

Jinkui Tang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6511357/jinkui-tang-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

235
papers

14,317
citations

64
h-index

111
g-index

249
ext. papers

15,570
ext. citations

5.3
avg, IF

6.76
L-index

#	Paper	IF	Citations
235	Emerging Trends on Designing High-Performance Dysprosium(III) Single-Molecule Magnets 2022 , 4, 307-319		6
234	Toroidal centripetal arrangement of the magnetic moment in a Dy ₄ tetrahedron.. <i>Chemical Communications</i> , 2022 ,	5.8	3
233	Syntheses, Structures and Magnetic Properties of M ₂ (M = Fe, Co) Complexes with N ₆ Coordination Environment: Field-Induced Slow Magnetic Relaxation in Co ₂ . <i>Magnetochemistry</i> , 2021 , 7, 153	3.1	
232	Air-Stable Chiral Single-Molecule Magnets with Record Anisotropy Barrier Exceeding 1800 K. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10077-10082	16.4	30
231	Hydrazone based spin crossover complexes: Behind the extra flexibility of the hydrazone moiety to switch the spin state. <i>Coordination Chemistry Reviews</i> , 2021 , 431, 213666	23.2	13
230	Single-molecule magnets under dc field with an anion effect: self-assembly of pure dysprosium(iii) metallacycles. <i>Dalton Transactions</i> , 2021 , 50, 262-269	4.3	4
229	Magnetic investigation in di- and tetranuclear lanthanide complexes. <i>New Journal of Chemistry</i> , 2021 , 45, 2200-2207	3.6	3
228	Coordination anion effects on the geometry and magnetic interaction of binuclear Dy single-molecule magnets. <i>Dalton Transactions</i> , 2021 , 50, 15027-15035	4.3	2
227	Dysprosium(III) compounds assembled a versatile ligand incorporating salicylic hydrazide and 8-hydroxyquinolin units: syntheses, structures and magnetic properties. <i>Dalton Transactions</i> , 2021 , 50, 9457-9466	4.3	1
226	A new class of Dy-SIMs associated with a guanidine-based ligand. <i>Dalton Transactions</i> , 2021 , 50, 5146-5153	4.3	0
225	Enhancement of the coordinating flexibility in a SchiffMannich combo ligand: forced generation of a new NiII@phenoxo@NiII@alkoxo@NiII array (Ln = Gd, Tb, Dy and Ho). <i>New Journal of Chemistry</i> , 2021 , 45, 5258-5265	3.6	1
224	Synthesis and single-molecule magnet properties of a trimetallic dysprosium metallocene cation. <i>Chemical Communications</i> , 2021 , 57, 6396-6399	5.8	4
223	Heterometallic {DyIII ₂ FeII ₂ } grids with slow magnetic relaxation and spin crossover. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1779-1787	6.8	3
222	Syntheses, structural modulation, and slow magnetic relaxation of three dysprosium(III) complexes with mononuclear, dinuclear, and one-dimensional structures. <i>Dalton Transactions</i> , 2021 , 50, 13728-13736	4.3	3
221	Fulvalene as a platform for the synthesis of a dimetallic dysprosocenium single-molecule magnet. <i>Chemical Science</i> , 2020 , 11, 5745-5752	9.4	13
220	4f-Metal Clusters Exhibiting Slow Relaxation of Magnetization: A {Dy} Complex with An Hourglass-like Metal Topology. <i>Molecules</i> , 2020 , 25,	4.8	2
219	Enhanced single-molecule magnetism in dysprosium complexes of a pristine cyclobutadienyl ligand. <i>Chemical Communications</i> , 2020 , 56, 4708-4711	5.8	16

218	Inter-Kramers Transitions and Spin-Phonon Couplings in a Lanthanide-Based Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2020 , 59, 5218-5230	5.1	12
217	An investigation into the magnetic interactions in a series of Dy single-molecule magnets. <i>Dalton Transactions</i> , 2020 , 49, 10477-10485	4.3	17
216	Coupling of Nitric Oxide and Release of Nitrous Oxide from Rare-Earth-Dinitrosyliron Complexes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4104-4107	16.4	7
215	Double Ligand Activation in Silyl-Substituted Rare-Earth Cyclobutadienyl Complexes. <i>Organometallics</i> , 2020 , 39, 8-12	3.8	12
214	Carbonyl Back-Bonding Influencing the Rate of Quantum Tunnelling in a Dysprosium Metallocene Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2020 , 59, 642-647	5.1	9
213	Dysprosium-based linear helicate clusters: syntheses, structures, and magnetism. <i>New Journal of Chemistry</i> , 2020 , 44, 994-1000	3.6	16
212	Designing Multicoordinating Nitronyl Nitroxide Radical Toward Multinuclear Lanthanide Aggregates. <i>Inorganic Chemistry</i> , 2020 , 59, 443-451	5.1	21
211	Counter anions influence the relaxation dynamics of phenoxy-bridged Dy single molecule magnets. <i>Dalton Transactions</i> , 2020 , 49, 12372-12379	4.3	12
210	External stimuli modulate the magnetic relaxation of lanthanide single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3315-3326	6.8	29
209	Linear hexanuclear helical dysprosium single-molecule magnets: the effect of axial substitution on magnetic interactions and relaxation dynamics. <i>Dalton Transactions</i> , 2019 , 48, 14062-14068	4.3	19
208	Heterometallic grids: synthetic strategies and recent advances. <i>Dalton Transactions</i> , 2019 , 48, 769-778	4.3	20
207	Tetranuclear dysprosium single-molecule magnets: tunable magnetic interactions and magnetization dynamics through modifying coordination number. <i>Dalton Transactions</i> , 2019 , 48, 2135-2141	4.3	17
206	Recent developments in single-molecule toroics. <i>Dalton Transactions</i> , 2019 , 48, 15358-15370	4.3	32
205	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
204	Chain length effect in the functionalization of polyoxometalates with alkylidiphosphonates. <i>Chemical Communications</i> , 2019 , 55, 6547-6550	5.8	10
203	Enhancing Magnetic Behaviors of Dysprosium Single-Molecule Magnets from Crystal Field Perturbation by Deprotonating Schiff-Base Ligand. <i>Crystal Growth and Design</i> , 2019 , 19, 3365-3371	3.5	11
202	Influence of Magnetic Interactions and Single-Ion Anisotropy on Magnetic Relaxation within a Family of Tetranuclear Dysprosium Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 5715-5724	5.1	30
201	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

200	Molecular magnetism of lanthanide: Advances and perspectives. <i>Coordination Chemistry Reviews</i> , 2019 , 378, 350-364	23.2	239
199	Manipulating the Relaxation of Quasi-D Dysprosium Compounds through Alternation of the O-Donor Ligands. <i>Inorganic Chemistry</i> , 2018 , 57, 4534-4542	5.1	28
198	Functionalized Nitronyl Nitroxide Biradicals for the Construction of 3d-4f Heterometallic Compounds. <i>Inorganic Chemistry</i> , 2018 , 57, 9757-9765	5.1	28
197	Exploiting Miraculous Atmospheric CO ₂ Fixation in the Design of Dysprosium Single-Molecule Magnets. <i>Crystal Growth and Design</i> , 2018 , 18, 1173-1181	3.5	13
196	Realization of toroidal magnetic moments in heterometallic 3d-4f metallocycles. <i>Chemical Communications</i> , 2018 , 54, 1065-1068	5.8	66
195	Exchange Interactions Switch Tunneling: A Comparative Experimental and Theoretical Study on Relaxation Dynamics by Targeted Metal Ion Replacement. <i>Chemistry - A European Journal</i> , 2018 , 24, 9928-9939	4.8	14
194	Geometry and Magnetism of Lanthanide Compounds. <i>Topics in Organometallic Chemistry</i> , 2018 , 191-226	0.6	5
193	Six-Coordinate Ln(III) Complexes with Various Coordination Geometries Showing Distinct Magnetic Properties. <i>Inorganics</i> , 2018 , 6, 16	2.9	12
192	Heterometallic Cu/Ln cluster chemistry: ferromagnetically-coupled {CuLn} complexes exhibiting single-molecule magnetism and magnetocaloric properties. <i>Dalton Transactions</i> , 2018 , 47, 11934-11941	4.3	14
191	Coupling Dy 3 triangles into hexanuclear dysprosium(III) clusters: Syntheses, structures and magnetic properties. <i>Polyhedron</i> , 2018 , 150, 40-46	2.7	4
190	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
189	From double-shelled grids to supramolecular frameworks. <i>Chemical Communications</i> , 2018 , 54, 12097-12100	1.0	21
188	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
187	Tuning the Magnetic Interactions in Dy(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2018 , 57, 8550-8557	3.5	48
186	End-to-end azido-pinned interlocking lanthanide squares. <i>Chemical Communications</i> , 2017 , 53, 3026-3029	3.8	64
185	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
184	Single-Molecule-Magnet Behavior in a Calix[8]arene-Capped {Tb6III CrIII} Cluster. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2088-2093	2.3	15
183	Geometry and magnetic interaction modulations in dinuclear Dy single-molecule magnets. <i>Dalton Transactions</i> , 2017 , 46, 8252-8258	4.3	41

182	Enhancement of Magnetocaloric Effect through Fixation of Carbon Dioxide: Molecular Assembly from Ln to Ln Cluster Pairs. <i>Inorganic Chemistry</i> , 2017 , 56, 4104-4111	5.1	51
181	New Dioximes as Bridging Ligands in 3d/4f-Metal Cluster Chemistry: One-Dimensional Chains of Ferromagnetically Coupled {Cu6Ln2} Clusters Bearing Acenaphthenequinone Dioxime and Exhibiting Magnetocaloric Properties. <i>Crystal Growth and Design</i> , 2017 , 17, 2486-2497	3.5	13
180	Slow magnetic relaxation based on the anisotropic Ising-type magnetic coupling between the Mo and Mn centers. <i>Dalton Transactions</i> , 2017 , 46, 1042-1046	4.3	17
179	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
178	Structures and magnetic properties of dysprosium complexes: the effect of crystallization temperature. <i>Dalton Transactions</i> , 2017 , 46, 564-570	4.3	18
177	Axial Ligand Field in D Coordination Symmetry: Magnetic Relaxation of Dy SMMs Perturbed by Counteranions. <i>Inorganic Chemistry</i> , 2017 , 56, 11211-11219	5.1	53
176	Recent Developments in Lanthanide Single-Molecule Magnets. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2772-2779	4.5	108
175	Single-Molecule Magnetic Behavior in a Calix[8]arene-Capped Heterometallic {DyIII4CoII4} Square-Antiprismatic Cluster. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4879-4883	2.3	4
174	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
173	Low Dimensional Molecular Magnets and Spintronics 2016 , 617-680		
172	Macroscopic Hexagonal Tubes of 3 d-4 f Metalloclusters. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15574-15578	16.4	81
171	Two 1,8-naphthalenediol-based dysprosium complexes: syntheses, structures, and magnetic properties. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 1864-1873	1.6	5
170	Elucidating the Magnetic Anisotropy and Relaxation Dynamics of Low-Coordinate Lanthanide Compounds. <i>Inorganic Chemistry</i> , 2016 , 55, 1905-11	5.1	49
169	A 3D Heterometallic Coordination Polymer Constructed by Trimeric {NiDy2} Single-Molecule Magnet Units. <i>Inorganic Chemistry</i> , 2016 , 55, 1202-7	5.1	70
168	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
167	Site-Resolved Two-Step Relaxation Process in an Asymmetric Dy ₂ Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2016 , 22, 1392-8	4.8	96
166	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
165	Macroscopic Hexagonal Tubes of 3 d f Metalloclusters. <i>Angewandte Chemie</i> , 2016 , 128, 15803-15807	3.6	13

- 164 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
- 163 Metallosupramolecular Coordination Complexes: The Design of Heterometallic 3d-4f Gridlike Structures. *Inorganic Chemistry*, **2016**, 55, 5514-9 5.1 50
- 162 - isomerism modulates the magnetic relaxation of dysprosium single-molecule magnets. *Chemical Science*, **2016**, 7, 3632-3639 9.4 114
- 161 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. *Inorganic Chemistry*, **2016**, 55, 11283-11298⁶⁶ 5.1 1298
- 160 Lanthanide single molecule magnets: progress and perspective. *Dalton Transactions*, **2015**, 44, 3923-9 4.3 238
- 159 Employment of triketones to construct a dysprosium(III) single-molecule magnet. *Dalton Transactions*, **2015**, 44, 4648-54 4.3 36
- 158 Chiral biomolecule based dodecanuclear dysprosium(III)Copper(II) clusters: structural analyses and magnetic properties. *Inorganic Chemistry Frontiers*, **2015**, 2, 854-859 6.8 6
- 157 Utilizing 3d-4f magnetic interaction to slow the magnetic relaxation of heterometallic complexes. *Inorganic Chemistry*, **2015**, 54, 4337-44 5.1 57
- 156 Lanthanide Single-Ion Molecular Magnets **2015**, 41-90 18
- 155 Polynuclear Lanthanide Single Molecule Magnets **2015**, 61-88 6
- 154 Constructing supramolecular grids: from 4f square to 3d-4f grid. *Chemical Communications*, **2015**, 51, 17317-20 5.8 50
- 153 Tuning the Magnetic Interactions and Relaxation Dynamics of Dy₂ Single-Molecule Magnets. *Chemistry - A European Journal*, **2015**, 21, 14099-106 4.8 79
- 152 Crystallization of triple- and quadruple-stranded dinuclear bis-bidentonate-Dy(III) helicates: single molecule magnetic behavior. *CrystEngComm*, **2015**, 17, 7227-7232 3.3 23
- 151 Nanoscale {Ln(III)₂₄Zn(II)₆} Triangular Metalloring with Magnetic Refrigerant, Slow Magnetic Relaxation, and Fluorescent Properties. *Inorganic Chemistry*, **2015**, 54, 11535-41 5.1 67
- 150 Planar Dy₃ + Dy₃ clusters: design, structure and axial ligand perturbed magnetic dynamics. *Dalton Transactions*, **2015**, 44, 20316-20 4.3 50
- 149 Chiral mononuclear lanthanide complexes and the field-induced single-ion magnet behaviour of a Dy analogue. *Dalton Transactions*, **2015**, 44, 223-9 4.3 46
- 148 Modulating Relaxation Dynamics of Dy₂ Compounds through Carboxylate Coordination Modes. *European Journal of Inorganic Chemistry*, **2015**, 2015, 5488-5494 2.3 12
- 147 Single-Molecule Toroids and Multinuclear Lanthanide Single-Molecule Magnets **2015**, 127-166 3

146	A Basis for Lanthanide Single-Molecule Magnets 2015 , 1-39		1
145	Hydrazone-Based Lanthanide Single-Molecule Magnets 2015 , 167-193		1
144	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
143	Dinuclear Lanthanide Single-Molecule Magnets 2015 , 91-126		
142	Lanthanide Single Molecule Magnets 2015 ,		80
141	Anions Influence the Relaxation Dynamics of Mono-β-OH-Capped Triangular Dysprosium Aggregates. <i>Inorganic Chemistry</i> , 2015 , 54, 5571-8	5.1	64
140	All three-in-one ferromagnetic interactions, single-molecule magnetism and magnetocaloric properties in a new family of [Cu ₄ Ln] (Ln ^{III} = Gd, Tb, Dy) clusters. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 945-948	6.8	19
139	Exploiting verdazyl radicals to assemble 2p-3d-4f one-dimensional chains. <i>Dalton Transactions</i> , 2015 , 44, 5364-8	4.3	23
138	[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
137	Low-Dimensional Molecular Magnets and Spintronics 2015 , 1-51		
136	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
135	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
134	Slow Magnetic Relaxation in an Asymmetrically Coupled Heptanuclear Dysprosium(III)Nickel(II) Architecture. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2014 , 84, 151-156	0.9	2
133	Equatorially coordinated lanthanide single ion magnets. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4484-7	16.4	446
132	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
131	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
130	Single-molecule toroics in Ising-type lanthanide molecular clusters. <i>Chemical Society Reviews</i> , 2014 , 43, 6894-905	58.5	278
129	Versatile tetranuclear dysprosium single-molecule magnets. <i>Polyhedron</i> , 2014 , 83, 185-196	2.7	25

128	Molecular magnetic investigation of a family of octanuclear [Cu ₈ Ln] nanoclusters. <i>Inorganic Chemistry</i> , 2014 , 53, 8165-71	5.1	51
127	Structures and magnetic properties of two analogous Dy ₆ wheels with electron-donation and -withdrawal effects. <i>Inorganic Chemistry</i> , 2014 , 53, 7554-60	5.1	29
126	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
125	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
124	Three dinuclear lanthanide(III) compounds of a polydentate Schiff base ligand: Slow magnetic relaxation behaviour of the Dy(III) derivative. <i>CrystEngComm</i> , 2013 , 15, 5301	3.3	34
123	A highly efficient "metalloligand" strategy for the synthesis of ternary Ln-Ru-W hybrids. <i>Chemical Communications</i> , 2013 , 49, 7911-3	5.8	20
122	A homospin cobalt(II) topological ferrimagnet. <i>Chemical Communications</i> , 2013 , 49, 8226-8	5.8	39
121	New polyoxometalate-based mononuclear lanthanide complexes with slow relaxation of magnetization. <i>Inorganica Chimica Acta</i> , 2013 , 394, 770-775	2.7	9
120	Butterfly-shaped pentanuclear dysprosium single-molecule magnets. <i>Chemistry - A European Journal</i> , 2013 , 19, 13235-41	4.8	24
119	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
118	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
117	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
116	Tuning the interactions from antiferro- to ferro-magnetic by molecular tailoring and manipulating. <i>Dalton Transactions</i> , 2013 , 42, 3308-17	4.3	20
115	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
114	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
113	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
112	An asymmetrically connected hexanuclear Dy(III) ₆ cluster exhibiting slow magnetic relaxation. <i>Inorganic Chemistry Communication</i> , 2013 , 35, 144-148	3.1	17
111	Syntheses, structures, and magnetic and luminescence properties of a new Dy(III)-based single-ion magnet. <i>Inorganic Chemistry</i> , 2013 , 52, 7380-6	5.1	84

110	Hydrazone-based Dysprosium Single Molecule Magnets. <i>Current Inorganic Chemistry</i> , 2013 , 3, 101-111		15
109	Synthesis, structure and luminescence properties of a series of dinuclear Ln(III) complexes (Ln=Gd, Tb, Dy, Ho, Er). <i>Journal of Luminescence</i> , 2012 , 132, 1906-1909	3.8	20
108	A discrete dysprosium trigonal prism showing single-molecule magnet behaviour. <i>Chemistry - A European Journal</i> , 2012 , 18, 442-5	4.8	73
107	Enhancing anisotropy barriers of dysprosium(III) single-ion magnets. <i>Chemistry - A European Journal</i> , 2012 , 18, 2484-7	4.8	200
106	Coupling Dy ₃ triangles to maximize the toroidal moment. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12767-71	16.4	191
105	Two bulky-decorated triangular dysprosium aggregates conserving vortex-spin structure. <i>Inorganic Chemistry</i> , 2012 , 51, 13264-70	5.1	81
104	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
103	Polyoxometalate-supported 3d-4f heterometallic single-molecule magnets. <i>Inorganic Chemistry</i> , 2012 , 51, 2722-4	5.1	86
102	Coupling Dy ₃ Triangles to Maximize the Toroidal Moment. <i>Angewandte Chemie</i> , 2012 , 124, 12939-12943	3.6	33
101	Polydentate-ligand-supported self-assembly of heterometallic T-shaped Co ₄ RE (RE = Gd, Tb, Y) clusters: synthesis, structure and magnetism. <i>Dalton Transactions</i> , 2012 , 41, 9760-5	4.3	13
100	Phenoxido and alkoxido-bridged dinuclear dysprosium complexes showing single-molecule magnet behaviour. <i>Dalton Transactions</i> , 2012 , 41, 2966-71	4.3	82
99	Steric hindrances create a discrete linear Dy ₄ complex exhibiting SMM behaviour. <i>Dalton Transactions</i> , 2012 , 41, 3248-52	4.3	70
98	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
97	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
96	Diversity of lanthanide(III)-organic extended frameworks with a 4,8-disulfonyl-2,6-naphthalenedicarboxylic acid ligand: syntheses, structures, and magnetic and luminescent properties. <i>Inorganic Chemistry</i> , 2012 , 51, 2381-92	5.1	96
95	A dodecanuclear dysprosium wheel assembled by six vertex-sharing Dy ₃ triangles exhibiting slow magnetic relaxation. <i>Inorganic Chemistry</i> , 2012 , 51, 5994-6	5.1	89
94	A linear 3d-4f tetranuclear Co(III) ₂ Dy(III) ₂ single-molecule magnet: synthesis, structure, and magnetic properties. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 2419-23	4.5	52
93	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

92	The use of a versatile o-vanilloyl hydrazone ligand to prepare SMM-like Dy ₃ molecular cluster pair. <i>Chemical Communications</i> , 2012 , 48, 8946-8	5.8	55
91	A novel windmill-type Dy(III) [2 D] grid exhibiting slow magnetic relaxation. <i>Dalton Transactions</i> , 2012 , 41, 351-3	4.3	52
90	Heterobimetallic hexanuclear [Mn ₄ Ln ₂] clusters: a rare Mn ₄ Nd ₂ example exhibiting slow relaxation of magnetization. <i>Dalton Transactions</i> , 2012 , 41, 2314-9	4.3	56
89	Cyano-bridged terbium(III)-chromium(III) bimetallic quasi-one-dimensional assembly exhibiting long-range magnetic ordering. <i>Dalton Transactions</i> , 2012 , 41, 1624-9	4.3	20
88	Macrocyclic ligand encapsulating dysprosium triangles: axial ligands perturbed magnetic dynamics. <i>Chemical Communications</i> , 2012 , 48, 6924-6	5.8	67
87	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
86	Field enhanced thermally activated mechanism in a square Dy ₄ aggregate. <i>Chemical Communications</i> , 2012 , 48, 7031-3	5.8	74
85	Polydentate-ligand-supported self-assembly of heterometallic T-shaped Co ₄ Dy cluster showing slow magnetic relaxation. <i>Science China Chemistry</i> , 2012 , 55, 906-909	7.9	5
84	Modulating the magnetic relaxation of lanthanide-based single-molecule magnets. <i>Science Bulletin</i> , 2012 , 57, 2517-2524		8
83	N ₁ ,N ₅ -Bis(3-methoxysalicylidene)-di-imino-3-azapentane-based Mn ³⁺ , Co ³⁺ and Cu ²⁺ complexes: Synthesis, coordination behavior and magnetic properties. <i>Inorganica Chimica Acta</i> , 2012 , 382, 65-71	2.7	3
82	Observation of slow magnetic relaxation in triple-stranded lanthanide helicates. <i>Dalton Transactions</i> , 2011 , 40, 8213-7	4.3	93
81	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
80	Heterometallic cubanes: syntheses, structures, and magnetic properties of lanthanide(III)-nickel(II) architectures. <i>Inorganic Chemistry</i> , 2011 , 50, 1304-8	5.1	69
79	Strong axially 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
78	Hierarchically structured Fe ₃ O ₄ microspheres: morphology control and their application in wastewater treatment. <i>CrystEngComm</i> , 2011 , 13, 642-648	3.3	77
77	A dodecanuclear heterometallic dysprosium-cobalt wheel exhibiting single-molecule magnet behaviour. <i>Chemical Communications</i> , 2011 , 47, 8659-61	5.8	182
76	A series of tetranuclear lanthanide complexes comprising two edge-sharing triangular units with field-induced slow magnetic relaxation for Dy ₄ species. <i>Dalton Transactions</i> , 2011 , 40, 8347-52	4.3	57
75	Hexanuclear dysprosium(III) compound incorporating vertex- and edge-sharing Dy ₃ triangles exhibiting single-molecule-magnet behavior. <i>Inorganic Chemistry</i> , 2011 , 50, 8688-90	5.1	74

74	Porous Co ₃ O ₄ microcubes: hydrothermal synthesis, catalytic and magnetic properties. <i>CrystEngComm</i> , 2011 , 13, 2123	3.3	58
73	A diabolo-shaped Dy ₉ cluster: synthesis, crystal structure and magnetic properties. <i>Dalton Transactions</i> , 2011 , 40, 6440-4	4.3	37
72	Relaxation dynamics of dysprosium(III) single molecule magnets. <i>Dalton Transactions</i> , 2011 , 40, 9953-63	4.3	443
71	Coordination-perturbed single-molecule magnet behaviour of mononuclear dysprosium complexes. <i>Dalton Transactions</i> , 2011 , 40, 5579-83	4.3	134
70	A novel two dimensional samarium(III) coordination framework with N-(2-Hydroxyethyl)iminodiacetic acid and oxalate ligands: Synthesis, crystal structure and magnetic property. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 1928-1931	3.1	14
69	Synthesis, Crystal Structure and Magnetic Property of a One-Dimensional Samarium(III) Coordination Polymer. <i>Journal of Chemical Crystallography</i> , 2011 , 41, 77-81	0.5	5
68	A Tetranuclear Nickel(II) Cubane Complex with O-Vanillin Ligand. <i>Journal of Chemical Crystallography</i> , 2011 , 41, 606-609	0.5	14
67	Structure and Magnetic Properties of A Phenoxido-bridged Dinuclear Cobalt(II) Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 720-723	1.3	10
66	Syntheses, Crystal Structures, and Magnetic Properties of EO/ECl Bridged Dinuclear Manganese(II) and Copper(II) Complexes with Schiff base Ligand HL [HL = 2-(benzothiazol-2-yl-hydrazonomethyl)-6-methoxyphenol]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 2300-2305	1.3	7
65	A Dy ₆ Cluster Displays Slow Magnetic Relaxation with an Edge-to-Edge Arrangement of Two Dy ₃ Triangles. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4153-4156	2.3	34
64	Capping ligand perturbed slow magnetic relaxation in dysprosium single-ion magnets. <i>Chemistry - A European Journal</i> , 2011 , 17, 12476-81	4.8	225
63	Cobalt and nickel with various morphologies: mineralizer-assisted synthesis, formation mechanism, and magnetic properties. <i>CrystEngComm</i> , 2011 , 13, 223-229	3.3	15
62	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
61	Synthesis, crystal structure, and magnetic properties of a phenoxo-bridged dinuclear nickel(II) complex. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 2020-2027	1.6	4
60	Bis(μ ₂ -{[2-(1,3-benzothiazol-2-yl)hydrazinylidene]methyl}-6-methoxyphenolato)bis-[dinitratodysprosium(III)] methanol disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m796-7		
59	A promising new route towards single-molecule magnets based on the oxalate ligand. <i>Chemical Communications</i> , 2010 , 46, 1506-8	5.8	228
58	A linear tetranuclear dysprosium(III) compound showing single-molecule magnet behaviour. <i>Chemical Communications</i> , 2010 , 46, 6057-9	5.8	99
57	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

- 56 Multi-component synthesis of trimetallic tetranuclear clusters [Cu(L)(H₂O)]₂Ln(H₂O)₂Cr(C₂O₄)₃·12H₂O (H₂L = 1,4,8,11-tetraazacyclotradecane-2,3-dione, Ln(3+) = Gd, Tb and Dy). *Chemical Communications*, **2010**, 46, 6533-5 5.8 23
- 55 Magnetic properties of dysprosium cubanes dictated by the M-O-M angles of the [Dy₄(μ₃-OH)₄] core. *Inorganic Chemistry*, **2010**, 49, 7549-57 5.1 112
- 54 Two-step relaxation in a linear tetranuclear dysprosium(III) aggregate showing single-molecule magnet behavior. *Journal of the American Chemical Society*, **2010**, 132, 8538-9 16.4 557
- 53 Pyrazine-bridged Dy₂ single-molecule magnet with a large anisotropic barrier. *Chemical Communications*, **2010**, 46, 8264-6 5.8 105
- 52 Manganese(III)-mediated cyclodimerization of a hydrazinyl derivative generating an unprecedented 1,2,3,5,6-substituted leuco-verdazyl ring. *Dalton Transactions*, **2010**, 39, 1361-5 4.3 9
- 51 Praseodymium(III)-based bis-metallacalix[4]arene with host-guest behaviour. *Dalton Transactions*, **2010**, 39, 4353-7 4.3 19
- 50 Direct hydrothermal synthesis of single-crystalline triangular Fe₃O₄ nanoprisms. *CrystEngComm*, **2010**, 12, 2060 3.3 61
- 49 Synthesis, structures and magnetic properties of di- and tetranuclear manganese complexes derived from a 3-methoxysalicylaldehyde benzoylhydrazide ligand. *Journal of Molecular Structure*, **2010**, 982, 139-144 3.4 14
- 48 Coupling Dy₃ Triangles Enhances Their Slow Magnetic Relaxation. *Angewandte Chemie*, **2010**, 122, 6496-6500 6.5 68
- 47 Coupling Dy₃ triangles enhances their slow magnetic relaxation. *Angewandte Chemie - International Edition*, **2010**, 49, 6352-6 16.4 354
- 46 Two tri-spin complexes based on gadolinium and nitronyl nitroxide radicals: Structure and ferromagnetic interactions. *Journal of Solid State Chemistry*, **2010**, 183, 927-932 3.3 35
- 45 Carboxylato-bridged 3D polymeric networks of Pr(III): Synthesis, crystal structure, magnetic property and thermal behavior. *Journal of Molecular Structure*, **2010**, 979, 160-164 3.4 17
- 44 A Dy₁₀ cluster incorporates two sets of vertex-sharing Dy₃ triangles. *Chemistry - A European Journal*, **2009**, 15, 10335-8 4.8 106
- 43 Di-, tetra- and hexanuclear iron(III), manganese(II/III) and copper(II) complexes of Schiff-base ligands derived from 6-substituted-2-formylphenols. *Dalton Transactions*, **2009**, 1721-7 4.3 41
- 42 Magnetic coupling between copper(II) ions mediated by hydrogen-bonded (neutral) water molecules. *Inorganic Chemistry*, **2009**, 48, 5473-9 5.1 59
- 41 Two-step spin-transition iron(III) compound with a wide [high spin-low spin] plateau. *Inorganic Chemistry*, **2009**, 48, 2128-35 5.1 64
- 40 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
- 39 A monometallic tri-spin single-molecule magnet based on rare earth radicals. *Dalton Transactions*, **2009**, 8489-92 4.3 95

38	Observation of slow magnetic relaxation in discrete dysprosium cubane. <i>Inorganic Chemistry</i> , 2009 , 48, 11495-7	5.1	151
37	Templated assembly of $\mu(5)$ -CO ₃ (²⁻) decanuclear praseodymium and neodymium clusters through spontaneous fixation of atmospheric carbon dioxide. <i>Dalton Transactions</i> , 2009 , 10609-13	4.3	55
36	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
35	Influence of Coordinating and Non-Coordinating Anions and of a Methoxy Substituent on the Formation of Copper-Based Coordination Assemblies. <i>Crystal Growth and Design</i> , 2008 , 8, 1005-1012	3.5	33
34	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
33	Efficient [bis(imino)pyridine-iron]-catalyzed oxidation of alkanes. <i>Dalton Transactions</i> , 2007 , 4644-6	4.3	22
32	Supramolecular Click Assembly of a Fused Double-Stranded [MnII ₃] Dihelicate. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 4119-4122	2.3	14
31	Controlled copper-mediated chlorination of phenol rings under mild conditions. <i>Inorganic Chemistry</i> , 2007 , 46, 4944-50	5.1	34
30	Remarkable steric effects and influence of monodentate axial ligands l on the spin-crossover properties of trans-[FeII(N ₄ ligand)L] complexes. <i>Inorganic Chemistry</i> , 2007 , 46, 4079-89	5.1	22
29	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
28	Dysprosium Triangles Showing Single-Molecule Magnet Behavior of Thermally Excited Spin States. <i>Angewandte Chemie</i> , 2006 , 118, 1761-1765	3.6	111
27	A series of new structural models for the OEC in photosystem II. <i>Chemical Communications</i> , 2006 , 2650-25.8		110
26	Iron(III) activation hits a [4 + 4] macrocycle. <i>Dalton Transactions</i> , 2005 , 429-32	4.3	17
25	Rational Design of Mono-, Bi-, and Tetranuclear Macrocyclic OxamidoMetal Complexes via Stepwise Complexation. <i>Crystal Growth and Design</i> , 2005 , 5, 813-819	3.5	35
24	What makes a single molecule magnet?. <i>Polyhedron</i> , 2005 , 24, 2864-2869	2.7	33
23	A novel tetranuclear lanthanide(III)copper(II) complex of the macrocyclic oxamide [PrCu ₃] (macrocyclic oxamide=1,4,8,11-tetraazacyclotradecane-2,3-dione): synthesis, structure and magnetism. <i>Inorganica Chimica Acta</i> , 2005 , 358, 325-330	2.7	33
22	Binuclear complexes of macrocyclic oxamide M(II)Cu(II) (M=Cu, Ni, Mn): synthesis, crystal structure and magnetic properties. <i>Inorganica Chimica Acta</i> , 2003 , 343, 288-294	2.7	16
21	A pentanuclear complex derived from manganese(III) Schiff-based complex and hexacyanoferrate(III): synthesis, structure and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 1109-1112	3.1	30

20	A Novel 4, 4'-Azopyridine-Bridged Manganese Polymer: Quasi Two-dimensional Structure and Magnetic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003 , 629, 2000-2003	1.3	9
19	A ferromagnetically coupled CrCu ₃ tetramer and GdCu ₄ pentamer with a [15]N ₄ macrocyclic ligand incorporating an oxamido bridge. <i>Inorganic Chemistry</i> , 2003 , 42, 1462-6	5.1	49
18	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
17	Synthesis and crystal structure of oxo-bridged dimanganese(III) complex [Mn III (salpn)OH] ₂ (CH ₃ OH)(CH ₃ CN) ₂ . <i>Journal of Molecular Structure</i> , 2002 , 606, 87-90	3.4	12
16	Synthesis and structure of a supramolecular octanuclear Cu(II) complex {[Cu(sae)] ₄ 2CH ₃ OH[H ₂ O] ₂ } through both H ₂ O and hydrogen bonds (sae = 2-salicylideneamino-1-ethanol). <i>Inorganic Chemistry Communication</i> , 2002 , 5, 76-77	3.1	19
15	Heterobinuclear copper(II)nickel(II) complexes of macrocyclic oxamide with diamines and tetraazacyclam as blocking ligands: synthesis, crystal structure and magnetic properties. <i>Inorganica Chimica Acta</i> , 2002 , 332, 146-152	2.7	17
14	Crystal structure of the addition compound of [Ni(meso-cth)][Cr(ox) ₂ (bpy)](H ₂ O)(ClO ₄) with weak coordination bonds and hydrogen bonds. <i>Journal of Chemical Crystallography</i> , 2002 , 32, 331-335	0.5	2
13	Synthesis, Crystal Structure and Magnetic Properties of an Oxalato-Bridged Dinickel(II) Complex Containing A MacrocyClic Ligand. <i>Journal of Coordination Chemistry</i> , 2002 , 55, 527-535	1.6	11
12	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). <i>Inorganic Chemistry</i> , 2002 , 41, 2188-92	5.1	56
11	Heterobinuclear copper(II)manganese(II) complexes behaving as three-dimensional supramolecular networks via both macrocyclic oxamido-bridges and hydrogen bonds. <i>Dalton Transactions RSC</i> , 2002 , 1607-1612		35
10	Synthesis, Crystal Structure and Magnetic Properties of a Terephthalato-bridged Binuclear Nickel(II) Complex. <i>Journal of Coordination Chemistry</i> , 2002 , 55, 205-213	1.6	13
9	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
8	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. <i>Inorganic Chemistry</i> , 2001 , 40, 3134-40	5.1	53
7	Novel nickel(II) complexes with diazamesocyclic ligands functionalized by additional phenol donor pendant(s): synthesis, characterization, crystal structures and magnetic properties. <i>Dalton Transactions RSC</i> , 2001 , 593-598		77
6	A new one-dimensional coordination polymer and a new supramolecular dimer made of trinuclear copper(II) complexes: crystal structure and magnetic properties. <i>Dalton Transactions RSC</i> , 2001 , 1537-1540		32
5	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
4	Synthesis and crystal structure of oxalato-bridged dicopper(II) complex with hydrogen bonds [Cu ₂ (C 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
3	Toroidal magnetic moments in Tb ₄ squares. <i>Inorganic Chemistry Frontiers</i> ,	6.8	1

2	Air-Stable Dy(III)-Macrocyclic Enantiomers: From Chiral to Polar Space Group. <i>CCS Chemistry</i> ,1-24	7.2	3
1	Tuning Magnetic Relaxation in Square-Pyramidal Dysprosium Single-Molecule Magnets Using Apical Alkoxide Ligands. <i>CCS Chemistry</i> ,388-398	7.2	16