

Xiao-Ming Chen

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647
papers

44,900
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188
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681
ext. papers

48,770
ext. citations

6.3
avg, IF

7.79
L-index

#	Paper	IF	Citations
647	Metal azolate frameworks: from crystal engineering to functional materials. <i>Chemical Reviews</i> , 2012 , 112, 1001-33	68.1	1337
646	Ligand-directed strategy for zeolite-type metal-organic frameworks: zinc(II) imidazolates with unusual zeolitic topologies. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1557-9	16.4	1246
645	Metal-organic molecular architectures with 2,2'-bipyridyl-like and carboxylate ligands. <i>Coordination Chemistry Reviews</i> , 2005 , 249, 545-565	23.2	900
644	Terminology of metal-organic frameworks and coordination polymers (IUPAC Recommendations 2013). <i>Pure and Applied Chemistry</i> , 2013 , 85, 1715-1724	2.1	743
643	A Stable Pentagonal Bipyramidal Dy(III) Single-Ion Magnet with a Record Magnetization Reversal Barrier over 1000 K. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5441-50	16.4	738
642	Solvothermal in situ metal/ligand reactions: a new bridge between coordination chemistry and organic synthetic chemistry. <i>Accounts of Chemical Research</i> , 2007 , 40, 162-70	24.3	702
641	Syntheses, structures, photoluminescence, and theoretical studies of d(10) metal complexes of 2,2'-dihydroxy-[1,1']binaphthalenyl-3,3'-dicarboxylate. <i>Inorganic Chemistry</i> , 2004 , 43, 830-8	5.1	654
640	Symmetry-Supported Magnetic Blocking at 20 K in Pentagonal Bipyramidal Dy(III) Single-Ion Magnets. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2829-37	16.4	601
639	Supramolecular isomerism in coordination polymers. <i>Chemical Society Reviews</i> , 2009 , 38, 2385-96	58.5	525
638	Copper(I) 1,2,4-triazolates and related complexes: studies of the solvothermal ligand reactions, network topologies, and photoluminescence properties. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5495-506	16.4	502
637	Double-stranded helices and molecular zippers assembled from single-stranded coordination polymers directed by supramolecular interactions. <i>Chemistry - A European Journal</i> , 2002 , 8, 4811-7	4.8	496
636	Hydroxylation of N-heterocycle ligands observed in two unusual mixed-valence Cu(I)/Cu(II) complexes. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1029-31	16.4	433
635	Controlling guest conformation for efficient purification of butadiene. <i>Science</i> , 2017 , 356, 1193-1196	33.3	421
634	Exceptional framework flexibility and sorption behavior of a multifunctional porous cuprous triazolate framework. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6010-7	16.4	416
633	Temperature- or guest-induced drastic single-crystal-to-single-crystal transformations of a nanoporous coordination polymer. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14162-3	16.4	408
632	Coordination polymers, metal-organic frameworks and the need for terminology guidelines. <i>CrystEngComm</i> , 2012 , 14, 3001	3.3	392
631	Recent Advances in Luminescent Monomeric, Multinuclear, and Polymeric Zn(II) and Cd(II) Coordination Complexes. <i>Australian Journal of Chemistry</i> , 2004 , 57, 703	1.2	387

630	Blue photoluminescent zinc coordination polymers with supertetranuclear cores. <i>Chemical Communications</i> , 2000 , 2043-2044	5.8	385
629	Crystal engineering of binary metal imidazolate and triazolate frameworks. <i>Chemical Communications</i> , 2006 , 1689-99	5.8	376
628	An Alkaline-Stable, Metal Hydroxide Mimicking Metal-Organic Framework for Efficient Electrocatalytic Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8336-9	16.4	362
627	Optimized acetylene/carbon dioxide sorption in a dynamic porous crystal. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5516-21	16.4	358
626	Self-Assembled Three-Dimensional Coordination Polymers with Unusual Ligand-Unsupported Ag ^I Ag ^I Bonds: Syntheses, Structures, and Luminescent Properties. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2237-2240	16.4	358
625	A highly connected porous coordination polymer with unusual channel structure and sorption properties. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5287-90	16.4	354
624	Single-crystal X-ray diffraction studies on structural transformations of porous coordination polymers. <i>Chemical Society Reviews</i> , 2014 , 43, 5789-814	58.5	353
623	Helical Ribbons of Cadmium(II) and Zinc(II) Dicarboxylates with Bipyridyl-Like Chelates [Syntheses, Crystal Structures and Photoluminescence. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 2965-2973		346
622	Efficient purification of ethene by an ethane-trapping metal-organic framework. <i>Nature Communications</i> , 2015 , 6, 8697	17.4	326
621	Two unprecedented 3-connected three-dimensional networks of copper(I) triazolates: in situ formation of ligands by cycloaddition of nitriles and ammonia. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 206-9	16.4	295
620	Nonclassical active site for enhanced gas sorption in porous coordination polymer. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6654-6	16.4	283
619	Cage-Confinement Pyrolysis Route to Ultrasmall Tungsten Carbide Nanoparticles for Efficient Electrocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5285-5288	16.4	274
618	Modular and Stepwise Synthesis of a Hybrid Metal-Organic Framework for Efficient Electrocatalytic Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1778-1781	16.4	273
617	Spin canting and metamagnetism in a 3D homometallic molecular material constructed by interpenetration of two kinds of cobalt(II)-coordination-polymer sheets. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3079-82	16.4	272
616	Hydrothermal synthesis and crystal structures of three-dimensional co-ordination frameworks constructed with mixed terephthalate (tp) and 4,4'-bipyridine (4,4'-bipy) ligands: [M(tp)(4,4'-bipy)] (M = CoII, CdII or ZnII). <i>Dalton Transactions RSC</i> , 2000 , 3669-3674		271
615	A new inorganic-organic photoluminescent material constructed with helical [Zn(3)(μ ₃ -OH)(μ ₂ -OH)] chains. <i>Inorganic Chemistry</i> , 2001 , 40, 6328-30	5.1	270
614	Ligand-Directed Strategy for Zeolite-Type Metal-Organic Frameworks: Zinc(II) Imidazolates with Unusual Zeolitic Topologies. <i>Angewandte Chemie</i> , 2006 , 118, 1587-1589	3.6	257
613	A single-molecule-magnetic, cubane-based, triangular Co(12) supercluster. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1832-5	16.4	253

612	Chiral magnetic metal-organic frameworks of dimetal subunits: magnetism tuning by mixed-metal compositions of the solid solutions. <i>Inorganic Chemistry</i> , 2006 , 45, 7069-76	5.1	252
611	A new route to supramolecular isomers via molecular templating: nanosized molecular polygons of copper(I) 2-methylimidazolates. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13218-9	16.4	249
610	Silver(I)Hexamethylenetetramine molecular architectures: from self-assembly to designed assembly. <i>Coordination Chemistry Reviews</i> , 2003 , 246, 185-202	23.2	245
609	Hydroxide Ligands Cooperate with Catalytic Centers in Metal-Organic Frameworks for Efficient Photocatalytic CO Reduction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 38-41	16.4	243
608	Strong and dynamic CO ₂ sorption in a flexible porous framework possessing guest chelating claws. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17380-3	16.4	239
607	A Dynamic Porous Magnet Exhibiting Reversible Guest-Induced Magnetic Behavior Modulation. <i>Advanced Materials</i> , 2007 , 19, 1494-1498	24	238
606	Assembling magnetic nanowires into networks: a layered CoII carboxylate coordination polymer exhibiting single-chain-magnet behavior. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6310-4	16.4	235
605	Clathration of Two-Dimensional Coordination Polymers: Synthesis and Structures of [M(4,4'-bpy)(2)(H(2)O)(2)](ClO(4))(2).(2,4'-bpy)(2).H(2)O and [Cu(4,4'-bpy)(2)(H(2)O)(2)](ClO(4))(4).(4,4'-H(2)Bpy) (M = Cd(II), Zn(II) and bpy = Bipyridine). <i>Inorganic Chemistry</i> , 1998 , 37, 2645-2650	5.1	231
604	Pore surface tailored SOD-type metal-organic zeolites. <i>Advanced Materials</i> , 2011 , 23, 1268-71	24	228
603	Single crystal-to-single crystal transformation from ferromagnetic discrete molecules to a spin-canting antiferromagnetic layer. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15738-9	16.4	228
602	A mixed-valence copper coordination polymer generated by hydrothermal metal/ligand redox reactions. <i>Chemical Communications</i> , 2002 , 1342-3	5.8	225
601	Dehydration-induced conversion from a single-chain magnet into a metamagnet in a homometallic nanoporous metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3456-9	16.4	224
600	A new self-penetrating uniform net, (8,4) (or 8(6)), containing planar four-coordinate nodes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 16170-1	16.4	223
599	A novel, highly electrical conducting, single-component molecular material: [Ag ₂ (ophen) ₂] (Hophen = 1H-[1,10]phenanthroline-2-one). <i>Journal of the American Chemical Society</i> , 2003 , 125, 6882-3	16.4	217
598	Metal cluster-based functional porous coordination polymers. <i>Coordination Chemistry Reviews</i> , 2015 , 293-294, 263-278	23.2	215
597	Exceptional Hydrophobicity of a Large-Pore Metal-Organic Zeolite. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7217-23	16.4	214
596	Molecular chairs, zippers, zigzag and helical chains: chemical enumeration of supramolecular isomerism based on a predesigned metal-organic building-block. <i>Chemical Communications</i> , 2005 , 1258-60	5.8	214
595	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , 2020 , 12, 764-772	17.6	207

594	A heterometallic Fe(II)-Dy(III) single-molecule magnet with a record anisotropy barrier. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12966-70	16.4	207
593	Supramolecular Organisation of Polymeric Coordination Chains into a Three-Dimensional Network with Nanosized Channels that Clathrate Large Organic Molecules. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 138-142	2.3	192
592	A Molecular Perovskite with Switchable Coordination Bonds for High-Temperature Multiaxial Ferroelectrics. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6369-6375	16.4	187
591	Pseudo-polyrotaxane and beta-sheet layer-based three-dimensional coordination polymers constructed with silver salts and flexible pyridyl-type ligands. <i>Inorganic Chemistry</i> , 2002 , 41, 4846-8	5.1	186
590	Monodentate hydroxide as a super strong yet reversible active site for CO ₂ capture from high-humidity flue gas. <i>Energy and Environmental Science</i> , 2015 , 8, 1011-1016	35.4	185
589	Tuning Pore Size in Square-Lattice Coordination Networks for Size-Selective Sieving of CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10268-72	16.4	185
588	Syntheses, crystal structures, and physical properties of dinuclear copper(I) and tetranuclear mixed-valence copper(I,II) complexes with hydroxylated bipyridyl-like ligands. <i>Chemistry - A European Journal</i> , 2002 , 8, 3187-94	4.8	185
587	Porous metal-organic framework based on mu ₄ -oxo tetrazinc clusters: sorption and guest-dependent luminescent properties. <i>Inorganic Chemistry</i> , 2008 , 47, 1346-51	5.1	180
586	A symbol approach for classification of molecule-based magnetic materials exemplified by coordination polymers of metal carboxylates. <i>Coordination Chemistry Reviews</i> , 2014 , 258-259, 1-15	23.2	175
585	Giant heterometallic Cu(17)Mn(28) cluster with T(d) symmetry and high-spin ground state. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1014-5	16.4	172
584	Helical Silver(I) ₂ ,4-Bipyridine Chains Organized into 2-D Networks by Metal-Metal Counterion or Metal-Metal Bonding. Structures of [Ag(2,4-Bipyridine)]X (X = NO ₃ ⁻ or ClO ₄ ⁻). <i>Inorganic Chemistry</i> , 1998 , 37, 5278-5281	5.1	172
583	A "Star" antiferromagnet: a polymeric iron(III) acetate that exhibits both spin frustration and long-range magnetic ordering. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6076-80	16.4	171
582	High-Performance and Stable Organic Thin-Film Transistors Based on Fused Thiophenes. <i>Advanced Functional Materials</i> , 2006 , 16, 426-432	15.6	169
581	Triple-stranded helices and zigzag chains of copper(I) 2-ethylimidazolate: solvent polarity-induced supramolecular isomerism. <i>Chemical Communications</i> , 2005 , 2232-4	5.8	168
580	A porous coordination framework for highly sensitive and selective solid-phase microextraction of non-polar volatile organic compounds. <i>Chemical Science</i> , 2013 , 4, 351-356	9.4	166
579	A solvothermally in situ generated mixed-ligand approach for NLO-active metal-organic framework materials. <i>Inorganic Chemistry</i> , 2005 , 44, 4148-50	5.1	164
578	Switchable guest molecular dynamics in a perovskite-like coordination polymer toward sensitive thermoresponsive dielectric materials. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 914-8	16.4	162
577	Interaction of polypyridyl ruthenium(II) complexes containing non-planar ligands with DNA. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 19-24		161

576	Syntheses, Structures, and Properties of Three Novel Coordination Polymers of Silver(I) Aromatic Carboxylates with Hexamethylenetetramine Exhibiting Unique Metal-Interaction. <i>Organometallics</i> , 2001 , 20, 5319-5325	3.8	157
575	Molecular ladders with multiple interpenetration of the lateral arms into the squares of adjacent ladders observed for $[M_2(4,4'\text{-bpy})_3(\text{H}_2\text{O})_2(\text{phba})_2](\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$ ($M = \text{Cu}^{2+}$ or Co^{2+} ; 4,4'-bpy = 4,4'-bipyridine; phba = 4-hydroxybenzoate). <i>Inorganic Chemistry</i> , 2000 , 39, 2235-8	5.1	156
574	A noble-metal-free porous coordination framework with exceptional sensing efficiency for oxygen. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13429-33	16.4	152
573	Controlling flexibility of metal-organic frameworks. <i>National Science Review</i> , 2018 , 5, 907-919	10.8	150
572	Syntheses, Structures, and Photoluminescence of Three Coordination Polymers of Cadmium Dicarboxylates. <i>Crystal Growth and Design</i> , 2006 , 6, 1684-1689	3.5	150
571	. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 3875-3891	4.9	147
570	A Review of Mutual Coupling in MIMO Systems. <i>IEEE Access</i> , 2018 , 6, 24706-24719	3.5	146
569	Putting an ultrahigh concentration of amine groups into a metal-organic framework for CO capture at low pressures. <i>Chemical Science</i> , 2016 , 7, 6528-6533	9.4	145
568	Effect of the Size of Aromatic Chelate Ligands on the Frameworks of Metal Dicarboxylate Polymers: From Helical Chains to 2-D Networks. <i>Crystal Growth and Design</i> , 2005 , 5, 695-700	3.5	145
567	A novel three-dimensional coordination polymer constructed with mixed-valence dimeric copper(I,II) units. <i>Chemical Communications</i> , 2003 , 428-9	5.8	145
566	Turning on the flexibility of isorecticular porous coordination frameworks for drastically tunable framework breathing and thermal expansion. <i>Chemical Science</i> , 2013 , 4, 1539	9.4	144
565	Controlled aggregation of heterometallic nanoscale $\text{Cu}_{12}\text{Ln}_6$ clusters ($\text{Ln} = \text{Gd}(\text{III})$ or $\text{Nd}(\text{III})$) into 2D coordination polymers. <i>Inorganic Chemistry</i> , 2005 , 44, 559-65	5.1	144
564	Interlocking of molecular rhombi into a 2D polyrotaxane network via pi-pi interactions. Crystal structure of $[\text{Cu}_2(\text{bpa})_2(\text{phen})_2(\text{H}_2\text{O})]_2 \cdot 2\text{H}_2\text{O}$ (bpa ²⁻ = biphenyl-4,4'-dicarboxylate, phen = 1,10-phenanthroline). <i>Chemical Communications</i> , 2002 , 1442-3	5.8	144
563	Crystal-to-crystal transformations of a microporous metal-organic laminated framework triggered by guest exchange, dehydration and readsorption. <i>Dalton Transactions</i> , 2004 , 2217-23	4.3	143
562	Formation of one-dimensional metal-water chain containing cyclic water hexamers. <i>Inorganic Chemistry</i> , 2004 , 43, 6866-8	5.1	142
561	Polynuclear $\text{Cu}_{12}\text{M}_{11}\text{I}_6$ ($M = \text{Y}$, Nd , or Gd) Complexes Encapsulating a ClO_4^- Anion: $[\text{Cu}_{12}\text{M}_6(\text{OH})_{24}(\text{H}_2\text{O})_{18}(\text{pyb})_{12}(\text{ClO}_4)](\text{ClO}_4)_{17} \cdot n\text{H}_2\text{O}$ (Pyb = Pyridine Betaine). <i>Journal of the American Chemical Society</i> , 1995 , 117, 9600-9601	16.4	141
560	Pillared-layer microporous metal-organic frameworks constructed by robust hydrogen bonds. Synthesis, characterization, and magnetic and adsorption properties of 2,2'-biimidazole and carboxylate complexes. <i>Inorganic Chemistry</i> , 2005 , 44, 8836-45	5.1	140
559	Hyperfine-Interaction-Driven Suppression of Quantum Tunneling at Zero Field in a Holmium(III) Single-Ion Magnet. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4996-5000	16.4	139

558	Geometry analysis and systematic synthesis of highly porous isorecticular frameworks with a unique topology. <i>Nature Communications</i> , 2012 , 3, 642	17.4	139
557	Molecular Dynamics of Flexible Polar Cations in a Variable Confined Space: Toward Exceptional Two-Step Nonlinear Optical Switches. <i>Advanced Materials</i> , 2016 , 28, 5886-90	24	137
556	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2018 , 30, e1801171	24	134
555	Solvent/additive-free synthesis of porous/zeolitic metal azolate frameworks from metal oxide/hydroxide. <i>Chemical Communications</i> , 2011 , 47, 9185-7	5.8	131
554	In situ solvothermal generation of 1,2,4-triazolates and related compounds from organonitrile and hydrazine hydrate: a mechanism study. <i>Inorganic Chemistry</i> , 2007 , 46, 1135-43	5.1	131
553	The First Noncluster Vanadium(IV) Coordination Polymers: Solvothermal Syntheses, Crystal Structure, and Ion Exchange. <i>Journal of Solid State Chemistry</i> , 2001 , 160, 118-122	3.3	127
552	Unprecedented (3,9)-Connected (42.6)3(46.621.89) Net Constructed by Trinuclear Mixed-Valence Cobalt Clusters. <i>Crystal Growth and Design</i> , 2007 , 7, 980-983	3.5	126
551	Syntheses, Structures, and Photoluminescent Properties of Three Silver(I) Cluster-Based Coordination Polymers with Heteroaryldicarboxylate. <i>Crystal Growth and Design</i> , 2004 , 4, 831-836	3.5	125
550	Toward designed assembly of microporous coordination networks constructed from silver(I)-hexamethylenetetramine layers. <i>Inorganic Chemistry</i> , 2001 , 40, 3562-9	5.1	125
549	A zeolite-like zinc triazolate framework with high gas adsorption and separation performance. <i>Inorganic Chemistry</i> , 2012 , 51, 9950-5	5.1	124
548	Metallophilicity versus pi-pi interactions: ligand-unsupported argentophilicity/cuprophilicity in oligomers-of-dimers [M2L2] _n (M=CuI or AgI, L=tridentate ligand). <i>Chemistry - A European Journal</i> , 2005 , 11, 552-61	4.8	124
547	Self-assembly of two- and three-dimensional coordination networks with hexamethylenetetramine and different silver(I) salts. <i>Chemistry - A European Journal</i> , 2000 , 6, 3729-38	4.8	121
546	Controlled hydrothermal synthesis of copper(II or I,II) coordination polymers via pH-dependent in situ metal/ligand redox reactions. <i>New Journal of Chemistry</i> , 2004 , 28, 1412	3.6	120
545	Ferrimagnetic-like ordering in a unique three-dimensional coordination polymer featuring mixed azide/carboxylate-bridged trinuclear manganese (II) clusters as subunits. <i>Chemical Communications</i> , 2001 , 2320-1	5.8	120
544	Homochiral crystallization of helical coordination chains bridged by achiral ligands: can it be controlled by the ligand structure?. <i>Dalton Transactions</i> , 2005 , 424-6	4.3	117
543	A robust microporous 3D cobalt(II) coordination polymer with new magnetically frustrated 2D lattices: single-crystal transformation and guest modulation of cooperative magnetic properties. <i>Dalton Transactions</i> , 2006 , 5294-303	4.3	117
542	Two mixed-valence copper(I,II) imidazolate coordination polymers: metal-valence tuning approach for new topological structures. <i>Chemical Communications</i> , 2004 , 1100-1	5.8	117
541	A "Molecular Water Pipe": A Giant Tubular Cluster {Dy} Exhibits Fast Proton Transport and Slow Magnetic Relaxation. <i>Advanced Materials</i> , 2016 , 28, 10772-10779	24	116

540	Structural phase transitions in perovskite compounds based on diatomic or multiatomic bridges. <i>CrystEngComm</i> , 2016 , 18, 7915-7928	3.3	116
539	Syntheses, structures, photoluminescence, and theoretical studies of a novel class of d10 metal complexes of 1H-[1,10]phenanthroline-2-one. <i>Chemistry - A European Journal</i> , 2003 , 9, 3888-96	4.8	114
538	An octacobalt cluster based, (3,12)-connected, magnetic, porous coordination polymer. <i>Chemical Communications</i> , 2010 , 46, 6311-3	5.8	112
537	A Metal-Organic Framework with a Pore Size/Shape Suitable for Strong Binding and Close Packing of Methane. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4674-8	16.4	111
536	A novel two-dimensional rectangular network. Synthesis and structure of $\{[\text{Cu}(4,4\text{-bpy})(\text{pyz})(\text{H}_2\text{O})_2][\text{PF}_6]_2\}_n$ (4,4'-bpy = 4,4'-bipyridine, pyz = pyrazine). <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 5-6		110
535	A flexible metal azolate framework with drastic luminescence response toward solvent vapors and carbon dioxide. <i>Chemical Science</i> , 2011 , 2, 2214	9.4	109
534	A two-dimensional iron(II) carboxylate linear chain polymer that exhibits a metamagnetic spin-canted antiferromagnetic to single-chain magnetic transition. <i>Inorganic Chemistry</i> , 2008 , 47, 4077-87	5.1	109
533	Multidimensional Networks Constructed with Isomeric Benzenedicarboxylates and 2,2'-Bimidazole Based on Mono-, Bi-, and Trinuclear Units. <i>Crystal Growth and Design</i> , 2005 , 5, 801-806	3.5	108
532	Direct visualization of a guest-triggered crystal deformation based on a flexible ultramicroporous framework. <i>Nature Communications</i> , 2013 , 4, 2534	17.4	106
531	Supramolecular Architectures and Helical Water Chains in Cocrystals of Melamine and Aromatic Carboxylic Acids. <i>Crystal Growth and Design</i> , 2005 , 5, 617-622	3.5	105
530	Synthesis and structural characterization of di- and tetranuclear zinc complexes with phenolate and carboxylate bridges. Correlations between ^{13}C NMR chemical shifts and carboxylate binding modes. <i>Inorganic Chemistry</i> , 2002 , 41, 6426-31	5.1	105
529	A Single-Source Approach to Bi_2S_3 and Sb_2S_3 Nanorods via a Hydrothermal Treatment. <i>Crystal Growth and Design</i> , 2004 , 4, 513-516	3.5	104
528	An ionic porous coordination framework exhibiting high CO_2 affinity and CO_2/CH_4 selectivity. <i>Chemical Communications</i> , 2011 , 47, 926-8	5.8	103
527	Syntheses and crystal structures of four metal-organic co-ordination networks constructed from cadmium(II) thiocyanate and nicotinic acid derivatives with hydrogen bonds. <i>Dalton Transactions RSC</i> , 2001 , 580-585		102
526	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. <i>Chemical Communications</i> , 2008 , 1551-3	5.8	100
525	Synthesis, structures, and magnetic properties of heteronuclear Cu(II)-Ln(III) ($\text{Ln} = \text{La, Gd, or Tb}$) complexes. <i>Inorganic Chemistry</i> , 2005 , 44, 8285-92	5.1	100
524	A porous coordination polymer assembled from 8-connected $\{\text{Co(II)}_3(\text{OH})\}$ clusters and isonicotinate: multiple active metal sites, apical ligand substitution, H_2 adsorption, and magnetism. <i>Inorganic Chemistry</i> , 2011 , 50, 2321-8	5.1	96
523	Microwave-assisted elemental direct reaction route to nanocrystalline copper chalcogenides CuSe and Cu_2Te . <i>Journal of Materials Chemistry</i> , 2002 , 12, 2747-2748		95

522	Fluoride-enhanced lanthanide luminescence and white-light emitting in multifunctional Al ₃ Ln ₂ (Ln = Nd, Eu, Yb) heteropentanuclear complexes. <i>Chemical Communications</i> , 2009 , 7318-20	5.8	94
521	Syntheses, structures, photoluminescence, and theoretical studies of a class of beryllium(II) compounds of aromatic N,O-chelate ligands. <i>Inorganic Chemistry</i> , 2005 , 44, 4270-5	5.1	94
520	Hydrothermal synthesis and crystal structures of two bimetallic chain-like and cluster complexes [Co(phen) ₂ VO ₁₇] _n and [Cu(phen) ₂ VO ₂₉] ₆ H ₂ O. <i>Chemical Communications</i> , 2000 , 1817-1818	5.8	94
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518	Channel Sounding of Loaded Reverberation Chamber for Over-the-Air Testing of Wireless Devices: Coherence Bandwidth Versus Average Mode Bandwidth and Delay Spread. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 678-681	3.8	91
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