

# Cai-Ming Liu

## List of Publications by Citations

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|--------------------|-------------------------|----------------|-----------------|
| 219<br>papers      | 6,188<br>citations      | 43<br>h-index  | 66<br>g-index   |
| 226<br>ext. papers | 6,667<br>ext. citations | 4.1<br>avg, IF | 5.89<br>L-index |

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 219 | Low Threshold Voltage Transistors Based on Individual Single-Crystalline Submicrometer-Sized Ribbons of Copper Phthalocyanine. <i>Advanced Materials</i> , <b>2006</b> , 18, 65-68   | 24   | 236       |
| 218 | A novel two-dimensional mixed molybdenum–vanadium polyoxometalate with two types of cobalt(II) complex fragments as bridges. <i>Chemical Communications</i> , <b>2002</b> , 1416-1417  | 5.8  | 215       |
| 217 | The First Organic-Inorganic Hybrid Luminescent Multiferroic: (Pyrrolidinium)MnBr <sub>3</sub> . <i>Advanced Materials</i> , <b>2015</b> , 27, 3942-6   | 24   | 199       |
| 216 | Nanoscale homochiral C(3)-symmetric mixed-valence manganese cluster complexes with both ferromagnetic and ferroelectric properties. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4044-5  | 16.4 | 159       |
| 215 | Dehydrogenative coupling of phenanthroline under hydrothermal conditions: crystal structure of a novel layered vanadate complex constructed of 4,8,10-net sheets: [(2,2Pbiphen)Co]V <sub>3</sub> O <sub>8</sub> .5. <i>Chemical Communications</i> , <b>2001</b> , 1670-1  | 5.8  | 159       |
| 214 | Fine-Tuning Ligand to Modulate the Magnetic Anisotropy in a Carboxylate-Bridged Dy <sub>2</sub> Single-Molecule Magnet System. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 5578-84  | 5.1  | 114       |
| 213 | Field-induced single-ion magnets based on enantiopure chiral $\beta$ -diketonate ligands. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 8933-40   | 5.1  | 110       |
| 212 | Metamagnetism and slow magnetic dynamics in an antiferromagnet composed of cobalt(II) chains with mixed azide-carboxylate bridges. <i>Chemical Communications</i> , <b>2011</b> , 47, 1815-7   | 5.8  | 105       |
| 211 | One- and Two-Dimensional Coordination Polymers Constructed from Bicapped Keggin Mixed Molybdenum–Vanadium Heteropolyoxoanions and Polynuclear Copper(I) Clusters Bridged by Asymmetrical Bipyridine (2,4-Bipy and 2,3-Bipy) Ligands. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 524-529   | 3.5  | 104       |
| 210 | A Cation-Exchange Approach for the Fabrication of Efficient Methylammonium Tin Iodide Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6688-6692   | 16.4 | 98        |
| 209 | Mixed Molybdenum–Vanadium Polyoxoanion-Bridged Trimetallic Nanocluster Complexes: Hydrothermal Syntheses and Crystal Structures of {MoVI <sub>6</sub> MoV <sub>2</sub> VIV <sub>8</sub> O <sub>40</sub> (PO <sub>4</sub> )[Co(phen) <sub>2</sub> (H <sub>2</sub> O)] <sub>2</sub> }[Co <sub>2</sub> (phen) <sub>2</sub> (OH) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> ] <sub>1/2</sub> and {MoVI <sub>5</sub> MoV <sub>3</sub> VIV <sub>8</sub> O <sub>40</sub> (PO <sub>4</sub> )[Co(phen)(en)(H <sub>2</sub> O)] <sub>2</sub> }[Co(phen) <sub>3</sub> Cl <sub>2</sub> (H <sub>2</sub> O)] <sub>1/2</sub> . <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 1639-1642 | 3.5  | 93        |
| 208 | Antiferro- and ferromagnetic interactions in Mn(II), Co(II), and Ni(II) compounds with mixed azide-carboxylate bridges. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 6142-51   | 5.1  | 89        |
| 207 | 3D Supramolecular Array Assembled by Cross-like Arrangement of 1D Sandwich Mixed Molybdenum–Vanadium Polyoxometalate Bridged Coordination Polymer Chains: Hydrothermal Synthesis and Crystal Structure of {[MoVI <sub>5</sub> MoV <sub>3</sub> VIV <sub>8</sub> O <sub>40</sub> (PO <sub>4</sub> )] [Ni(en) <sub>2</sub> ]} [Ni(en) <sub>2</sub> ] <sub>2</sub> ·4H <sub>2</sub> O. <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 1639-1642  | 3.5  | 87        |
| 206 | A unique 3D alternating ferro- and antiferromagnetic manganese azide system with threefold interpenetrating (10,3) nets. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 990-4  | 16.4 | 86        |
| 205 | Evolution from linear tetranuclear clusters into one-dimensional chains of Dy(III) single-molecule magnets with an enhanced energy barrier. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 1149-1156  | 6.8  | 79        |
| 204 | Modulation of homochiral Dy(III) complexes: single-molecule magnets with ferroelectric properties. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14632-7   | 4.8  | 79        |
| 203 | Hydrothermal synthesis and crystal structure of a novel two-dimensional vanadium oxide complex with a 6,14-net sinusoidal ruffling anionic layer: [Ni(phen) <sub>2</sub> V(4)O(11)] (phen = 1,10-phenanthroline). <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 140-3   | 5.1  | 70        |

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|-----|---|-----|----|
| 202 | 1D Coordination polymers constructed from anti-anti carboxylato-bridged Mn(III)(3)O(Brppz)(3) units: from long-range magnetic ordering to single-chain magnet behaviors. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 4980-7  | 5.1 | 68 |
| 201 | Three-Dimensional Eight- or Four-Connected MetalOrganic Frameworks Tuned by Hydrothermal Temperatures. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 1312-1317  | 3.5 | 68 |
| 200 | S-heterocyclic annelated perylene bisimide: synthesis and co-crystal with pyrene. <i>Chemical Communications</i> , <b>2006</b> , 4587-9   | 5.8 | 68 |
| 199 | Tautomeric effect of hydrazone Schiff bases in tetranuclear Cu(II) complexes: magnetism and catalytic activity towards mild hydrocarboxylation of alkanes. <i>Dalton Transactions</i> , <b>2013</b> , 42, 16578-87  | 4.3 | 67 |
| 198 | 3d-4f heterometallic trinuclear complexes derived from amine-phenol tripodal ligands exhibiting magnetic and luminescent properties. <i>Dalton Transactions</i> , <b>2017</b> , 46, 1153-1162   | 4.3 | 61 |
| 197 | Syntheses, Crystal Structures, and Magnetic Properties of Two p-tert-Butylsulfonylcalix[4]arene Supported Cluster Complexes with a Totally Disordered Ln <sub>4</sub> (OH) <sub>4</sub> Cubane Core. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 2948-2954                     | 3.5 | 61 |
| 196 | Crystal structure and some properties of a novel potent Cu <sub>2</sub> Zn <sub>2</sub> SOD model schiff base copper(II) complex *[Cu(bppn)](ClO <sub>4</sub> ) <sub>2</sub> ·2 H <sub>2</sub> O. <i>Polyhedron</i> , <b>1996</b> , 15, 4565-4571                                       | 2.7 | 60 |
| 195 | Dinuclear Mn(II,II) complexes: magnetic properties and microwave assisted oxidation of alcohols. <i>Dalton Transactions</i> , <b>2014</b> , 43, 3966-77   | 4.3 | 59 |
| 194 | Heptanuclear 3d-4f cluster complexes with a coaxial double-screw-propeller topology and diverse magnetic properties. <i>Dalton Transactions</i> , <b>2010</b> , 39, 11325-8   | 4.3 | 57 |
| 193 | Spin Glass Behaviour in a 1D Mixed Molybdenum-Vanadium Heteropolyoxometalate-Bridged Coordination Polymer. <i>European Journal of Inorganic Chemistry</i> , <b>2004</b> , 2004, 4774-4779   | 2.3 | 57 |
| 192 | Coordination complexes of 2-(4-quinolyl)nitronyl nitroxide with M(hfac) <sub>2</sub> [M = Mn(II), Co(II), and Cu(II)]: syntheses, crystal structures, and magnetic characterization. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 4091-8  | 5.1 | 57 |
| 191 | Luminescent, magnetic and ferroelectric properties of noncentrosymmetric chain-like complexes composed of nine-coordinate lanthanide ions. <i>Dalton Transactions</i> , <b>2013</b> , 42, 15317-25  | 4.3 | 56 |
| 190 | One-dimensional homochiral cyano-bridged heterometallic chain coordination polymers with metamagnetic or ferroelectric properties. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 10177-85  | 5.1 | 56 |
| 189 | A single-molecule magnet featuring a parallelogram [Dy <sub>4</sub> (OCH <sub>2</sub> ) <sub>4</sub> ] core and two magnetic relaxation processes. <i>Dalton Transactions</i> , <b>2013</b> , 42, 14813-8   | 4.3 | 55 |
| 188 | 4-(N,N-Dimethylamine)benzonitrile (DMABN) derivatives with boronic acid and boronate groups: new fluorescent sensors for saccharides and fluoride ion. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1964   |     | 53 |
| 187 | Unprecedented self-catenated eight-connected network based on novel azide-bridged tetramanganese(II) clusters. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 789-91  | 5.1 | 50 |
| 186 | A novel bimetallic cage complex constructed from six V <sub>4</sub> Co pentatomic rings: hydrothermal synthesis and crystal structure of [(2,2PPy <sub>2</sub> NH) <sub>2</sub> Co] <sub>3</sub> V <sub>8</sub> O <sub>23</sub> . <i>Chemical Communications</i> , <b>2001</b> , 1636-7 | 5.8 | 50 |
| 185 | Chiral induction in the ionothermal synthesis of a 3D chiral heterometallic metal-organic framework constructed from achiral 1,4-naphthalenedicarboxylate. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 6773-5  | 5.1 | 49 |

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| 184 | A 3D MOF constructed from dysprosium(III) oxalate and capping ligands: ferromagnetic coupling and field-induced two-step magnetic relaxation. <i>Chemical Communications</i> , <b>2016</b> , 52, 4804-7  | 5.8 | 49 |
| 183 | Ionothermal synthesis of a 3D dysprosium <sup>III</sup> ,4-benzenedicarboxylate framework based on the 1D rod-shaped dysprosium <sup>III</sup> carboxylate building blocks exhibiting slow magnetization relaxation. <i>CrystEngComm</i> , <b>2014</b> , 16, 486-491   | 3.3 | 47 |
| 182 | Anion Effects on Lanthanide(III) Tetrazole-1-acetate Dinuclear Complexes Showing Slow Magnetic Relaxation and Photofluorescent Emission. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3738-49  | 5.1 | 47 |
| 181 | Coordination chemistry of tetrazolate-5-carboxylate with manganese(II): synthesis, structure and magnetism. <i>Dalton Transactions</i> , <b>2009</b> , 2721-30   | 4.3 | 45 |
| 180 | New skeletal 3D polymeric inorganic cluster [W <sub>4</sub> S <sub>16</sub> Cu <sub>16</sub> Cl <sub>16</sub> ] <sub>n</sub> with Cu in mixed-valence states: solid-state synthesis, crystal structure, and third-order nonlinear optical properties. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 9128-30   | 5.1 | 45 |
| 179 | The first case of an actinide polyrotaxane incorporating cucurbituril: a unique Dragon-like Pt twist induced by a specific coordination pattern of uranium. <i>Chemical Communications</i> , <b>2014</b> , 50, 3612-5  | 5.8 | 44 |
| 178 | Electron transport through a self-assembled monolayer of thiol-end-functionalized tetraphenylporphines and metal tetraphenylporphines. <i>Langmuir</i> , <b>2006</b> , 22, 3035-9  | 4   | 44 |
| 177 | Field-Induced Slow Magnetic Relaxation and Gas Adsorption Properties of a Bifunctional Cobalt(II) Compound. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 11362-8   | 5.1 | 43 |
| 176 | Trinuclear CuII Structural Isomers: Coordination, Magnetism, Electrochemistry and Catalytic Activity towards the Oxidation of Alkanes. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 3959-3969  | 2.3 | 43 |
| 175 | Novel three-dimensional metal-azide network induced by a bipyridine-based zwitterionic monocarboxylate ligand: structures and magnetism. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 8092-8   | 5.1 | 41 |
| 174 | Structures and magnetism of azide- and carboxylate-bridged metal(II) systems derived from 1,2-bis(N-carboxymethyl-4-pyridinio)ethane. <i>Dalton Transactions</i> , <b>2010</b> , 39, 1846-54   | 4.3 | 41 |
| 173 | Solvatomagnetic effect and spin-glass behavior in a 1D coordination polymer constructed from EE-azido bridged MnIIIIO units. <i>Chemical Communications</i> , <b>2008</b> , 368-70   | 5.8 | 41 |
| 172 | Crystal structure and novel magnetic property of a three-dimensional manganese(II)-1,3-azido system. <i>Inorganic Chemistry Communication</i> , <b>1999</b> , 2, 31-34   | 3.1 | 40 |
| 171 | Slow magnetization relaxation in Ni(II)Dy(III)Fe(III) molecular cycles. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 1206-8  | 5.1 | 39 |
| 170 | New type of organic semiconductors for field-effect transistors with carbon-carbon triple bonds. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 1477  |     | 39 |
| 169 | 7-trifluoromethylquinoline-functionalized luminescent photochromic spiropyran with the stable merocyanine species both in solution and in the solid state. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 8924-31   | 4.2 | 39 |
| 168 | Hydrothermal syntheses and crystal structures of two-dimensional (2D) layered vanadium oxide complexes: M(bipy)(H <sub>2</sub> O)V <sub>2</sub> O <sub>6</sub> (M = Ni, Co, bipy = bipyridine) and [Ni(bipy) <sub>2</sub> V <sub>6</sub> O <sub>17</sub> ]. <i>Dalton Transactions RSC</i> , <b>2002</b> , 598 |     | 39 |
| 167 | Supramolecular lanthanide metallogrids exhibiting field-induced single-ion magnetic behavior. <i>Dalton Transactions</i> , <b>2013</b> , 42, 4369-72   | 4.3 | 38 |

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| 166 | Nestlike C <sub>4</sub> -symmetric [Co <sub>24</sub> ] metallamacrocycle sustained by p-tert-butylsulfonylcalix[4]arene and 1,2,4-triazole. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 12285-8  | 4.8 | 38 |
| 165 | Enhanced single-ion magnetic and ferroelectric properties of mononuclear Dy(III) enantiomeric pairs through the coordination role of chiral ligands. <i>Chemical Communications</i> , <b>2017</b> , 53, 3998-4001  | 5.8 | 37 |
| 164 | Heterodinuclear M(II)-Ln(III) single molecule magnets constructed from exchange-coupled single ion magnets. <i>Dalton Transactions</i> , <b>2014</b> , 43, 11309-16  | 4.3 | 37 |
| 163 | Cyanide-bridged 1D Mn(III)Be(III) bimetallic complexes: synthesis, crystal structure and magnetic properties. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 2296   | 3.6 | 37 |
| 162 | Nonadecanuclear . <i>Inorganic Chemistry Communication</i> , <b>2008</b> , 11, 675-677   | 3.1 | 37 |
| 161 | 3D chiral and 2D achiral cobalt(II) compounds constructed from a 4-(benzimidazole-1-yl)benzoic ligand exhibiting field-induced single-ion-magnet-type slow magnetic relaxation. <i>Dalton Transactions</i> , <b>2016</b> , 45, 7768-75   | 4.3 | 36 |
| 160 | Two- and three-dimensional lanthanide-organic frameworks constructed using 1-hydro-6-oxopyridine-3-carboxylate and oxalate ligands. <i>Dalton Transactions</i> , <b>2009</b> , 5666-72   | 4.3 | 36 |
| 159 | Trinuclear [CoIII <sub>2</sub> -LnIII] (Ln=Tb, Dy) single-ion magnets with mixed 6-chloro-2-hydroxypyridine and Schiff base ligands. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 1847-53  | 4.5 | 35 |
| 158 | A novel, more vivid Cu <sub>2</sub> Zn <sub>2</sub> SOD model: crystal structure and some properties of the Schiff base copper(II) complex: [Cu(appn)](ClO <sub>4</sub> ) <sub>2</sub> ·H <sub>2</sub> O. <i>Polyhedron</i> , <b>1997</b> , 16, 119-123  | 2.7 | 34 |
| 157 | Syntheses, crystal structures, and magnetic properties of two cyclic dimer M <sub>2</sub> L <sub>2</sub> complexes constructed from a new nitronyl nitroxide ligand and M(hfac) <sub>2</sub> (M = Cu <sup>2+</sup> , Mn <sup>2+</sup> ). <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 3553-3559   | 2.7 | 34 |
| 156 | A sandwich-type triple-decker lanthanide complex with mixed phthalocyanine and Schiff base ligands. <i>Dalton Transactions</i> , <b>2013</b> , 42, 11043-6   | 4.3 | 33 |
| 155 | Synthesis, Crystal Structure and Third-Order Nonlinear Optical Behavior of a Novel Dimeric Mixed-Ligand Zinc(II) Complex of 1,3-Dithiole-2-thione-4,5-dithiolate. <i>European Journal of Inorganic Chemistry</i> , <b>2002</b> , 2002, 1591-1594   | 2.3 | 32 |
| 154 | A homochiral Zn-Dy heterometallic left-handed helical chain complex without chiral ligands: anion-induced assembly and multifunctional integration. <i>Chemical Communications</i> , <b>2018</b> , 54, 13379-13382   | 5.8 | 32 |
| 153 | New types of heterospin complexes from trans-oxamido-bridged copper(II) binuclear units and nitronyl nitroxide radicals: crystal structure and magnetic characterization. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 6620-7  | 5.1 | 31 |
| 152 | Coordination complexes of molybdenum with 3,6-di-tert-butylcatechol. Addition products of DMSO, pyridine N-oxide, and triphenylarsine oxide to the putative [MoVIO(3,6-DBCat) <sub>2</sub> ] monomer and self-assembly of the chiral [(MoVIO(3,6-DBCat) <sub>2</sub> ) <sub>4</sub> ] square. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 2114-24 | 5.1 | 31 |
| 151 | In situ hydrothermal decarboxylation for unprecedented three-dimensional lanthanide-organic frameworks. <i>Inorganic Chemistry Communication</i> , <b>2008</b> , 11, 903-906   | 3.1 | 30 |
| 150 | A Novel Mixed-Valence CuI/CuII Coordination Polymer: Solvothermal Synthesis, Crystal Structure, and Magnetic Properties of CuI[CuII(2-Pyrazinecarboxylate) <sub>2</sub> (H <sub>2</sub> O)(ClO <sub>4</sub> )]. <i>European Journal of Inorganic Chemistry</i> , <b>2003</b> , 2003, 3618-3622   | 2.3 | 30 |
| 149 | Carboxylic acid-dependent assembly of neodymium-organic frameworks with attractive topologies and second-order nonlinear optical and/or magnetic properties. <i>CrystEngComm</i> , <b>2008</b> , 10, 1674  | 3.3 | 28 |

- 148 3D Organic-Inorganic Perovskite Ferroelastic Materials with Two Ferroelastic Phases: [Et P(CH)<sub>3</sub>F][Mn(dca)] and [Et P(CH)<sub>3</sub>Cl][Mn(dca)]. *Chemistry - A European Journal*, **2019**, 25, 6447-6454 4.8 27
- 147 Organic-Inorganic Hybrid Aligned by the Ligand-Ligand Hydrogen Bonds by Using Pyridyl-Substituted Oxalamides as the Building Blocks. *Crystal Growth and Design*, **2008**, 8, 869-876 3.5 27
- 146 Tris[tri(2-thienyl)phosphine]palladium as the catalyst precursor for thiophene-based Suzuki-Miyaura crosscoupling and polycondensation. *Journal of Polymer Science Part A*, **2008**, 46, 4556-4563 2.5 27
- 145 Synthesis, Crystal Structure, and Magnetic Properties of a Three-Dimensional Cyano-Bridged Bimetallic Coordination Polymer with an Aromatic Amine Capping Ligand: [Cu(2,2′-bpa)]<sub>3</sub>[Cr(CN)<sub>6</sub>]<sub>2</sub>·2H<sub>2</sub>O (2,2′-bpa = 2,2′-Dipicolylamine). *Crystal Growth and Design*, **2006**, 6, 94-98 3.5 27
- 144 Family of Chiral Zn-Ln (Ln = Dy and Tb) Heterometallic Complexes Derived from the Amine-Phenol Ligand Showing Multifunctional Properties. *Inorganic Chemistry*, **2020**, 59, 2811-2824 5.1 26
- 143 Crystal structure and spectroscopic and magnetic properties of a novel cis-4,4′-bipyridine polymeric complex of NiII: cis-catena-(4,4′-bipy) [Ni(Et-XA)<sub>2</sub>]<sub>n</sub>·0.5EtOH·CHCl<sub>3</sub>. *Polyhedron*, **1997**, 16, 2667-2671 2.7 26
- 142 Luminescence and slow magnetic relaxation of isostructural 2D lanthanide metal-organic frameworks derived from both nicotinate N-oxide and glutarate. *RSC Advances*, **2015**, 5, 92980-92987 3.7 25
- 141 A trimetallic strategy towards ZnDyCr and ZnDyCo single-ion magnets. *Dalton Transactions*, **2015**, 44, 15413-6 4.3 25
- 140 Two-step warming solvothermal syntheses, luminescence and slow magnetic relaxation of isostructural dense LnMOFs based on nanoscale 3-connected linkers. *Inorganic Chemistry Frontiers*, **2016**, 3, 1076-1081 6.8 25
- 139 Multiple thermal magnetic relaxation in a two-dimensional ferromagnetic dysprosium(III) metal-organic framework. *RSC Advances*, **2015**, 5, 104854-104861 3.7 25
- 138 Rhodamine Salicylaldehyde Hydrazone Dy(III) Complexes: Fluorescence and Magnetism. *Inorganic Chemistry*, **2018**, 57, 4061-4069 5.1 24
- 137 Tetranuclear Uranyl Polyrotaxanes: Preferred Selectivity toward Uranyl Tetramer for Stabilizing a Flexible Polyrotaxane Chain Exhibiting Weakened Supramolecular Inclusion. *Chemistry - A European Journal*, **2015**, 21, 10226-35 4.8 24
- 136 Ferromagnetic disklike Mn(IV)Mn(II)<sub>3</sub>Na(I)<sub>3</sub> heptanuclear complex with a S = 9 ground state. *Inorganic Chemistry*, **2009**, 48, 792-4 5.1 24
- 135 Synthetic Route to a Triphenylenehexaselenol-Based Metal Organic Framework with Semi-conductive and Glassy Magnetic Properties. *IScience*, **2020**, 23, 100812 6.1 23
- 134 Single-Molecule Magnet Behavior of 1D Coordination Polymers Based on DyZn(salen) Units and Pyridin- N-Oxide-4-Carboxylate: Structural Divergence and Magnetic Regulation. *Inorganic Chemistry*, **2018**, 57, 11077-11086 5.1 22
- 133 Synthesis, crystal structure and magnetic properties of dinuclear NiIIInIII complexes based on a flexible polydentate ligand. *Dalton Transactions*, **2013**, 42, 11227-33 4.3 22
- 132 Syntheses, crystal structures and magnetic properties of two dicopper(II) complexes and a zigzag 1-D Cu(II) complex of a bidentate pyridyl-pyrazole ligand. *Polyhedron*, **2011**, 30, 715-724 2.7 22
- 131 Metallocyclic NiLnM single-molecule magnets. *Dalton Transactions*, **2017**, 46, 6544-6552 4.3 21



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|-----|---|-----|----|
| 130 | Ligand-directed assembly of trinuclear and one-dimensional heterotrimetallic CuII LnIII FeIII complexes: unusual antiferromagnetic CuII FeIII coupling via cyano bridges. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 8643-8649       | 3.6 | 21 |
| 129 | Experimental and theoretical exploration of magnetic exchange interactions and single-molecule magnetic behaviour of bis(μ-carboxylate)Gd/Dy systems. <i>Dalton Transactions</i> , <b>2018</b> , 47, 11455-11469                              | 4.3 | 21 |
| 128 | Chiral six-coordinate Dy(III) and Tb(III) complexes of an achiral ligand: structure, fluorescence, and magnetism. <i>Dalton Transactions</i> , <b>2017</b> , 46, 13035-13042  | 4.3 | 21 |
| 127 | Calixarene-Supported Polynuclear Cobalt(II) Cluster Complexes Tuned by Substitution Groups of the Second Bridging Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 4210-4217                                     | 2.3 | 21 |
| 126 | Spin-canting in a 1D chain Mn(II) complex with alternating double end-on and double end-to-end azido bridging ligands. <i>Inorganic Chemistry Communication</i> , <b>2007</b> , 10, 897-901   | 3.1 | 21 |
| 125 | Two novel windmill-like tetrasupporting heteropolyoxometalates: [MoVI7MoVVIV8O40(PO4)] [M(phen)2(OH)]2 [M(phen)2(OEt)]2 (M=Co, Ni). <i>Solid State Sciences</i> , <b>2004</b> , 6, 689-696  | 3.4 | 21 |
| 124 | Solvothermal synthesis, crystal structure and magnetic property of a new dinuclear manganese(II)-azido complex: [Mn(2,2'-dpa)(N3)2]2 (2,2'-dpa = 2,2'-dipicolylamine). <i>Inorganica Chimica Acta</i> , <b>2005</b> , 358, 834-838            | 2.7 | 21 |
| 123 | Novel silver(I) complexes derived from tetrakis(methylthio)tetrathiafulvalene and bis(ethylenedithio)tetrathiafulvalene with 3D and 1D structures. <i>New Journal of Chemistry</i> , <b>2002</b> , 26, 490-494                                | 3.6 | 21 |
| 122 | Slow magnetic relaxation of a three-dimensional metal-organic framework featuring a unique dysprosium(III) oxalate layer. <i>RSC Advances</i> , <b>2015</b> , 5, 63186-63192  | 3.7 | 20 |
| 121 | Crystal Engineering Based on Polymeric Hydrogen-Bonded Supramolecules by Self-Assembling of 4,4'-(9-Fluorenylidene)diphenol and 4,4'-Cyclohexylidenebisphenol with Bipyridines. <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 1041-1047 | 3.5 | 20 |
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| 119 | Temperature-controlled polymorphism of chiral Cu(II)-Ln(III) dinuclear complexes exhibiting slow magnetic relaxation. <i>Dalton Transactions</i> , <b>2015</b> , 44, 11191-201  | 4.3 | 19 |
| 118 | Porous Coordination Polymers Based on {Mn6} Single-Molecule Magnets. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 5880-5  | 5.1 | 19 |
| 117 | Hexanuclear [Ni2Ln4] clusters exhibiting enhanced magnetocaloric effect and slow magnetic relaxation. <i>RSC Advances</i> , <b>2014</b> , 4, 53870-53876  | 3.7 | 19 |
| 116 | A Chinese Pane-Like 2D Metal-Organic Framework Showing Magnetic Relaxation and Luminescence Dual-Functions. <i>Scientific Reports</i> , <b>2017</b> , 7, 11156  | 4.9 | 19 |
| 115 | A chiral screw propeller-like scalene triangle manganese(III) cluster. <i>Dalton Transactions</i> , <b>2010</b> , 39, 1781-1785   | 4.3 | 19 |
| 114 | Structural determinations and magnetic studies of two new binuclear complexes: azido-bridged Ni(II) dimer and di-(μ-hydroxo)-bridged Cr(III) dimer. <i>Journal of Coordination Chemistry</i> , <b>2010</b> , 63, 3441-3452                    | 3.6 | 19 |
| 113 | Bis(ethylenedithio)tetrathiafulvalene Radical Salts with Anderson Type Heteropolymolybdates Containing Tris(alkoxo) Ligands. <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 1531-1538  | 3.5 | 19 |

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| 112 | A 2D -12D polyrotaxane lanthanide-organic framework showing field-induced single-molecule magnet behaviour. <i>RSC Advances</i> , <b>2014</b> , 4, 36053-36056  | 3.7 | 18 |
| 111 | Dopant concentration dependence of structure, optical, and magnetic properties of ZnO:Fe thin films. <i>Journal of Crystal Growth</i> , <b>2011</b> , 314, 30-33  | 1.6 | 18 |
| 110 | Syntheses, structures and properties of chiral dinuclear zinc complexes with Schiff-base ligands. <i>Inorganic Chemistry Communication</i> , <b>2012</b> , 20, 303-306  | 3.1 | 17 |
| 109 | First one-dimensional homochiral stairway-like Cu(II) chains: crystal structures, circular dichroism (CD) spectra, ferroelectricity and antiferromagnetic properties. <i>Dalton Transactions</i> , <b>2013</b> , 42, 5036-41  | 4.3 | 17 |
| 108 | Synthesis and the first structural characterization of a metal complex of rhodamine 6G, R <sub>2</sub> [CdCl <sub>4</sub> ] · EtOH · H <sub>2</sub> O (R = 9-(2-ethoxy-carbonylphenyl)-3,6-bis(ethylamino)-2,7-dimethylxanthylium). <i>Inorganica Chimica Acta</i> , <b>1997</b> , 254, 183-187                   | 2.7 | 17 |
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| 106 | A pair of mononuclear Dy(III) enantiomers showing single-ion magnetic and ferroelectric properties. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 10906-10911   | 3.6 | 16 |
| 105 | A defective double cubane cluster complex with $\mu_2$ -1-azido bridges. <i>Inorganic Chemistry Communication</i> , <b>2010</b> , 13, 160-162   | 3.1 | 16 |
| 104 | Tb(III)/3d-4f clusters derived from a 1,4,7-triazacyclononane-based hexadentate ligand with field-induced slow magnetic relaxation and oxygen-sensitive luminescence. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 4067-4074   | 3.6 | 15 |
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| 97  | Peroxidative Oxidation of Alkanes and Alcohols under Mild Conditions by Di- and Tetranuclear Copper (II) Complexes of Bis (2-Hydroxybenzylidene) Isophthalohydrazide. <i>Molecules</i> , <b>2018</b> , 23,  | 4.8 | 15 |
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| 22 | A 10-coordinate cerium(III) complex with a ferrocene-based terpyridine ligand exhibiting field-induced slow magnetic relaxation. <i>Polyhedron</i> , <b>2020</b> , 188, 114695   | 2.7 | 2 |
| 21 | In situ synthesis of manganese(III) complexes under control: Crystal structure and magnetic properties. <i>Inorganic Chemistry Communication</i> , <b>2012</b> , 21, 96-99   | 3.1 | 2 |
| 20 | In Situ Self-Assembly of 1D Copper(II) Coordination Polymer Containing EO Azide and Phenolate Bridges: Crystal Structure and Magnetic Properties. <i>Bulletin of the Chemical Society of Japan</i> , <b>2009</b> , 82, 582-584   | 5.1 | 2 |
| 19 | Antiwear and Extreme-Pressure Action of Copper(II) Complex With Alkyl Phosphonic Acid Mono Alkyl Ester. <i>Journal of Tribology</i> , <b>1996</b> , 118, 676-680   | 1.8 | 2 |
| 18 | 4,4PAzinodimethyldipyridinium Diperchlorate, C <sub>12</sub> H <sub>12</sub> N <sub>4</sub> 2+.2ClO <sub>4</sub> <sup>-</sup> <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1997</b> , 53, 1499-1501  |     | 2 |
| 17 | MOLECULAR RECOGNITION OF AN ORGANIC MOLECULE BY BIS(TETRAFLUOROBORATE)ZINC(II). SYNTHESIS AND CRYSTAL STRUCTURE OF {[Zn(phen) <sub>3</sub> ](BF <sub>4</sub> ) <sub>2</sub> 2[MNA(H <sub>2</sub> O)] <sub>1.5</sub> . <i>Journal of Coordination Chemistry</i> , <b>1998</b> , 46, 233-243 | 1.6 | 2 |
| 16 | Hydrothermal synthesis, crystal structure and magnetic properties of a new 2D layered vanadium oxide complex: [Ni(phen)(H <sub>2</sub> O)] <sub>2</sub> V <sub>4</sub> O <sub>12</sub> . <i>Journal of Coordination Chemistry</i> , <b>2005</b> , 58, 327-334                              | 1.6 | 2 |
| 15 | Bis[O-(4-methylcyclohexyl) dithiocarbonato-S,S']nickel(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1996</b> , 52, 519-521  |     | 2 |
| 14 | A new family of dinuclear lanthanide complexes exhibiting luminescence, magnetic entropy changes and single molecule magnet behaviors. <i>CrystEngComm</i> , <b>2021</b> , 23, 645-652   | 3.3 | 2 |
| 13 | From 1D to 3D: Fabrication of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cell Thin Films from (Pyrrolidinium)PbI <sub>3</sub> via Organic Cation Exchange Approach. <i>Energy Technology</i> , <b>2020</b> , 8, 2000148   | 3.5 | 1 |
| 12 | Structure and Magnetic Properties of a Trinuclear Nickel(II) Complex Constructed by bpca <sup>-</sup> Anions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2014</b> , 640, 2439-2443   | 1.3 | 1 |
| 11 | Inside Cover: Ring Like Octadecanuclear Mixed-valence Manganese Cluster with a Spin Ground State of 20 (Chem. Asian J. 1/2011). <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 2-2   | 4.5 | 1 |
| 10 | 4:1 Lewis Base Adducts of Palladium Dichloride: [Pd(3-picoline) <sub>4</sub> ]Cl <sub>2</sub> .2H <sub>2</sub> O. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1997</b> , 53, 1218-1220  |     | 1 |
| 9  | A mercury(II)-radical complex with a 1D ladder structure. <i>Journal of Coordination Chemistry</i> , <b>2008</b> , 61, 1325-1332   | 1.6 | 1 |
| 8  | Magneto-optical Properties of Lanthanide(III) Metal-Organic Frameworks Based on an Iridium(III) Metalloligand.. <i>Inorganic Chemistry</i> , <b>2022</b> , 61, 3097-3102   | 5.1 | 1 |
| 7  | A family of lanthanide metal-organic frameworks based on a redox-active tetrathiafulvalene-dicarboxylate ligand showing slow relaxation of magnetisation and electronic conductivity. <i>Dalton Transactions</i> , <b>2021</b> , 50, 14714-14723   | 4.3 | 1 |
| 6  | An Uneven Chain-like Ferromagnetic Copper(II) Coordination Polymer Displaying Metamagnetic Behavior and Long-Range Magnetic Ordering. <i>Magnetochemistry</i> , <b>2022</b> , 8, 2   | 3.1 | 1 |
| 5  | Assembly of Hydrazine-Bridged Cyclic Fe <sup>III</sup> Ln <sup>III</sup> Octanuclear Complexes. <i>Crystal Growth and Design</i> , <b>2022</b> , 22, 1263-1269   | 3.5 | 0 |

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| 4 | 3-Pyridylacetic-Based Lanthanide Complexes Exhibiting Magnetic Entropy Changes, Single-Molecule Magnet, and Fluorescence.. <i>ACS Omega</i> , <b>2022</b> , 7, 2604-2612  | 3.9 | ○ |
| 3 | Heterotrimetallic NiLnFe chain complexes based on [Fe(1-CHim)(CN)]. <i>Dalton Transactions</i> , <b>2021</b> , 50, 6427-6431  | 4.3 | ○ |
| 2 | Chiral Co-Crystals of (S)- or (R)-1,1'-Binaphthalene-2,2'-diol and Zn <sub>2</sub> Dy <sub>2</sub> Tetranuclear Complexes Behaving as Single-Molecule Magnets. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 4346-4353 | 3.5 | ○ |
| 1 | Synthesis, crystal structure and electrochemical property of 3a,4,5,8,9,9a,10,11-Octahydro-2H,3H-1,6,7,12-tetrathiaperylene (H10TTPR). <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 22, 1330-1335                      | 4.9 |   |