

Jinkui Tang

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235
papers

14,317
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64
h-index

111
g-index

249
ext. papers

15,570
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
235	Dysprosium triangles showing single-molecule magnet behavior of thermally excited spin states. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1729-33	16.4	754
234	Recent advances in dysprosium-based single molecule magnets: Structural overview and synthetic strategies. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 1728-1763	23.2	737
233	Strong axiality and Ising exchange interaction suppress zero-field tunneling of magnetization of an asymmetric Dy ₂ single-molecule magnet. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11948-51	16.4	604
232	Two-step relaxation in a linear tetranuclear dysprosium(III) aggregate showing single-molecule magnet behavior. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8538-9	16.4	557
231	Equatorially coordinated lanthanide single ion magnets. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4484-7	16.4	446
230	Relaxation dynamics of dysprosium(III) single molecule magnets. <i>Dalton Transactions</i> , 2011 , 40, 9953-63	4.3	443
229	Coupling Dy ₃ triangles enhances their slow magnetic relaxation. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6352-6	16.4	354
228	Single-molecule toroids in Ising-type lanthanide molecular clusters. <i>Chemical Society Reviews</i> , 2014 , 43, 6894-905	58.5	278
227	Molecular magnetism of lanthanide: Advances and perspectives. <i>Coordination Chemistry Reviews</i> , 2019 , 378, 350-364	23.2	239
226	Lanthanide single molecule magnets: progress and perspective. <i>Dalton Transactions</i> , 2015 , 44, 3923-9	4.3	238
225	A promising new route towards single-molecule magnets based on the oxalate ligand. <i>Chemical Communications</i> , 2010 , 46, 1506-8	5.8	228
224	Capping ligand perturbed slow magnetic relaxation in dysprosium single-ion magnets. <i>Chemistry - A European Journal</i> , 2011 , 17, 12476-81	4.8	225
223	Enhancing anisotropy barriers of dysprosium(III) single-ion magnets. <i>Chemistry - A European Journal</i> , 2012 , 18, 2484-7	4.8	200
222	Coupling Dy ₃ triangles to maximize the toroidal moment. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12767-71	16.4	191
221	A dodecanuclear heterometallic dysprosium-cobalt wheel exhibiting single-molecule magnet behaviour. <i>Chemical Communications</i> , 2011 , 47, 8659-61	5.8	182
220	Modulating magnetic dynamics of three Dy ₂ complexes through keto-enol tautomerism of the o-vanillin picolinoylhydrazone ligand. <i>Inorganic Chemistry</i> , 2011 , 50, 9705-13	5.1	170
219	Observation of slow magnetic relaxation in discrete dysprosium cubane. <i>Inorganic Chemistry</i> , 2009 , 48, 11495-7	5.1	151

218	Coordination-perturbed single-molecule magnet behaviour of mononuclear dysprosium complexes. <i>Dalton Transactions</i> , 2011 , 40, 5579-83	4.3	134
217	An NCN-pincer ligand dysprosium single-ion magnet showing magnetic relaxation via the second excited state. <i>Scientific Reports</i> , 2014 , 4, 5471	4.9	129
216	Four new lanthanide-nitronyl nitroxide (Ln(III) = Pr(III), Sm(III), Eu(III), Tm(III)) complexes and a Tb(III) complex exhibiting single-molecule magnet behavior. <i>Inorganic Chemistry</i> , 2009 , 48, 8890-6	5.1	127
215	Quadruple-CO ₃ (2-) bridged octanuclear dysprosium(III) compound showing single-molecule magnet behaviour. <i>Chemical Communications</i> , 2012 , 48, 708-10	5.8	119
214	- isomerism modulates the magnetic relaxation of dysprosium single-molecule magnets. <i>Chemical Science</i> , 2016 , 7, 3632-3639	9.4	114
213	Magnetic properties of dysprosium cubanes dictated by the M-O-M angles of the [Dy ₄ (μ ₃ -OH) ₄] core. <i>Inorganic Chemistry</i> , 2010 , 49, 7549-57	5.1	112
212	Dysprosium Triangles Showing Single-Molecule Magnet Behavior of Thermally Excited Spin States. <i>Angewandte Chemie</i> , 2006 , 118, 1761-1765	3.6	111
211	Molecular assembly and magnetic dynamics of two novel Dy ₆ and Dy ₈ aggregates. <i>Inorganic Chemistry</i> , 2012 , 51, 4035-42	5.1	110
210	A series of new structural models for the OEC in photosystem II. <i>Chemical Communications</i> , 2006 , 2650-25.8		110
209	Recent Developments in Lanthanide Single-Molecule Magnets. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2772-2779	4.5	108
208	A Dy ₁₀ cluster incorporates two sets of vertex-sharing Dy ₃ triangles. <i>Chemistry - A European Journal</i> , 2009 , 15, 10335-8	4.8	106
207	Modulating magnetic dynamics of Dy ₂ system through the coordination geometry and magnetic interaction. <i>Inorganic Chemistry</i> , 2013 , 52, 4587-92	5.1	105
206	Two new Dy ₃ triangles with trinuclear circular helicates and their single-molecule magnet behavior. <i>Inorganic Chemistry</i> , 2012 , 51, 10522-8	5.1	105
205	Pyrazine-bridged Dy ₂ single-molecule magnet with a large anisotropic barrier. <i>Chemical Communications</i> , 2010 , 46, 8264-6	5.8	105
204	A planar triangular Dy ₃ + Dy ₃ single-molecule magnet with a toroidal magnetic moment. <i>Chemical Communications</i> , 2016 , 52, 9570-3	5.8	105
203	A linear tetranuclear dysprosium(III) compound showing single-molecule magnet behaviour. <i>Chemical Communications</i> , 2010 , 46, 6057-9	5.8	99
202	Family of defect-dicubane Ni ₄ Ln ₂ (Ln = Gd, Tb, Dy, Ho) and Ni ₄ Y ₂ complexes: rare Tb(III) and Ho(III) examples showing SMM behavior. <i>Inorganic Chemistry</i> , 2014 , 53, 3519-25	5.1	96
201	Syntheses, structures, and magnetic analyses of a family of heterometallic hexanuclear [Ni ₄ M ₂] (M = Gd, Dy, Y) compounds: observation of slow magnetic relaxation in the Dy(III) derivative. <i>Inorganic Chemistry</i> , 2012 , 51, 2699-705	5.1	96

- 200 Diversity of lanthanide(III)-organic extended frameworks with a 4,8-disulfonyl-2,6-naphthalenedicarboxylic acid ligand: syntheses, structures, and magnetic and luminescent properties. *Inorganic Chemistry*, **2012**, 51, 2381-92 5.1 96
- 199 Site-Resolved Two-Step Relaxation Process in an Asymmetric Dy₂ Single-Molecule Magnet. *Chemistry - A European Journal*, **2016**, 22, 1392-8 4.8 96
- 198 A monometallic tri-spin single-molecule magnet based on rare earth radicals. *Dalton Transactions*, **2009**, 8489-92 4.3 95
- 197 Observation of slow magnetic relaxation in triple-stranded lanthanide helicates. *Dalton Transactions*, **2011**, 40, 8213-7 4.3 93
- 196 Hydrothermal Synthesis, Structures, and Luminescent Properties of Seven d¹⁰ Metal-Organic Frameworks Based on 9,9-Dipropylfluorene-2,7-Dicarboxylic Acid (H₂DFDA). *Crystal Growth and Design*, **2009**, 9, 1394-1401 3.5 92
- 195 A dodecanuclear dysprosium wheel assembled by six vertex-sharing Dy₃ triangles exhibiting slow magnetic relaxation. *Inorganic Chemistry*, **2012**, 51, 5994-6 5.1 89
- 194 Polyoxometalate-supported 3d-4f heterometallic single-molecule magnets. *Inorganic Chemistry*, **2012**, 51, 2722-4 5.1 86
- 193 Syntheses, structures, and magnetic and luminescence properties of a new Dy(III)-based single-ion magnet. *Inorganic Chemistry*, **2013**, 52, 7380-6 5.1 84
- 192 Phenoxido and alkoxido-bridged dinuclear dysprosium complexes showing single-molecule magnet behaviour. *Dalton Transactions*, **2012**, 41, 2966-71 4.3 82
- 191 Macroscopic Hexagonal Tubes of 3 d-4 f Metalloclusters. *Angewandte Chemie - International Edition*, **2016**, 55, 15574-15578 16.4 81
- 190 Two bulky-decorated triangular dysprosium aggregates conserving vortex-spin structure. *Inorganic Chemistry*, **2012**, 51, 13264-70 5.1 81
- 189 Lanthanide Single Molecule Magnets **2015**, 80
- 188 Tuning the Magnetic Interactions and Relaxation Dynamics of Dy₂ Single-Molecule Magnets. *Chemistry - A European Journal*, **2015**, 21, 14099-106 4.8 79
- 187 Hierarchically structured Fe₃O₄ microspheres: morphology control and their application in wastewater treatment. *CrystEngComm*, **2011**, 13, 642-648 3.3 77
- 186 Novel nickel(II) complexes with diazamacrocyclic ligands functionalized by additional phenol donor pendant(s): synthesis, characterization, crystal structures and magnetic properties. *Dalton Transactions RSC*, **2001**, 593-598 77
- 185 Field enhanced thermally activated mechanism in a square Dy₄ aggregate. *Chemical Communications*, **2012**, 48, 7031-3 5.8 74
- 184 Hexanuclear dysprosium(III) compound incorporating vertex- and edge-sharing Dy₃ triangles exhibiting single-molecule-magnet behavior. *Inorganic Chemistry*, **2011**, 50, 8688-90 5.1 74
- 183 A discrete dysprosium trigonal prism showing single-molecule magnet behaviour. *Chemistry - A European Journal*, **2012**, 18, 442-5 4.8 73

182	A 3D Heterometallic Coordination Polymer Constructed by Trimeric {NiDy ₂ } Single-Molecule Magnet Units. <i>Inorganic Chemistry</i> , 2016 , 55, 1202-7	5.1	70
181	Steric hindrances create a discrete linear Dy ₄ complex exhibiting SMM behaviour. <i>Dalton Transactions</i> , 2012 , 41, 3248-52	4.3	70
180	Heterometallic cubanes: syntheses, structures, and magnetic properties of lanthanide(III)-nickel(II) architectures. <i>Inorganic Chemistry</i> , 2011 , 50, 1304-8	5.1	69
179	Dynamic magnetic behavior and magnetic ordering in one-dimensional Tb-nitronyl nitroxide radical chain. <i>Dalton Transactions</i> , 2010 , 39, 3321-5	4.3	69
178	Coupling Dy ₃ Triangles Enhances Their Slow Magnetic Relaxation. <i>Angewandte Chemie</i> , 2010 , 122, 6496-500	5.0	68
177	Nanoscale {LnIII(24)ZnII(6)} Triangular Metalloring with Magnetic Refrigerant, Slow Magnetic Relaxation, and Fluorescent Properties. <i>Inorganic Chemistry</i> , 2015 , 54, 11535-41	5.1	67
176	Macrocyclic ligand encapsulating dysprosium triangles: axial ligands perturbed magnetic dynamics. <i>Chemical Communications</i> , 2012 , 48, 6924-6	5.8	67
175	Tetranuclear [MDy] ₂ compounds and their dinuclear [MDy] (M = Zn/Cu) building units: their assembly, structures, and magnetic properties. <i>Inorganic Chemistry</i> , 2013 , 52, 6595-602	5.1	67
174	Realization of toroidal magnetic moments in heterometallic 3d-4f metallocycles. <i>Chemical Communications</i> , 2018 , 54, 1065-1068	5.8	66
173	Influence of Tuned Linker Functionality on Modulation of Magnetic Properties and Relaxation Dynamics in a Family of Six Isotypic Ln (Ln = Dy and Gd) Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 11283-11298	5.1	66
172	Acetato-bridged dinuclear lanthanide complexes with single molecule magnet behaviour for the Dy ₂ species. <i>Dalton Transactions</i> , 2014 , 43, 6262-8	4.3	65
171	End-to-end azido-pinned interlocking lanthanide squares. <i>Chemical Communications</i> , 2017 , 53, 3026-3029	3.8	64
170	Anions Influence the Relaxation Dynamics of Mono-β-OH-Capped Triangular Dysprosium Aggregates. <i>Inorganic Chemistry</i> , 2015 , 54, 5571-8	5.1	64
169	Two-step spin-transition iron(III) compound with a wide [high spin-low spin] plateau. <i>Inorganic Chemistry</i> , 2009 , 48, 2128-35	5.1	64
168	Direct hydrothermal synthesis of single-crystalline triangular Fe ₃ O ₄ nanoprisms. <i>CrystEngComm</i> , 2010 , 12, 2060	3.3	61
167	Single-Molecule Magnet Behavior Enhanced by Synergic Effect of Single-Ion Anisotropy and Magnetic Interactions. <i>Inorganic Chemistry</i> , 2017 , 56, 7882-7889	5.1	59
166	Magnetic coupling between copper(II) ions mediated by hydrogen-bonded (neutral) water molecules. <i>Inorganic Chemistry</i> , 2009 , 48, 5473-9	5.1	59
165	Two Locally Chiral Dysprosium Compounds with Salen-Type Ligands That Show Slow Magnetic Relaxation Behavior. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1351-1357	2.3	58

- 164 Porous Co₃O₄ microcubes: hydrothermal synthesis, catalytic and magnetic properties. *CrystEngComm*, **2011**, 13, 2123 3-3 58
- 163 Utilizing 3d-4f magnetic interaction to slow the magnetic relaxation of heterometallic complexes. *Inorganic Chemistry*, **2015**, 54, 4337-44 5-1 57
- 162 A series of tetranuclear lanthanide complexes comprising two edge-sharing triangular units with field-induced slow magnetic relaxation for Dy₄ species. *Dalton Transactions*, **2011**, 40, 8347-52 4-3 57
- 161 Heterobimetallic hexanuclear [Mn(IV)Ln(III)] clusters: a rare Mn(IV)Nd(III) example exhibiting slow relaxation of magnetization. *Dalton Transactions*, **2012**, 41, 2314-9 4-3 56
- 160 Synthesis, crystal structure, and magnetic properties of the first nonanuclear lanthanide(III)-copper(II) complexes of macrocyclic oxamide [NaLn(2)Cu(6)] (macrocyclic oxamide = 1,4,8,11-tetraazacyclotradecane-2,3-dione, Ln = Pr, Nd). *Inorganic Chemistry*, **2002**, 41, 2188-92 5-1 56
- 159 The use of a versatile o-vanilloyl hydrazone ligand to prepare SMM-like Dy₃ molecular cluster pair. *Chemical Communications*, **2012**, 48, 8946-8 5-8 55
- 158 Templated assembly of μ(5)-CO₃(2-) decanuclear praseodymium and neodymium clusters through spontaneous fixation of atmospheric carbon dioxide. *Dalton Transactions*, **2009**, 10609-13 4-3 55
- 157 Axial Ligand Field in D Coordination Symmetry: Magnetic Relaxation of Dy SMMs Perturbed by Counteranions. *Inorganic Chemistry*, **2017**, 56, 11211-11219 5-1 53
- 156 Oxamato-bridged trinuclear Ni(II)Cu(II)Ni(II) complexes with irregular spin state structures and a binuclear Ni(II)Cu(II) complex with an unusual supramolecular structure: crystal structure and magnetic properties. *Inorganic Chemistry*, **2001**, 40, 3134-40 5-1 53
- 155 A linear 3d-4f tetranuclear Co(III)₂Dy(III)₂ single-molecule magnet: synthesis, structure, and magnetic properties. *Chemistry - an Asian Journal*, **2012**, 7, 2419-23 4-5 52
- 154 A novel windmill-type Dy(III) [2 × 2] grid exhibiting slow magnetic relaxation. *Dalton Transactions*, **2012**, 41, 351-3 4-3 52
- 153 Enhancement of Magnetocaloric Effect through Fixation of Carbon Dioxide: Molecular Assembly from Ln to Ln Cluster Pairs. *Inorganic Chemistry*, **2017**, 56, 4104-4111 5-1 51
- 152 Molecular magnetic investigation of a family of octanuclear [Cu₈Ln] nanoclusters. *Inorganic Chemistry*, **2014**, 53, 8165-71 5-1 51
- 151 Constructing supramolecular grids: from 4f square to 3d-4f grid. *Chemical Communications*, **2015**, 51, 17317-20 5-8 50
- 150 Planar Dy₃ + Dy₃ clusters: design, structure and axial ligand perturbed magnetic dynamics. *Dalton Transactions*, **2015**, 44, 20316-20 4-3 50
- 149 Metallosupramolecular Coordination Complexes: The Design of Heterometallic 3d-4f Gridlike Structures. *Inorganic Chemistry*, **2016**, 55, 5514-9 5-1 50
- 148 Elucidating the Magnetic Anisotropy and Relaxation Dynamics of Low-Coordinate Lanthanide Compounds. *Inorganic Chemistry*, **2016**, 55, 1905-11 5-1 49
- 147 A ferromagnetically coupled CrCu₃ tetramer and GdCu₄ pentamer with a [15]N₄ macrocyclic ligand incorporating an oxamido bridge. *Inorganic Chemistry*, **2003**, 42, 1462-6 5-1 49

146	Unique Y-shaped lanthanide aggregates and single-molecule magnet behaviour for the Dy ₄ analogue. <i>Dalton Transactions</i> , 2014 , 43, 1564-70	4.3	48
145	M(III)Dy(III) ₃ (M = Fe(III), Co(III)) complexes: three-blade propellers exhibiting slow relaxation of magnetization. <i>Inorganic Chemistry</i> , 2012 , 51, 5693-8	5.1	48
144	Construction of Metallosupramolecular Coordination Complexes: From Lanthanide Helicates to Octahedral Cages Showing Single-Molecule Magnet Behavior. <i>Inorganic Chemistry</i> , 2019 , 58, 3167-3174	5.1	48
143	Tuning the Magnetic Interactions in Dy(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2018 , 57, 8550-8557	5.1	48
142	Large Energy Barrier and Magnetization Hysteresis at 5 K for a Symmetric {Dy} Complex with Spherical Tricapped Trigonal Prismatic Dy Ions. <i>Inorganic Chemistry</i> , 2017 , 56, 3568-3578	5.1	46
141	Chiral mononuclear lanthanide complexes and the field-induced single-ion magnet behaviour of a Dy analogue. <i>Dalton Transactions</i> , 2015 , 44, 223-9	4.3	46
140	Unexpected high oxidation of cyclohexane by Fe salts and dihydrogen peroxide in acetonitrile. <i>Journal of Molecular Catalysis A</i> , 2008 , 286, 1-5		43
139	Geometry and magnetic interaction modulations in dinuclear Dy single-molecule magnets. <i>Dalton Transactions</i> , 2017 , 46, 8252-8258	4.3	41
138	Di-, tetra- and hexanuclear iron(III), manganese(II/III) and copper(II) complexes of Schiff-base ligands derived from 6-substituted-2-formylphenols. <i>Dalton Transactions</i> , 2009 , 1721-7	4.3	41
137	Field-induced multiple relaxation mechanism of Co(III) ₂ Dy(III) compound with the dysprosium ion in a low-symmetrical environment. <i>Inorganic Chemistry</i> , 2014 , 53, 12658-63	5.1	39
136	A homospin cobalt(II) topological ferrimagnet. <i>Chemical Communications</i> , 2013 , 49, 8226-8	5.8	39
135	Dysprosium Compounds with Hula-Hoop-like Geometries: The Influence of Magnetic Anisotropy and Magnetic Interactions on Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2018 , 57, 12213-12221	5.1	39
134	Crystal structures and magnetic properties of new cyano-bridged two-dimensional grid-like bimetallic assemblies [Ni(tn) ₂] ₂ [Cr(CN) ₅ ((NO))OH*H ₂ O and [Ni(tn) ₂] ₂ [Co(CN) ₆]NO ₃ *2H ₂ O (tn=1,3-propanediamine). <i>Inorganic Chemistry</i> , 2001 , 40, 4839-44	5.1	38
133	A diabolo-shaped Dy ₉ cluster: synthesis, crystal structure and magnetic properties. <i>Dalton Transactions</i> , 2011 , 40, 6440-4	4.3	37
132	Employment of triketones to construct a dysprosium(III) single-molecule magnet. <i>Dalton Transactions</i> , 2015 , 44, 4648-54	4.3	36
131	Lanthanide(III) Hexanuclear Circular Helicates: Slow Magnetic Relaxation, Toroidal Arrangement of Magnetic Moments, and Magnetocaloric Effects. <i>Inorganic Chemistry</i> , 2019 , 58, 11903-11911	5.1	35
130	Dodecanuclear 3d/4f-metal clusters with a 'Star of David' topology: single-molecule magnetism and magnetocaloric properties. <i>Chemical Communications</i> , 2016 , 52, 1693-6	5.8	35
129	Two tri-spin complexes based on gadolinium and nitronyl nitroxide radicals: Structure and ferromagnetic interactions. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 927-932	3.3	35

- 128 Rational Design of Mono-, Bi-, and Tetranuclear Macrocyclic OxamidoMetal Complexes via Stepwise Complexation. *Crystal Growth and Design*, **2005**, 5, 813-819 3.5 35
- 127 Heterobinuclear copper(II)–manganese(II) complexes behaving as three-dimensional supramolecular networks via both macrocyclic oxamido-bridges and hydrogen bonds. *Dalton Transactions RSC*, **2002**, 1607-1612 35
- 126 Three dinuclear lanthanide(III) compounds of a polydentate Schiff base ligand: Slow magnetic relaxation behaviour of the Dy(III) derivative. *CrystEngComm*, **2013**, 15, 5301 3.3 34
- 125 A Dy₆ Cluster Displays Slow Magnetic Relaxation with an Edge-to-Edge Arrangement of Two Dy₃ Triangles. *European Journal of Inorganic Chemistry*, **2011**, 2011, 4153-4156 2.3 34
- 124 Controlled copper-mediated chlorination of phenol rings under mild conditions. *Inorganic Chemistry*, **2007**, 46, 4944-50 5.1 34
- 123 Coupling Dy₃ Triangles to Maximize the Toroidal Moment. *Angewandte Chemie*, **2012**, 124, 12939-12943 3.6 33
- 122 Influence of Coordinating and Non-Coordinating Anions and of a Methoxy Substituent on the Formation of Copper-Based Coordination Assemblies. *Crystal Growth and Design*, **2008**, 8, 1005-1012 3.5 33
- 121 What makes a single molecule magnet?. *Polyhedron*, **2005**, 24, 2864-2869 2.7 33
- 120 A novel tetranuclear lanthanide(III)–copper(II) complex of the macrocyclic oxamide [PrCu₃] (macrocyclic oxamide=1,4,8,11-tetraazacyclotradecane-2,3-dione): synthesis, structure and magnetism. *Inorganica Chimica Acta*, **2005**, 358, 325-330 2.7 33
- 119 Recent developments in single-molecule toroids. *Dalton Transactions*, **2019**, 48, 15358-15370 4.3 32
- 118 A new one-dimensional coordination polymer and a new supramolecular dimer made of trinuclear copper(II) complexes: crystal structure and magnetic properties. *Dalton Transactions RSC*, **2001**, 1537-1540 32
- 117 Single-molecule magnet behavior in an octanuclear dysprosium(III) aggregate inherited from helical triangular Dy₃ SMM-building blocks. *Dalton Transactions*, **2016**, 45, 10556-62 4.3 32
- 116 Influence of Magnetic Interactions and Single-Ion Anisotropy on Magnetic Relaxation within a Family of Tetranuclear Dysprosium Complexes. *Inorganic Chemistry*, **2019**, 58, 5715-5724 5.1 30
- 115 A pentanuclear complex derived from manganese(III) Schiff-based complex and hexacyanoferrate(III): synthesis, structure and magnetic properties. *Inorganic Chemistry Communication*, **2003**, 6, 1109-1112 3.1 30
- 114 Air-Stable Chiral Single-Molecule Magnets with Record Anisotropy Barrier Exceeding 1800 K. *Journal of the American Chemical Society*, **2021**, 143, 10077-10082 16.4 30
- 113 Structures and magnetic properties of two analogous Dy₆ wheels with electron-donation and -withdrawal effects. *Inorganic Chemistry*, **2014**, 53, 7554-60 5.1 29
- 112 External stimuli modulate the magnetic relaxation of lanthanide single-molecule magnets. *Inorganic Chemistry Frontiers*, **2020**, 7, 3315-3326 6.8 29
- 111 Manipulating the Relaxation of Quasi-D Dysprosium Compounds through Alternation of the O-Donor Ligands. *Inorganic Chemistry*, **2018**, 57, 4534-4542 5.1 28

110	Functionalized Nitronyl Nitroxide Biradicals for the Construction of 3d-4f Heterometallic Compounds. <i>Inorganic Chemistry</i> , 2018 , 57, 9757-9765	5.1	28
109	Reversible structural transformation induced switchable single-molecule magnet behavior in lanthanide metal-organic frameworks. <i>Chemical Communications</i> , 2018 , 54, 10183-10186	5.8	27
108	Enantioselective self-assembly of triangular Dy ₃ clusters with single-molecule magnet behavior. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 3558-64	4.5	26
107	Versatile tetranuclear dysprosium single-molecule magnets. <i>Polyhedron</i> , 2014 , 83, 185-196	2.7	25
106	Linear 3d-4f compounds: synthesis, structure, and determination of the d-f magnetic interaction. <i>Dalton Transactions</i> , 2015 , 44, 11935-42	4.3	25
105	Butterfly-shaped pentanuclear dysprosium single-molecule magnets. <i>Chemistry - A European Journal</i> , 2013 , 19, 13235-41	4.8	24
104	[Ln(III)-Mn(II)-Ln(III)] heterometallic compounds: rare linear SMMs with divalent manganese ions. <i>Dalton Transactions</i> , 2015 , 44, 3430-8	4.3	24
103	Probing the magnetic relaxation and magnetic moment arrangement in a series of Dy squares. <i>Dalton Transactions</i> , 2017 , 46, 1577-1584	4.3	23
102	Crystallization of triple- and quadruple-stranded dinuclear bis-β-diketonate-Dy(III) helicates: single molecule magnetic behavior. <i>CrystEngComm</i> , 2015 , 17, 7227-7232	3.3	23
101	Heterometallic octanuclear RE(III) ₃ Ni(II) ₅ (RE = Dy(III), Gd(III) and Y(III)) clusters with slow magnetic relaxation for the dysprosium derivative. <i>Dalton Transactions</i> , 2013 , 42, 5298-303	4.3	23
100	Exploiting verdazyl radicals to assemble 2p-3d-4f one-dimensional chains. <i>Dalton Transactions</i> , 2015 , 44, 5364-8	4.3	23
99	Multi-component synthesis of trimetallic tetranuclear clusters [Cu(L)(H ₂ O)] ₂ [Ln(H ₂ O)(2)Cr(C ₂ O ₄)] ₃ ·12H ₂ O (H ₂ L = 1,4,8,11-tetraazacyclotradecane-2,3-dione, Ln(3+) = Gd, Tb and Dy). <i>Chemical Communications</i> , 2010 , 11, 1533-5	5.8	23
98	Three azido-, alk/phenoxido- and acetato-bridged tetranuclear nickel complexes featuring defective double-cubane. <i>Inorganica Chimica Acta</i> , 2011 , 373, 173-178	2.7	23
97	Efficient [bis(imino)pyridine-iron]-catalyzed oxidation of alkanes. <i>Dalton Transactions</i> , 2007 , 4644-6	4.3	22
96	Remarkable steric effects and influence of monodentate axial ligands l on the spin-crossover properties of trans-[Fe(l)(N ₄ ligand)L] complexes. <i>Inorganic Chemistry</i> , 2007 , 46, 4079-89	5.1	22
95	A triangular dysprosium with asymmetric central caps featuring ferromagnetic coupling and single-molecule magnet behaviour. <i>Dalton Transactions</i> , 2013 , 42, 10413-6	4.3	21
94	First macrocyclic oxamide Cu(II)Co(II) complex: synthesis, crystal structure and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2002 , 5, 1012-1015	3.1	21
93	Synthesis, crystal structure and magnetic properties of ferromagnetically coupled trinuclear copper(II) complex with 4-(isopropylamino)-1,2,4-triazole as bridging ligands. <i>Polyhedron</i> , 2001 , 20, 675-680	2.7	21

92	Synthesis and crystal structure of oxalato-bridged dicopper(II) complex with hydrogen bonds [Cu ₂ (EC ₂ O ₄)(bpy) ₂ (H ₂ O) ₂ (NO ₃) ₂]. <i>Journal of Molecular Structure</i> , 2000 , 525, 271-275	3-4	21
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