Xiao-Ming Chen

List of Publications by Year
in descending order

656	53,015	906 116	2127 203
papers	citations	h-index	g-index

682	682	682	23743
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal Azolate Frameworks: From Crystal Engineering to Functional Materials. Chemical Reviews, 2012, 112, 1001-1033.	47.7	1,512
2	Ligand-Directed Strategy for Zeolite-Type Metalâ€“Organic Frameworks: Zinc(II) Imidazolates with Unusual Zeolitic Topologies. Angewandte Chemie - International Edition, 2006, 45, 1557-1559.	13.8	1,503
3	Terminology of metalâ€“organic frameworks and coordination polymers (IUPAC Recommendations) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	984
4	Metal-organic molecular architectures with 2,2?-bipyridyl-like and carboxylate ligands. Coordination Chemistry Reviews, 2005, 249, 545-565.	18.8	935
5	A Stable Pentagonal Bipyramidal Dy(III) Single-Ion Magnet with a Record Magnetization Reversal Barrier over 1000 K. Journal of the American Chemical Society, 2016, 138, 5441-5450.	13.7	904
6	Solvothermal in Situ Metal/Ligand Reactions:â€‰ A New Bridge between Coordination Chemistry and Organic Synthetic Chemistry. Accounts of Chemical Research, 2007, 40, 162-170.	15.6	744
7	Symmetry-Supported Magnetic Blocking at 20 K in Pentagonal Bipyramidal Dy(III) Single-Ion Magnets. Journal of the American Chemical Society, 2016, 138, 2829-2837.	13.7	728
8	Syntheses, Structures, Photoluminescence, and Theoretical Studies of d10 Metal Complexes of 2,2â€˜-Dihydroxy-[1,1â€˜]binaphthalenyl-3,3â€˜-dicarboxylate. Inorganic Chemistry, 2004, 43, 830-838.	4.0	680
9	Controlling guest conformation for efficient purification of butadiene. Science, 2017, 356, 1193-1196.	12.6	559
10	Supramolecular isomerism in coordination polymers. Chemical Society Reviews, 2009, 38, 2385.	38.1	555
11	Copper(I) 1,2,4-Triazolates and Related Complexes:Â Studies of the Solvothermal Ligand Reactions, Network Topologies, and Photoluminescence Properties. Journal of the American Chemical Society, 2005, 127, 5495-5506.	13.7	520
12	Double-Stranded Helices and Molecular Zippers Assembled from Single-Stranded Coordination Polymers Directed by Supramolecular Interactions. Chemistry - A European Journal, 2002, 8, 4811-4817.	3.3	511
13	Efficient purification of ethene by an ethane-trapping metal-organic framework. Nature Communications, 2015, 6, 8697.	12.8	474
14	Hydroxylation of N-Heterocycle Ligands Observed in Two Unusual Mixed-Valence CuI/CuII Complexes. Angewandte Chemie - International Edition, 2002, 41, 1029-1031.	13.8	468
15	Coordination polymers, metalâ€“organic frameworks and the need for terminology guidelines. CrystEngComm, 2012, 14, 3001.	2.6	464
16	An Alkaline-Stable, Metal Hydroxide Mimicking Metalâ€“Organic Framework for Efficient Electrocatalytic Oxygen Evolution. Journal of the American Chemical Society, 2016, 138, 8336-8339.	13.7	453
17	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general hostâ€“guest strategy. Nature Chemistry, 2020, 12, 764-772.	13.6	452
18	Exceptional Framework Flexibility and Sorption Behavior of a Multifunctional Porous Cuprous Triazolate Framework. Journal of the American Chemical Society, 2008, 130, 6010-6017.	13.7	447

#	Article	IF	Citations
19	Temperature- or Guest-Induced Drastic Single-Crystal-to-Single-Crystal Transformations of a Nanoporous Coordination Polymer. Journal of the American Chemical Society, 2005, 127, 14162-14163.	13.7	422
20	Self-Assembled Three-Dimensional Coordination Polymers with Unusual Ligand-Unsupported Agâ^'Ag Bonds: Syntheses, Structures, and Luminescent Properties. Angewandte Chemie - International Edition, 1999, 38, 2237-2240.	13.8	415
21	Single-crystal X-ray diffraction studies on structural transformations of porous coordination polymers. Chemical Society Reviews, 2014, 43, 5789-5814.	38.1	408
22	Blue photoluminescent zinc coordination polymers with supertetranuclear cores. Chemical Communications, 2000, , 2043-2044.	4.1	402
23	Recent Advances in Luminescent Monomeric, Multinuclear, and Polymeric Zn(II) and Cd(II) Coordination Complexes. Australian Journal of Chemistry, 2004, 57, 703.	0.9	399
24	Optimized Acetylene/Carbon Dioxide Sorption in a Dynamic Porous Crystal. Journal of the American Chemical Society, 2009, 131, 5516-5521.	13.7	399
25	Crystal engineering of binary metal imidazolate and triazolate frameworks. Chemical Communications, 2006, , 1689.	4.1	386
26	A Highly Connected Porous Coordination Polymer with Unusual Channel Structure and Sorption Properties. Angewandte Chemie - International Edition, 2009, 48, 5287-5290.	13.8	361
27	Helical Ribbons of Cadmium(II) and Zinc(II) Dicarboxylates with Bipyridyl-Like Chelatesâ^' Syntheses, Crystal Structures and Photoluminescence. European Journal of Inorganic Chemistry, 2003, 2003, 2965-2971.	2.0	349
28	Modular and Stepwise Synthesis of a Hybrid Metalâ€"Organic Framework for Efficient Electrocatalytic Oxygen Evolution. Journal of the American Chemical Society, 2017, 139, 1778-1781.	13.7	341
29	Cage-Confinement Pyrolysis Route to Ultrasmall Tungsten Carbide Nanoparticles for Efficient Electrocatalytic Hydrogen Evolution. Journal of the American Chemical Society, 2017, 139, 5285-5288.	13.7	336
30	Hydroxide Ligands Cooperate with Catalytic Centers in Metalâ€"Organic Frameworks for Efficient Photocatalytic CO₂ Reduction. Journal of the American Chemical Society, 2018, 140, 38-41.	13.7	322
31	Two Unprecedented 3-Connected Three-Dimensional Networks of Copper(I) Triazolates: In Situ Formation of Ligands by Cycloaddition of Nitriles and Ammonia. Angewandte Chemie - International Edition, 2004, 43, 206-209.	13.8	310
32	Nonclassical Active Site for Enhanced Gas Sorption in Porous Coordination Polymer. Journal of the American Chemical Society, 2010, 132, 6654-6656.	13.7	300
33	A New Inorganicâ^'Organic Photoluminescent Material Constructed with Helical [Zn3(Î¼3-OH)(Î¼2-OH)] Chains. Inorganic Chemistry, 2001, 40, 6328-6330.	4.0	282
34	Strong and Dynamic CO₂ Sorption in a Flexible Porous Framework Possessing Guest Chelating Claws. Journal of the American Chemical Society, 2012, 134, 17380-17383.	13.7	281
35	A Review of Mutual Coupling in MIMO Systems. IEEE Access, 2018, 6, 24706-24719.	4.2	281
36	Hydrothermal synthesis and crystal structures of three-dimensional co-ordination frameworks constructed with mixed terephthalate (tp) and 4,4â€²-bipyridine (4,4â€²-bipy) ligands: [M(tp)(4,4â€²-bipy)] (Mâ€...Col	2,7	

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37	Spin Canting and Metamagnetism in a 3D Homometallic Molecular Material Constructed by Interpenetration of Two Kinds of Cobalt(II)-Coordination-Polymer Sheets. Angewandte Chemie - International Edition, 2005, 44, 3079-3082.	13.8	279
38	Clathration of Two-Dimensional Coordination Polymers:â€‰ Synthesis and Structures of [M(4,4â€˜-bpy)2(H2O)2](ClO4)2Â·(2,4â€˜-bpy)2Â·H2O and [Cu(4,4â€˜-bpy)2(H2O)2](ClO4)4Â·(4,4â€˜-H2Bpy) (M=Co, Cd)	13.7	276
39	Exceptional Hydrophobicity of a Large-Pore Metalâ€“Organic Zeolite. Journal of the American Chemical Society, 2015, 137, 7217-7223.	13.7	270
40	Pore Surface Tailored SOD-Type Metal–Organic Zeolites. Advanced Materials, 2011, 23, 1268-1271.	21.0	268
41	A Single-Molecule-Magnetic, Cubane-Based, Triangular Co12 Supercluster. Angewandte Chemie - International Edition, 2007, 46, 1832-1835.	13.8	261
42	Silver(I)â€“hexamethylenetetramine molecular architectures: from self-assembly to designed assembly. Coordination Chemistry Reviews, 2003, 246, 185-202.	18.8	260
43	Chiral Magnetic Metal-Organic Frameworks of Dimetal Subunits:â€‰ Magnetism Tuning by Mixed-Metal Compositions of the Solid Solutions. Inorganic Chemistry, 2006, 45, 7069-7076.	4.0	259
44	A New Route to Supramolecular Isomers via Molecular Templating:Â Nanosized Molecular Polygons of Copper(I) 2-Methylimidazolates. Journal of the American Chemical Society, 2004, 126, 13218-13219.	13.7	256
45	A Molecular Perovskite with Switchable Coordination Bonds for High-Temperature Multiaxial Ferroelectrics. Journal of the American Chemical Society, 2017, 139, 6369-6375.	13.7	254
46	A Dynamic Porous Magnet Exhibiting Reversible Guest-Induced Magnetic Behavior Modulation. Advanced Materials, 2007, 19, 1494-1498.	21.0	247
47	Assembling Magnetic Nanowires into Networks: A Layered CoII Carboxylate Coordination Polymer Exhibiting Single-Chain-Magnet Behavior. Angewandte Chemie - International Edition, 2006, 45, 6310-6314.	13.8	240
48	Controlling flexibility of metal–organic frameworks. National Science Review, 2018, 5, 907-919.	9.5	240
49	Tuning Pore Size in Square-Lattice Coordination Networks for Size-Selective Sieving of CO₂. Angewandte Chemie - International Edition, 2016, 55, 10268-10272.	13.8	237
50	A mixed-valence copper coordination polymer generated by hydrothermal metal/ligand redox reactionsElectronic supplementary (ESI) available: the effective molar magnetic moment Âµeff of 1 vs. T. See http://www.rsc.org/suppdata/cc/b2/b203301a/. Chemical Communications, 2002, , 1342-1343.	4.1	236
51	Highly Selective CO₂ Electroreduction to C₂H₄ Using a Metal–Organic Framework with Dual Active Sites. Journal of the American Chemical Society, 2021, 143, 7242-7246.	13.7	236
52	A Heterometallic Fe^{II}–Dy^{III} Single-Molecule Magnet with a Record Anisotropy Barrier. Angewandte Chemie - International Edition, 2014, 53, 12966-12970.	13.8	235
53	Metal cluster-based functional porous coordination polymers. Coordination Chemistry Reviews, 2015, 293-294, 263-278.	18.8	234
54	Single Crystal-to-Single Crystal Transformation from Ferromagnetic Discrete Molecules to a Spin-Canting Antiferromagnetic Layer. Journal of the American Chemical Society, 2007, 129, 15738-15739.	13.7	233

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55	Monodentate hydroxide as a super strong yet reversible active site for CO₂capture from high-humidity flue gas. Energy and Environmental Science, 2015, 8, 1011-1016.	30.8	233
56	Dehydration-Induced Conversion from a Single-Chain Magnet into a Metamagnet in a Homometallic Nanoporous Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2007, 46, 3456-3459.	13.8	231
57	A New Self-Penetrating Uniform Net, (8,4) (or 86), Containing Planar Four-Coordinate Nodes. Journal of the American Chemical Society, 2003, 125, 16170-16171.	13.7	230
58	Molecular chairs, zippers, zigzag and helical chains: chemical enumeration of supramolecular isomerism based on a predesigned metalâ€“organic building-block. Chemical Communications, 2005, , 1258-1260.	4.1	222
59	A Novel, Highly Electrical Conducting, Single-Component Molecular Material:Â [Ag2(ophen)2] (Hophen) Tj ETQq1 1 0.784314 rgBT /Ove	13.7	221
60	Characterization of Reverberation Chambers for OTA Measurements of Wireless Devices: Physical Formulations of Channel Matrix and New Uncertainty Formula. IEEE Transactions on Antennas and Propagation, 2012, 60, 3875-3891.	5.1	200
61	Supramolecular Organisation of Polymeric Coordination Chains into a Three-Dimensional Network with Nanosized Channels that Clathrate Large Organic Molecules. European Journal of Inorganic Chemistry, 2003, 2003, 138-142.	2.0	199
62	A symbol approach for classification of molecule-based magnetic materials exemplified by coordination polymers of metal carboxylates. Coordination Chemistry Reviews, 2014, 258-259, 1-15.	18.8	198
63	Helical Silver(I)â^'2,4â€˜-Bipyridine Chains Organized into 2-D Networks by Metalâ^'Counterion or Metalâ^'Metal Bonding. Structures of [Ag(2,4â€˜-bipyridine)]X (X-= NO3-or ClO4-). Inorganic Chemistry, 1998, 37, 5278-5281.	4.0	197
64	Putting an ultrahigh concentration of amine groups into a metalâ€“organic framework for CO₂capture at low pressures. Chemical Science, 2016, 7, 6528-6533.	7.4	197
65	Pseudo-Polyrotaxane andÎ²-Sheet Layer-Based Three-Dimensional Coordination Polymers Constructed with Silver Salts and Flexible Pyridyl-Type Ligands. Inorganic Chemistry, 2002, 41, 4846-4848.	4.0	193
66	Syntheses, Crystal Structures, and Physical Properties of Dinuclear Copper(I) and Tetranuclear Mixed-Valence Copper(I,II) Complexes with Hydroxylated Bipyridyl-Like Ligands. Chemistry - A European Journal, 2002, 8, 3187.	3.3	191
67	A â€œStarâ€•Antiferromagnet: A Polymeric Iron(III) Acetate That Exhibits Both Spin Frustration and Longâ€Range Magnetic Ordering. Angewandte Chemie - International Edition, 2007, 46, 6076-6080.	13.8	188
68	Switchable Guest Molecular Dynamics in a Perovskiteâ€Like Coordination Polymer toward Sensitive Thermoresponsive Dielectric Materials. Angewandte Chemie - International Edition, 2015, 54, 914-918.	13.8	186
69	Porous Metalâ^'Organic Framework Based on Î¼₄-oxo Tetrazinc Clusters: Sorption and Guest-Dependent Luminescent Properties. Inorganic Chemistry, 2008, 47, 1346-1351.	4.0	185
70	Molecular Dynamics of Flexible Polar Cations in a Variable Confined Space: Toward Exceptional Twoâ€Step Nonlinear Optical Switches. Advanced Materials, 2016, 28, 5886-5890.	21.0	184
71	A porous coordination framework for highly sensitive and selective solid-phase microextraction of non-polar volatile organic compounds. Chemical Science, 2013, 4, 351-356.	7.4	183
72	High-Performance and Stable Organic Thin-Film Transistors Based on Fused Thiophenes. Advanced Functional Materials, 2006, 16, 426-432.	14.9	180

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73	Giant Heterometallic Cu17Mn28Cluster withTdSymmetry and High-Spin Ground State. Journal of the American Chemical Society, 2007, 129, 1014-1015.	13.7	180
74	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. Advanced Materials, 2018, 30, e1801171.	21.0	180
75	Triple-stranded helices and zigzag chains of copper(i) 2-ethylimidazolate: solvent polarity-induced supramolecular isomerism. Chemical Communications, 2005, , 2232.	4.1	174
76	Hyperfineâ€Interactionâ€Driven Suppression of Quantum Tunneling at Zero Field in a Holmium(III) Singleâ€Ion Magnet. Angewandte Chemie - International Edition, 2017, 56, 4996-5000.	13.8	173
77	Polynuclear CuII12MIII6 (M = Y, Nd, or Gd) Complexes Encapsulating a ClO4- Anion: [Cu12M6(OH)24(H2O)18(pyb)12(ClO4)](ClO4)17.cntdot.nH2O (Pyb = Pyridine Betaine). Journal of the American Chemical Society, 1995, 117, 9600-9601.	13.7	172
78	A Nobleâ€Metalâ€Free Porous Coordination Framework with Exceptional Sensing Efficiency for Oxygen. Angewandte Chemie - International Edition, 2013, 52, 13429-13433.	13.8	170
79	A â€œMolecular Water Pipeâ€ A Giant Tubular Cluster {Dy₇₂} Exhibits Fast Proton Transport and Slow Magnetic Relaxation. Advanced Materials, 2016, 28, 10772-10779.	21.0	170
80	A Solvothermally in Situ Generated Mixed-ligand Approach for NLO-Active Metalâ^'Organic Framework Materials. Inorganic Chemistry, 2005, 44, 4148-4150.	4.0	169
81	Interaction of polypyridyl ruthenium(II) complexes containing non-planar ligands with DNA. Journal of the Chemical Society Dalton Transactions, 1999, , 19-24.	1.1	168
82	Molecular Ladders with Multiple Interpenetration of the Lateral Arms into the Squares of Adjacent Ladders Observed for [M2(4,4â€˜-bpy)3(H2O)2(phba)2](NO3)2Â·4H2O (M = Cu2+or Co2+; 4,4â€˜-bpy =) Tj ETQq0 0 0 rgBT /Overlock	4.0	168
83	Syntheses, Structures, and Properties of Three Novel Coordination Polymers of Silver(I) Aromatic Carboxylates with Hexamethylenetetramine Exhibiting Unique Metalâ^Ï€ Interaction. Organometallics, 2001, 20, 5319-5325.	2.3	164
84	Turning on the flexibility of isoreticular porous coordination frameworks for drastically tunable framework breathing and thermal expansion. Chemical Science, 2013, 4, 1539.	7.4	163
85	A Zeolite-Like Zinc Triazolate Framework with High Gas Adsorption and Separation Performance. Inorganic Chemistry, 2012, 51, 9950-9955.	4.0	155
86	Syntheses, Structures, and Photoluminescence of Three Coordination Polymers of Cadmium Dicarboxylates. Crystal Growth and Design, 2006, 6, 1684-1689.	3.0	153
87	A novel three-dimensional coordination polymer constructed with mixed-valence dimeric copper(i,ii) unitsElectronic supplementary information (ESI) available: synthesis and data for 1. See http://www.rsc.org/suppdata/cc/b2/b210914j/. Chemical Communications, 2003, , 428-429.	4.1	151
88	Crystal-to-crystal transformations of a microporous metalâ€“organic laminated framework triggered by guest exchange, dehydration and readsorption. Dalton Transactions, 2004, , 2217-2223.	3.3	150
89	Controlled Aggregation of Heterometallic Nanoscale Cu12Ln6Clusters (Ln = GdIIIor NdIII) into 2D Coordination Polymers. Inorganic Chemistry, 2005, 44, 559-565.	4.0	150
90	Interlocking of molecular rhombi into a 2D polyrotaxane network via Ï€â€“Ï€ interactions. Crystal structure of [Cu2(bpa)2(phen)2(H2O)]2Â·2H2O (bpa2â€“ = biphenyl-4,4â€²-dicarboxylate, phen =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	149

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91	Effect of the Size of Aromatic Chelate Ligands on the Frameworks of Metal Dicarboxylate Polymers:â€‰ From Helical Chains to 2-D Networks. Crystal Growth and Design, 2005, 5, 695-700.	3.0	146
92	Solvent/additive-free synthesis of porous/zeolitic metal azolate frameworks from metal oxide/hydroxide. Chemical Communications, 2011, 47, 9185.	4.1	146
93	Geometry analysis and systematic synthesis of highly porous isoreticular frameworks with a unique topology. Nature Communications, 2012, 3, 642.	12.8	145
94	Formation of One-Dimensional Metalâ^'Water Chain Containing Cyclic Water Hexamers. Inorganic Chemistry, 2004, 43, 6866-6868.	4.0	144
95	Structural phase transitions in perovskite compounds based on diatomic or multiatomic bridges. CrystEngComm, 2016, 18, 7915-7928.	2.6	144
96	In Situ Solvothermal Generation of 1,2,4-Triazolates and Related Compounds from Organonitrile and Hydrazine Hydrate:Â A Mechanism Study. Inorganic Chemistry, 2007, 46, 1135-1143.	4.0	143
97	Pillared-Layer Microporous Metalâ^'Organic Frameworks Constructed by Robust Hydrogen Bonds. Synthesis, Characterization, and Magnetic and Adsorption Properties of 2,2â€˜-Biimidazole and Carboxylate Complexes. Inorganic Chemistry, 2005, 44, 8836-8845.	4.0	142
98	Self-Assembly of Two- and Three-Dimensional Coordination Networks with Hexamethylenetetramine and Different Silver(I) Salts. Chemistry - A European Journal, 2000, 6, 3729-3738.	3.3	137
99	A Metalâ€“Organic Framework with a Pore Size/Shape Suitable for Strong Binding and Close Packing of Methane. Angewandte Chemie - International Edition, 2016, 55, 4674-4678.	13.8	137
100	Dual-Band Eight-Antenna Array Design for MIMO Applications in 5G Mobile Terminals. IEEE Access, 2019, 7, 71636-71644.	4.2	133
101	Syntheses, Structures, and Photoluminescent Properties of Three Silver(I) Cluster-Based Coordination Polymers with Heteroaryldicarboxylate. Crystal Growth and Design, 2004, 4, 831-836.	3.0	132
102	The First Noncluster Vanadium(IV) Coordination Polymers: Solvothermal Syntheses, Crystal Structure, and Ion Exchange. Journal of Solid State Chemistry, 2001, 160, 118-122.	2.9	131
103	Metallophilicity versus ?-? Interactions: Ligand-Unsupported Argentophilicity/Cuprophilicity in Oligomers-of-Dimers [M2L2]n (M=CuI or AgI, L=tridentate ligand). Chemistry - A European Journal, 2005, 11, 552-561.	3.3	131
104	Toward Designed Assembly of Microporous Coordination Networks Constructed from Silver(I)â^'Hexamethylenetetramine Layers. Inorganic Chemistry, 2001, 40, 3562-3569.	4.0	130
105	Unprecedented (3,9)-Connected (42.6)3(46.621.89) Net Constructed by Trinuclear Mixed-Valence Cobalt Clusters. Crystal Growth and Design, 2007, 7, 980-983.	3.0	130
106	Electrostatic Attraction-Driven Assembly of a Metalâ€“Organic Framework with a Photosensitizer Boosts Photocatalytic CO₂ Reduction to CO. Journal of the American Chemical Society, 2021, 143, 17424-17430.	13.7	127
107	Controlled hydrothermal synthesis of copper(ii or i,ii) coordination polymers via pH-dependent in situ metal/ligand redox reactions. New Journal of Chemistry, 2004, 28, 1412.	2.8	123
108	Two mixed-valence copper(i,ii) imidazolate coordination polymers: metal-valence tuning approach for new topological structuresElectronic supplementary information (ESI) available: Synthesis and additional plots for 1 and 2. See http://www.rsc.org/suppdata/cc/b4/b401691b/. Chemical Communications, 2004, , 1100.	4.1	122

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109	Ferromagnetic-like ordering in a unique three-dimensional coordination polymer featuring mixed azide/carboxylate-bridged trinuclear manganese(ii) clusters as subunitsElectronic supplementary information (ESI) available: the theoretical expressions of the intra-/inter-molecular magnetic interactions, two-dimensional view of 1, temperature dependence of ac magnetic susceptibility and field dependence of magnetization at 1.97 K. See http://www.rsc.org/suppdata/cc/b1/b106314f/. Chemical Communications, 2001, , 2320-2321.	4.1	121
110	Syntheses, Structures, Photoluminescence, and Theoretical Studies of a Novel Class of d10 Metal Complexes of 1H-[1,10]phenanthrolin-2-one. Chemistry - A European Journal, 2003, 9, 3888-3896.	3.3	120
111	Homochiral crystallization of helical coordination chains bridged by achiral ligands: can it be controlled by the ligand structure?. Dalton Transactions, 2005, , 424.	3.3	120
112	Direct visualization of a guest-triggered crystal deformation based on a flexible ultramicroporous framework. Nature Communications, 2013, 4, 2534.	12.8	120
113	Supramolecular Architectures and Helical Water Chains in Cocrystals of Melamine and Aromatic Carboxylic Acids. Crystal Growth and Design, 2005, 5, 617-622.	3.0	119
114	A robust microporous 3D cobalt(ii) coordination polymer with new magnetically frustrated 2D lattices: single-crystal transformation and guest modulation of cooperative magnetic properties. Dalton Transactions, 2006, , 5294.	3.3	118
115	A flexible metal azolate framework with drastic luminescence response toward solvent vapors and carbon dioxide. Chemical Science, 2011, 2, 2214.	7.4	117
116	A Two-Dimensional Iron(II) Carboxylate Linear Chain Polymer that Exhibits a Metamagnetic Spin-Canted Antiferromagnetic to Single-Chain Magnetic Transition. Inorganic Chemistry, 2008, 47, 4077-4087.	4.0	116
117	An octacobalt cluster based, (3,12)-connected, magnetic, porous coordination polymer. Chemical Communications, 2010, 46, 6311.	4.1	116
118	Synthesis and Structural Characterization of Di- and Tetranuclear Zinc Complexes with Phenolate and Carboxylate Bridges. Correlations between13C NMR Chemical Shifts and Carboxylate Binding Modes. Inorganic Chemistry, 2002, 41, 6426-6431.	4.0	115
119	Channel Sounding of Loaded Reverberation Chamber for Over-the-Air Testing of Wireless Devices: Coherence Bandwidth Versus Average Mode Bandwidth and Delay Spread. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 678-681.	4.0	115
120	A novel two-dimensional rectangular network. Synthesis and structure of {[Cu(4,4â€²-bpy)(pyz)(H2O)2][PF6]2}n (4,4â€²-bpyâ€...=â€...4,4â€²-bipyridine, pyzâ€...=â€...pyrazine). Journal of the Chemical Society, Dalton Transactions, 1998, , 5-6.	1.1	114
121	A Mixedâ€Ligand Approach for a Gigantic and Hollow Heterometallic Cage {Ni₆₄RE₉₆} for Gas Separation and Magnetic Cooling Applications. Angewandte Chemie - International Edition, 2016, 55, 9375-9379.	13.8	114
122	Nonâ€3d Metal Modulation of a Cobalt Imidazolate Framework for Excellent Electrocatalytic Oxygen Evolution in Neutral Media. Angewandte Chemie - International Edition, 2019, 58, 139-143.	13.8	113
123	A Planar Switchable 3-D-Coverage Phased Array Antenna and Its User Effects for 28-GHz Mobile Terminal Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6413-6421.	5.1	112
124	An ionic porous coordination framework exhibiting high CO₂affinity and CO₂/CH₄selectivity. Chemical Communications, 2011, 47, 926-928.	4.1	111
125	Selective Aerobic Oxidation of a Metalâ€“Organic Framework Boosts Thermodynamic and Kinetic Propylene/Propane Selectivity. Angewandte Chemie - International Edition, 2019, 58, 7692-7696.	13.8	111
126	Multidimensional Networks Constructed with Isomeric Benzenedicarboxylates and 2,2â€˜-Biimidazole Based on Mono-, Bi-, and Trinuclear Units. Crystal Growth and Design, 2005, 5, 801-806.	3.0	109

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127	Throughput Modeling and Measurement in an Isotropic-Scattering Reverberation Chamber. IEEE Transactions on Antennas and Propagation, 2014, 62, 2130-2139.	5.1	109
128	Molecular perovskite high-energetic materials. Science China Materials, 2018, 61, 1123-1128.	6.3	109
129	Syntheses and crystal structures of four metalâ€“organic co-ordination networks constructed from cadmium(II) thiocyanate and nicotinic acid derivatives with hydrogen bonds. Dalton Transactions RSC, 2001, , 580-585.	2.3	108
130	A Single-Source Approach to Bi2S3and Sb2S3Nanorods via a Hydrothermal Treatment. Crystal Growth and Design, 2004, 4, 513-516.	3.0	107
131	Synthesis, Structures, and Magnetic Properties of Heteronuclear Cu(II)â^'Ln(III) (Ln = La, Gd, or Tb) Complexes. Inorganic Chemistry, 2005, 44, 8285-8292.	4.0	107
132	Adsorptive separation of carbon dioxide: From conventional porous materials to metalâ€“organic frameworks. EnergyChem, 2019, 1, 100016.	19.1	107
133	Supramolecular-jack-like guest in ultramicroporous crystal for exceptional thermal expansion behaviour. Nature Communications, 2015, 6, 6917.	12.8	106
134	Single-crystal-to-single-crystal transformation involving release of bridging water molecules and conversion of chain helicity in a chiral three-dimensional metal-organic framework. Chemical Communications, 2008, , 1551.	4.1	103
135	Solvent-induced supramolecular isomerism in silver(i) 2-methylimidazolate. CrystEngComm, 2006, 8, 351.	2.6	102
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