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DOI: 10.1002/anie.200300610 Angewandte Chemie - International Edition, 2004, 43, 2334-7

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2317	Coordination Polymers. <b>2004</b> , 1-13		
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2315	Metallo-Supramolecular Polymers. <b>2004</b> , 1-11		
2314	Xe NMR lineshapes in channels of peptide molecular crystals. <b>2004</b> , 101, 17924-9		59
2313	Framework materials based on azamacrocyclic complexes of transition metals and carboxylates. <b>2004</b> , 40, 345-371		23
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2311	An Oriented 1D Coordination/Organometallic Dimetallic Molecular Wire with Ag?Pd Metal <b>M</b> etal Bonds. <b>2004</b> , 116, 6246-6251		8
2310	Functional Porous Coordination Polymers. <b>2004</b> , 35, no		0
2309	{[Cu(bipy)2.5(H2O)](ClO4)2[(H2O)[(CH3OH)1.5}n (bipy=4,4?-bipyridine): organic template effect in formation of a novel bilayer coordination polymer with large chiral channels. <b>2004</b> , 7, 1056-1060		17
2308	Formation of heterotopic metallacalix[n]arenes (n=3, 4, 6) containing ethylenediaminepalladium(II) metal fragments and 4,7-phenanthroline and 2-pyrimidinolate bridges. Synthesis, structure and host-guest chemistry. <b>2004</b> , 2780-5		41
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2302	Silver(I) arylsulfonates: a systematic study of "softer" hybrid inorganic-organic solids. <b>2004</b> , 43, 6663-73		102
2301	Porous Cu-Cd mixed-metal-organic frameworks constructed from Cu(Pyac)2 [Bis[3-(4-pyridyl)pentane-2,4-dionato]copper(II)]. <b>2004</b> , 43, 8209-11		162

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2299	Polymorphism and Pseudopolymorphism of the [Ni(4-Methylpyridine)4(NCS)2] Werner Complex, the Compound that Led to the Concept of Drganic Zeolites 2004, 4, 1185-1194	59
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2296	Novel Layered OrganicIhorganic Networks Assembled From PbI2andN,N?-bis(3-pyridylmethyl)-1,4-biphenylenedimethyleneimine. <b>2004</b> , 33, 1572-1573	13
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2292	Synthesis and structural characterization of a new open-framework zinc terephthalate Zn3(OH)2(bdc)2[2DEF, with infinite Zn[B-OH]2n chains. <b>2005</b> , 178, 621-628	56
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2280	Structural change of supramolecular coordination polymers of itaconic acid and 1,10-phenanthroline along lanthanide series. <b>2005</b> , 358, 2687-2696	34
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200	8 Zeolite-like Nanoporous Gadolinium Complexes Incorporating Alkaline Cations. <b>2006</b> , 6, 87-93	44
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200	A robust microporous 3D cobalt(II) coordination polymer with new magnetically frustrated 2D lattices: single-crystal transformation and guest modulation of cooperative magnetic properties. <b>2006</b> , 5294-303	117
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1983	Encapsulation of Water Cluster, meso-Helical Chain and Tapes in Metal®rganic Frameworks Based on Double-Stranded Cd(II) Helicates and Carboxylates. <b>2006</b> , 6, 2739-2746	88
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1959	Copper(I) coordination polymers [{Cu(mu-X)}2{RP(mu-NtBu)}2]n (R = OC6H4OMe-o; X = Cl, Br, and I) and their reversible conversion into mononuclear complexes [CuX{(RP(mu-NtBu)2}2]: synthesis and structural characterization. <b>2006</b> , 45, 6678-83	58

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1956	Three Supramolecular Isomers of Square Grid Networks from the Assembly of a Flexible Spacer and Co(NCS)2: Structures and Polymer Transformation. <b>2006</b> , 6, 994-998	103
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1945	Metallasupramolecular architectures, an overview of functional properties and applications. <b>2006</b> , 308-27	151
1944	Stability and porosity enhancement through concurrent ligand extension and secondary building unit stabilization. <b>2006</b> , 45, 7566-8	86
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1934	Porous metal-organic framework with coordinatively unsaturated Mn(II) sites:sorption properties for various gases. <b>2006</b> , 45, 8672-6	138
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1916	Chemical reaction-inspired crystal growth of a coordination polymer toward morphology design and control. <b>2006</b> , 128, 15799-808	27
1915	1D Tubular Chains and 3D Polycatenane Frameworks Constructed with Cu2X2 Dimers (X = Br-, I-, CN-) and Flexible Dipyridyl Spacers. <b>2006</b> , 6, 2543-2550	99
1914	Symmetric and unsymmetric "dumbbells" of Ru2-alkynyl units via C-C bond formation reactions. <b>2006</b> , 45, 9175-7	23
1913	Hydrothermal Synthesis and Structural Characterization of Novel Zn <b>I</b> Iriazole <b>B</b> enzenedicarboxylate Frameworks. <b>2006</b> , 18, 525-531	93
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1903	Temperature-dependent Penetration of Argon Molecules into Ultramicroporous Tunnel of a Fluoroorganic Molecular Crystal with Alteration of Its Unit Cell Size. <b>2006</b> , 35, 504-505	4
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1890	Anion-controlled assemblies from pseudo-cyclic cadmium(II) complex and spacer coligand. <b>2006</b> , 9, 671-674	21
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1874	Syntheses, structures and magnetic properties of five coordination polymers derived via in situ metalligand reactions of 2-phenyl-malonic acid. <b>2006</b> , 796, 9-17	38
1873	Coordination Polymers Constructed from alkoxo-bridged nodes and exo-bidentate Ligands. <b>2006</b> , 796, 123-128	12
1872	Synthesis, structure and luminescent properties of two three-dimensional d10 metal complexes constructed from pyridine-3,4-dicarboxylic acid with new network topologies. <b>2006</b> , 796, 172-178	13
1871	Construction of one- and two-dimensional coordination polymers using ditopic imidazole ligands. <b>2006</b> , 796, 107-113	26
1870	Solvothermal synthesis, structure and magnetism of two novel 3D metal-organic frameworks based on infinite helical MnDC rod-shaped building units. <b>2006</b> , 796, 165-171	9
1869	Syntheses and crystal structures of four manganese coordination polymers with 1,4-bis(1,2,4-triazol-1-yl)butane. <b>2006</b> , 796, 129-138	33

1868	Hydrothermal synthesis of copper coordination polymers based on molybdates: Chemistry issues. <b>2006</b> , 796, 179-186	15
1867	Synthesis, structures and thermal properties of three new two-dimensional coordination networks assembled by lanthanide salts and carboxylate ligand. <b>2006</b> , 359, 417-423	40
1866	Helical vs. zigzag coordination polymer: Influence of structural preference of metal-ion coordination geometry. <b>2006</b> , 359, 1376-1382	24
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1863	Syntheses, structures and properties of three novel coordination polymers with a flexible asymmetrical bridging ligand. <b>2006</b> , 359, 2232-2240	19
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1860	Synthesis, structures and properties of alkaline earth metal benzene-1,4-dioxylacetates with three-dimensional hybrid networks. <b>2006</b> , 359, 3257-3263	44
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1716	Synthesis and Structural Determination of Four Novel Metal©rganic Frameworks in a ZnB-Amino-1,2,4-Triazole System. <b>2007</b> , 7, 1343-1349	42
1715	Design and construction of a microporous metal <b>B</b> rganic framework based on the pillared-layer motif. <b>2007</b> , 9, 545-547	63
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1711	Metal©rganic Frameworks Provide Large Negative Thermal Expansion Behavior. <b>2007</b> , 111, 15185-15191	154
1710	Adsorption properties of HKUST-1 toward hydrogen and other small molecules monitored by IR. <b>2007</b> , 9, 2676-85	321
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1702	Macroporous polymer monoliths fabricated by using a metal-organic coordination gel template. <b>2007</b> , 4614-6	44
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1691	Synthesis of organic photodimeric cage molecules based on cycloaddition via metal-ligand directed assembly. <b>2007</b> , 129, 5820-1	94
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1684	Using molecular simulation to characterise metal-organic frameworks and judge their performance as adsorbents. <b>2007</b> , 161-168	1
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1668	An unprecedented (6,8)-connected self-penetrating network based on two distinct zinc clusters. <b>2007</b> , 4863-5	97
1667	A pcu-type metal-organic framework with spindle [Zn7(OH)8]6+ cluster as secondary building units. <b>2007</b> , 1527-9	163
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1606	Guest-Dependent Cavities in Two-Dimensional Metal (Drganic Frameworks Sustained by Tetrafluoro-1,3-benzenedicarboxylate. <b>2007</b> , 7, 1154-1162	49
1605	Chemical and Structural Diversity in Chiral Magnesium Tartrates and their Racemic and Meso Analogues. <b>2007</b> , 7, 1522-1532	58
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1593	Syntheses, Characterization, and Luminescent Properties of Three 3D Lead <b>©</b> rganic Frameworks with 1D Channels. <b>2007</b> , 7, 513-520	104
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1591	Synthesis, Structure, Water-Induced Reversible Crystal-to-Amorphous Transformation, and Luminescence Properties of Novel Cationic Spacer-Filled 3D Transition Metal Supramolecular Frameworks from N,NIMTris(carboxymethyl)-1,3,5-benzenetricarboxamide. <b>2007</b> , 7, 890-894	109
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1573	Oligonuclear complexes as tectons in crystal engineering: structural diversity and magnetic properties. <b>2007</b> , 2565-77	189
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1571	Construction of Metal <b>D</b> rganic Frameworks (M = Cd(II), Co(II), Zn(II), and Cu(II)) Based on Semirigid Oxadiazole Bridging Ligands by Solution and Hydrothermal Reactions. <b>2007</b> , 7, 1058-1068	52
1570	Crystal-engineering studies of coordination polymers and a molecular-looped complex containing dipyridyl-amide ligands. <b>2007</b> , 46, 186-95	42
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1568	Inorganic Crystal Engineering through Cation Metathesis: One-, Two-, and Three-Dimensional Cluster-Based Coordination Polymers. <b>2007</b> , 19, 2238-2246	28
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1558	From crystal engineering to cluster engineering: How to transform cadmium chloride from 2-D to 0-D. <b>2007</b> , 76-8	26
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1556	Postsynthetic covalent modification of a neutral metal-organic framework. <b>2007</b> , 129, 12368-9	516
1555	Beyond classical coordination: silver-pi interactions in metal dipyrrin complexes. <b>2007</b> , 2252-4	72
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1553	Supramolecular Dimers and Chains Resulting from Second Coordination Sphere Interactions. <b>2007</b> , 7, 1825-1831	53
1552	Porous metal-organic frameworks based on metal-organic polyhedra with nanosized cavities as supramolecular building blocks: two-fold interpenetrating primitive cubic networks of [Cu6L8]12+ nanocages. <b>2007</b> , 46, 10208-13	64
1551	Syntheses and Structures of Three Unprecedented Metal <b>©</b> iprofloxacin Complexes with Helical Character. <b>2007</b> , 7, 506-512	122
1550	Synthesis and alcohol vapor sensitivity of a ferromagnetic copper-tungsten bimetallic assembly. <b>2007</b> , 129, 3084-5	123
1549	MetalBrganic frameworks constructed from mixed-ligand 1,2,3,4-tetra-(4-pyridyl)-butane and benzene-polycarboxylate acids: syntheses, structures and physical properties. <b>2007</b> , 9, 915	149
1548	One-pot separation of tea components through selective adsorption on pore-engineered nanocarbon, carbon nanocage. <b>2007</b> , 129, 11022-3	130
1547	Comparative Molecular Simulation Study of Methane Adsorption in Metal©rganic Frameworks. <b>2007</b> , 21, 953-956	64
1546	Homochiral H-bonded proline based metal organic frameworks. <b>2007</b> , 3036-8	57
1545	Novel coordination polymers based on the tetrathioterephthalate dianion as the bridging ligand. <b>2007</b> , 46, 8487-9	31

1544	Anion-recognition studies of a Re(I)-based square containing the dipyridyl-amide ligand. <b>2007</b> , 31, 202-209	52
1543	Syntheses, Structures, and Photoluminescent and Magnetic Studies of Metal®rganic Frameworks Assembled with 5-Sulfosalicylic Acid and 1,4-Bis(imidazol-1-ylmethyl)-benzene. <b>2007</b> , 7, 268-274	75
1542	Guest-specific function of a flexible undulating channel in a 7,7,8,8-tetracyano-p-quinodimethane dimer-based porous coordination polymer. <b>2007</b> , 129, 10990-1	158
1541	Crystal engineering of a permanently porous network sustained exclusively by charge-assisted hydrogen bonds. <b>2007</b> , 129, 12114-6	157
1540	Crystalline zinc diphosphonate metal-organic framework with three-dimensional microporosity. <b>2007</b> , 46, 10449-51	72
1539	Diverse entangled metal-organic framework materials incorporating kinked organodiimine and flexible aliphatic dicarboxylate ligands: synthesis, structure, physical properties, and reversible structural reorganization. <b>2007</b> , 46, 7362-70	59
1538	Zero to three dimensional increase of silver(I) coordination assemblies controlled by deprotonation of 1,3,5-tri(2-benzimidazolyl)benzene and aggregation of multinuclear building units. <b>2007</b> , 46, 4617-25	77
1537	Solid-state self-assembly of polymeric double helicates leading to linear arrays of silver(I) ions and reversible strand/double helix interconversion in solution. <b>2007</b> , 13, 59-68	79
1536	Structural variation from 1D to 3D: effects of ligands and solvents on the construction of lead(II)-organic coordination polymers. <b>2007</b> , 13, 3248-61	266
1535	Molecular tectonics of metal-organic frameworks (MOFs): a rational design strategy for unusual mixed-connected network topologies. <b>2007</b> , 13, 2578-86	223
1534	From molecule to bulk material: optical properties of hydrogen-bonded dimers [C12H12N4O2AgPF6]2 and [C28H28N6O3AgPF6]2 depend on the arrangement of the oxime moieties. <b>2007</b> , 13, 5151-9	16
1533	Porous liquids. <b>2007</b> , 13, 3020-5	134
1532	Topological study of pseudo-cubic hydrogen-bond networks in a binary system composed of primary ammonium carboxylates: an analogue of an ice cube. <b>2007</b> , 13, 4163-8	22
1531	New metal-organic frameworks with large cavities: selective sorption and desorption of solvent molecules. <b>2007</b> , 13, 7523-31	42
1530	Design and generation of extended zeolitic metal-organic frameworks (ZMOFs): synthesis and crystal structures of zinc(II) imidazolate polymers with zeolitic topologies. <b>2007</b> , 13, 4146-54	315
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1527	Rational design of MOFs constructed from modified aromatic amino acids. <b>2007</b> , 13, 9399-405	46

1526	Synchrotron X-ray charge-density study of coordination polymer [Mn(HCOO)2(H2O)2]infinity. <b>2007</b> , 13, 9775-90		28
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1523	Molecular tectonics on surfaces: Bottom-up fabrication of 1D coordination networks that form 1D and 2D arrays on graphite. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 245-9	16.4	101
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1517	A mesh-adjustable molecular sieve for general use in gas separation. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 2458-62	16.4	339
1516	Noncovalently connected frameworks with nanoscale channels assembled from a tethered polyoxometalate-pyrene hybrid. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 3900-4	16.4	174
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1514	Topotactic linear radical polymerization of divinylbenzenes in porous coordination polymers. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 4987-90	16.4	108
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1507	Chiralization of diamond nets: stretchable helices and chiral and achiral nets with nearly identical unit cells. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6115-8	16.4	131
1506	Conjugated microporous poly(aryleneethynylene) networks. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8574-8	16.4	1134
1505	Two-step adsorption/desorption on a jungle-gym-type porous coordination polymer. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6662-5	16.4	139
1504	1:1 Cross-assembly of two beta-diketonate complexes through arene-perfluoroarene interactions. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 7617-20	16.4	46
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1500	Heterogeneous Asymmetric Catalysis with Homochiral Metal©rganic Frameworks: Network-Structure-Dependent Catalytic Activity. <b>2007</b> , 119, 1093-1096		115
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1498	Molecular Tectonics on Surfaces: Bottom-Up Fabrication of 1D Coordination Networks That Form 1D and 2D Arrays on Graphite. <b>2007</b> , 119, 249-253		21
1497	Solid-State Interconversions of Coordination Networks and Hydrogen-Bonded Salts. <b>2007</b> , 119, 1142-11	46	29
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1492	A Mesh-Adjustable Molecular Sieve for General Use in Gas Separation. <b>2007</b> , 119, 2510-2514		51
1491	Noncovalently Connected Frameworks with Nanoscale Channels Assembled from a Tethered Polyoxometalate Pyrene Hybrid. <b>2007</b> , 119, 3974-3978		44

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1485	Cation-Dependent Nonlinear Optical Behavior in an Octupolar 3D Anionic Metal <b>©</b> rganic Open Framework. <b>2007</b> , 119, 6417-6420	27
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1471	A Molecule-Based Nanoporous Material Showing Tuneable Spin-Crossover Behavior near Room Temperature. <b>2007</b> , 19, 1397-1402	80
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1463	Hydrothermal Syntheses and Characterizations of Three Coordination Polymers Based on Mixed Organic Ligands. <b>2007</b> , 2007, 3892-3898	41
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1455	Ring-Slipped (2,2?-Bipyridine)(ß-cyclopentadienyl)(ß-cyclopentadienyl)vanadium(II) and Its Oxidation to (2,2?-Bipyridine)bis(ß-cyclopentadienyl)vanadium(III) Tetraphenylborate. <b>2007</b> , 2007, 5168-5172	9

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1453	Supramolecular Chemistry of Acyclic Oligopyrroles. <b>2007</b> , 2007, 5313-5325	77
1452	Unprecedented 1D Mixed-metal Polynuclear Cyclometalated Platinum Complexes: Synthesis, Structural Characterization and Spectroscopic Properties. <b>2007</b> , 25, 1821-1826	1
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1428	Design and syntheses of nano-structured ionic crystals with selective sorption properties. <b>2007</b> , 251, 2537-2546	97
1427	Fabrication and functions of surface nanomaterials based on multilayered or nanoarrayed assembly of metal complexes. <b>2007</b> , 251, 2688-2701	106
1426	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. <b>2007</b> , 251, 2522-2536	20
1425	Metal-mediated layer-by-layer assembly of zinc 5,10,15,20-tetrapyridylporphine and pyridyl derivatives. <b>2007</b> , 27, 639-645	17
1424	Hydrogen bonding adducts of octamolybdate anions containing coordinately bound pyridiniumoxides. <b>2007</b> , 360, 281-285	8
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1418	Homochiral metal <b>B</b> rganic coordination networks from l-typtophan. <b>2007</b> , 360, 1669-1677	14
1417	Coordination chemistry of di-2-pyridylamine-based bridging heterocyclic ligands: A structural study of coordination polymers and discrete dinuclear complexes. <b>2007</b> , 360, 2100-2114	19
1416	Porous CoII and NiII coordination polymers based on 5-(4-pyridyl)-1,3,4-oxadiazole-2-thiol for various solvent inclusion. <b>2007</b> , 360, 2783-2788	18
1415	Synthesis, structures, and magnetic properties of one-dimensional Fe <b>M</b> (M=NiII, CuII) coordination polymers bridged by nitroprusside. <b>2007</b> , 360, 2523-2531	8
1414	Different coordination modes of Hdipic and dipic ligands to nickel(II) ions in a same environment (dipic = 2,6-pyridinedicarboxylate, dipicolinate). <b>2007</b> , 360, 2819-2823	43
1413	Hydrothermal syntheses, structures and properties of five rare earth coordination polymers with (1,3,4-thiadiazole-2,5-diyldithio)diacetic acid. <b>2007</b> , 360, 2958-2966	17
1412	Photoluminescent metal-organic framework with hex topology constructed from infinite rod-shaped secondary building units and single e,e-trans-1,4-cyclohexanedicarboxylic dianion. <b>2007</b> , 360, 3108-3112	20
1411	[Hg(E4,4?-bipy)(EAcO)(AcO)]n[h/2H2O, one-dimensional double-chain coordination polymer, syntheses, characterization, thermal, fluorescence, porous and structural studies. <b>2007</b> , 360, 3196-3202	18
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787	Cu(I)-incorporation strategy for developing styrene selective adsorbents. <b>2021</b> , 425, 130601	1
786	Exploitation of a Zn(II) paddle wheel metal-organic framework as effective sorbent for the quantitative estimation of cationic and anionic dyes. <b>2021</b> , 528, 120595	2
785	Effective strategy for UV-mediated grafting of biocidal Ag-MOFs on polymeric membranes aimed at enhanced water ultrafiltration. <b>2021</b> , 426, 130704	13
784	Enrichment of diamide insecticides from environmental water samples using metal-organic frameworks as adsorbents for determination by liquid chromatography tandem mass spectrometry. <b>2022</b> , 422, 126839	8
783	Two three-dimensional mixed-ligated cobalt phosphonate coordination polymers: Syntheses, crystal structures and magnetic properties. <b>2022</b> , 1248, 131456	1
782	Visible-light-driven photocatalytic degradation of ofloxacin by g-C3N4/NH2-MIL-88B(Fe) heterostructure: Mechanisms, DFT calculation, degradation pathway and toxicity evolution. <b>2022</b> , 427, 131594	10
781	Phenanthroline-based Ni(II) coordination compounds involving unconventional discrete fumarate-water-nitrate clusters and energetically significant cooperative ternary Estacked assemblies: Antiproliferative evaluation and theoretical studies. <b>2022</b> , 1248, 131424	5
780	Dye-sensitized solar cells strike back. <b>2021</b> , 50, 12450-12550	38
779	A Review on Metal-Organic Frameworks: Synthesis and Applications. <b>2021</b> , 33, 245-252	1
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778 777 776 775	Thermo- and photoinduced spin state switching in an iron(II) 2D coordination network associated with large light-induced thermal hysteresis and tuning of dimensionality ligand modulation. 2021, 50, 7725-7735  Tunable Electrical Properties of Redox-Active Porous Coordination Networks via Post-synthetic Modification. 2021, 61-71  Multiscale structural control of linked metal-organic polyhedra gel by aging-induced linkage-reorganization. 2021, 12, 12556-12563  On the completeness of three-dimensional electron diffraction data for structural analysis of metal-organic frameworks. 2021, 231, 66-80  Synthesis, crystal structure and biological application of a Cu(II) coordination compound of 2-hydroxy-5-methyl-3-(pyridin-3-yliminomethyl)-benzaldehyde. 2021, 98, 100007  Selective dual adsorption performance of hexagonal porous metalBrganic framework rods	2 8 4 3

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769	A microporous shp-topology metalorganic framework with an unprecedented high-nuclearity Co10-cluster for iodine capture and histidine detection.	5
768	Accurately metal-modulated bimetallic metalorganic frameworks as advanced trifunctional electrocatalysts. <b>2021</b> , 9, 14682-14690	5
767	The potential use of metal@rganic framework/ammonia working pairs in adsorption chillers. <b>2021</b> , 9, 6188-6195	3
766	Ni@onion-like carbon and Co@amorphous carbon: control of carbon structures by metal ion species in MOFs. <b>2021</b> , 57, 5897-5900	1
765	Crystal engineering of coordination networks: then and now. <b>2021</b> , 17-60	
764	Constructing multicomponent cooperative functional systems using metal complexes of short flexible peptides. <b>2021</b> , 57, 7987-7996	2
763	Dynamic porous organic polymers with tuneable crosslinking degree and porosity <b>2021</b> , 11, 27714-27719	5
762	Metal-induced microporous aminosilica creates a highly permeable gas-separation membrane. <b>2021</b> , 5, 3029-3042	6
761	Rational design of bifunctional conjugated microporous polymers. <b>2021</b> , 3, 4891-4906	7
760	A flexible microporous framework with temperature-dependent gate-opening behaviours for C2 gases. <b>2021</b> , 57, 3785-3788	1
759	Revisiting molecular adsorption: unconventional uptake of polymer chains from solution into sub-nanoporous media. <b>2021</b> , 12, 12576-12586	5
758	Water-Stable Zn(II) Coordination Polymers Regulated by Polysubstituted Benzenes and Their Photocatalytic Performance toward Methylene Blue Degradation Dominated by Ligand-Field Effects. <b>2021</b> , 21, 1218-1232	5
757	Materials Designed for Biological Nitric Oxide Delivery. <b>2021</b> , 125-133	
756	Research Progress in Metal-Organic Framework and Its Composites for Separation of C2 Based on Sieving Multiple Effects. <b>2021</b> , 79, 459	5
755	Crystal Engineering of Coordination Polymers. 451-511	O
754	Supramolecular Coordination Networks Employing Sulfonate and Phosphonate Linkers: From Layers to Open Structures. 125-179	1
753	Supramolecular Chemistry at the Mesoscale. 11-36	1

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752	Fabrication and Functionalization Strategies of MOFs and Their Derived Materials MOF Architecture <b>2020</b> , 63-100		3
751	Electrically Activated Conductivity and White Light Emission of a Hydrocarbon Nanoring-Iodine Assembly. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11196-11202	6.4	49
750	Purely Physisorption-Based CO-Selective Gate-Opening in Microporous Organically Pillared Layered Silicates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 564-568	6.4	7
749	Solid-Solution Coordination Polymers as Precursors for ZnxCd1⊠S/C Composite Nanowires. <b>2017</b> , 2017, 2444-2449		4
748	Crystal engineering of porous coordination networks for C3 hydrocarbon separation. 2021, 2, 38-55		16
747	Environmentally Friendly Enzyme Immobilization on MOF Materials. <b>2020</b> , 2100, 271-296		3
746	How Guests Settle and Plan Their Escape Route in a Crystal. <b>2008</b> , 87-108		2
745	CO2 Capture Using Solid Sorbents. <b>2015</b> , 1-56		1
744	Supramolecular Architectures of Metal©rganic Host©uest Compounds. 2015, 299-308		1
743	The Amazing Chemistry of Metal-Organic Frameworks. 2017, 339-369		1
742	Porous Coordination Polymers Towards Gas Technology. <b>2009</b> , 51-86		15
741	Metal-Organic Frameworks (MOFs) for CO2 Capture. <b>2014</b> , 79-113		1
740	Cyclophane-Based Estacked Polymers. <b>2014</b> , 151-184		1
739	General Introduction. <b>2014</b> , 1-13		1
738	Topochemical Polymerizations and Crystal Cross-Linking of Metal Organic Frameworks. <b>2015</b> , 517-530		2
737	Influence of Size and Shape on Inclusion Properties of Transition Metal-Based Wheel-and-Axle Diols. <b>2010</b> , 235-253		6
736	Remarkable separation of C5 olefins in anion-pillared hybrid porous materials. <b>2021</b> , 14, 541-545		3
735	Two-Dimensional Macromolecular Architectures Constructed at Interfaces by Soft Solution Processes. <b>2018</b> , 478-485		1

734	Pathway selection as a tool for crystal defect engineering: A case study with a functional coordination polymer. <b>2020</b> , 20, 100632	3
733	Structural motifs in heteroleptic copper and cadmium selenites. <b>2018</b> , 470, 206-212	2
732	Hydrothermal synthesis of six new lanthanides coordination polymers based on 1-H-benzimidazole-5-carboxylic acid: Structure, Hirshfeld analysis, thermal and spectroscopic properties. <b>2020</b> , 510, 119740	2
731	Surface polarity estimation of metal-organic frameworks using liquid-phase mixture adsorption. <b>2017</b> , 251, 129-134	4
730	Recent progress and remaining challenges in post-combustion CO2 capture using metal-organic frameworks (MOFs). <b>2020</b> , 80, 100849	114
729	Superparamagnetic MOF@GO Ni and Co based hybrid nanocomposites as efficient water pollutant adsorbents. <b>2020</b> , 738, 139213	19
728	Headspace solid-phase microextraction of semi-volatile ultraviolet filters based on a superhydrophobic metal-organic framework stable in high-temperature steam. <b>2020</b> , 219, 121175	13
727	Synthesis of Double-Bridged Cofacial Nickel Porphyrin Dimers with 2,2'-Bipyridyl Pillars and Their Restricted Coordination Space. <b>2020</b> , 59, 8013-8024	4
726	Defect-Engineered Metal Drganic Frameworks: A Thorough Characterization of Active Sites Using CO as a Probe Molecule. <b>2021</b> , 125, 593-601	5
725	Tracking and Visualization of Functional Domains in Stratified Metal-Organic Frameworks Using Gold Nanoparticles. <b>2020</b> , 6, 247-253	8
724	Regioselective Functionalization of the Mesoporous Metal-Organic Framework, NU-1000, with Photo-Active Tris-(2,2'-bipyridine)ruthenium(II). <b>2020</b> , 5, 30299-30305	6
723	Improving Energy Transfer within Metal-Organic Frameworks by Aligning Linker Transition Dipoles along the Framework Axis. <b>2020</b> , 142, 11192-11202	24
722	Metal-organic framework with optimally selective xenon adsorption and separation. <b>2016</b> , 7, ncomms11831	232
721	Self-assembly of metal-organic polyhedra into supramolecular polymers with intrinsic microporosity. <b>2018</b> , 9, 2506	109
720	CHAPTER 11:Metallosupramolecular Materials for Energy Applications: Light Harvesting. <b>2015</b> , 318-344	6
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718	Thermal ring-opening polymerization of an unsymmetrical silicon-bridged [1]ferrocenophane in coordination nanochannels. <b>2017</b> , 53, 6945-6948	11
717	Cadmium-1,4-cyclohexanedicarboxylato coordination polymers bearing different di-alkyl-2,2'-bipyridines: syntheses, crystal structures and photoluminescence studies. <b>2017</b> , 46, 12516-12526	14

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715	Encapsulation of the [Ru(bpy)3]2+ luminophore in a unique hydrogen-bonded host framework. <b>2020</b> , 22, 3749-3752	2
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713	Synthesis, characterization and crystal structure of a copper-glutamate metal organic framework (MOF) and its adsorptive removal of ciprofloxacin drug from aqueous solution. <b>2020</b> , 44, 3961-3969	10
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697	Poly[tetra-kis-(Ebenzene-1,2-dicarboxyl-ato)di-Eformato-penta-strontium(II)]. <b>2011</b> , 67, m1647	1
696	Solvent-vapour-assisted pathways and the role of pre-organization in solid-state transformations of coordination polymers. <b>2015</b> , 2, 188-97	9
695	Isomerism in double-pillared-layer coordination polymers - structures and photoreactivity. <b>2018</b> , 5, 182-189	13
694	Crystal structure of a new mixed-metal coordin-ation polymer consisting of Ni piperidine-di-thio-carbamate and penta-nuclear Cu-I cluster units. <b>2018</b> , 74, 233-236	2
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692	Complexation Study of Synthesized Pharmacological Organic Ligands with Samarium. 2020, 65, 2046-2052	3
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690	Nanoporous Polymers. <b>2013</b> , 1-42	3
689	METAL ORGANIC FRAMEWORKSBYNTHESIS AND APPLICATIONS. <b>2014</b> , 61-103	6
688	On the Application of Classical Molecular Simulations of Adsorption in Metal®rganic Frameworks. <b>2015</b> , 53-112	5
687	Synthesis of Ordered Carbonaceous Framework with Microporosity from Porphyrin with Ethynyl Groups. <b>2020</b> , 49, 619-623	10
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683	Nano bio-MOFs: Showing drugs storage property among their multifunctional properties. <b>2018</b> , 5, 508-518	4
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678	Low Temperature Adsorption of Hydrogen on Nanoporous Materials. <b>2005</b> , 26, 1075-1078	20
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673	A Three-dimensional MOF Assembled by Metal-organic Tapes Comprising of Copper(II) Tetranuclear Clusters and 5-Sulfoisophthalates. <b>2008</b> , 29, 2540-2542	3
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671	Experimental and Theoretical Studies on a Thiocarbamide Derivative Containing Schiff Base Groups. <b>2009</b> , 30, 1667-1670	5
670	Adsorptive Separation of Propylene and Propane on a Porous Metal-Organic Framework, Copper Trimesate. <b>2010</b> , 31, 220-223	62
669	Microwave Synthesis of a Porous Metal-Organic Framework, Nickel(II) Dihydroxyterephthalate and its Catalytic Properties in Oxidation of Cyclohexene. <b>2010</b> , 31, 1489-1495	31
668	Investigation of Molecular Interactions in the Carboxylato Zn(II) and Cd(II) Macrocyclic Complexes. <b>2010</b> , 31, 2069-2072	14
667	Relative Coordinating Abilities of Bis(pyridine)-Type Ligands When Forming Mixed-Ligand Coordination Polymers: Preparation and Structure of [Cd2(L1. <b>2010</b> , 31, 2668-2671	7
666	Syntheses, Crystal Structures, and Spectral Properties of Two Coordination Compounds Based on 1,2-Bis(benzimidazolyl)benzene. <b>2011</b> , 32, 1017-1021	2
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652	Fluorescence Enhancement through Confined Oligomerization in Nanochannels: An Anthryl Oligomer in a Metal-Organic Framework. <b>2021</b> , 3, 1599-1604	1
651	Molecular Dynamics Simulations of the Breathing Phase Transition of MOF Nanocrystallites II: Explicitly Modeling the Pressure Medium. <b>2021</b> , 9, 757680	1
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649	Multivariate Synergistic Flexible Metal-Organic Frameworks with Superproton Conductivity for Direct Methanol Fuel Cells. <b>2021</b> , 133, 26781	О
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643	Material Evolution with Nanotechnology, Nanoarchitectonics, and Materials Informatics: What will be the Next Paradigm Shift in Nanoporous Materials?. <b>2021</b> , e2107212	10
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641	One-Pot, Room-Temperature Conversion of CO into Porous Metal-Organic Frameworks. <b>2021</b> , 143, 16750-16	7547
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638	Green Recycling Methods to Treat Lithium-Ion Batteries E-Waste: A Circular Approach to Sustainability. <b>2021</b> , e2103346	25
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227	Separation of organic contaminant (dye) using the modified porous metal-organic framework (MIL). <b>2022</b> , 214, 114006	O
226	Enhanced arsenite adsorption from water by activated MOF embedded in macroporous chitosan bionanocomposite beads. <b>2022</b> , 26, 101091	O
225	Two-dimensional Zn( II ) coordination polymer and hydrogen bond-mediated two-dimensional Cu( II ) network based on trans -2-aminocyclopentanecarboxylate.	Ο
224	Metal-organic frameworks for pharmaceutical and biomedical applications. 2022, 221, 115026	2
223	A review on the vitrification of metal coordination compounds and their photonic applications. <b>2022</b> , 597, 121936	2
222	Efficient and selective fluorescence sensing of nitro-containing aromatic compounds by a binuclear lanthanide-based metal-organic framework. <b>2022</b> , 316, 123568	O
221	ZIF-filler incorporated mixed matrix membranes (MMMs) for efficient gas separation: A review. <b>2022</b> , 10, 108541	O
220	MetalBrganic-framework composite-based rapid self-detoxifying smart textile filters for chemical warfare agents. <b>2023</b> , 33-79	O
219	Recent advances in development of functional magnetic adsorbents for selective separation of proteins/peptides. <b>2023</b> , 253, 123919	O
218	Introduction to chemistry of metal-organic frameworks. <b>2022</b> , 1-16	O
217	Confining enzymes in porous organic frameworks: from synthetic strategy and characterization to healthcare applications. <b>2022</b> , 51, 6824-6863	6
216	Photocatalytic degradation of methylene blue using a manganese based metal organic framework. <b>2022</b> , 4, 100504	1
215	Functions and fundamentals of porous molecular crystals sustained by labile bonds.	1
214	Zero area thermal expansion of honeycomb layers via double distortion relaxation in (PPh4)[Cu2(CN)3]. <b>2022</b> , 24, 5880-5884	О
213	Organo-macrocycle-containing hierarchical metal@rganic frameworks and cages: design, structures, and applications. <b>2022</b> , 51, 8378-8405	3

212	Facile supramolecular strategy to construct solid fluorophore@metal@rganic framework composites. <b>2022</b> , 3, 6597-6608	О
211	Solid Resource Harvesting from Ammonia Aiming for Nitrogen Cycle. <b>2022</b> , 22, 503-508	Ο
210	Artificial synthesis of covalent triazine frameworks for local structure and property determination. <b>2022</b> , 24, 20025-20029	О
209	MIL-53 and its OH-bonded variants for bio-polyol adsorption from aqueous solution. <b>2022</b> , 12, 21681-21689	Ο
208	The postsynthetic renaissance of luminescent lanthanide ions on crystalline porous organic framework materials. <b>2022</b> , 24, 5821-5837	1
207	MetalBrganic frameworks and their derivatives for metal-ion (Li, Na, K and Zn) hybrid capacitors.	1
206	Nanoparticle/metalBrganic framework hybrid catalysts: elucidating the role of the MOF. <b>2022</b> , 58, 10757-107	671
205	Formation of nanostructured silicas through the fluoride catalysed self-polymerization of Q-type functional silica cages. <b>2022</b> , 58, 10008-10011	0
204	Photomechanical effect in Zn(II) and Cd(II) 1D coordination polymers: photosalient to non-salient behaviour.	0
203	Template synthesis, characterization and antibacterial activity of d10 (Zn2+, Cd2+, Hg2+) Schiff base complexes: A novel supramolecular Cd2+ complex with two 1D helical chains, and its Hirshfeld surface analysis. <b>2023</b> , 1272, 134051	O
202	Porous Metal-Macrocycle Frameworks(MMFs)with Unique Molecular Recognition and Arrangement Ability. <b>2022</b> , 64, 231-237	0
201	Copper-based coordination polymer as a fast and efficient dye adsorbent from aqueous solutions. 1-14	0
200	The crystal structure of 3,5-bis(propan-2-yl)-1H-pyrazol-4-amine, C9H17N3. <b>2022</b> ,	0
199	Ligand as Buffer for Improving Chemical Stability of Coordination Polymers. <b>2022</b> , 14, 42267-42276	Ο
198	Metal©rganic Frameworks@Calcite Composite Crystals.	2
197	A Porous Polyaromatic Solid for Vapor Adsorption of Xylene with High Efficiency, Selectivity, and Reusability.	Ο
196	Selective Photocatalytic Dehydrogenation of Formic Acid by an In Situ-Restructured Copper-Postmetalated Metal (Drganic Framework under Visible Light. 2022, 144, 16433-16446	0
195	Tuning the electronic structure of a metalBrganic framework for an efficient oxygen evolution reaction by introducing minor atomically dispersed ruthenium.	1

194	Fe-Based Metal Organic Frameworks for the Controlled Release of Fertilizer Nutrients.	0
193	Chern insulators and high Curie temperature Dirac half-metal in two-dimensional metal <b>B</b> rganic frameworks. <b>2022</b> , 121, 142401	O
192	Synthesis and structural characterization of metal azolate/carboxylate frameworks incorporating the 1-H-pyrazol-3,4,5-tricarboxylate ligand. <b>2022</b> , 121236	O
191	Poly(acrylic acid)-grafted metal-organic framework carrying Mg ions for bone repair. <b>2022</b> , 292, 126840	O
190	Hydrophobicity and dielectric properties across an isostructural family of MOFs: a duet or a duel?.	0
189	Modern treatment techniques for the recycling and reuse of wastewater: An Indian perspective. <b>2022</b> , 459-485	O
188	Directed molecular structure design of coordination polymers with different ligands for regulating output performance of triboelectric nanogenerators. <b>2022</b> , 12, 30051-30055	0
187	Immobilizing a homogeneous manganese catalyst into MOF pores for 🗟 lkylation of methylene ketones with alcohols.	O
186	MOF/COF hybrids as next generation materials for energy and biomedical applications. <b>2022</b> , 24, 7360-7371	0
185	Uniaxial orientation of anisotropic polythiophene rods toward macroscopic chain ordering.	O
184	Thermally responsive morphological change of layered coordination polymer induced by disordering/ordering of flexible alkyl chains.	0
183	Photocatalytic Hydrogen Production from Glycerol Aqueous Solutions as Sustainable Feedstocks Using Zr-Based UiO-66 Materials under Simulated Sunlight Irradiation. <b>2022</b> , 12, 3808	1
182	Challenges to developing materials for the transport and storage of hydrogen. <b>2022</b> , 14, 1214-1223	5
182	Challenges to developing materials for the transport and storage of hydrogen. <b>2022</b> , 14, 1214-1223  Crystallographic Mapping and Tuning of Water Adsorption in Metal®rganic Frameworks Featuring Distinct Open Metal Sites. <b>2022</b> , 144, 19567-19575	5 1
	Crystallographic Mapping and Tuning of Water Adsorption in Metal®rganic Frameworks Featuring	
181	Crystallographic Mapping and Tuning of Water Adsorption in Metal©rganic Frameworks Featuring Distinct Open Metal Sites. <b>2022</b> , 144, 19567-19575	1
181 180	Crystallographic Mapping and Tuning of Water Adsorption in Metal©rganic Frameworks Featuring Distinct Open Metal Sites. 2022, 144, 19567-19575  In situ rapid versatile method for the preparation of zirconium metal-organic framework filters.	0

176	Magneto-Structural Studies of Manganese(II) 2,4?-Benzophenone Dicarboxylate Based Coordination Polymers.	0
175	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.	Ο
174	Pressure-Induced Structural Effects in the Square Lattice (sql) Topology Coordination Network Sql-1-Co-NCS[4OX.	0
173	Highly Luminescent MOF and Its In Situ Fabricated Sustainable Corn Starch Gel Composite as a Fluoro-Switchable Reversible Sensor Triggered by Antibiotics and Oxo-Anions. <b>2022</b> , 14, 48658-48674	1
172	Toward Ideal Metal Drganic Framework Thin-Film Growth via Automated Layer-by-Layer Deposition: Examples Based on Perylene Diimide Linkers.	1
171	Synthesis of a New Ag(I)-Azine Complex via Ag(I)-Mediated Hydrolysis of 2-(((1-(Pyridin-2-yl)ethylidene)hydrazineylidene) Methyl)phenol with AgClO4; X-ray Crystal Structure and Biological Studies. <b>2022</b> , 14, 2226	O
170	Recent Advances and Potential Applications of Flexible Adsorption and Separation Materials: A review.	0
169	Design of metal-organic framework catalysts for photocatalytic hydrogen peroxide production. <b>2022</b> ,	2
168	Aromatic carboxylic acid derived bimetallic nickel/cobalt electrocatalysts for oxygen evolution reaction and hydrogen peroxide sensing applications. <b>2022</b> , 925, 116904	0
167	Multitopic metal@rganic carboxylates available as supramolecular building units. 2023, 474, 214850	1
166	Metal organic frameworks and their composites as effective tools for sensing environmental hazards: An up to date tale of mechanism, current trends and future prospects. <b>2023</b> , 474, 214859	2
165	Cutting-Edge Molecular Modelling to Unveil New In- sights into the Abnormal Guest-Controlled Flexibility of Metal-Organic Frameworks.	Ο
164	Chiral coordination compounds with exceptional enantioselectivity.	0
163	Fine Pore-Structure Engineering by Ligand Conformational Control of Naphthalene Diimide-Based Semiconducting Porous Coordination Polymers for Efficient Chemiresistive Gas Sensing.	O
162	Computational evaluation of 2D metal-organic frameworks with TMX4-centers ( $X = O$ , $S$ and $Se$ ) for CO2 electroreduction. <b>2022</b> ,	0
161	Structure and function tailored metal-organic frameworks for heterogeneous catalysis. 2022,	1
160	Molecular-Shape-Organized Stimuli-Responsive Functional Crystalline Systems. <b>2022</b> , 80, 1036-1043	0
159	High Hexane Sorption Capacity of Loosely Crosslinked PDMS Rubbers at Low Temperatures: Macromolecular and Physicochemical Elucidation for VOC Recovery. <b>2022</b> , 122634	O

158	Fine Pore-Structure Engineering by Ligand Conformational Control of Naphthalene Diimide-Based Semiconducting Porous Coordination Polymers for Efficient Chemiresistive Gas Sensing.	O
157	Cu-diimine Compounds Encapsulated in Porous Materials as Catalysts for Electrophilic Amination of Aromatic CH Bonds.	O
156	Constructing Asymmetric Unsaturated Copper Coordination in Zinc(II)/Copper(I, II)-Based Metal-Organic Framework toward Productive CO2-to-Methanol Photocatalytic Conversion from CO2-Capturing Solution. <b>2022</b> , 118970	O
155	An unusual magnetic phenomenon in Mg doping [(CH3)2NH2]CoxMg1-x[HCOO]3 frameworks.	O
154	Chemically routed interpore molecular diffusion in nanoporous thin films.	O
153	Toward Reduced CO2 Emissions from Vehicles: Onboard Capture and Storage System Using Metal-Organic Frameworks.	Ο
152	Metal®rganic Frameworks (MOFs) based Fluorescence ®urn-on®ensor.	1
151	Persistent microporosity of a non-planar porphyrinoid based on multiple supramolecular interactions for nanomechanical sensor applications.	O
150	Adsorbate-dependent phase switching in the square lattice topology coordination network [Ni(4,4?-bipyridine)2(NCS)2]n.	O
149	Metal-organic frameworks as chemical nanoreactors for the preparation of catalytically active metal compounds.	O
148	Exploration of metal organic frameworks and covalent organic frameworks for energy-related applications. <b>2023</b> , 477, 214968	2
147	Microporous three dimensional ordered zeolite-templated carbon for efficient removal of VOCs: Experimental study and molecular dynamics simulation. <b>2023</b> , 334, 126849	Ο
146	A review on progress made in direct air capture of CO2. <b>2023</b> , 29, 102991	0
145	Designing Glass and Crystalline Phases of Metal <b>B</b> is(acetamide) Networks to Promote High Optical Contrast. <b>2022</b> , 144, 22262-22271	3
144	Selective Separation of Hazardous Chemicals from Vapor phase by an Easily Accessible Breathing Coordination Polymer Derived from Terpyridyl/terephthalate Mixed Ligands.	0
143	Adsorption Mechanism of Novel Porous Materials in Wastewater Treatment: A New Open Special Issue in Materials Science. <b>2022</b> , 23, 14879	O
142	First Example of Chromone-Based Nickel(II) Coordination Polymers with Tunable Magnetic Properties. <b>2022</b> , 22, 7544-7554	О
141	Time-resolved in-situ X-ray diffraction and crystal structure analysis of porous coordination polymer CPL-1 in CO2 adsorption. <b>2022</b> , 123796	1

140	Selective and rapid extraction of trace amount of gold from complex liquids with silver(I)-organic frameworks. <b>2022</b> , 13,	2
139	Metal Doping and Ligand Engineering as Tools for Tailoring the Electronic Structure of Coordination Polymers and their Oxygen Evolution Electrocatalytic Activity.	O
138	Controversy on the ferroelectricity in metalformate frameworks. <b>2022</b> , 62,	О
137	Metal®rganic Frameworks as Photocatalysts for Solar-Driven Overall Water Splitting.	3
136	Optimizing Acetylene Sorption through Induced-fit Transformations in a Chemically Stable Microporous Framework.	O
135	Structural Transformable Coulomb Lattice of n-Type Semiconductors for Guest Sorption.	O
134	Metal®rganic Framework-Based Biosensing Platforms for the Sensitive Determination of Trace Elements and Heavy Metals: A Comprehensive Review.	O
133	Water-Harvesting Metal®rganic Frameworks with Gigantic Al24 Units and their Deconstruction into Molecular Clusters.	O
132	Preferential CO2 adsorption over cadmium-based Porous Metal-organic Framework.	О
131	Microenvironment Modulation of Metal Drganic Frameworks (MOFs) for Coordination Olefin Oligomerization and (co)Polymerization. 2205898	O
130	<b>B</b> lockchain-LikeIMIL-101(Cr)/Carbon Black Electrodes for Unprecedented Defluorination by Capacitive Deionization. 2205619	O
129	Molecular Machines and Microrobots: Nanoarchitectonics Developments and On-Water Performances. <b>2023</b> , 14, 25	1
128	Orthogonal Grade-Separated Nanowiring of Molecular Single Chains.	О
127	Negative Thermal Expansion of Undulating Coordination Layers through Interlayer Interaction. <b>2022</b> , 61, 21123-21130	O
126	Recent Advances in Nanozymes for Bacteria-Infected Wound Therapy. Volume 17, 5947-5990	О
125	Water-Harvesting Metal®rganic Frameworks with Gigantic Al24 Units and their Deconstruction into Molecular Clusters.	O
124	A Robust Molecular Porous Material for C 2 H 2 /CO 2 Separation. 2206945	O
123	Selective Chromium(VI) Trapping by an Acetate-Releasing Coordination Polymer. <b>2022</b> , 61, 20824-20833	O

122	Functionally decorated metal organic frameworks in environmental remediation. 2022, 140741	1
121	Hydrothermal Synthesis, crystal structure, DFT studies, and molecular docking of Zn-BTC MOF as potential antiprotozoal agents. <b>2022</b> , 134825	1
120	Optimizing Acetylene Sorption through Induced-fit Transformations in a Chemically Stable Microporous Framework.	0
119	Protection against Chemical Warfare Agents and Biological Threats Using Metal©rganic Frameworks as Active Layers.	O
118	Inter-layer magnetic tuning by gas adsorption in Estacked pillared-layer framework magnets.	O
117	Composite with a Glassy Nonporous Coordination Polymer Enhances Gas Adsorption Selectivity.	O
116	Adenine-mediated Amide-containing Metal-organic Framework toward One-step Ethylene Purification from a Ternary Mixture. <b>2023</b> , 100012	O
115	Zr- and Ti-based metal organic frameworks: synthesis, structures and catalytic applications.	O
114	Topological entrapment of macromolecules during the formation of metalbrganic framework.	О
113	Aryl- and Superaryl-Extended Calix[4]pyrroles: From Syntheses to Potential Applications. <b>2023</b> , 381,	1
112	Charge transfer in metal-organic frameworks.	О
111	Biomass Nanoarchitectonics for Supercapacitor Applications. <b>2023</b> , 72, 11-32	O
110	Acidic bimetallic LaCo-MOF materials showing synergistic catalytic effect on the air epoxidation of cyclooctene. <b>2023</b> , 535, 112903	O
109	Early-Stage Formation of the SIFSIX-3-Zn Metal@rganic Framework: An Automated Computational Study.	Ο
108	Copper selenide sensitized low-cost porous coordination polymers towards efficient capture trace gaseous elemental mercury. <b>2023</b> , 457, 141288	O
107	A THREE-DIMENSIONAL CADMIUM MIXED LIGANDS COORDINATION POLYMER WITH CO2 ADSORPTION ABILITY. <b>2022</b> , 63, 2045-2053	O
106	Boosting xenon adsorption with record capacity in microporous carbon molecular sieves.	1
105	ZnFe2O4/ZrO2/NaX zeolite nanocomposite catalyst: elaboration and its application for the removal of dimethyl 4-nitrophenyl phosphate (DMNP) chemical nerve agent simulant from water solution.	O

104	A 0D/2D Heterojunction Composite of Polymeric Carbon Nitride and ZIF-8-Derived ZnO for Photocatalytic Organic Pollutant Degradation. <b>2023</b> , 13, 47	1
103	Synthesis and Crystal Structure of a 3D Cd(II) Coordination Polymer Assembled with Itaconate and 1,2-Bis(4-pyridyl)ethane. <b>2022</b> , 67, 1175-1182	О
102	Metal-organic frameworks as regeneration optimized sorbents for atmospheric water harvesting. <b>2023</b> , 101252	0
101	Investigation of Guest-Induced Flexibility in Pyrazine Derivative of ALFFIVE MOF via Molecular Simulation. <b>2023</b> , 39, 1373-1385	О
100	Metal-Organic Frameworks and Their Derived Structures for Biomass Upgrading. 2023, 184-255	О
99	Biomedically-relevant Metal Organic Framework-Hydrogel Composites.	О
98	Controlling the Output Performance of Triboelectric Nanogenerator Through Filling Isostructural Metal Drganic Frameworks With Varying Functional Groups. 2201330	О
97	MOF-Based Materials for CO2 Conversion. <b>2023</b> , 256-293	O
96	Stability and chaotic dynamic analysis of Li-doped fullerene-IRMOF composite materials for hydrogen storage. <b>2023</b> ,	О
95	Charge Manipulation in a Series of Estacked Pillared-Layer Frameworks by Tuning Electron Donation Ability of Building Blocks. <b>2023</b> , 23, 1238-1246	О
94	Noncentrosymmetric Supramolecular Hydrogen-Bonded Assemblies Based on Achiral Pyrazine-Bridged Zinc(II) Coordination Polymers with Pyrazinedione Derivatives. <b>2023</b> , 5, 179-186	0
93	High-throughput screening of hypothetical metal-organic frameworks for thermal conductivity. <b>2023</b> , 9,	О
92	Low-concentration CO2 capture using metalbrganic frameworks Leurrent status and future perspectives.	1
91	Tuning of Dimensionality and Nuclearity as a Function of Ligand Field Modulation Resulting in Field-Induced Cobalt(II) Single-Ion Magnet.	О
90	Construction of 3D interpenetrated dual linker coordination polymers of Zn(II) by varying the length and flexibility of bis(pyridyl) linkers. <b>2023</b> , 1280, 135042	О
89	Photoactive Multinuclear Metal-Containing Polymeric Systems. <b>2012</b> , 199-244	О
88	Accelerated screening and assembly of promising MOFs with open Cu sites for isobutene/isobutane separation using a data-driven approach. <b>2023</b> , 25, 8608-8623	О
87	Direct generation of polypyrrole-coated palladium nanoparticles inside a metal-organic framework for a semihydrogenation catalyst. <b>2023</b> , 13, 7464-7467	O

86	Extracting Metal-Organic Frameworks Data from the Cambridge Structural Database. 2023, 201-232	О
85	Industrialization of MOFs. 2023, 307-325	O
84	Porphyrin metal@rganic frameworks with bilayer and pillar-layered frameworks and third-order nonlinear optical properties. <b>2023</b> , 52, 4309-4314	O
83	Mechanistic insight into Pb2+ and Hg2+ ion sensing using cobalt-based coordination polymer in aqueous phase. <b>2023</b> , 52, 4303-4308	O
82	(Controlled) Free radical (co)polymerization of multivinyl monomers: strategies, topological structures and biomedical applications. <b>2023</b> , 59, 4142-4157	O
81	New Materials for Sorption-Based Atmospheric Water Harvesting: Opportunities and Challenges. <b>2023</b> , 41-72	O
80	Applications of MOFs. <b>2023</b> , 197-305	O
79	Advance of design and application in self-healing anticorrosive coating: a review.	O
78	Coupling Dielectric Functionality with Magnetic Properties in Coordination Metal Complexes.	O
77	Synthesis, Crystal Structure, and Photocatalytic Properties of Two Isoreticular Ce(IV)-MOFs with an Infinite Rod-Shaped Inorganic Building Unit. <b>2023</b> , 62, 5176-5185	O
76	Scalable novel lanthanide-ligand complex for robust flexible micro-supercapacitors. 2023, 564, 232801	O
75	Encapsulation of lipases on coordination polymers and their catalytic performance in glycerolysis and esterification. 2023,	O
74	Preparation of ZrC embedded carbon rods via thermal decomposition of metal organic frameworks. <b>2023</b> , 28, 101716	O
73	Design strategies for coordination polymers as electrodes and electrolytes in rechargeable lithium batteries. <b>2023</b> , 483, 215084	O
72	Crystal structure, photomagnetic and dielectric properties of a cyanido-bridged Cu-Mo assembly film. <b>2023</b> , 550, 121434	О
71	Application and modification of nickel-based metal-organic frameworks in electrochemical sensing. <b>2023</b> , 2, 100053	O
70	A Zn(II) coordination polymer as a dual sensor for ppb level detection of antibiotics and organo-toxins in a green solvent. <b>2023</b> , 295, 122579	О
69	Novel graphene quantum dots modified NH2-MIL-125 photocatalytic composites for effective antibacterial property and mechanism insight. <b>2023</b> , 312, 123433	O

68	Fabrication of a pyridyl appended linear Co(II) based coordination polymer: Structural insights and molecular docking. <b>2023</b> , 552, 121493	О
67	Fabrication of Double-Stranded Vinyl Polymers Mediated by Coordination Nanochannels. <b>2023</b> , 145, 2448-2454	1
66	Does the Structural Preorganization Contribute to the II wo-Way Ispin Crossover in 1,1?-Di(tetrazol-1-ylo) methane-Based Fe(II) Coordination Polymer Containing Conformationally Labile Adiponitrile Coligand?. <b>2023</b> , 23, 1611-1621	0
65	Research progress of POMs constructed by 1,3,5-benzene-tricarboxylic acid: From synthesis to application. <b>2023</b> , 481, 215044	0
64	A rapid self-healing glassy polymer/metal@rganic-framework hybrid membrane at room temperature. <b>2023</b> , 52, 3148-3157	О
63	High-Performance N-Butanol Gas Sensor Based on Iron-Doped Metal®rganic Framework-Derived Nickel Oxide and DFT Study.	Ο
62	Polarization-dependent plasmonic heating in epitaxially grown multilayered metal®rganic framework thin films embedded with Ag nanoparticles. <b>2023</b> , 5, 1795-1801	О
61	Coinage Metal Bis(amidinate) Complexes as Building Blocks for Self-Assembled One-Dimensional Coordination Polymers.	O
60	Reversible transformations between the non-porous phases of a flexible coordination network enabled by transient porosity. <b>2023</b> , 15, 542-549	О
59	Monitoring the Activation of Open Metal Sites in [FexM3☑(闰-O)] Cluster-Based MetalФrganic Frameworks by Single-Crystal X-ray Diffraction. <b>2023</b> , 145, 4736-4745	O
58	Porous and Stable Zn-Series Metal Drganic Frameworks as Efficient Catalysts for Grafting Wood Nanofibers with Polycaprolactone via a Copolymerization Approach. <b>2023</b> , 62, 3464-3473	О
57	Bimetallic Be/Cu Pillared-Layered Porous Coordination Polymer for Selective CO2 Removal via Adsorption. <b>2023</b> , 23, 1888-1897	О
56	Preparation, Characterization, and Photocatalysts' Application of Silicas/Silicates with Nanospaces Containing Single-site Ti-oxo Species. <b>2023</b> , 199-212	О
55	Strategy for the improvement of electrical conductivity of a 3D Zn(ii)-coordination polymer doubly bridged by mesaconato and pyridyl-isonicotinoyl hydrazide based Schottky diode device. <b>2023</b> , 47, 5922-5929	Ο
54	Unveiling Structural Diversity of Uranyl Compounds of Aprotic 4,4?-Bipyridine N,N?-Dioxide Bearing O-Donors. <b>2023</b> , 8, 8894-8909	О
53	Room temperature design of Ce(iv)-MOFs: from photocatalytic HER and OER to overall water splitting under simulated sunlight irradiation. <b>2023</b> , 14, 3451-3461	1
52	Customizing Metal-Organic Frameworks by Lego-Brick Strategy for One-Step Purification of Ethylene from a Quaternary Gas Mixture. 2208182	O
51	Efficiency and selectivity of cost-effective Zn-MOF for dye removal, kinetic and thermodynamic approach.	О

50	Large-Area Fabrication of Ultrathin Metal-Organic Framework Membranes. 2211859	O
49	Highly Selective Separation of C2H2/CO2 and C2H2/C2H4 in an N-Rich Cage-Based Microporous Metal-Organic Framework. <b>2023</b> , 2023, 1-9	O
48	Stimuli responsive metal organic framework materials towards advanced smart application. 2023,	0
47	Overview of Metal Organic Frameworks. <b>2023</b> , 1-14	O
46	Luminescence properties of mixed-ligand MOFs containing fluorene scaffolds functionalized with isonicotinoyl arms. <b>2023</b> , 25, 2085-2095	O
45	MOFs Preparation and Synthetic Approaches. <b>2023</b> , 31-44	O
44	Zero to zero nanoarchitectonics with fullerene: from molecules to nanoparticles. 2023, 25,	0
43	MOFs for desulfurization of fuel oil: Recent advances and future insights.	O
42	Direct synthesis of amorphous coordination polymers and metalBrganic frameworks. 2023, 7, 273-286	O
41	Research on photocatalytic CO2 conversion to renewable synthetic fuels based on localized surface plasmon resonance: current progress and future perspectives. <b>2023</b> , 13, 1932-1975	O
40	Switching of Guest Selectivity for the Inclusion of Regioisomers of Monosubstituted Phenols with Crystals of p-tert-Butylcalix[4]arene.	O
39	Metallacages and Covalent Cages for Biological Imaging and Therapeutics. <b>2023</b> , 5, 1061-1082	O
38	Mixed Valency in Extended Materials. <b>2023</b> , 393-429	O
37	Influence of the Solvent on the Assembly of Ni3(hexaiminotriphenylene)2 Metal®rganic Framework Nanosheets at the Air/Liquid Interface. <b>2023</b> , 96, 274-282	O
36	Highly Efficient Separation of CH4/C2H6/C3H8 from Natural Gas on a Novel Copper-Based Metal <b>©</b> rganic Framework. <b>2023</b> , 62, 5252-5261	1
35	Photocatalysts for CO2 reduction and computational insights. <b>2023</b> , 344, 128101	O
34	Thermal Transformation of Polyacrylonitrile Accelerated by the Formation of Ultrathin Nanosheets in a Metal Drganic Framework. <b>2023</b> , 12, 415-420	0
33	MOF-on-MOF Composites with UiO-66-Based Materials as Photocatalysts for the Overall Water Splitting under Sunlight Irradiation. <b>2023</b> , 37, 5457-5468	O

32	Fabrication of 3D Oriented MOF Micropatterns with Anisotropic Fluorescent Properties. 2211478	О
31	Erasable Photopatterning of Stilbene-Based Metal-Organic Framework Films. 2201231	O
30	A Luminescent Metal-Organic Framework with Boosted Picric Acid Fluorescence Detection Performance via a Complementary Capture-Quench Mechanism.	О
29	Shape-Memory Effect Triggered by Interactions in a Flexible Terpyridine Metal Drganic Framework. <b>2023</b> , 5, 1256-1260	O
28	Catalytically active nanomaterials as artificial enzymes. <b>2023</b> , 305-337	0
27	Fundamentals of MOF Mechanics & Structure Mechanical Property Relationships. 2023, 1-64	O
26	Mechanical Energy Absorption of Metal Organic Frameworks. 2023, 267-338	О
25	Metal ion-assisted supramolecular gelation. 2023,	O
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