Yan-Zhen Zheng

List of Publications by Year
in descending order

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	Switching the coordination geometry to enhance erbium(III) single-molecule magnets. Chinese Chemical Letters, 2023, 34, 107547.	9.0	6
2	Rigid Dysprosium(<scp>III</scp>) <scp>Single–Molecule</scp> Magnets Exhibit Preserved Superparamagnetism in Solution. Chinese Journal of Chemistry, 2022, 40, 563-570.	4.9	13
3	Studies of the Temperature Dependence of the Structure and Magnetism of a Hexagonal-Bipyramidal Dysprosium(III) Single-Molecule Magnet. Inorganic Chemistry, 2022, 61, 227-235.	4.0	13
4	Tetraanionicarachno–Carboranyl Ligand Imparts Strong Axiality to Terbium(III) Single–Molecule Magnets. Angewandte Chemie - International Edition, 2022, 61, .	13.8	11
5	A C,S bonded quasi-two-coordinate chromium(<scp>ii</scp>) complex showing field-induced slow magnetic relaxation behaviour. Dalton Transactions, 2022, 51, 9218-9222.	3.3	5
6	Ligand Fluorination to Mitigate the Raman Relaxation of Dy^{III} Single–Molecule Magnets: A Combined Terahertz, Far–IR and Vibronic Barrier Model Study. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
7	Ligand Fluorination to Mitigate the Raman Relaxation of Dy^{III} Single–Molecule Magnets: A Combined Terahertz, Far–IR and Vibronic Barrier Model Study. Angewandte Chemie, 2022, 134, .	2.0	4
8	Semiconductivity and high stability in centimetric two-dimensional bismuth–silver hybrid double perovskites. Materials Chemistry Frontiers, 2022, 6, 2135-2142.	5.9	3
9	Frontispiece: Tetraanionic arachno–Carboranyl Ligand Imparts Strong Axiality to Terbium(III) Single–Molecule Magnets. Angewandte Chemie - International Edition, 2022, 61, .	13.8	0
10	Frontispiz: Tetraanionic arachno–Carboranyl Ligand Imparts Strong Axiality to Terbium(III) Single–Molecule Magnets. Angewandte Chemie, 2022, 134, .	2.0	0
11	Hendecanuclear [Cu6Gd5] magnetic cooler with high molecular symmetry of D3h. Chinese Chemical Letters, 2021, 32, 838-841.	9.0	5
12	Reentrant Spin Glass and Large Coercive Field Observed in a Spin Integer Dimerized Honeycomb Lattice. Advanced Functional Materials, 2021, 31, .	14.9	2
13	A Local D_{4h} Symmetric Dysprosium(III) Single–Molecule Magnet with an Energy Barrier Exceeding 2000–K**. Chemistry - A European Journal, 2021, 27, 2623-2627.	3.3	66
14	Dodecanuclear {Co10Ln2} metallorings. Inorganica Chimica Acta, 2021, 516, 120112.	2.4	1
15	Coupling an organic photosensitizer and an inorganic framework into a single-phase material that shows visible-light photocurrent response. CrystEngComm, 2021, 23, 1881-1884.	2.6	0
16	Vibronic barrier effect of magnetic relaxation in single-molecule magnets. Journal of Materials Chemistry C, 2021, 9, 8096-8098.	5.5	3
17	Magnetic Anisotropy: Structural Correlation of a Series of Chromium(II)–Amidinate Complexes. Inorganic Chemistry, 2021, 60, 1344-1351.	4.0	12
18	Anisotropic magnetocaloric effect in a dysprosium(III) single-molecule magnet – Commemorating the 100th anniversary of the birth of Academician Guangxian Xu. Journal of Rare Earths, 2021, 39, 1554-1559.	4.8	12

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19	Experimental Protection of the Spin Coherence of a Molecular Qubit Exceeding a Millisecond. Chinese Physics Letters, 2021, 38, 030303.	3.3	6
20	A giant spin molecule with ninety-six parallel unpaired electrons. IScience, 2021, 24, 102350.	4.1	7
21	Chelating Guanidinates for Dysprosium(<scp>III</scp>) <scp>Singleâ€Molecule</scp> Magnets^{â€}. Chinese Journal of Chemistry, 2021, 39, 1635-1640.	4.9	7
22	A study of cation-dependent inverse hydrogen bonds and magnetic exchange-couplings in lanthanacarborane complexes. IScience, 2021, 24, 102760.	4.1	7
23	Methods and Models of Theoretical Calculation for Single-Molecule Magnets. Magnetochemistry, 2021, 7, 107.	2.4	14
24	Switching the Local Symmetry from D5h to D4h for Single-Molecule Magnets by Non-Coordinating Solvents. Inorganics, 2021, 9, 64.	2.7	2
25	A Cost-Effective Semi-Ab Initio Approach to Model Relaxation in Rare-Earth Single-Molecule Magnets. Journal of Physical Chemistry Letters, 2021, 12, 8826-8832.	4.6	35
26	Two-dimensional semiconducting Cs(<scp>i</scp>)/Bi(<scp>iii</scp>) bimetallic iodide hybrids for light detection. Materials Chemistry Frontiers, 2021, 5, 973-978.	5.9	4
27	Stable two-dimensional lead iodide hybrid materials for light detection and broadband photoluminescence. Materials Chemistry Frontiers, 2021, 6, 71-77.	5.9	1
28	Highly Emissive Perylene Diimide-Based Metallacages and Their Hostâ€“Guest Chemistry for Information Encryption. Journal of the American Chemical Society, 2020, 142, 18763-18768.	13.7	114
29	Low-temperature spin dynamics of ferromagnetic molecular ring {Cr8Y8}. Npj Quantum Materials, 2020, 5, .	5.2	8
30	Spinâ€Glassâ€Like Freezing Behavior and Magnetic Anisotropy in GdVO₄ Single Crystal. Crystal Research and Technology, 2020, 55, 2000034.	1.3	0
31	Breaking the axiality of pentagonalâ€“bipyramidal dysprosium(<scp>iii</scp>) single-molecule magnets with pyrazolate ligands. Inorganic Chemistry Frontiers, 2020, 7, 4367-4376.	6.0	7
32	Constructing [CoII6] hexagon-centered heterometallic {Ln₆Co₆} (Ln = Y, Eu) Tj ETQq0 0 0 rgBT /Overlock 10	6.0	7
33	A stable dysprosium(<scp>iii</scp>) complex with a terminal fluoride ligand showing high resolution luminescence and slow magnetic relaxation. Dalton Transactions, 2020, 49, 6969-6973.	3.3	14
34	Dimerized p-Semiquinone Radical Anions Stabilized by a Pair of Rare-Earth Metal Ions. Inorganic Chemistry, 2020, 59, 7371-7375.	4.0	7
35	Enhancing Magnetic Hysteresis in Single-Molecule Magnets by Ligand Functionalization. CheM, 2020, 6, 1777-1793.	11.7	103
36	Piperidine-induced Switching of the direct band gaps of Ag(<scp>i</scp>)/Bi(<scp>iii</scp>) bimetallic iodide double perovskites. Journal of Materials Chemistry C, 2020, 8, 5349-5354.	5.5	34

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37	Template effects in Cu(<scp>i</scp>)â€“Bi(<scp>iii</scp>) iodide double perovskites: a study of crystal structure, film orientation, band gap and photocurrent response. Journal of Materials Chemistry A, 2020, 8, 7288-7296.	10.3	33
38	Terbium-fluorido cluster: an energy cage for photoluminescence. Chemical Communications, 2020, 56, 9130-9133.	4.1	19
39	The Gigantic {Ni₃₆Gd₁₀₂} Hexagon: A Sulfate-Templated â€œStar-of-Davidâ€•for Photocatalytic CO₂ Reduction and Magnetic Cooling. Journal of the American Chemical Society, 2020, 142, 4663-4670.	13.7	99
40	Exchangeâ€Biasing in a Dinuclear Dysprosium(III) Singleâ€Molecule Magnet with a Large Energy Barrier for Magnetisation Reversal. Chemistry - A European Journal, 2020, 26, 6773-6777.	3.3	41
41	Understanding a pentagonal-bipyramidal holmium(<scp>iii</scp>) complex with a record energy barrier for magnetisation reversal. Chemical Communications, 2020, 56, 3979-3982.	4.1	27
42	A Study of Magnetic Relaxation in Dysprosium(III) Singleâ€Molecule Magnets. Chemistry - A European Journal, 2020, 26, 5893-5902.	3.3	108
43	Dysprosiacarboranes as Organometallic Singleâ€Molecule Magnets. Angewandte Chemie - International Edition, 2020, 59, 9350-9354.	13.8	41
44	Dysprosiacarboranes as Organometallic Singleâ€Molecule Magnets. Angewandte Chemie, 2020, 132, 9436-9440.	2.0	6
45	Rigid Amineâ€Induced Pseudoâ€3â€‰D Leadâ€Free Bismuth Halide Perovskite with an Improved Band Edge for Visibleâ€Light Absorption. ChemSusChem, 2020, 13, 2753-2760.	6.8	13
46	Single-Molecule Toroic Design through Magnetic Exchange Coupling. Matter, 2020, 2, 1481-1493.	10.0	32
47	Equatorial coordination optimization for enhanced axiality of mononuclear Dy(<scp>iii</scp>) single-molecule magnets. Dalton Transactions, 2020, 49, 3222-3227.	3.3	8
48	Proton Transportation Behavior in Lanthanide Tartrate Metal-Organic Frameworks. European Journal of Inorganic Chemistry, 2019, 2019, 3424-3429.	2.0	5
49	An imido ligand significantly enhances the effective energy barrier of dysprosium(iii) single-molecule magnets. Chemical Communications, 2019, 55, 9355-9358.	4.1	38
50	Two-dimensional lead-free iodide-based hybrid double perovskites: crystal growth, thin-film preparation and photocurrent responses. Journal of Materials Chemistry A, 2019, 7, 19662-19667.	10.3	85
51	Airâ€Stable Hexagonal Bipyramidal Dysprosium(III) Singleâ€Ion Magnets with Nearly Perfect D_{6h} Local Symmetry. Chemistry - A European Journal, 2019, 25, 16219-16224.	3.3	99
52	Air stable high-spin blatter diradicals: non-KekulÃ© versus KekulÃ© structures. Journal of Materials Chemistry C, 2019, 7, 6559-6563.	5.5	26
53	A dichlorido-bridged dinuclear Dy(<scp>iii</scp>) single-molecule magnet with an effective energy barrier larger than 600 K. Chemical Communications, 2019, 55, 7930-7933.	4.1	43
54	An anionic manganese(ii) metalâ€“organic framework for uranyl adsorption. CrystEngComm, 2019, 21, 3901-3905.	2.6	7

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55	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium(<scp>iii</scp>) single molecule magnets. Dalton Transactions, 2019, 48, 8541-8545.	3.3	71
56	Two-Dimensional Silver(I)-Dithiocarboxylate Coordination Polymer Exhibiting Strong Near-Infrared Photothermal Effect. Inorganic Chemistry, 2019, 58, 6601-6608.	4.0	28
57	Correlating magnetic anisotropy with the subtle coordination geometry variation of a series of cobalt(<scp>ii</scp>)-sulfonamide complexes. Dalton Transactions, 2019, 48, 15419-15426.	3.3	20
58	Superposition of conventional and spontaneous exchange bias in a Ni50Mn34In13Fe3 magnetic shape memory alloy. Journal of Alloys and Compounds, 2019, 772, 988-993.	5.5	13
59	Redox-Active Cobalt(II/III) Metalâ€“Organic Framework for Selective Oxidation of Cyclohexene. ACS Applied Materials & Interfaces, 2018, 10, 15786-15792.	8.0	35
60	Effect of ligand substitution on the SMM properties of three isostructural families of double-cubane Mn₄Ln₂ coordination clusters. Dalton Transactions, 2018, 47, 3485-3495.	3.3	27
61	Quantum Monte Carlo simulations of a giant {Ni21Gd20} cage with a Sâ€‰=â€‰91 spin ground state. Nature Communications, 2018, 9, 2107.	12.8	55
62	A Multifunctional Lanthanide Carbonate Cluster Based Metalâ€“Organic Framework Exhibits High Proton Transport and Magnetic Entropy Change. Inorganic Chemistry, 2018, 57, 9020-9027.	4.0	47
63	â€œMerged-chelatingâ€•approach for constructing high-spin Mn aggregate: A [MnIII2] dimer and a 2-D honeycomb network based on star-shaped [MnIIMnIII3] tetramer. Polyhedron, 2018, 148, 44-48.	2.2	3
64	Rationalization of single-molecule magnet behavior in a three-coordinate Fe(<scp>iii</scp>) complex with a high-spin state (S= 5/2). Inorganic Chemistry Frontiers, 2018, 5, 2486-2492.	6.0	13
65	Field- and temperature-dependent quantum tunnelling of the magnetisation in a large barrier single-molecule magnet. Nature Communications, 2018, 9, 3134.	12.8	170
66	Pseudotetrahedral cobalt(<scp>ii</scp>) complexes with PNP-ligands showing uniaxial magnetic anisotropy. Dalton Transactions, 2018, 47, 8874-8878.	3.3	12
67	Copper(<scp>i</scp>)/(<scp>ii</scp>)-redox triggered efficient and green rare-earth separation using a heterometallic metalâ€“organic framework. Green Chemistry, 2017, 19, 1250-1254.	9.0	12
68	Direct Observation of Confined I^{â˜}â‹…â‹…â‹…I₂â‹…â‹…â‹…I^{â˜} Interactions in a Metalâ€“Organic Framework: Iodine Capture and Sensing. Chemistry - A European Journal, 2017, 23, 8409-8413.	3.3	64
69	On balancing the QTM and the direct relaxation processes in single-ion magnets â€“ the importance of symmetry control. Inorganic Chemistry Frontiers, 2017, 4, 1141-1148.	6.0	49
70	An Ising iron(<scp>ii</scp>) chain exhibits a large finite-size energy barrier and â€œhardâ€•magnetic behaviour. Dalton Transactions, 2017, 46, 1449-1454.	3.3	12
71	Dy(iii)-Carboxylate chain containing quasi-D5h sites exhibits enhanced energy barrier for magnetization reversal. Dalton Transactions, 2017, 46, 3100-3104.	3.3	27
72	Quantum Monte Carlo Simulations and Highâ€Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Heteroâ€Spin Ring. Angewandte Chemie - International Edition, 2017, 56, 16571-16574.	13.8	52

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73	Filling the Missing Links of M_{3n} Prototype 3d-4f and 4f Cyclic Coordination Cages: Syntheses, Structures, and Magnetic Properties of the Ni₁₀Ln₅ and the Er_{3n} Wheels. Inorganic Chemistry, 2017, 56, 12821-12829.	4.0	31
74	Topological Self-Assembly of Highly Symmetric Lanthanide Clusters: A Magnetic Study of Exchange-Coupling â€œFingerprintsâ€•in Giant Gadolinium(III) Cages. Journal of the American Chemical Society, 2017, 139, 16405-16411.	13.7	74
75	Cobalt(II) Magnetic Metalâ€“Organic Framework with an Effective KagomÃ© Lattice, Large Surface Area, and High Spin-Canted Ordering Temperature. ACS Applied Materials & Interfaces, 2017, 9, 38181-38186.	8.0	19
76	Metallacrowns as Templates for Diaboloâ€like {LnCu₈} Complexes with Nearly Perfect Square Antiprismatic Geometry. Chemistry - A European Journal, 2017, 23, 15617-15622.	3.3	18
77	Quantum Monte Carlo Simulations and Highâ€Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Heteroâ€Spin Ring. Angewandte Chemie, 2017, 129, 16798-16801.	2.0	10
78	Structure Tunable Organicâ€“Inorganic Bismuth Halides for an Enhanced Two-Dimensional Lead-Free Light-Harvesting Material. Chemistry of Materials, 2017, 29, 5463-5467.	6.7	68
79	Growth of centimeter-sized [(CH₃)₂NH₂][Mn(HCOO)₃] hybrid formate perovskite single crystals and Raman evidence of pressure-induced phase transitions. New Journal of Chemistry, 2017, 41, 151-159.	2.8	31
80	The Rise of Single-Ion Magnets as Spin Qubits. Magnetochemistry, 2016, 2, 40.	2.4	61
81	High Quality Ultrathin Lanthanide Selenide Nanostructures with Dual Modal Functionalities. Chemistry of Materials, 2016, 28, 2507-2510.	6.7	9
82	An alkali-ion insertion approach to structurally transform metalâ€“organic frameworks. CrystEngComm, 2016, 18, 7680-7684.	2.6	7
83	Lanthanide Clusters Toward Single-Molecule Magnets. Structure and Bonding, 2016, , 209-314.	1.0	10
84	Large Easyâ€Plane Magnetic Anisotropy in a Threeâ€Coordinate Cobalt(II) Complex [Li(THF)₄][Co(NPh₂)₃]. Chemistry - A European Journal, 2016, 22, 14821-14825.	3.3	40
85	On Approaching the Limit of Molecular Magnetic Anisotropy: A Nearâ€Perfect Pentagonal Bipyramidal Dysprosium(III) Singleâ€Molecule Magnet. Angewandte Chemie, 2016, 128, 16305-16308.	2.0	121
86	On Approaching the Limit of Molecular Magnetic Anisotropy: A Nearâ€Perfect Pentagonal Bipyramidal Dysprosium(III) Singleâ€Molecule Magnet. Angewandte Chemie - International Edition, 2016, 55, 16071-16074.	13.8	778
87	Magnetic relaxations in four-coordinate Dy(iii) complexes: effects of anionic surroundings and short Dyâ€“O bonds. Inorganic Chemistry Frontiers, 2016, 3, 1028-1034.	6.0	34
88	Ferromagnetism in polynuclear systems based on non-linear [MnII2Mn^{III}] building blocks. Inorganic Chemistry Frontiers, 2016, 3, 1272-1279.	6.0	8
89	A Mixedâ€Ligand Approach for a Gigantic and Hollow Heterometallic Cage {Ni₆₄RE₉₆} for Gas Separation and Magnetic Cooling Applications. Angewandte Chemie - International Edition, 2016, 55, 9375-9379.	13.8	114
90	Sulfur-centred polyoxoniobate-based 3D organicâ€“inorganic hybrid compound and its magnetic behavior. Chemical Communications, 2016, 52, 10846-10849.	4.1	37

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91	A â€œMolecular Water Pipeâ€• A Giant Tubular Cluster {Dy₇₂} Exhibits Fast Proton Transport and Slow Magnetic Relaxation. Advanced Materials, 2016, 28, 10772-10779.	21.0	170
92	Hydrophobicityâ€Driven Selfâ€Assembly of an Eighteenâ€Membered Honeycomb Lattice with Almost Classical Spins. Chemistry - A European Journal, 2016, 22, 14846-14850.	3.3	12
93	Construction of magnet-type coordination polymers using high-spin {Ni₄}-citrate cubane as secondary building units. Dalton Transactions, 2016, 45, 10798-10806.	3.3	9
94	High-performance low-temperature magnetic refrigerants made of gadolinium-hydroxy-chloride. Journal of Materials Chemistry C, 2016, 4, 6473-6477.	5.5	30
95	Syntheses, structures and magnetic properties of a series of mono- and di-nuclear dysprosium(<scp>iii</scp>)-crown-ether complexes: effects of a weak ligand-field and flexible cyclic coordination modes. Inorganic Chemistry Frontiers, 2016, 3, 798-807.	6.0	52
96	Sodalite-like rare-earth carbonates: a study of structural transformation and diluted magnetism. Dalton Transactions, 2016, 45, 1103-1110.	3.3	7
97	Low-lying magnetic excitations and magnetocaloric effect of molecular magnet K 6 [V 15 As 6 O 42 (H 2) Tj ETQq1 1 0.784314 rgBT /	2.0	11
98	Influence of the Metal Ions on the Allylic Rearrangement Reaction of 3,4,5,6â€Tetrahydrophthalic Anhydride. Chinese Journal of Chemistry, 2015, 33, 1347-1352.	4.9	7
99	Dynamic magnetism of an iron(<scp>ii</scp>)-chlorido spin chain and its hexametallic segment. Dalton Transactions, 2015, 44, 1456-1464.	3.3	16
100	Self-assembly of linear [MnII2MnIII] units with end-on azido bridges: the construction of a ferromagnetic chain using ST = 7 high-spin trimers. Dalton Transactions, 2015, 44, 5205-5210.	3.3	8
101	Field and dilution effects on the magnetic relaxation behaviours of a 1D dysprosium(<scp>iii</scp>)-carboxylate chain built from chiral ligands. Dalton Transactions, 2015, 44, 13480-13484.	3.3	30
102	Copper Lanthanide Phosphonate Cages: Highly Symmetric {Cu₃Ln₉P₆} and {Cu₆Ln₆P₆} Clusters with C_{3v} and D_{3h} Symmetry. Inorganic Chemistry, 2015, 54, 6331-6337.	4.0	20
103	Polymeric Perturbation to the Magnetic Relaxations of the C_{2v}-Symmetric [Er(Cp)₂(OBu)₂]^{â^'} Anion. Inorganic Chemistry, 2015, 54, 4588-4590.	4.0	12
104	Uniaxial magnetic anisotropy of square-planar chromium(<scp>ii</scp>) complexes revealed by magnetic and HF-EPR studies. Chemical Communications, 2015, 51, 17688-17691.	4.1	77
105	A bottom-up synthesis of Î±-Fe₂O₃ nanoaggregates and their composites with graphene as high performance anodes in lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 2158-2165.	10.3	45
106	A symbol approach for classification of molecule-based magnetic materials exemplified by coordination polymers of metal carboxylates. Coordination Chemistry Reviews, 2014, 258-259, 1-15.	18.8	198
107	Molecule-based magnetic coolers. Chemical Society Reviews, 2014, 43, 1462-1475.	38.1	514
108	Observation of allylic rearrangement in water-rich reaction. Chemical Communications, 2014, 50, 2910-2912.	4.1	8

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109	Study of a magnetic-cooling material Gd(OH)CO₃. Journal of Materials Chemistry A, 2014, 2, 9851-9858.	10.3	173
110	Unusual assembly of lacunary heteropolymolybdates with cyanometalate fragment. Dalton Transactions, 2014, 43, 16147-16151.	3.3	7
111	Two porous Co(ii) bithiophenedicarboxylate metalâ€“organic frameworks: from a self-interpenetrating framework to a two-fold interpenetrating Î±-Po topological network. RSC Advances, 2014, 4, 5740.	3.6	8
112	Iron Lanthanide Phosphonate Clusters: {Fe₆Ln₆P₆} Wellsâ€"Dawson-like Structures with D₃d</sub> Symmetry. Inorganic Chemistry, 2014, 53, 3032-3038.	4.0	52
113	Switching the anisotropy barrier of a single-ion magnet by symmetry change from quasi-D5h to quasi-Oh. Chemical Science, 2013, 4, 3310.	7.4	469
114	Relaxations in heterolanthanide dinuclear single-molecule magnets. Chemical Communications, 2013, 49, 158-160.	4.1	66
115	Assembly of alternating spin-chains with magnetically anisotropic cobalt(ii) dimers. Dalton Transactions, 2013, 42, 1770-1777.	3.3	10
116	Coexistence of magnetic order and spin-glass-like phase in the pyrochlore antiferromagnet Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>Co(CO<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (xmlns:mml="http	3.3	39
117	xmlns:mml="http://www.w3.org/1998/Mat Molecular amino-phosphonate cobaltâ€"lanthanide clusters. Chemical Communications, 2013, 49, 3522.	4.1	86
118	Structural evolution and magnetic properties of a series of coordination polymers featuring dinuclear secondary-building units and adamantane-dicarboxylato ligands. Polyhedron, 2013, 52, 1159-1168.	2.2	14
119	Wellsâ€"Dawson Cages as Molecular Refrigerants. Inorganic Chemistry, 2013, 52, 13702-13707.	4.0	33
120	Gadolinium(III)â€Hydroxy Ladders Trapped in Succinate Frameworks with Optimized Magnetocaloric Effect. Chemistry - A European Journal, 2013, 19, 13504-13510.	3.3	88
121	3â€‰Dâ€…MOFs Containing Trigonal Bipyramidal Ln₅â€…Clusters as Nodes: Large Magnetocaloric Effect and Slow Magnetic Relaxation Behavior. Chemistry - A European Journal, 2012, 18, 15086-15091.	3.3	125
122	Coâ€"Ln Mixed-Metal Phosphonate Grids and Cages as Molecular Magnetic Refrigerants. Journal of the American Chemical Society, 2012, 134, 1057-1065.	13.7	353
123	Incorporation of spin-5/2 chain into 2D network with conformational pure e,a-cis-cyclohexane-1,4-dicarboxylato linker. Dalton Transactions, 2012, 41, 11989.	3.3	6
124	Mn^{II}â€"Gd^{III} Phosphonate Cages with a Large Magnetocaloric Effect. Chemistry - A European Journal, 2012, 18, 4161-4165.	3.3	135
125	High-Nuclearity 3dâ€"4f Clusters as Enhanced Magnetic Coolers and Molecular Magnets. Journal of the American Chemical Society, 2012, 134, 3314-3317.	13.7	432
126	Solvothermal preparation of iron phosphonate cages. Science China Chemistry, 2012, 55, 910-913.	8.2	11

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127	Coâ€“Gd phosphonate complexes as magnetic refrigerants. Chemical Science, 2011, 2, 99-102.	7.4	234
128	Pentacobalt(<scp>ii</scp>) cluster based pcu network exhibits both magnetic slow-relaxation and hysteresis behaviour. Dalton Transactions, 2011, 40, 27-30.	3.3	51
129	Lanthanide discs chill well and relax slowly. Chemical Communications, 2011, 47, 7650.	4.1	255
130	Symmetry related [DyIII6MnIII12] cores with different magnetic anisotropies. Chemical Science, 2011, 2, 1268.	7.4	108
131	A spin-frustrated cobalt(II) carbonate pyrochlore network. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, i56-i58.	0.4	9
132	Large Magnetocaloric Effect in a Wellsâ€“Dawson Type {Ni₆Gd₆P₆} Cage. Angewandte Chemie - International Edition, 2011, 50, 3692-3695.	13.8	278
133	A tetranuclear cobalt(ii) chain with slow magnetization relaxation. Dalton Transactions, 2010, 39, 10827.	3.3	29
134	Phosphonates as ligands in Coâ€“Cr heterometallic clusters. Dalton Transactions, 2010, 39, 6175.	3.3	19
135	The role of Ï€â€“Ï€ stacking in stabilizing a,a-trans-cyclohexane-1,4-dicarboxylate in a 2D Co(<scp>ii</scp>) network. CrystEngComm, 2010, 12, 1057-1059.	2.6	31
136	Nanoporous metalâ€“organic framework comprising of 1D cobalt oxalate chains and flexible ligands exhibiting both dynamic gas adsorption and antiferromagnetic chain behaviours. CrystEngComm, 2010, 12, 2225.	2.6	19
137	Polymerisation of the Dysprosium Acetate Dimer Switches on Singleâ€Chain Magnetism. Chemistry - A European Journal, 2009, 15, 12566-12570.	3.3	120
138	Family of Heterometallic Semicircular Mn^{III}₂Ln^{III}₃ Strands. Inorganic Chemistry, 2009, 48, 3502-3504.	4.0	83
139	Syntheses, structures and magnetic properties of a family of metal carboxylate polymers viain situ metalâ€“ligand reactions of benzene-1,2,3-tricarboxylic acid. Dalton Transactions, 2009, , 1396.	3.3	70
140	Ferrimagnetic [CoII3(Î¼3-OH)2(RCO2)4] chains embedded in a laminar hybrid material exhibiting single-chain magnet behaviour. Dalton Transactions, 2009, , 1897.	3.3	61
141	Two spin-competing manganese(ii) coordination polymers exhibiting unusual multi-step magnetization jumps. Chemical Communications, 2009, , 3804.	4.1	42
142	Spin-Frustrated Complex, [Fe^{II}Fe^{III}(trans-1,4-cyclohexanedicarboxylate)_{1.5}]_{â^ž}: Interplay between Single-Chain Magnetic Behavior and Magnetic Ordering. Inorganic Chemistry, 2009, 48, 2028-2042.	4.0	61
143	NÃ©el Temperature Enhancement by Increasing the Inâ€plane Magnetic Correlation in Layered Inorganicâ€“Organic Hybrid Materials. Advanced Materials, 2008, 20, 1534-1538.	21.0	40
144	A Two-Dimensional Iron(II) Carboxylate Linear Chain Polymer that Exhibits a Metamagnetic Spin-Canted Antiferromagnetic to Single-Chain Magnetic Transition. Inorganic Chemistry, 2008, 47, 4077-4087.	4.0	116

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