

# Ming-Liang Tong

## List of Publications by Citations

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#	Paper	IF	Citations
356	Metal-organic molecular architectures with 2,2'-bipyridyl-like and carboxylate ligands. <i>Coordination Chemistry Reviews</i> , <b>2005</b> , 249, 545-565	23.2	900
355	Magnetic hysteresis up to 80 kelvin in a dysprosium metallocene single-molecule magnet. <i>Science</i> , <b>2018</b> , 362, 1400-1403	33.3	864
354	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> , <b>2016</b> , 138, 5441-50	16.4	738
353	A Dysprosium Metallocene Single-Molecule Magnet Functioning at the Axial Limit. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11445-11449	16.4	707
352	Solvothermal in situ metal/ligand reactions: a new bridge between coordination chemistry and organic synthetic chemistry. <i>Accounts of Chemical Research</i> , <b>2007</b> , 40, 162-70	24.3	702
351	Symmetry-Supported Magnetic Blocking at 20 K in Pentagonal Bipyramidal Dy(III) Single-Ion Magnets. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2829-37	16.4	601
350	A neutral 3D copper coordination polymer showing 1D open channels and the first interpenetrating NbO-type network. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 192-5	16.4	536
349	Symmetry strategies for high performance lanthanide-based single-molecule magnets. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 2431-2453	58.5	533
348	Hydroxylation of N-heterocycle ligands observed in two unusual mixed-valence Cu(I)/Cu(II) complexes. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1029-31	16.4	433
347	Switching the anisotropy barrier of a single-ion magnet by symmetry change from quasi-D5h to quasi-O <sub>h</sub> . <i>Chemical Science</i> , <b>2013</b> , 4, 3310	9.4	402
346	Blue photoluminescent zinc coordination polymers with supertetranuclear cores. <i>Chemical Communications</i> , <b>2000</b> , 2043-2044	5.8	385
345	Self-Assembled Three-Dimensional Coordination Polymers with Unusual Ligand-Unsupported Ag-Ag Bonds: Syntheses, Structures, and Luminescent Properties. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 2237-2240	16.4	358
344	Recent advances in the design of magnetic molecules for use as cryogenic magnetic coolants. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 281, 26-49	23.2	273
343	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> , <b>2000</b> , 3669-3674		271
342	A new inorganic-organic photoluminescent material constructed with helical [Zn(3)(μ <sub>3</sub> -OH)(μ <sub>2</sub> -OH)] chains. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 6328-30	5.1	270
341	Silver(I) Hexamethylenetetramine molecular architectures: from self-assembly to designed assembly. <i>Coordination Chemistry Reviews</i> , <b>2003</b> , 246, 185-202	23.2	245
340	Assembling magnetic nanowires into networks: a layered CoII carboxylate coordination polymer exhibiting single-chain-magnet behavior. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 6310-4	16.4	235

- 339 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). *Inorganic Chemistry*, **1998**, 37, 2645-2650 5.1 231
- 338 A mixed-valence copper coordination polymer generated by hydrothermal metal/ligand redox reactions. *Chemical Communications*, **2002**, 1342-3 5.8 225
- 337 A new self-penetrating uniform net, (8,4) (or 8(6)), containing planar four-coordinate nodes. *Journal of the American Chemical Society*, **2003**, 125, 16170-1 16.4 223
- 336 Recent advances in guest effects on spin-crossover behavior in Hofmann-type metal-organic frameworks. *Coordination Chemistry Reviews*, **2017**, 335, 28-43 23.2 213
- 335 Temperature-controlled hydrothermal synthesis of a 2D ferromagnetic coordination bilayered polymer and a novel 3D network with inorganic Co<sub>3</sub>(OH)<sub>2</sub> ferrimagnetic chains. *Chemical Communications*, **2004**, 418-9 5.8 213
- 334 A heterometallic Fe(II)-Dy(III) single-molecule magnet with a record anisotropy barrier. *Angewandte Chemie - International Edition*, **2014**, 53, 12966-70 16.4 207
- 333 A six-coordinate ytterbium complex exhibiting easy-plane anisotropy and field-induced single-ion magnet behavior. *Inorganic Chemistry*, **2012**, 51, 8538-44 5.1 204
- 332 Luminescent single-molecule magnets based on lanthanides: Design strategies, recent advances and magneto-luminescent studies. *Coordination Chemistry Reviews*, **2019**, 378, 365-381 23.2 198
- 331 Polynuclear and polymeric gadolinium acetate derivatives with large magnetocaloric effect. *Inorganic Chemistry*, **2012**, 51, 405-13 5.1 193
- 330 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 2.3 192
- 329 Unique nanoscale {Cu(II)<sub>36</sub>Ln(III)<sub>24</sub>} (Ln = Dy and Gd) metallo-rings. *Chemical Communications*, **2012**, 48, 5286-8 5.8 190
- 328 Pseudo-polyrotaxane and beta-sheet layer-based three-dimensional coordination polymers constructed with silver salts and flexible pyridyl-type ligands. *Inorganic Chemistry*, **2002**, 41, 4846-8 5.1 186
- 327 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, 3187-94 4.8 185
- 326 Single Ion Magnets from 3d to 5f: Developments and Strategies. *Chemistry - A European Journal*, **2018**, 24, 7574-7594 4.8 180
- 325 Cu<sup>2+</sup>-mediated dehydrogenative coupling and hydroxylation of an N-heterocyclic ligand: from generation of a new tetratopic ligand to the designed assembly of three-dimensional copper(I) coordination polymers. *Angewandte Chemie - International Edition*, **2005**, 44, 5471-5 16.4 179
- 324 The first {Dy<sub>4</sub>} single-molecule magnet with a toroidal magnetic moment in the ground state. *Inorganic Chemistry*, **2012**, 51, 1233-5 5.1 177
- 323 Giant heterometallic Cu<sub>17</sub>Mn<sub>28</sub> cluster with T<sub>d</sub> symmetry and high-spin ground state. *Journal of the American Chemical Society*, **2007**, 129, 1014-5 16.4 172
- 322 Helical Silver(I)<sub>2</sub>,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<sub>3</sub><sup>-</sup> or ClO<sub>4</sub><sup>-</sup>). *Inorganic Chemistry*, **1998**, 37, 5278-5281 5.1 172

321	A "Star" antiferromagnet: a polymeric iron(III) acetate that exhibits both spin frustration and long-range magnetic ordering. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6076-80	16.4	171
320	Syntheses, Structures, and Properties of Three Novel Coordination Polymers of Silver(I) Aromatic Carboxylates with Hexamethylenetetramine Exhibiting Unique Metal-Interaction. <i>Organometallics</i> , <b>2001</b> , 20, 5319-5325	3.8	157
319	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 $\text{Co}^{2+}$ ; 4,4'-bpy = 4,4'-bipyridine; phba = 4-hydroxybenzoate). <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 2235-8	5.1	156
318	New in situ cleavage of both S-S and S-C(sp <sup>2</sup> ) bonds and rearrangement reactions toward the construction of copper(I) cluster-based coordination networks. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 795-800	5.1	146
317	A novel three-dimensional coordination polymer constructed with mixed-valence dimeric copper(I,II) units. <i>Chemical Communications</i> , <b>2003</b> , 428-9	5.8	145
316	Controlled aggregation of heterometallic nanoscale $\text{Cu}_{12}\text{Ln}_6$ clusters ( $\text{Ln} = \text{Gd(III)}$ or $\text{Nd(III)}$ ) into 2D coordination polymers. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 559-65	5.1	144
315	A large cryogenic magnetocaloric effect exhibited at low field by a 3D ferromagnetically coupled Mn(II)-Gd(III) framework material. <i>Chemical Communications</i> , <b>2012</b> , 48, 12219-21	5.8	142
314	Supramolecular Isomerism in Cadmium Hydroxide Phases. Temperature-Dependent Synthesis and Structure of Photoluminescent Coordination Polymers of $\text{[Cd}_2(\text{OH})_2(2,4\text{-pyda})]$ . <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 837-839	3.5	141
313	Hyperfine-Interaction-Driven Suppression of Quantum Tunneling at Zero Field in a Holmium(III) Single-Ion Magnet. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4996-5000	16.4	139
312	Study of a magnetic-cooling material $\text{Gd}(\text{OH})\text{CO}_3$ . <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 9851-9858	13	131
311	Rational design and construction of the first tetrahedral net with photoluminescent $\text{Cu}_4\text{I}_4$ cubane cluster as the tetrahedral node. <i>Dalton Transactions</i> , <b>2005</b> , 1165-7	4.3	130
310	From arm-shaped layers to a new type of polythreaded array: a two fold interpenetrated three-dimensional network with a rutile topology. <i>Chemical Communications</i> , <b>2004</b> , 1876-7	5.8	130
309	Anion-templated assembly and magnetocaloric properties of a nanoscale $\{\text{Gd}_{38}\}$ cage versus a $\{\text{Gd}_{48}\}$ barrel. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 14876-85	4.8	128
308	Hydrothermal synthesis, structures, and photoluminescent properties of benzenepentacarboxylate bridged networks incorporating zinc(II)-hydroxide clusters or zinc(II)-carboxylate layers. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 190-9	5.1	127
307	The First Noncluster Vanadium(IV) Coordination Polymers: Solvothermal Syntheses, Crystal Structure, and Ion Exchange. <i>Journal of Solid State Chemistry</i> , <b>2001</b> , 160, 118-122	3.3	127
306	Toward designed assembly of microporous coordination networks constructed from silver(I)-hexamethylenetetramine layers. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 3562-9	5.1	125
305	A Dysprosium Metallocene Single-Molecule Magnet Functioning at the Axial Limit. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11603-11607	3.6	124
304	Distinct Molecular Motions in a Switchable Chromophore Dielectric 4-N,N-Dimethylamino-4'-N'-methylstilbazolium Trifluoromethanesulfonate. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4855-4861	15.6	124

303	Self-assembly of two- and three-dimensional coordination networks with hexamethylenetetramine and different silver(I) salts. <i>Chemistry - A European Journal</i> , <b>2000</b> , 6, 3729-38	4.8	121
302	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> , <b>2004</b> , 28, 1412	3.6	120
301	Homochiral crystallization of helical coordination chains bridged by achiral ligands: can it be controlled by the ligand structure?. <i>Dalton Transactions</i> , <b>2005</b> , 424-6	4.3	117
300	A novel two-dimensional rectangular network. Synthesis and structure of $[\text{Cu}(\text{4,4}'\text{-bpy})(\text{pyz})(\text{H}_2\text{O})_2][\text{PF}_6]_2)_n$ (4,4'-bpy = 4,4'-bipyridine, pyz = pyrazine). <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 5-6		110
299	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> , <b>2008</b> , 47, 4077-87	5.1	109
298	Double-strand DNA cleavage by copper complexes of 2,2'-dipyridyl with electropositive pendants. <i>Dalton Transactions</i> , <b>2006</b> , 2066-71	4.3	105
297	Wheel-shaped nanoscale 3d-4f $\{\text{Co}(\text{II})_{16}\text{Ln}(\text{III})_{24}\}$ clusters (Ln = Dy and Gd). <i>Chemical Communications</i> , <b>2013</b> , 49, 8081-3	5.8	104
296	Symmetry related $[\text{DyIII}_6\text{MnIII}_{12}]$ cores with different magnetic anisotropies. <i>Chemical Science</i> , <b>2011</b> , 2, 1268	9.4	103
295	The effect of an active guest on the spin crossover phenomenon. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1198-202	16.4	101
294	Synthesis, structures, and magnetic properties of heteronuclear Cu(II)-Ln(III) (Ln = La, Gd, or Tb) complexes. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 8285-92	5.1	100
293	Coexistence of Planar and Chair-Shaped Cyclic Water Hexamers in a Unique Cyclohexanehexacarboxylate-Bridged Metal-Organic Framework. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 357-359	3.5	100
292	1D Tubular Chains and 3D Polycatenane Frameworks Constructed with $\text{Cu}_2\text{X}_2$ Dimers (X = Br-, I-, CN-) and Flexible Dipyridyl Spacers. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 2543-2550	3.5	99
291	The coordination chemistry of cyclohexanepolycarboxylate ligands. Structures, conformation and functions. <i>Coordination Chemistry Reviews</i> , <b>2011</b> , 255, 421-450	23.2	98
290	Novel three-dimensional 3d-4f microporous magnets exhibiting selective gas adsorption behavior. <i>Chemical Communications</i> , <b>2008</b> , 6348-50	5.8	96
289	A zigzag DyIII <sub>4</sub> cluster exhibiting single-molecule magnet, ferroelectric and white-light emitting properties. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 8858-8864	7.1	95
288	Hydrothermal synthesis and crystal structures of two bimetallic chain-like and cluster complexes $[\{\text{Co}(\text{phen})_2\}_2\text{V}_6\text{O}_{17}]_n$ and $[\{\text{Cu}(\text{phen})_2\}_4\text{V}_{10}\text{O}_{29}]\cdot 6\text{H}_2\text{O}$ . <i>Chemical Communications</i> , <b>2000</b> , 1817-1818	5.8	94
287	A brilliant cryogenic magnetic coolant: magnetic and magnetocaloric study of ferromagnetically coupled GdF <sub>3</sub> . <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 12206-12211	7.1	93
286	Adjusting the Porosity and Interpenetration of Cadmium(II) Coordination Polymers by Ligand Modification: Syntheses, Structures, and Adsorption Properties. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 1138-1144	3.5	92

- 285 Pure trinuclear 4f single-molecule magnets: synthesis, structures, magnetism and ab initio investigation. *Chemistry - A European Journal*, **2011**, 17, 2458-66 4.8 91
- 284 A novel three-dimensional triangular organic-inorganic hybrid network self-assembled by mononuclear  $[\text{Mn}(4,4\text{-bipyridine})_2(\text{H}_2\text{O})_4]^{2+}$  cations and rich solvate 4,4'-bipyridine molecules through hydrogen-bonding and  $\pi$ -interactions. *Journal of the Chemical Society Dalton Transactions RSC*, **2001**, 1770-771 88
- 283 Synthesis, structures, and magnetic properties of the copper(II), cobalt(II), and manganese(II) complexes with 9-acridinecarboxylate and 4-quinolinecarboxylate ligands. *Inorganic Chemistry*, **2005**, 44, 9837-46 5.1 87
- 282 Complexation, structure, and superoxide dismutase activity of the imidazolate-bridged dinuclear copper moiety with beta-cyclodextrin and its guanidinium-containing derivative. *Journal of the American Chemical Society*, **2006**, 128, 4924-5 16.4 87
- 281 A novel polycatenated double-layered hybrid organic-inorganic material constructed from  $[\text{Zn}_2(\text{tp})(4,4\text{-bpy})]_{n2n+}$  layers and  $\text{V}_4\text{O}_{12}$  pillars. *Dalton Transactions RSC*, **2001**, 770-771 87
- 280 Syntheses and structures of six chain-, ladder- and grid-like co-ordination polymers constructed from hexamethylenetetramine and silver salts. *Dalton Transactions RSC*, **2001**, 586-592 86
- 279 Synthesis, crystal structures and properties of six cubane-like transition metal complexes of di-2-pyridyl ketone in gem-diol form. *Dalton Transactions RSC*, **2002**, 1727-1734 85
- 278 Two novel Dy<sub>8</sub> and Dy<sub>11</sub> clusters with cubane  $[\text{Dy}_4(\text{B-OH})_4]^{8+}$  units exhibiting slow magnetic relaxation behaviour. *Dalton Transactions*, **2011**, 40, 10229-36 4.3 84
- 277 A novel high-spin heterometallic Ni<sub>12</sub>K<sub>4</sub> cluster incorporating large Ni-azide circles and an in situ cyanomethylated di-2-pyridyl ketone. *Chemical Communications*, **2005**, 233-5 5.8 84
- 276 Multifunctional Dy(III)<sub>4</sub> cluster exhibiting white-emitting, ferroelectric and single-molecule magnet behavior. *Chemistry - A European Journal*, **2013**, 19, 8769-73 4.8 83
- 275 Gadolinium(III)-hydroxy ladders trapped in succinate frameworks with optimized magnetocaloric effect. *Chemistry - A European Journal*, **2013**, 19, 13504-10 4.8 81
- 274 Cu(II)-Gd(III) cryogenic magnetic refrigerants and Cu<sub>8</sub>Dy<sub>9</sub> single-molecule magnet generated by in situ reactions of picolinaldehyde and acetylpyridine: experimental and theoretical study. *Chemistry - A European Journal*, **2013**, 19, 17567-77 4.8 80
- 273 Dynamic Magnetic and Optical Insight into a High Performance Pentagonal Bipyramidal Dy Single-Ion Magnet. *Chemistry - A European Journal*, **2017**, 23, 5708-5715 4.8 79
- 272 Coexistence of spin frustration and long-range magnetic ordering in a triangular Co(II)<sub>3</sub>( $\mu_3$ -OH)-based two-dimensional compound. *Chemical Communications*, **2006**, 165-7 5.8 79
- 271 Desolvation-Driven 100-Fold Slow-down of Tunneling Relaxation Rate in Co(II)-Dy(III) Single-Molecule Magnets through a Single-Crystal-to-Single-Crystal Process. *Scientific Reports*, **2015**, 5, 16621 4.9 78
- 270 Two new 3D metal-organic frameworks of nanoscale cages constructed by Cd(II) and conformationally-flexible cyclohexanehexacarboxylate. *Chemical Communications*, **2006**, 3166-8 5.8 76
- 269 "Half-sandwich" Yb(III) single-ion magnets with metallocrowns. *Chemical Communications*, **2015**, 51, 10291-4 75
- 268 Construction of Pyridinethiolate-Bridged 2D and 3D Coordination Networks of d<sup>10</sup> Metal Halides via Solvothermal in Situ Disulfide Cleavage Reactions. *Crystal Growth and Design*, **2007**, 7, 2352-2360 3.5 75

267	Rational Design and Control of the Dimensions of Channels in Three-Dimensional, Porous Metal-Organic Frameworks Constructed with Predesigned Hexagonal Layers and Pillars. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 1931-1935	2.3	73
266	Synthesis, Structure and Photoluminescent Studies of Two Novel Layered Uranium Coordination Polymers Constructed from UO(OH) Polyhedra and Pyridinedicarboxylates. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 4109-4117	2.3	72
265	Gadolinium oxalate derivatives with enhanced magnetocaloric effect via ionothermal synthesis. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 9052-7	5.1	70
264	Probing single-chain magnets in a family of linear chain compounds constructed by magnetically anisotropic metal-ions and cyclohexane-1,2-dicarboxylate analogues. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 11202-11	5.1	70
263	Coordination chemistry of conformation-flexible 1,2,3,4,5,6-cyclohexanehexacarboxylate: trapping various conformations in metal-organic frameworks. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 7218-35	4.8	70
262	Rational Synthesis and Characterization of Two Three-Dimensional Metal-Organic Frameworks Incorporating Silver Chains and 1,2,3,4,5,6-Cyclohexanehexacarboxylate. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 2069-2077	2.3	70
261	Syntheses, structures and magnetic properties of a family of metal carboxylate polymers via in situ metal-ligand reactions of benzene-1,2,3-tricarboxylic acid. <i>Dalton Transactions</i> , <b>2009</b> , 1396-406	4.3	68
260	Symmetry-related [Ln(III)6Mn(III)12] clusters toward single-molecule magnets and cryogenic magnetic refrigerants. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 457-63	5.1	66
259	Guest-Switchable Multi-Step Spin Transitions in an Amine-Functionalized Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 14982-14986	16.4	65
258	Remarkably high-temperature spin transition exhibited by new 2D metal-organic frameworks. <i>Chemical Science</i> , <b>2012</b> , 3, 1629	9.4	65
257	Reactivity of 4-amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole, structures and magnetic properties of polynuclear and polymeric Mn(II), Cu(II) and Cd(II) complexes. <i>Dalton Transactions</i> , <b>2009</b> , 10284-95	4.3	65
256	Synthesis and crystal structures of two infinite molecular ladders Ag(4,4'-bpy)X (X = MeCO2·H2O or H2PO4·H3PO4): function of hydrogen-bonding interaction. <i>Inorganic Chemistry Communication</i> , <b>2000</b> , 3, 436-441	3.1	65
255	A unique open inorganic-organic framework with alternate hexa- and penta-coordinate cobalt(II) sites. Synthesis, crystal structure and magnetic properties of [Co3(C4H4O4)2.5(OH)]n·0.5nH2O. <i>Dalton Transactions RSC</i> , <b>2001</b> , 2888-2890		65
254	Heterometallic cubane-like {M2Ln2} (M = Ni, Zn; Ln = Gd, Dy) and {Ni2Y2} aggregates. Synthesis, structures and magnetic properties. <i>Dalton Transactions</i> , <b>2012</b> , 41, 2320-9	4.3	63
253	Double-strand DNA cleavage by copper complexes of 2,2'-dipyridyl with guanidinium/ammonium pendants. <i>Dalton Transactions</i> , <b>2008</b> , 3207-14	4.3	63
252	Two- and three-dimensional non-interpenetrating open-networks self-assembled by μ4-hexamethylenetetramine (hmt). Syntheses and structures of [Ag2(μ4-hmt)(SO4)(H2O)]·4H2O and [Ag2(μ4-hmt)(μ-O2CMe)]MeCO2·4.5H2O. <i>Chemical Communications</i> , <b>1999</b> , 561-562	5.8	63
251	Two 3d-4f nanomagnets formed via a two-step in situ reaction of picolinaldehyde. <i>Chemical Communications</i> , <b>2013</b> , 49, 6549-51	5.8	61
250	Chloride templated formation of {Dy12(OH)16}20+ cluster core incorporating 1,10-phenanthroline-2,9-dicarboxylate. <i>CrystEngComm</i> , <b>2011</b> , 13, 3345	3.3	61

- 249 Ferrimagnetic [CoII<sub>3</sub>(micro-3-OH)<sub>2</sub>(RCO<sub>2</sub>)<sub>4</sub>] chains embedded in a laminar hybrid material exhibiting single-chain magnet behaviour. *Dalton Transactions*, **2009**, 1897-900 4.3 60
- 248 Relaxations in heterolanthanide dinuclear single-molecule magnets. *Chemical Communications*, **2013**, 49, 158-60 5.8 59
- 247 Spin-frustrated complex, [Fe(II)Fe(III)(trans-1,4-cyclohexanedicarboxylate)<sub>1.5</sub>]<sub>infinity</sub>: interplay between single-chain magnetic behavior and magnetic ordering. *Inorganic Chemistry*, **2009**, 48, 2028-42 5.1 58
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