

# Yan-Zhen Zheng

## List of Publications by Year in descending order

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162  
papers

10,273  
citations

34105

52  
h-index

34986

98  
g-index

176  
all docs

176  
docs citations

176  
times ranked

5420  
citing authors

#	ARTICLE	IF	CITATIONS
1	On Approaching the Limit of Molecular Magnetic Anisotropy: A Near-Perfect Pentagonal Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16071-16074.	13.8	778
2	Molecule-based magnetic coolers. <i>Chemical Society Reviews</i> , 2014, 43, 1462-1475.	38.1	514
3	Switching the anisotropy barrier of a single-ion magnet by symmetry change from quasi-D <sub>5h</sub> to quasi-O <sub>h</sub> . <i>Chemical Science</i> , 2013, 4, 3310.	7.4	469
4	High-Nuclearity 3d <sup>4</sup> Clusters as Enhanced Magnetic Coolers and Molecular Magnets. <i>Journal of the American Chemical Society</i> , 2012, 134, 3314-3317.	13.7	432
5	Co <sup>II</sup> -Ln Mixed-Metal Phosphonate Grids and Cages as Molecular Magnetic Refrigerants. <i>Journal of the American Chemical Society</i> , 2012, 134, 1057-1065.	13.7	353
6	Large Magnetocaloric Effect in a Wells-Dawson Type {Ni <sub>6</sub> Gd <sub>6</sub> P <sub>6</sub> } Cage. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3692-3695.	13.8	278
7	Lanthanide discs chill well and relax slowly. <i>Chemical Communications</i> , 2011, 47, 7650.	4.1	255
8	Anion-Perturbed Magnetic Slow Relaxation in Planar {Dy <sub>4</sub> } Clusters. <i>Inorganic Chemistry</i> , 2008, 47, 10813-10815.	4.0	250
9	Assembling Magnetic Nanowires into Networks: A Layered Coll Carboxylate Coordination Polymer Exhibiting Single-Chain-Magnet Behavior. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6310-6314.	13.8	240
10	Co <sup>II</sup> -Gd phosphonate complexes as magnetic refrigerants. <i>Chemical Science</i> , 2011, 2, 99-102.	7.4	234
11	A symbol approach for classification of molecule-based magnetic materials exemplified by coordination polymers of metal carboxylates. <i>Coordination Chemistry Reviews</i> , 2014, 258-259, 1-15.	18.8	198
12	A $\sigma$ -Star $\pi$ -Antiferromagnet: A Polymeric Iron(III) Acetate That Exhibits Both Spin Frustration and Long-Range Magnetic Ordering. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6076-6080.	13.8	188
13	Study of a magnetic-cooling material Gd(OH)CO <sub>3</sub> . <i>Journal of Materials Chemistry A</i> , 2014, 2, 9851-9858.	10.3	173
14	A $\sigma$ -Molecular Water Pipe: A Giant Tubular Cluster {Dy <sub>72</sub> } Exhibits Fast Proton Transport and Slow Magnetic Relaxation. <i>Advanced Materials</i> , 2016, 28, 10772-10779.	21.0	170
15	Field- and temperature-dependent quantum tunnelling of the magnetisation in a large barrier single-molecule magnet. <i>Nature Communications</i> , 2018, 9, 3134.	12.8	170
16	Mn <sup>II</sup> -Gd <sup>III</sup> Phosphonate Cages with a Large Magnetocaloric Effect. <i>Chemistry - A European Journal</i> , 2012, 18, 4161-4165.	3.3	135
17	Unprecedented (3,9)-Connected (42.6) <sub>3</sub> (46.621.89) Net Constructed by Trinuclear Mixed-Valence Cobalt Clusters. <i>Crystal Growth and Design</i> , 2007, 7, 980-983.	3.0	130
18	3d <sup>5</sup> ...MOFs Containing Trigonal Bipyramidal Ln <sub>5</sub> ...Clusters as Nodes: Large Magnetocaloric Effect and Slow Magnetic Relaxation Behavior. <i>Chemistry - A European Journal</i> , 2012, 18, 15086-15091.	3.3	125

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19	Controlled hydrothermal synthesis of copper(ii or i,ii) coordination polymers via pH-dependent in situ metal/ligand redox reactions. <i>New Journal of Chemistry</i> , 2004, 28, 1412.	2.8	123
20	On Approaching the Limit of Molecular Magnetic Anisotropy: A Near-Perfect Pentagonal Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Angewandte Chemie</i> , 2016, 128, 16305-16308.	2.0	121
21	Polymerisation of the Dysprosium Acetate Dimer Switches on Single-Chain Magnetism. <i>Chemistry - A European Journal</i> , 2009, 15, 12566-12570.	3.3	120
22	A Two-Dimensional Iron(II) Carboxylate Linear Chain Polymer that Exhibits a Metamagnetic Spin-Canted Antiferromagnetic to Single-Chain Magnetic Transition. <i>Inorganic Chemistry</i> , 2008, 47, 4077-4087.	4.0	116
23	A Mixed-Ligand Approach for a Gigantic and Hollow Heterometallic Cage $\{Ni_{64}RE_{96}\}$ for Gas Separation and Magnetic Cooling Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9375-9379.	13.8	114
24	Highly Emissive Perylene Diimide-Based Metallacages and Their Host-Guest Chemistry for Information Encryption. <i>Journal of the American Chemical Society</i> , 2020, 142, 18763-18768.	13.7	114
25	Symmetry related $[Dy_{116}Mn_{112}]$ cores with different magnetic anisotropies. <i>Chemical Science</i> , 2011, 2, 1268.	7.4	108
26	A Study of Magnetic Relaxation in Dysprosium(III) Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2020, 26, 5893-5902.	3.3	108
27	Coexistence of Planar and Chair-Shaped Cyclic Water Hexamers in a Unique Cyclohexanehexacarboxylate-Bridged Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2006, 6, 357-359.	3.0	105
28	Enhancing Magnetic Hysteresis in Single-Molecule Magnets by Ligand Functionalization. <i>CheM</i> , 2020, 6, 1777-1793.	11.7	103
29	Air-Stable Hexagonal Bipyramidal Dysprosium(III) Single-Molecule Magnets with Nearly Perfect $D_{6h}$ Local Symmetry. <i>Chemistry - A European Journal</i> , 2019, 25, 16219-16224.	3.3	99
30	The Gigantic $\{Ni_{36}Gd_{102}\}$ Hexagon: A Sulfate-Templated "Star-of-David" for Photocatalytic $CO_2$ Reduction and Magnetic Cooling. <i>Journal of the American Chemical Society</i> , 2020, 142, 4663-4670.	13.7	99
31	Gadolinium(III)-Hydroxy Ladders Trapped in Succinate Frameworks with Optimized Magnetocaloric Effect. <i>Chemistry - A European Journal</i> , 2013, 19, 13504-13510.	3.3	88
32	Molecular amino-phosphonate cobalt-lanthanide clusters. <i>Chemical Communications</i> , 2013, 49, 3522.	4.1	86
33	Two-dimensional lead-free iodide-based hybrid double perovskites: crystal growth, thin-film preparation and photocurrent responses. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19662-19667.	10.3	85
34	Family of Heterometallic Semicircular $Mn^{III}_2Ln^{III}_3$ Strands. <i>Inorganic Chemistry</i> , 2009, 48, 3502-3504.	4.0	83
35	Coexistence of spin frustration and long-range magnetic ordering in a triangular $Co_3(\frac{1}{3}OH)$ -based two-dimensional compound. <i>Chemical Communications</i> , 2006, , 165-167.	4.1	81
36	Uniaxial magnetic anisotropy of square-planar chromium( <sup>ii</sup> ) complexes revealed by magnetic and HF-EPR studies. <i>Chemical Communications</i> , 2015, 51, 17688-17691.	4.1	77

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37	Synthesis, Structure and Photoluminescent Studies of Two Novel Layered Uranium Coordination Polymers Constructed from UO(OH) Polyhedra and Pyridinedicarboxylates. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4109-4117.	2.0	74
38	Topological Self-Assembly of Highly Symmetric Lanthanide Clusters: A Magnetic Study of Exchange-Coupling Fingerprints in Giant Gadolinium(III) Cages. <i>Journal of the American Chemical Society</i> , 2017, 139, 16405-16411.	13.7	74
39	Rational Design and Control of the Dimensions of Channels in Three-Dimensional, Porous Metal-Organic Frameworks Constructed with Predesigned Hexagonal Layers and Pillars. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1931-1935.	2.0	73
40	Probing Single-Chain Magnets in a Family of Linear Chain Compounds Constructed by Magnetically Anisotropic Metal-Ions and Cyclohexane-1,2-Dicarboxylate Analogues. <i>Inorganic Chemistry</i> , 2008, 47, 11202-11211.	4.0	72
41	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium(III) single molecule magnets. <i>Dalton Transactions</i> , 2019, 48, 8541-8545.	3.3	71
42	Syntheses, structures and magnetic properties of a family of metal carboxylate polymers via in situ metal-ligand reactions of benzene-1,2,3-tricarboxylic acid. <i>Dalton Transactions</i> , 2009, , 1396.	3.3	70
43	Structure Tunable Organic-Inorganic Bismuth Halides for an Enhanced Two-Dimensional Lead-Free Light-Harvesting Material. <i>Chemistry of Materials</i> , 2017, 29, 5463-5467.	6.7	68
44	Relaxations in heterolanthanide dinuclear single-molecule magnets. <i>Chemical Communications</i> , 2013, 49, 158-160.	4.1	66
45	A Local D <sub>4h</sub> Symmetric Dysprosium(III) Single-Molecule Magnet with an Energy Barrier Exceeding 2000 K. <i>Chemistry - A European Journal</i> , 2021, 27, 2623-2627.	3.3	66
46	3D geometrically frustrated magnets assembled by transition metal ion and 1,2,3-triazole-4,5-dicarboxylate as triangular nodes. <i>CrystEngComm</i> , 2008, 10, 1770.	2.6	65
47	Direct Observation of Confined I <sup>+</sup> ...I <sup>+</sup> ...I <sup>+</sup> Interactions in a Metal-Organic Framework: Iodine Capture and Sensing. <i>Chemistry - A European Journal</i> , 2017, 23, 8409-8413.	3.3	64
48	Ferrimagnetic [Co <sub>3</sub> (1/3-OH) <sub>2</sub> (RCO <sub>2</sub> ) <sub>4</sub> ] chains embedded in a laminar hybrid material exhibiting single-chain magnet behaviour. <i>Dalton Transactions</i> , 2009, , 1897.	3.3	61
49	Spin-Frustrated Complex, [Fe <sup>II</sup> Fe <sup>III</sup> (trans-1,4-cyclohexanedicarboxylate) <sub>1.5</sub> ] <sub>2</sub> : Interplay between Single-Chain Magnetic Behavior and Magnetic Ordering. <i>Inorganic Chemistry</i> , 2009, 48, 2028-2042.	4.0	61
50	The Rise of Single-Ion Magnets as Spin Qubits. <i>Magnetochemistry</i> , 2016, 2, 40.	2.4	61
51	The slow magnetic relaxation observed in a mixed carboxylate/hydroxide-bridged compound [Co <sub>2</sub> Na(4-cpa) <sub>2</sub> (1/3-OH)(H <sub>2</sub> O)] <sub>2</sub> featuring magnetic I <sup>+</sup> -chains. <i>Chemical Communications</i> , 2006, , 3603-3605.	4.1	57
52	Quantum Monte Carlo simulations of a giant {Ni <sub>21</sub> Gd <sub>20</sub> } cage with a S <sub>91</sub> spin ground state. <i>Nature Communications</i> , 2018, 9, 2107.	12.8	55
53	Iron Lanthanide Phosphonate Clusters: {Fe <sub>6</sub> Ln <sub>6</sub> P <sub>6</sub> } Wells Dawson-like Structures with D <sub>3d</sub> Symmetry. <i>Inorganic Chemistry</i> , 2014, 53, 3032-3038.	4.0	52
54	Syntheses, structures and magnetic properties of a series of mono- and di-nuclear dysprosium(III)-crown-ether complexes: effects of a weak ligand-field and flexible cyclic coordination modes. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 798-807.	6.0	52

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55	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Heterospin Ring. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16571-16574.	13.8	52
56	Pentacobalt( <i>ii</i> ) cluster based pcu network exhibits both magnetic slow-relaxation and hysteresis behaviour. <i>Dalton Transactions</i> , 2011, 40, 27-30.	3.3	51
57	On balancing the QTM and the direct relaxation processes in single-ion magnets – the importance of symmetry control. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1141-1148.	6.0	49
58	From Pseudo to True $C_3$ Symmetry: Magnetic Anisotropy Enhanced by Site-Specific Ligand Substitution in Two $Mn_{15}$ -Carboxylate Clusters. <i>Inorganic Chemistry</i> , 2007, 46, 6437-6443.	4.0	47
59	A Multifunctional Lanthanide Carbonate Cluster Based Metal-Organic Framework Exhibits High Proton Transport and Magnetic Entropy Change. <i>Inorganic Chemistry</i> , 2018, 57, 9020-9027.	4.0	47
60	A bottom-up synthesis of $\pm$ - $Fe_2O_3$ nanoaggregates and their composites with graphene as high performance anodes in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2158-2165.	10.3	45
61	A dichlorido-bridged dinuclear Dy( <i>iii</i> ) single-molecule magnet with an effective energy barrier larger than 600 K. <i>Chemical Communications</i> , 2019, 55, 7930-7933.	4.1	43
62	Two spin-competing manganese( <i>ii</i> ) coordination polymers exhibiting unusual multi-step magnetization jumps. <i>Chemical Communications</i> , 2009, , 3804.	4.1	42
63	Exchange-Biasing in a Dinuclear Dysprosium( <i>III</i> ) Single-Molecule Magnet with a Large Energy Barrier for Magnetisation Reversal. <i>Chemistry - A European Journal</i> , 2020, 26, 6773-6777.	3.3	41
64	Dysprosiacarboranes as Organometallic Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9350-9354.	13.8	41
65	Syntheses, structures and magnetic properties of five coordination polymers derived via in situ metal-ligand reactions of 2-phenyl-malonic acid. <i>Journal of Molecular Structure</i> , 2006, 796, 9-17.	3.6	40
66	N $\alpha$ el Temperature Enhancement by Increasing the In-plane Magnetic Correlation in Layered Inorganic-Organic Hybrid Materials. <i>Advanced Materials</i> , 2008, 20, 1534-1538.	21.0	40
67	Large Easy-Plane Magnetic Anisotropy in a Three-Coordinate Cobalt( <i>II</i> ) Complex $[Li(THF)_4][Co(NPh)_2]_3$ . <i>Chemistry - A European Journal</i> , 2016, 22, 10215-10219.	3.3	40
68	Coexistence of magnetic order and spin-glass-like phase in the pyrochlore antiferromagnet $Na_3Co_2(PO_4)_4$ . <i>Chemical Communications</i> , 2019, 55, 9355-9358.	4.1	39
69	An imido ligand significantly enhances the effective energy barrier of dysprosium( <i>iii</i> ) single-molecule magnets. <i>Chemical Communications</i> , 2019, 55, 9355-9358.	4.1	38
70	Sulfur-centred polyoxoniobate-based 3D organic-inorganic hybrid compound and its magnetic behavior. <i>Chemical Communications</i> , 2016, 52, 10846-10849.	4.1	37
71	Synthesis and Structural Characterization of the Helical Coordination Polymers		

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73	A Cost-Effective Semi-Ab Initio Approach to Model Relaxation in Rare-Earth Single-Molecule Magnets. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8826-8832.	4.6	35
74	Magnetic relaxations in four-coordinate Dy(III) complexes: effects of anionic surroundings and short Dy–O bonds. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1028-1034.	6.0	34
75	Piperidine-induced Switching of the direct band gaps of Ag(I)/Bi(III) bimetallic iodide double perovskites. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5349-5354.	5.5	34
76	Wells–Dawson Cages as Molecular Refrigerants. <i>Inorganic Chemistry</i> , 2013, 52, 13702-13707.	4.0	33
77	Template effects in Cu(I)–Bi(III) iodide double perovskites: a study of crystal structure, film orientation, band gap and photocurrent response. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7288-7296.	10.3	33
78	Single-Molecule Toric Design through Magnetic Exchange Coupling. <i>Matter</i> , 2020, 2, 1481-1493.	10.0	32
79	The role of $\pi$ – $\pi$ stacking in stabilizing a, a-trans-cyclohexane-1,4-dicarboxylate in a 2D Co(II) network. <i>CrystEngComm</i> , 2010, 12, 1057-1059.	2.6	31
80	Filling the Missing Links of $M_{3n}$ Prototype 3d-4f and 4f Cyclic Coordination Cages: Syntheses, Structures, and Magnetic Properties of the $Ni_{10}Ln_5$ and the $Er_{3n}$ Wheels. <i>Inorganic Chemistry</i> , 2017, 56, 12821-12829.	4.0	31
81	Growth of centimeter-sized $[(CH_3)_2NH][Mn(HCOO)_3]$ hybrid formate perovskite single crystals and Raman evidence of pressure-induced phase transitions. <i>New Journal of Chemistry</i> , 2017, 41, 151-159.	2.8	31
82	Field and dilution effects on the magnetic relaxation behaviours of a 1D dysprosium(III)-carboxylate chain built from chiral ligands. <i>Dalton Transactions</i> , 2015, 44, 13480-13484.	3.3	30
83	High-performance low-temperature magnetic refrigerants made of gadolinium-hydroxy-chloride. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6473-6477.	5.5	30
84	A tetranuclear cobalt(II) chain with slow magnetization relaxation. <i>Dalton Transactions</i> , 2010, 39, 10827.	3.3	29
85	Two-Dimensional Silver(I)-Dithiocarboxylate Coordination Polymer Exhibiting Strong Near-Infrared Photothermal Effect. <i>Inorganic Chemistry</i> , 2019, 58, 6601-6608.	4.0	28
86	Dy(III)-Carboxylate chain containing quasi-D5h sites exhibits enhanced energy barrier for magnetization reversal. <i>Dalton Transactions</i> , 2017, 46, 3100-3104.	3.3	27
87	Effect of ligand substitution on the SMM properties of three isostructural families of double-cubane $Mn_4Ln_2$ coordination clusters. <i>Dalton Transactions</i> , 2018, 47, 3485-3495.	3.3	27
88	Understanding a pentagonal-bipyramidal holmium(III) complex with a record energy barrier for magnetisation reversal. <i>Chemical Communications</i> , 2020, 56, 3979-3982.	4.1	27
89	Air stable high-spin blatter diradicals: non-Kekulé versus Kekulé structures. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6559-6563.	5.5	26
90	Ligand Fluorination to Mitigate the Raman Relaxation of Dy(III) Single-Molecule Magnets: A Combined Terahertz, Far-IR and Vibronic Barrier Model Study. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24

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91	Copper Lanthanide Phosphonate Cages: Highly Symmetric $\{Cu_3Ln_9P_6\}$ and $\{Cu_6Ln_6P_6\}$ Clusters with $C_{3v}$ and $D_{3h}$ Symmetry. <i>Inorganic Chemistry</i> , 2015, 54, 6331-6337.	4.0	20
92	Correlating magnetic anisotropy with the subtle coordination geometry variation of a series of cobalt( $ii$ )-sulfonamide complexes. <i>Dalton Transactions</i> , 2019, 48, 15419-15426.	3.3	20
93	Phosphonates as ligands in $Co^{II}Cr$ heterometallic clusters. <i>Dalton Transactions</i> , 2010, 39, 6175.	3.3	19
94	Nanoporous metal-organic framework comprising of 1D cobalt oxalate chains and flexible ligands exhibiting both dynamic gas adsorption and antiferromagnetic chain behaviours. <i>CrystEngComm</i> , 2010, 12, 2225.	2.6	19
95	Cobalt(II) Magnetic Metal-Organic Framework with an Effective Kagomé Lattice, Large Surface Area, and High Spin-Canted Ordering Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 38181-38186.	8.0	19
96	Terbium-fluorido cluster: an energy cage for photoluminescence. <i>Chemical Communications</i> , 2020, 56, 9130-9133.	4.1	19
97	Metallacrowns as Templates for Diabolical-like $\{LnCu_8\}$ Complexes with Nearly Perfect Square Antiprismatic Geometry. <i>Chemistry - A European Journal</i> , 2017, 23, 15617-15622.	3.3	18
98	Dynamic magnetism of an iron( $ii$ )-chlorido spin chain and its hexametallallic segment. <i>Dalton Transactions</i> , 2015, 44, 1456-1464.	3.3	16
99	Structural evolution and magnetic properties of a series of coordination polymers featuring dinuclear secondary-building units and adamantane-dicarboxylato ligands. <i>Polyhedron</i> , 2013, 52, 1159-1168.	2.2	14
100	A stable dysprosium( $iii$ ) complex with a terminal fluoride ligand showing high resolution luminescence and slow magnetic relaxation. <i>Dalton Transactions</i> , 2020, 49, 6969-6973.	3.3	14
101	Methods and Models of Theoretical Calculation for Single-Molecule Magnets. <i>Magnetochemistry</i> , 2021, 7, 107.	2.4	14
102	Rationalization of single-molecule magnet behavior in a three-coordinate $Fe^{iii}$ complex with a high-spin state ( $S = 5/2$ ). <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2486-2492.	6.0	13
103	Superposition of conventional and spontaneous exchange bias in a $Ni_{50}Mn_{34}In_{13}Fe_3$ magnetic shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2019, 772, 988-993.	5.5	13
104	Rigid Amine-Induced Pseudo-3D Lead-Free Bismuth Halide Perovskite with an Improved Band Edge for Visible-Light Absorption. <i>ChemSusChem</i> , 2020, 13, 2753-2760.	6.8	13
105	Rigid Dysprosium( $III$ ) Single-Molecule Magnets Exhibit Preserved Superparamagnetism in Solution. <i>Chinese Journal of Chemistry</i> , 2022, 40, 563-570.	4.9	13
106	Studies of the Temperature Dependence of the Structure and Magnetism of a Hexagonal-Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2022, 61, 227-235.	4.0	13
107	Polymeric Perturbation to the Magnetic Relaxations of the $C_{2v}$ -Symmetric $[Er(Cp)_2(OBu)_2]^{+}$ Anion. <i>Inorganic Chemistry</i> , 2015, 54, 4588-4590.	4.0	12
108	Hydrophobicity-Driven Self-Assembly of an Eighteen-Membered Honeycomb Lattice with Almost Classical Spins. <i>Chemistry - A European Journal</i> , 2016, 22, 14846-14850.	3.3	12

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109	Copper(I)/II-redox triggered efficient and green rare-earth separation using a heterometallic metal-organic framework. <i>Green Chemistry</i> , 2017, 19, 1250-1254.	9.0	12
110	An Ising iron(II) chain exhibits a large finite-size energy barrier and a hard magnetic behaviour. <i>Dalton Transactions</i> , 2017, 46, 1449-1454.	3.3	12
111	Pseudotetrahedral cobalt(II) complexes with PNP-ligands showing uniaxial magnetic anisotropy. <i>Dalton Transactions</i> , 2018, 47, 8874-8878.	3.3	12
112	Magnetic Anisotropy: Structural Correlation of a Series of Chromium(II) Amidinate Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 1344-1351.	4.0	12
113	Anisotropic magnetocaloric effect in a dysprosium(III) single-molecule magnet – Commemorating the 100th anniversary of the birth of Academician Guangxian Xu. <i>Journal of Rare Earths</i> , 2021, 39, 1554-1559.	4.8	12
114	Solvothermal preparation of iron phosphonate cages. <i>Science China Chemistry</i> , 2012, 55, 910-913.	8.2	11
115	Low-lying magnetic excitations and magnetocaloric effect of molecular magnet $K_6[V_{15}As_6O_{42}(H_2O)_2] \cdot 11H_2O$ . <i>Journal of Inorganic Chemistry</i> , 2011, 11, 7843-7848.	11.0	14
116	Tetraanionic arachno-carboranyl Ligand Imparts Strong Axiality to Terbium(III) Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
117	Assembly of alternating spin-chains with magnetically anisotropic cobalt(II) dimers. <i>Dalton Transactions</i> , 2013, 42, 1770-1777.	3.3	10
118	Lanthanide Clusters Toward Single-Molecule Magnets. <i>Structure and Bonding</i> , 2016, , 209-314.	1.0	10
119	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Heterospin Ring. <i>Angewandte Chemie</i> , 2017, 129, 16798-16801.	2.0	10
120	A spin-frustrated cobalt(II) carbonate pyrochlore network. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, i56-i58.	0.4	9
121	High Quality Ultrathin Lanthanide Selenide Nanostructures with Dual Modal Functionalities. <i>Chemistry of Materials</i> , 2016, 28, 2507-2510.	6.7	9
122	Construction of magnet-type coordination polymers using high-spin $\{Ni_4\}$ -citrate cubane as secondary building units. <i>Dalton Transactions</i> , 2016, 45, 10798-10806.	3.3	9
123	Observation of allylic rearrangement in water-rich reaction. <i>Chemical Communications</i> , 2014, 50, 2910-2912.	4.1	8
124	Two porous Co(II) bithiophenedicarboxylate metal-organic frameworks: from a self-interpenetrating framework to a two-fold interpenetrating 1±-Po topological network. <i>RSC Advances</i> , 2014, 4, 5740.	3.6	8
125	Self-assembly of linear $[MnII_2MnIII]$ units with end-on azido bridges: the construction of a ferromagnetic chain using $ST = 7$ high-spin trimers. <i>Dalton Transactions</i> , 2015, 44, 5205-5210.	3.3	8
126	Ferromagnetism in polynuclear systems based on non-linear $[MnII_2MnIII]$ building blocks. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1272-1279.	6.0	8



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127	Low-temperature spin dynamics of ferromagnetic molecular ring {Cr <sub>8</sub> Y <sub>8</sub> }. Npj Quantum Materials, 2020, 5, .	5.2	8
128	Equatorial coordination optimization for enhanced axiality of mononuclear Dy(III) single-molecule magnets. Dalton Transactions, 2020, 49, 3222-3227.	3.3	8
129	Unusual assembly of lacunary heteropolymolybdates with cyanometalate fragment. Dalton Transactions, 2014, 43, 16147-16151.	3.3	7
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162	Frontispiz: Tetraanionic <i>i&gt;arachno&lt;/i&gt;-Carboranyl Ligand Imparts Strong Axiality to Terbium(III) Single-Molecule Magnets. Angewandte Chemie, 2022, 134, .</i>	2.0	0