹⁶⁶ One-Dimensional Looped Chain and Two-Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4-Triazole)-trans-cyclohexane into the Voids. **2019**, 2019, 585-591 12

165	Synthetic Strategies and Structural Arrangements of Isoreticular Mixed-Component Metal-Organic Frameworks. 2019 , 25, 1866-1882		40
164	Polymernetzwerke: Von Kunststoffen und Gelen zu porösen Gerüsten. <i>Angewandte Chemie</i> , 2020 , 132, 5054-5085	3.6	9
163	Polymer Networks: From Plastics and Gels to Porous Frameworks. 2020 , 59, 5022-5049		96
162	2D Materials as Ionic Sieves for Inhibiting the Shuttle Effect in Batteries. 2020 , 15, 2294-2302		13
161	Fabrication of a Hierarchical Ni(OH) ₂ @NiS/Ni Foam Electrode from a Prussian Blue Analogue-Based Composite with Enhanced Electrochemical Capacitive and Electrocatalytic Properties. 2020 , 26, 1111-1116		2
160	Post-synthetic Modification of DUT-5-based Metal Organic Frameworks for the Generation of Single-site Catalysts and their Application in Selective Epoxidation Reactions. 2020 , 12, 1134-1142		7
159	Halogen-C H Binding in Ultramicroporous Metal-Organic Frameworks (MOFs) for Benchmark C H /CO Separation Selectivity. 2020 , 26, 4923-4929		36
158	Synthesis, Structure, and Characterization of Variable Chains in a Series of Transition Metal Coordination Compounds. 2020 , 2020, 452-460		5
157	A Unique Five-Fold Interpenetrating Framework with the dmc Topology that is Supported by Extensive O-H...O Hydrogen Bonds. 2020 , 646, 10-15		2
156	On-surface Synthesis of a Semiconducting 2D Metal-Organic Framework Cu ₂ (C ₆ O ₆) Exhibiting Dispersive Electronic Bands. 2020 , 59, 2669-2673		27
155	Atomistic Insight Into the Host-Guest Interaction of a Photoresponsive Metal-Organic Framework. 2020 , 26, 1263-1268		12
154	On-surface Synthesis of a Semiconducting 2D Metal-Organic Framework Cu ₃ (C ₆ O ₆) Exhibiting Dispersive Electronic Bands. <i>Angewandte Chemie</i> , 2020 , 132, 2691-2695	3.6	8
153	Chiral 3D Coordination Polymers Consisting of Achiral Terpyridyl Precursors: from Spontaneous Resolution to Enantioenriched Induction. 2020 , 26, 1936-1940		10
152	Pseudo-Gated Adsorption with Negligible Volume Change Evoked by Halogen-Bond Interaction in the Nanospace of MOFs. 2020 , 26, 2148-2153		11
151	Product Control in Conversion of Ethanol on MIL-101(Cr) with Adjustable Brønsted Acid Density. 2020 , 12, 6234-6240		1
150	Guest Modulated Spin States of Metal Complex Assemblies. 2020 , 2020, 3709-3719		5
149	Characterization of Proton Dynamics for the Understanding of Conduction Mechanism in Proton Conductive Metal-Organic Frameworks. 2020 , 20, 1297-1313		20
148	Expanded Analogs of Three-Dimensional Lead-Halide Hybrid Perovskites. <i>Angewandte Chemie</i> , 2020 , 132, 19249-19256	3.6	1

147	Evolution of a Metal-Organic Framework into a Brønsted Acid Catalyst for Glycerol Dehydration to Acrolein. 2020 , 13, 5073-5079		10
146	Responsive Four-Coordinate Iron(II) Nodes in FePd(CN). 2020 , 59, 19254-19259		6
145	Guest-Responsive Reversible Electron Transfer in a Crystalline Porous Framework Supported by a Dynamic Building Node. 2020 , 59, 18479-18484		7
144	A Robust Mixed-Lanthanide PolyMOF Membrane for Ratiometric Temperature Sensing. 2020 , 59, 21752-21757		48
143	Structures and Structural Evolution of Sublayer Surfaces of Metal-Organic Frameworks. 2020 , 59, 21419-21424		9
142	Catalysis in Confined Spaces of Metal Organic Frameworks. 2020 , 12, 4732-4753		17
141	Host Differential Sensitization toward Color/Lifetime-Tuned Lanthanide Coordination Polymers for Optical Multiplexing. 2020 , 59, 23810-23816		12
140	Guest-Responsive Reversible Electron Transfer in a Crystalline Porous Framework Supported by a Dynamic Building Node. <i>Angewandte Chemie</i> , 2020 , 132, 18637-18642	3.6	
139	Pseudo-Membrane Jackets: Two-Dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. <i>Angewandte Chemie</i> , 2020 , 132, 18087-18093	3.6	2
138	Structures and Structural Evolution of Sublayer Surfaces of Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2020 , 132, 21603-21608	3.6	0
137	MOF-Mediated Fabrication of a Porous 3D Superstructure of Carbon Nanosheets Decorated with Ultrafine Cobalt Phosphide Nanoparticles for Efficient Electrocatalysis and Zinc-Air Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 21544-21550	3.6	12
136	Host Differential Sensitization toward Color/Lifetime-Tuned Lanthanide Coordination Polymers for Optical Multiplexing. <i>Angewandte Chemie</i> , 2020 , 132, 24018-24024	3.6	8
135	MOF-Mediated Fabrication of a Porous 3D Superstructure of Carbon Nanosheets Decorated with Ultrafine Cobalt Phosphide Nanoparticles for Efficient Electrocatalysis and Zinc-Air Batteries. 2020 , 59, 21360-21366		74
134	Crystalline Naphthylene Macrocycles Capturing Gaseous Small Molecules in Chiral Nanopores. 2020 , 15, 3829-3835		1
133	Responsive Four-Coordinate Iron(II) Nodes in FePd(CN) ₄ . <i>Angewandte Chemie</i> , 2020 , 132, 19416-19421	3.6	
132	A Robust Mixed-Lanthanide PolyMOF Membrane for Ratiometric Temperature Sensing. <i>Angewandte Chemie</i> , 2020 , 132, 21936-21941	3.6	15
131	Photophysical Properties and Heterogeneous Photoredox Catalytic Activities of Ru(bpy) @InBTB Metal-Organic Framework (MOF). 2020 , 26, 14580-14584		7
130	High Capacity and Rate Capability Binder-less Ternary Transition Metal-organic Framework as Anode Material for Lithium-ion Battery. 2020 , 32, 3180-3188		6

- 129 Divergent Chemistry Paths for 3D and 1D Metallo-Covalent Organic Frameworks (COFs). *Angewandte Chemie*, **2020**, 132, 11624-11629 3.6 3
- 128 Die Chemie verformbarer poröser Kristalle [Strukturdynamik und Gasadsorptionseigenschaften]. *Angewandte Chemie*, **2020**, 132, 15438-15456 3.6 14
- 127 Chemistry of Soft Porous Crystals: Structural Dynamics and Gas Adsorption Properties. **2020**, 59, 15325-15341 96
- 126 A "Thermodynamically Stable" 2D Nickel Metal-Organic Framework over a Wide pH Range with Scalable Preparation for Efficient C₂s over C₁ Hydrocarbon Separations. **2020**, 26, 12624-12631 7
- 125 Metal-Organic Frameworks toward Electrochemical Sensors: Challenges and Opportunities. **2020**, 32, 1885-1895 47
- 124 Coupled Electrical Conduction in Coordination Polymers: From Electrons/Ions to Mixed Charge Carriers. **2020**, 15, 1202-1213 4
- 123 Divergent Chemistry Paths for 3D and 1D Metallo-Covalent Organic Frameworks (COFs). **2020**, 59, 11527-11532 10
- 122 Pseudo-Membrane Jackets: Two-Dimensional Coordination Polymers Achieving Visible Phase Separation in Cell Membrane. **2020**, 59, 17931-17937 6
- 121 Competing Roles of Two Kinds of Ligand during Nonclassical Crystallization of Pillared-Layer Metal-Organic Frameworks Elucidated Using Microfluidic Systems. **2020**, 26, 8889-8896 1
- 120 Expanded Analogs of Three-Dimensional Lead-Halide Hybrid Perovskites. **2020**, 59, 19087-19094 12
- 119 Near-Infrared-to-Visible Photon Upconversion by Introducing an S₁ Absorption Sensitizer into a Metal-Organic Framework. **2020**, 6, 916-919 6
- 118 Synthesis and structure of zinc(II) and cobalt(II) coordination polymers involving the elongated 2,3,5,6-tetramethylterphenyl-4,4'-dicarboxylate ligand. **2020**, 506, 119500 5
- 117 Enhanced and Heteromolecular Guest Encapsulation in Nonporous Crystals of a Perfluorinated Triketonato Dinuclear Copper Complex. **2020**, 26, 5051-5060 6
- 116 Metal-Organic Frameworks for the Exploitation of Distance between Active Sites in Efficient Photocatalysis. *Angewandte Chemie*, **2020**, 132, 5364-5369 3.6 8
- 115 Metal-Organic Frameworks for the Exploitation of Distance between Active Sites in Efficient Photocatalysis. **2020**, 59, 5326-5331 53
- 114 Nanoarchitectonics from Atom to Life. **2020**, 15, 718 40
- 113 A Flexible Interpenetrated Zirconium-Based Metal-Organic Framework with High Affinity toward Ammonia. **2020**, 13, 1710-1714 21
- 112 Atomically Precise Crystalline Materials Based on Kinetically Inert Metal Ions via Reticular Mechanopolymerization. **2020**, 59, 10878-10883 9

111	Synthesis and Characterization of Copper(I) Halide Complexes Prepared with Bipodal Diacylthioureas. 2020 , 2020, 2521-2529		3
110	Atomically Precise Crystalline Materials Based on Kinetically Inert Metal Ions via Reticular Mechanopolymerization. <i>Angewandte Chemie</i> , 2020 , 132, 10970-10975	3.6	3
109	Selective Formation of Polyaniline Confined in the Nanopores of a Metal-Organic Framework for Supercapacitors. 2021 , 27, 3560-3567		10
108	An Imine-Linked Metal-Organic Framework as a Reactive Oxygen Species Generator. 2021 , 60, 2534-2540		22
107	CoNi Alloy Nanoparticles Embedded in Metal-Organic Framework-Derived Carbon for the Highly Efficient Separation of Xenon and Krypton via a Charge-Transfer Effect. <i>Angewandte Chemie</i> , 2021 , 133, 2461-2468	3.6	7
106	CoNi Alloy Nanoparticles Embedded in Metal-Organic Framework-Derived Carbon for the Highly Efficient Separation of Xenon and Krypton via a Charge-Transfer Effect. 2021 , 60, 2431-2438		17
105	How to Build Prussian Blue Based Water Oxidation Catalytic Assemblies: Common Trends and Strategies. 2021 , 27, 3638-3649		12
104	Synthesis of Polycarboxylate Rhodium(II) Metal-Organic Polyhedra (MOPs) and their use as Building Blocks for Highly Connected Metal-Organic Frameworks (MOFs). 2021 , 60, 5729-5733		24
103	Synthesis of Polycarboxylate Rhodium(II) Metal-Organic Polyhedra (MOPs) and their use as Building Blocks for Highly Connected Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie</i> , 2021 , 133, 5793-5797	3.6	2
102	An Imine-Linked Metal-Organic Framework as a Reactive Oxygen Species Generator. <i>Angewandte Chemie</i> , 2021 , 133, 2564-2570	3.6	3
101	Adsorption Site Selective Occupation Strategy within a Metal-Organic Framework for Highly Efficient Sieving Acetylene from Carbon Dioxide. <i>Angewandte Chemie</i> , 2021 , 133, 4620-4624	3.6	13
100	Adsorption Site Selective Occupation Strategy within a Metal-Organic Framework for Highly Efficient Sieving Acetylene from Carbon Dioxide. 2021 , 60, 4570-4574		41
99	Visible-light-responsive lanthanide coordination polymers for highly efficient photocatalytic aerobic oxidation of amines and thiols. 2021 , 45, 15767-15775		0
98	Crystal Flexibility Design through Local and Global Motility Cooperation. <i>Angewandte Chemie</i> , 2021 , 133, 7106-7111	3.6	
97	A Flexible and Porous Ferrocene-Based Gallium MOF with MIL-53 Architecture. 2021 , 2021, 713-719		1
96	Crystal Flexibility Design through Local and Global Motility Cooperation. 2021 , 60, 7030-7035		7
95	Metal-Dependent and Selective Crystallization of CAU-10 and MIL-53 Frameworks through Linker Nitration. 2021 , 27, 7696-7703		
94	A mixed-valence copper(I/II) coordination polymer directed with a bifunctional soft-hard pyrazolate-carboxylate ligand. 2021 , 647, 803-808		2

93	High-Throughput Electron Diffraction Reveals a Hidden Novel Metal-Organic Framework for Electrocatalysis. 2021 , 60, 11391-11397		9
92	Photoactive Zr and Ti Metal-Organic-Frameworks for Solid-State Solar Cells. 2021 , 22, 842-848		
91	Metal-Organic Frameworks for Practical Separation of Cyclic and Linear Polymers. 2021 , 60, 11830-11834		8
90	Metal-Organic Frameworks for Practical Separation of Cyclic and Linear Polymers. <i>Angewandte Chemie</i> , 2021 , 133, 11936-11940	3.6	
89	High-Throughput Electron Diffraction Reveals a Hidden Novel Metal-Organic Framework for Electrocatalysis. <i>Angewandte Chemie</i> , 2021 , 133, 11492-11498	3.6	0
88	Isorecticular Crystallization of Highly Porous Cubic Covalent Organic Cage Compounds*. 2021 , 60, 17455-17463		9
87	2D-Coordination Polymers Constituted from Indium Halides and Dipyridyl N-Donor Ligands. 2021 , 647, 1227-1233		1
86	Isoretikuläre Kristallisation von hochporösen kubischen kovalentorganischen Käfigverbindungen**. <i>Angewandte Chemie</i> , 2021 , 133, 17595-17604	3.6	1
85	Molecular Sieving of Acetylene from Ethylene in a Rigid Ultra-microporous Metal Organic Framework. 2021 , 27, 9446-9453		5
84	High-Quality Thin Films of UiO-66-NH by Coordination Modulated Layer-by-Layer Liquid Phase Epitaxy. 2021 , 27, 8509-8516		4
83	Cuboctahedral [In(EDH)(NO)(Imtb)]MOF with Atypical Pyramidal Nitrate Ion in SBU: Lewis Acid-Base Assisted Catalysis and Nanomolar Sensing of Picric Acid. 2021 , 60, 9238-9242		4
82	Merging N-Hydroxyphthalimide into Metal-Organic Frameworks for Highly Efficient and Environmentally Benign Aerobic Oxidation. 2021 , 27, 9674-9685		3
81	Progress in Multifunctional Metal-Organic Frameworks/Polymer Hybrid Membranes. 2021 , 27, 12940-12952		3
80	Wirt-Gast-Wechselwirkungen in einer Serie isoretikulärer Metall-organischer Gerüststrukturen für molekulare photokatalytische CO ₂ -Reduktion. <i>Angewandte Chemie</i> , 2021 , 133, 17998-18004	3.6	2
79	Host-Guest Interactions in a Metal-Organic Framework Isorecticular Series for Molecular Photocatalytic CO Reduction. 2021 , 60, 17854-17860		16
78	25 Jahre retikuläre Chemie. <i>Angewandte Chemie</i> , 2021 , 133, 24142	3.6	0
77	Physicochemical Understanding of the Impact of Pore Environment and Species of Adsorbates on Adsorption Behaviour. <i>Angewandte Chemie</i> , 2021 , 133, 20667-20673	3.6	0
76	Chiral Induction in Buckminsterfullerene Using a Metal-Organic Framework. <i>Angewandte Chemie</i> , 2021 , 133, 18091-18095	3.6	1

75	Chiral Induction in Buckminsterfullerene Using a Metal-Organic Framework. 2021 , 60, 17947-17951		1
74	A Dynamic Chemical Clip in Supramolecular Framework for Sorting Alkylaromatic Isomers using Thermodynamic and Kinetic Preferences. 2021 , 60, 19921-19927		1
73	A Dynamic Chemical Clip in Supramolecular Framework for Sorting Alkylaromatic Isomers using Thermodynamic and Kinetic Preferences. <i>Angewandte Chemie</i> , 2021 , 133, 20074-20080	3.6	
72	Physicochemical Understanding of the Impact of Pore Environment and Species of Adsorbates on Adsorption Behaviour. 2021 , 60, 20504-20510		2
71	25 Years of Reticular Chemistry. 2021 , 60, 23946-23974		50
70	Construction of a Porous Metal-Organic Framework with a High Density of Open Cr Sites for Record N/O Separation. 2021 , 33, e2100866		5
69	Decarboxylation-Induced Defects in MOF-Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie</i> , 2021 , 133, 21853-21858	3.6	4
68	Crystalline Sponge Method: X-ray Structure Analysis of Small Molecules by Post-Orientation within Porous Crystals Principle and Proof-of-Concept Studies. <i>Angewandte Chemie</i> , 2021 , 133, 25408	3.6	0
67	Review on Flexible Metal-Organic Frameworks. 2021 , 6, 8227-8243		2
66	Neutral Nitrogen Donor Ligand-based MOFs for Sensing Applications. 2021 , 16, 2569-2587		2
65	Decarboxylation-Induced Defects in MOF-Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. 2021 , 60, 21685-21690		14
64	Nitrogen-Doped Carbon Composites with Ordered Macropores and Hollow Walls. 2021 , 60, 23729-23734		8
63	Benchmark Acetylene Binding Affinity and Separation through Induced Fit in a Flexible Hybrid Ultramicroporous Material. <i>Angewandte Chemie</i> , 2021 , 133, 20546-20553	3.6	2
62	Nitrogen-Doped Carbon Composites with Ordered Macropores and Hollow Walls. <i>Angewandte Chemie</i> , 2021 , 133, 23922	3.6	1
61	Crystalline Sponge Method: X-ray Structure Analysis of Small Molecules by Post-Orientation within Porous Crystals-Principle and Proof-of-Concept Studies. 2021 , 60, 25204-25222		10
60	Benchmark Acetylene Binding Affinity and Separation through Induced Fit in a Flexible Hybrid Ultramicroporous Material. 2021 , 60, 20383-20390		9
59	Machine-Learning-Assisted Selective Synthesis of a Semiconductive Silver Thiolate Coordination Polymer with Segregated Paths for Holes and Electrons. <i>Angewandte Chemie</i> , 2021 , 133, 23405	3.6	
58	Monitoring Dynamics, Structure, and Magnetism of Switchable Metal-Organic Frameworks via H-Detected MAS NMR. 2021 , 60, 21778-21783		5

- 57 Fabrication of Integrated Copper-Based Nanoparticles/Amorphous Metal-Organic Framework by a Facile Spray-Drying Method: Highly Enhanced CO₂ Hydrogenation Activity for Methanol Synthesis. *Angewandte Chemie*, **2021**, 133, 22457-22462 3.6 0
- 56 Untersuchung von Dynamik, Struktur und Magnetismus von schaltbaren Metall-organischen Gerüstverbindungen mittels ¹H-detektierter MAS-NMR-Spektroskopie. *Angewandte Chemie*, **2021**, 133, 21946-21952 3.6
- 55 Investigation of CO Orientational Dynamics through Simulated NMR Line Shapes*. **2021**, 22, 2336-2341 1
- 54 Fabrication of Integrated Copper-Based Nanoparticles/Amorphous Metal-Organic Framework by a Facile Spray-Drying Method: Highly Enhanced CO Hydrogenation Activity for Methanol Synthesis. **2021**, 60, 22283-22288 7
- 53 Machine-Learning-Assisted Selective Synthesis of a Semiconductive Silver Thiolate Coordination Polymer with Segregated Paths for Holes and Electrons. **2021**, 60, 23217-23224 2
- 52 Conformational Adaptation of β -Peptide Foldamers for the Formation of Metal-Peptide Frameworks. **2021**, 1 1
- 51 Conformational Adaptation of β -Peptide Foldamers for the Formation of Metal-Peptide Frameworks. *Angewandte Chemie*, 3.6
- 50 Electrically Activated Conductivity and White Light Emission of a Hydrocarbon Nanoring-Iodine Assembly. **2017**, 56, 11196-11202 49
- 49 Purely Physisorption-Based CO-Selective Gate-Opening in Microporous Organically Pillared Layered Silicates. **2018**, 57, 564-568 7
- 48 Solid-Solution Coordination Polymers as Precursors for Zn_xCd_{1-x}S/C Composite Nanowires. **2017**, 2017, 2444-2449 4
- 47 Crystal structure and Hirshfeld surface analysis of (E)-{4-[(carboxyl-atometh-yl)carbamo-yl]benz-amido- η^3)-bis-[bis-(1,10-phenanthroline- η^5), η^5]-copper(II)] dinitrate, \cdot -(1,4-phenyl-enedicarbon-yl)diglycine monosolvate octa-hydrate. **2019**, 75, 667-674 8
- 46 Layer-by-Layer Growth of Preferred-Oriented MOF Thin Film on Nanowire Array for High-Performance Chemiresistive Sensing. **2021**, 60, 25758-25761 10
- 45 Multivariate Synergistic Flexible Metal-Organic Frameworks with Superproton Conductivity for Direct Methanol Fuel Cells. *Angewandte Chemie*, **2021**, 133, 26781 3.6 0
- 44 Multivariate Synergistic Flexible Metal-Organic Frameworks with Superproton Conductivity for Direct Methanol Fuel Cells. **2021**, 60, 26577-26581 3
- 43 Layer-by-Layer Growth of Preferred-Oriented MOF Thin Film on Nanowire Array for High-Performance Chemiresistive Sensing. *Angewandte Chemie*, **2021**, 133, 25962 3.6 0
- 42 Failure-Experiment-Supported Optimization of Poorly Reproducible Synthetic Conditions for Novel Lanthanide Metal-Organic Frameworks with Two-Dimensional Secondary Building Units*. **2021**, 27, 16347-16353 3
- 41 Titanium-Based Molecular Architectures Formed by Self-Assembled Reactions. **2008**, 17-45
- 40 Azoligands as Bridged in Macrocyclic Dinickel Complexes. **2010**, 5, 7-23

39	Production of Atomic Photochemical Hydrogen and Photoinjection of Hydrogen in Solids. 2013 , 241-282		
38	Clip-off Chemistry: Synthesis by Programmed Disassembly of Reticular Materials*. 2021 ,		1
37	Clip-off Chemistry: Synthesis by Programmed Disassembly of Reticular Materials**. <i>Angewandte Chemie</i> ,	3.6	
36	Flexibility Control of Two-Dimensional Coordination Polymers by Crystal Morphology: Water Adsorption and Thermal Expansion. 2021 , 27, 18135		4
35	A Photostable 1D RutheniumZinc Coordination Polymer as a Multimetallic Building Block for Light Harvesting Systems. e202100299		
34	MOF Synthesis Prediction Enabled by Automatic Data Mining and Machine Learning.. 2022 ,		7
33	MOF Synthesis Prediction Enabled by Automatic Data Mining and Machine Learning. <i>Angewandte Chemie</i> ,	3.6	1
32	Intrinsic Hole Mobility in Luminescent Metal-organic Framework and Its Application in Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> ,	3.6	0
31	Intrinsic Hole Mobility in Luminescent Metal-organic Framework and Its Application in Organic Light-Emitting Diodes.. 2022 ,		1
30	Structural insight of MOFs under combined mechanical and adsorption stimuli.. 2022 ,		0
29	Iodine-Chemisorption, Interpenetration and Polycatenation: Cationic MOFs and CPs from Group 13 Metal Halides and Di-Pyridyl-Linkers.. 2022 ,		
28	Structural Insight of MOFs under Combined Mechanical and Adsorption Stimuli. <i>Angewandte Chemie</i> ,	3.6	0
27	Construction and Photoluminescence Properties of a Three-Dimensional Cd II Coordination Polymer Based on 2,5-Di(4-carboxy-phenylthio) Terephthalic acid, 1,2-Di(pyridin-4-yl)diazene. 2022 , 7,		
26	Size and Shape Manipulation of Channel Structures Assembled Via Saddle stacking of Tetrapodal Adamantanes Containing Aryl Butadiynyl Moieties. 2021 , 6, 13336-13341		
25	Porous Organic Salts: Diversifying Void Structures and Environments. <i>Angewandte Chemie</i> ,	3.6	
24	Porous Organic Salts: Diversifying Void Structures and Environments.. 2022 , e202202597		1
23	Effect of Ligand Chain Length for Tuning of Molecular Dimensionality and Magnetic Relaxation in Redox Active Cobalt(II) EDOT Complexes (EDOT = 3,4-Ethylenedioxythiophene).		
22	Potential Applications of Nickel-Based Metal-Organic Frameworks and their Derivatives.		2

21	Metal-Organic Frameworks with Low-Valent Metal Nodes. <i>Angewandte Chemie</i> ,	3.6
20	Metal-Organic Frameworks with Low-Valent Metal Nodes.	
19	Metal-ligand lability and ligand mobility enables framework transformation via ligand release in a family of crystalline 2D coordination polymers.	
18	Tailored Inorganic-Organic Architectures via Metalloligands.	o
17	Palladium-Based Metal Organic Frameworks as Heterogeneous Catalysts for C-C Couplings.	1
16	A Logic Gate Based on a Flexible Metal-Organic Framework (JUK-8) for the Concomitant Detection of Hydrogen and Oxygen.	
15	A Porous Polyaromatic Solid for Vapor Adsorption of Xylene with High Efficiency, Selectivity, and Reusability.	o
14	A Flexible Hydrogen-Bonded Organic Framework Constructed from a Tetrabenzaldehyde with a Carbazole N-H Binding Site for the Highly Selective Recognition and Separation of Acetone.	o
13	A Flexible Hydrogen-Bonded Organic Framework Constructed from a Tetrabenzaldehyde with a Carbazole N-H Binding Site for the Highly Selective Recognition and Separation of Acetone.	o
12	Fine Pore-Structure Engineering by Ligand Conformational Control of Naphthalene Diimide-Based Semiconducting Porous Coordination Polymers for Efficient Chemiresistive Gas Sensing.	o
11	Fine Pore-Structure Engineering by Ligand Conformational Control of Naphthalene Diimide-Based Semiconducting Porous Coordination Polymers for Efficient Chemiresistive Gas Sensing.	o
10	Fabrication of a parallel interpenetrating 2D hydrogen-bonded zig-zag Zn(II) coordination polymer: Characterization and band gap study. 2023 , 1276, 134682	o
9	Metal Doping and Ligand Engineering as Tools for Tailoring the Electronic Structure of Coordination Polymers and their Oxygen Evolution Electrocatalytic Activity.	o
8	Optimizing Acetylene Sorption through Induced-fit Transformations in a Chemically Stable Microporous Framework.	o
7	Water-Harvesting Metal-Organic Frameworks with Gigantic Al ₂₄ Units and their Deconstruction into Molecular Clusters.	o
6	Water-Harvesting Metal-Organic Frameworks with Gigantic Al ₂₄ Units and their Deconstruction into Molecular Clusters.	o
5	Optimizing Acetylene Sorption through Induced-fit Transformations in a Chemically Stable Microporous Framework.	o
4	Polymerization within Nanoporous Anodized Alumina Oxide Templates (AAO): A Critical Survey. 2023 , 15, 525	o

- 3 Coupling Dielectric Functionality with Magnetic Properties in Coordination Metal Complexes. o
- 2 Coinage Metal Bis(amidinate) Complexes as Building Blocks for Self-Assembled One-Dimensional Coordination Polymers. o
- 1 On-surface synthesis of metal-organic frameworks: the critical role of the reaction conditions. **2023**, 59, 2954-2957 o