

# Yi-Quan Zhang

## List of Articles by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Modification of slow relaxation of magnetization behavior via substituent change on two neutral mononuclear dysprosium(III) single-molecule magnets. <i>Journal of Rare Earths</i> , 2025, 43, 1901-1908.	6.4	2
2	Construction of an eight-coordinated Dy(III) complex with zero-field slow magnetic relaxation by using an equatorial sexadentate N4O2 donor ligand. <i>Journal of Molecular Structure</i> , 2025, 1322, 140572.	4.1	4
3	The Shastry–Sutherland lattice in two-dimensional magnetic lanthanide metal–organic frameworks. <i>Inorganic Chemistry Frontiers</i> , 2025, 12, 1102-1113.	6.3	0
4	Homochiral Dy <sub>2</sub> zero-field single-molecule magnets derived from axial chiral ligands (R)/(S)-octahydro-1,1'-bi-2-naphthyl phosphate. <i>Dalton Transactions</i> , 2025, 54, 4159-4166.	3.0	5
5	How to Obtain the Blocking Energy Barrier of a Co Adatom on a Single MgO Layer: A Theoretical Exploration. <i>Inorganic Chemistry</i> , 2025, 64, 4209-4212.	4.6	6
6	Chiral Pseudo-D <sub>6h</sub> Dy(III) Single-Molecule Magnet Based on a Hexaaza Macrocyclic. <i>Molecules</i> , 2025, 30, 2043.	4.2	0
7	Coupling Dy <sub>3</sub> toroids in macrocycles. <i>Chemical Communications</i> , 2025, 61, 8751-8754.	3.4	1
8	Magnetic anisotropy of dysprosium encapsulated metallofullerene molecules: a theoretical study. <i>Dalton Transactions</i> , 2025, 54, 12881-12889.	3.0	0
9	Series of Tetrazine-Based Tetranuclear Lanthanide Complexes. <i>Crystal Growth and Design</i> , 2025, 25, 6908-6918.	3.4	2
10	Synthesis, Crystal Structures and Magnetic Properties of Lanthanide Complexes with Rhodamine Benzoyl Hydrazone Ligands. <i>Magnetochemistry</i> , 2025, 11, 68.	2.2	0
11	Slow Magnetic Relaxation and Luminescence in Mononuclear Ln Complexes with Pseudo-mono-axial Ligand Field: Modulation of Magnetic Properties through Variation of an Equatorial Donor Atom. <i>Crystal Growth and Design</i> , 2025, 25, 6963-6971.	3.4	2
12	Two mononuclear chromophore coumarin-based Dy(III) complexes with magnetic relaxation and luminescent properties. <i>Journal of Molecular Structure</i> , 2024, 1302, 137408.	4.1	3
13	Synthesis, crystal structure and magnetic properties of octanuclear Ni <sub>4</sub> Ln <sub>4</sub> complexes constructed using a Schiff base ligand and di-2-pyridyl ketone. <i>New Journal of Chemistry</i> , 2024, 48, 3438-3446.	2.4	9
14	Magnetodielectric Effect in a Triangular Dysprosium Single-Molecule Toroids. <i>Advanced Science</i> , 2024, 11, .	12.6	4
15	Effect of coordinated anions on ferromagnetically coupled Dy <sub>2</sub> zero-field single-molecule magnets. <i>Dalton Transactions</i> , 2024, 53, 6120-6127.	3.0	10
16	Effects of weak intramolecular interactions and distortions from trigonal prismatic coordination on the magnetic properties of zero-field Co(II) single-ion magnets. <i>Inorganic Chemistry Frontiers</i> , 2024, 11, 2648-2660.	6.3	17
17	High-Coordinated Dy <sub>2</sub> Single-Molecule Magnet with an Anisotropy Barrier Exceeding 700 K. <i>Crystal Growth and Design</i> , 2024, 24, 3370-3377.	3.4	18
18	Constructing high axiality mononuclear dysprosium molecular magnets via a regulation-of-co-ligands strategy. <i>Dalton Transactions</i> , 2024, 53, 10982-10990.	3.0	6

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19	Synergism of Light-Induced [4 + 4] Cycloaddition and Electron Transfer Toward Switchable Photoluminescence and Single-Molecule Magnet Behavior in a Dy <sub>4</sub> Cubane. <i>Research</i> , 2024, 7, .	8.0	18
20	Apparently improved energy barrier of Dy( <sup>iii</sup> ) SMMs by adopting the bridging bipyrimidine ligand. <i>CrystEngComm</i> , 2024, 26, 4657-4668.	2.4	3
21	Structures and Single-Molecule Magnet Behavior of Dy <sub>3</sub> and Dy <sub>4</sub> Clusters Constructed by Different Dysprosium(III) Salts. <i>Inorganic Chemistry</i> , 2024, 63, 15667-15678.	4.6	10
22	Dinuclear lanthanide molecular magnetic materials bridged by tetrazine derivatives containing N6 and N8 atom sites display slow magnetic relaxation behavior. <i>CrystEngComm</i> , 2024, 26, 6184-6193.	2.4	1
23	Photocontrollable Magnetism and Photoluminescence in a Binuclear Dysprosium Anthracene Complex. <i>Inorganic Chemistry</i> , 2023, 62, 1864-1874.	4.6	33
24	Dy <sub>3</sub> and Gd <sub>3</sub> Complexes with Dy <sub>3</sub> Exhibiting Field-Induced Single-Molecule Magnet Behaviour. <i>Journal of Molecular Structure</i> , 2023, 1271, 134111.	4.1	7
25	Two monofluoride-bridged Dy(III) dimers with different magnetization dynamics. <i>Chinese Chemical Letters</i> , 2023, 34, 107995.	7.5	17
26	Modulating the structural topologies from star-shape to cross-shape for Co <sup>II</sup> -Dy heterometallic complexes with slow magnetic relaxation behavior. <i>CrystEngComm</i> , 2023, 25, 726-737.	2.4	8
27	From dinuclear to two-dimensional Dy(III) complexes: single crystal $\rightarrow$ single crystal transformation and single-molecule magnetic behavior. <i>Journal of Materials Chemistry C</i> , 2023, 11, 1550-1559.	5.1	12
28	Detailed magnetic properties and theoretical calculation in ferromagnetic coupling Dy(III)-M(II) 3d-4f complexes based on a 1,4,7,10-tetraazacyclododecane derivative. <i>Inorganica Chimica Acta</i> , 2023, 546, 121301.	2.8	7
29	X-ray Triggered Coordination $\rightarrow$ Bond Breakage in Dysprosium $\rightarrow$ Organic Framework and its Impact on Magnetic Properties. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.4	7
30	Design of Heterometallic {Ln(III) $\rightarrow$ MV} (Ln = Dy, Er; M = W, Mo) Molecular Nanomagnets: Protonation Induced Structural Diversification. <i>Crystal Growth and Design</i> , 2023, 23, 450-464.	3.4	7
31	Tetranuclear lanthanide complexes display significant slow magnetic relaxation with an open hysteresis loop and the magnetocaloric effect. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 1501-1510.	6.3	13
32	Ligand Modulation of the Structures and Magnetic Relaxation in Triangular Dy <sub>3</sub> Complexes Based on a Tricompartamental Scaffold. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.4	2
33	How to enhance the effective spin-reversal barriers of two-coordinate Co(II) imido complexes with [CoN] <sup>+</sup> core? a theoretical investigation. <i>New Journal of Chemistry</i> , 2023, 47, 7189-7197.	2.4	0
34	Effect of Subtle Changes on the Slow Relaxation Behavior of Co(II) Ions Based Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2023, 23, 2099-2105.	3.4	10
35	Understanding the Magnetic Relaxation Mechanism in Mixed-Valence Dilanthanide Complexes with Metal $\rightarrow$ Metal Bonding: A Theoretical Investigation. <i>Journal of Physical Chemistry A</i> , 2023, 127, 3088-3095.	2.5	21
36	Influence of lattice water molecules on the magnetization dynamics of binuclear dysprosium(III) compounds: insights from magnetic and ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 11717-11724.	2.7	8

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37	Synergy of Magnetic Anisotropy and Ferromagnetic Interaction Triggering a Dimeric Cr(II) Zero-Field Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2023, 62, 6297-6305.	4.6	5
38	Regulating Magnetic Relaxations of Cyano-Bridged {DyIII MoV} Systems by Tuning the N-Sites in $\beta$ -Diketone Ligands. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.4	3
39	Boosting the mono-axial crystal field in stable high-coordinate Dy(III) single-ion magnets by substitution of the phenoxy axial ligand. <i>Dalton Transactions</i> , 2023, 52, 10465-10471.	3.0	10
40	Alkyl Chains Modulated Magnetization Dynamics of Mononuclear Trigonal Prismatic Coll Complexes. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.4	9
41	Ferromagnetically coupled single-chain magnets exhibiting a magnetic hysteresis of 0.42 Tesla in cyano-bridged FeIII2MII (M = Ni, Fe) coordination polymers. <i>Dalton Transactions</i> , 2023, 52, 15510-15517.	3.0	6
42	Organolanthanide $\beta$ -1- and $\beta$ -5-pyrrolyl half-sandwich compounds: synthesis, structures, and magnetic properties. <i>New Journal of Chemistry</i> , 2023, 47, 15650-15657.	2.4	1
43	Dinuclear and trinuclear cyano-bridged {DyIIIMIV} (M = W, Mo) single-ion magnets supported by pentadentate Schiff-base ligands. <i>CrystEngComm</i> , 2023, 25, 6030-6038.	2.4	3
44	Reversible single-crystal to single-crystal transformation between triangular single-molecule toroids. <i>Dalton Transactions</i> , 2023, 52, 16596-16600.	3.0	4
45	The influence of light on the field-induced magnetization dynamics of two Er(III) coordination polymers with different halogen substituents. <i>Dalton Transactions</i> , 2023, 53, 148-152.	3.0	6
46	Four mononuclear dysprosium complexes with neutral Schiff-base ligands: syntheses, crystal structures and slow magnetic relaxation behavior. <i>Dalton Transactions</i> , 2022, 51, 1415-1422.	3.0	10
47	Slow relaxation of Dy(III) single-ion magnets dominated by the simultaneous binding of chelating ligands in low-symmetry ligand-fields. <i>Dalton Transactions</i> , 2022, 51, 1175-1181.	3.0	5
48	Understanding the magnetic anisotropy for linear sandwich [Er(COT)] <sup>+</sup> -based compounds: a theoretical investigation. <i>Dalton Transactions</i> , 2022, 51, 3295-3303.	3.0	46
49	Magneto-optical Properties of Lanthanide(III) Metal-Organic Frameworks Based on an Iridium(III) Metalloligand. <i>Inorganic Chemistry</i> , 2022, 61, 3097-3102.	4.6	7
50	Largely Enhancing the Blocking Energy Barrier and Temperature of a Linear Cobalt(II) Complex through the Structural Distortion: A Theoretical Exploration. <i>Inorganic Chemistry</i> , 2022, 61, 295-301.	4.6	51
51	Schiff base tetranuclear Zn2Ln2 single-molecule magnets bridged by hydroxamic acid in association with near-infrared luminescence. <i>Dalton Transactions</i> , 2022, 51, 6918-6926.	3.0	11
52	Reversible on/off switching of Dy(III) single-molecule magnets via single-crystal-to-single-crystal transformation. <i>Dalton Transactions</i> , 2022, 51, 6707-6717.	3.0	9
53	Synthesis and structures of fluoride-bridged dysprosium clusters: influence of fluoride ions on magnetic relaxation behaviors. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2336-2342.	6.3	12
54	Tuning the Equatorial Negative Charge in Hexagonal Bipyramidal Dysprosium(III) Single-Ion Magnets to Improve the Magnetic Behavior. <i>Inorganic Chemistry</i> , 2022, 61, 3664-3673.	4.6	31

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55	Hydrogen-Bonded Framework of a Cobalt(II) Complex Showing Superior Stability and Field-Induced Slow Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2022, 61, 3754-3762.	4.6	51
56	Magnetic anisotropy of two tetrahedral Co(ii)-halide complexes with triphenylphosphine ligands. <i>Dalton Transactions</i> , 2022, 51, 7530-7538.	3.0	9
57	Modulation of architectures and magnetic dynamics in pseudotetrahedral cobalt(ii) complexes. <i>Dalton Transactions</i> , 2022, 51, 7673-7680.	3.0	3
58	Slow magnetic relaxation in a trigonal-planar mononuclear Fe(ii) complex. <i>Dalton Transactions</i> , 2022, 51, 8266-8272.	3.0	5
59	A mononuclear nine-coordinated Dy(iii) complex exhibiting field-induced single-ion magnetism behaviour. <i>RSC Advances</i> , 2022, 12, 13992-13998.	4.4	4
60	Single-molecule magnet behaviour in a centrosymmetric dinuclear dysprosium(iii) complex: sequential differentiation of triple relaxation pathways. <i>Dalton Transactions</i> , 2022, 51, 9233-9240.	3.0	8
61	Slow magnetic relaxation in a Dy <sub>3</sub> triangle and a bistrigonal Dy <sub>6</sub> cluster. <i>Dalton Transactions</i> , 2022, 51, 9404-9411.	3.0	11
62	Modulating Two Pairs of Chiral DyIII Enantiomers by Distinct $\hat{\Gamma}^2$ -Diketone Ligands to Show Giant Differences in Single-Ion Magnet Performance and Nonlinear Optical Response. <i>Inorganic Chemistry</i> , 2022, 61, 9283-9294.	4.6	29
63	Terminal-fluoride-coordinated air-stable chiral dysprosium single-molecule magnets. <i>Chemical Communications</i> , 2022, 58, 7638-7641.	3.4	15
64	Impact of Ligand Substituents on the Magnetization Dynamics of Mononuclear DyIII Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2022, 61, 9785-9791.	4.6	30
65	Ferroelectric Single-Molecule Magnet with Toroidal Magnetic Moments. <i>Advanced Science</i> , 2022, 9, .	12.6	17
66	Syntheses, structures, and magnetic properties of the lanthanide complexes of imidazole-substituted nitronyl nitroxide biradicals. <i>Dalton Transactions</i> , 2022, 51, 12362-12372.	3.0	5
67	Advanced Spectroscopic and Computational Studies of a Cobalt(II) Coordination Polymer with Single-Ion-Magnet Properties. <i>Journal of Physical Chemistry C</i> , 2022, 126, 13268-13283.	3.1	9
68	Side-Group Effect on the Slow Relaxations of {Dy <sub>2</sub> } Single-Molecule Magnets with Confined N <sub>2</sub> O <sub>6</sub> Donors. <i>Inorganic Chemistry</i> , 2022, 61, 13133-13142.	4.6	10
69	Polymorphism modulates photoluminescence and magnetic dynamics of mononuclear dysprosium <sup>III</sup> anthracene complexes. <i>Dalton Transactions</i> , 2022, 51, 12026-12030.	3.0	20
70	A new breakthrough in low-coordinate Dy(iii) single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 6061-6066.	6.3	36
71	Self-assembly of fish-bone and grid-like CoII-based single-molecule magnets using dihydrazone ligands with NNN and NNO pockets. <i>Dalton Transactions</i> , 2022, 51, 13928-13937.	3.0	9
72	Series of Benzoquinone-Bridged Dicobalt(II) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2022, 61, 15392-15397.	4.6	11

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73	Pseudo-mono-axial ligand fields that support high energy barriers in triangular dodecahedral Dy(III) single-ion magnets. <i>Chemical Science</i> , 2022, 13, 13231-13240.	7.1	31
74	Solvent Modification of the Structures and Magnetic Properties of a Series of Dysprosium(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2022, 61, 17537-17549.	4.6	15
75	Five-Coordinated Dysprosium Single-Molecule Magnet Functionalized by the SMe Group. <i>Inorganic Chemistry</i> , 2022, 61, 20547-20551.	4.6	10
76	Evolution from a single relaxation process to two-step relaxation processes of Dy <sub>2</sub> single-molecule magnets via the modulations of the terminal solvent ligands. <i>Dalton Transactions</i> , 2021, 50, 217-228.	3.0	14
77	Origin of Magnetic Relaxation Barriers in a Family of Cobalt(II) Radical Single-Chain Magnets: Density Functional Theory and Ab Initio Calculations. <i>Inorganic Chemistry</i> , 2021, 60, 1007-1015.	4.6	9
78	Magnetic anisotropies and slow magnetic relaxation of three tetrahedral tetrakis(pseudohalido)cobalt(II) complexes. <i>New Journal of Chemistry</i> , 2021, 45, 16852-16861.	2.4	7
79	Two C <sub>2v</sub> symmetry dysprosium(III) single-molecule magnets with effective energy barriers over 600 K. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2349-2355.	6.3	27
80	Ligand field and anion-driven structures and magnetic properties of dysprosium complexes. <i>CrystEngComm</i> , 2021, 23, 2825-2834.	2.4	7
81	Tuning magnetic anisotropy via terminal ligands along the Dy-Dy orientation in novel centrosymmetric [Dy <sub>2</sub> ] single molecule magnets. <i>Dalton Transactions</i> , 2021, 50, 568-577.	3.0	26
82	Modulating the slow magnetic relaxation of a mononuclear Dy(III) single-molecule magnet via a magnetic field and dilution effects. <i>CrystEngComm</i> , 2021, 23, 5443-5450.	2.4	8
83	Modulating the relaxation dynamics via structural transition from a dinuclear dysprosium cluster to a nonanuclear cluster. <i>Dalton Transactions</i> , 2021, 50, 12814-12820.	3.0	8
84	Regulating the magnetic dynamics of mononuclear $\beta^2$ -diketone Dy(III) single-molecule magnets through the substitution effect on capping N-donor coligands. <i>Dalton Transactions</i> , 2021, 50, 2102-2111.	3.0	21
85	Acid and alkali-resistant Dy <sub>4</sub> coordination clusters: synthesis, structure and slow magnetic relaxation behaviors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3854-3862.	5.1	25
86	Enhancing the magnetic performance of pyrazine-N-oxide bridged dysprosium chains through controlled variation of ligand coordination modes. <i>Dalton Transactions</i> , 2021, 50, 7048-7055.	3.0	4
87	Slow Magnetic Relaxation in a [Na <sub>2</sub> Dy <sub>4</sub> ] Complex and Coexistence of Multiple Metal Rings. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 740-747.	1.8	2
88	Tuning Magnetic Relaxation in Square-Pyramidal Dysprosium Single-Molecule Magnets Using Apical Alkoxide Ligands. <i>CCS Chemistry</i> , 2021, 3, 388-398.	8.6	50
89	Influence of the Different Types of Auxiliary Noncarboxylate Organic Ligands on the Topologies and Magnetic Relaxation Behavior of Zn-Dy Heterometallic Single Molecule Magnets. <i>Inorganic Chemistry</i> , 2021, 60, 9941-9955.	4.6	33
90	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.	15.0	306

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91	A Dy(III) Fluorescent Single-Molecule Magnet Based on a Rhodamine 6G Ligand. <i>Inorganics</i> , 2021, 9, 51.	2.7	4
92	Optimal Nâ€“Coâ€“N bite angle for enhancing the magnetic anisotropy of zero-field Co(II) single-ion magnets in tetrahedral [N4] coordination environment. <i>Journal of Solid State Chemistry</i> , 2021, 299, 122209.	3.3	12
93	Enhancing the Magnetic Anisotropy in Low-Symmetry Dy-Based Complexes by Tuning the Bond Length. <i>Inorganic Chemistry</i> , 2021, 60, 11419-11428.	4.6	20
94	Homochiral Dysprosium Phosphonate Nanowires: Morphology Control and Magnetic Dynamics. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2648-2658.	3.0	11
95	Reversible Switching of Single-Molecule Magnetic Behaviour by Desorption/Adsorption of Solvent Ligand in a New Dy(III)-Based Metal Organic Framework. <i>Frontiers in Chemistry</i> , 2021, 9, .	3.5	8
96	Manipulation of Molecular Qubits by Isotope Effect on Spin Dynamics. <i>CCS Chemistry</i> , 2021, 3, 2548-2556.	8.6	10
97	Polar Lanthanide Anthracene Complexes Exhibiting Magnetic, Luminescent and Dielectric Properties. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4207-4215.	1.8	5
98	Influence of F-position and solvent on coordination geometry and single ion magnet behavior of Co(ii) complexes. <i>Dalton Transactions</i> , 2021, 50, 13830-13840.	3.0	8
99	The comparative studies on the magnetic relaxation behaviour of the axially-elongated pentagonal-bipyramidal dysprosium and erbium ions in similar one-dimensional chain structures. <i>Dalton Transactions</i> , 2021, 50, 8736-8745.	3.0	13
100	Dysprosiumâ€“dianthracene framework showing thermo-responsive magnetic and luminescence properties. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10749-10758.	5.1	20
101	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.	3.0	11
102	Guest-Induced Switching of a Molecule-Based Magnet in a 3dâ€“4f Heterometallic Cluster-Based Chain Structure. <i>Inorganic Chemistry</i> , 2021, 60, 633-641.	4.6	11
103	Significantly Enhancing the Single-Molecule-Magnet Performance of a Dinuclear Dy(III) Complex by Utilizing an Asymmetric Auxiliary Organic Ligand. <i>Inorganic Chemistry</i> , 2021, 60, 18739-18752.	4.6	49
104	Optimal diamagnetic dilution concentration for suppressing the dipoleâ€“dipole interaction in single-ion magnets. <i>Dalton Transactions</i> , 2020, 49, 2159-2167.	3.0	13
105	Strong intramolecular Dy<sup>III</sup>â€“Dy<sup>III</sup> magnetic couplings up to 15.00 cm<sup>âˆ’1</sup> in phenoxyl-bridged dinuclear 4f complexes. <i>New Journal of Chemistry</i> , 2020, 44, 2083-2090.	2.4	22
106	Modulating magnetic dynamics through tailoring the terminal ligands in Dy<sub>2</sub> single-molecule magnets. <i>Dalton Transactions</i> , 2020, 49, 808-816.	3.0	26
107	Weak exchange coupling effects leading to fast magnetic relaxations in a trinuclear dysprosium single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 447-454.	6.3	21
108	Two Fourâ€“Coordinate and Sevenâ€“Coordinate Co<sup>II</sup> Complexes Based on the Bidentate Ligand 1, 8â€“Naphthyridine Showing Slow Magnetic Relaxation Behavior. <i>Chemistry - an Asian Journal</i> , 2020, 15, 279-286.	3.0	15

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109	DyIII single-molecule magnets from ligands incorporating both amine and acylhydrazine Schiff base groups: the centrosymmetric {Dy <sub>2</sub> } displaying dual magnetic relaxation behaviors. Dalton Transactions, 2020, 49, 15739-15749.	3.0	20
110	Magnetic anisotropy in square pyramidal cobalt(ii) complexes supported by a tetraazo macrocyclic ligand. Dalton Transactions, 2020, 49, 14837-14846.	3.0	20
111	Why lanthanide ErIII SIMs cannot possess huge energy barriers: a theoretical investigation. Dalton Transactions, 2020, 49, 14576-14583.	3.0	73
112	Substituent effects of auxiliary ligands in mononuclear dibenzoylmethane DyIII/ErIII complexes: single-molecule magnetic behavior and luminescence properties. CrystEngComm, 2020, 22, 7929-7934.	2.4	6
113	Structurally modulated single-ion magnets of mononuclear 1,2-diketone dysprosium(iii) complexes. Dalton Transactions, 2020, 49, 14931-14940.	3.0	21
114	Synergistic effect of mixed ligands on the anisotropy axis of two dinuclear dysprosium complexes. Dalton Transactions, 2020, 49, 10594-10602.	3.0	13
115	Understanding the near-infrared fluorescence and field-induced single-molecule-magnetic properties of dinuclear and one-dimensional-chain ytterbium complexes based on 2-hydroxy-3-methoxybenzoic acid. Inorganic Chemistry Frontiers, 2020, 7, 3136-3145.	6.3	21
116	Rationally Designing Metal-Organic Frameworks Based on [Ln <sub>2</sub> ] Magnetic Building Blocks Utilizing 2-Hydroxyisophthalate and Fine-Tuning the Magnetic Properties of Dy Analogues by Terminal Coordinated Solvents. Inorganic Chemistry, 2020, 59, 16924-16935.	4.6	15
117	Lanthanide Metal-Organic Frameworks Assembled from Unexplored Imidazolylcarboxylic Acid: Structure and Field-Induced Two-Step Magnetic Relaxation. Inorganic Chemistry, 2020, 59, 11930-11934.	4.6	25
118	Incorporating Trigonal-Prismatic Cobalt(II) Blocks into an Exchange-Coupled [Co <sub>2</sub> Cu] System. Inorganic Chemistry, 2020, 59, 10389-10394.	4.6	11
119	Assembling two Dy <sub>2</sub> single-molecule magnets with different energy barriers via fine-tuning the geometries of DyIII sites. New Journal of Chemistry, 2020, 44, 20634-20642.	2.4	2
120	Switchable slow relaxation of magnetization in photochromic dysprosium(iii) complexes manipulated by a dithienylethene ligand. New Journal of Chemistry, 2020, 44, 20129-20136.	2.4	10
121	Macrocyclic supported dimetallic lanthanide complexes with slow magnetic relaxation in Dy <sub>2</sub> analogues. Dalton Transactions, 2020, 49, 14169-14179.	3.0	36
122	A series of lanthanide(iii) metal-organic frameworks derived from a pyridyl-dicarboxylate ligand: single-molecule magnet behaviour and luminescence properties. Dalton Transactions, 2020, 49, 14123-14132.	3.0	25
123	Magnetic field and dilution effects on the slow relaxation of {Er <sub>3</sub> } triangle-based arsenotungstate single-molecule magnets. Dalton Transactions, 2020, 49, 12458-12465.	3.0	18
124	Designing asymmetric Dy <sub>2</sub> single-molecule magnets with two-step relaxation processes by the modification of the coordination environments of Dy(iii) ions. Dalton Transactions, 2020, 49, 8976-8984.	3.0	14
125	Four Dinuclear and One-Dimensional-Chain Dysprosium and Terbium Complexes Based on 2-Hydroxy-3-methoxybenzoic Acid: Structures, Fluorescence, Single-Molecule-Magnet, and Ab Initio Investigation. Inorganic Chemistry, 2020, 59, 4414-4423.	4.6	38
126	Tuning Magnetic Anisotropy in a Class of Co(II) Bis(hexafluoroacetylacetonate) Complexes. Chemistry - an Asian Journal, 2020, 15, 1469-1477.	3.0	15

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127	Controlling Electron Spin Decoherence in Nd-based Complexes via Symmetry Selection. <i>IScience</i> , 2020, 23, 100926.	3.6	12
128	A Trinuclear Zinc Coordination Cluster Exhibiting Fluorescence, Colorimetric Sensitivity, and Recycling of Silver Ion and Detection of Cupric Ion. <i>Inorganic Chemistry</i> , 2020, 59, 2833-2842.	4.6	27
129	Tuning the Single-Molecule Magnetism of Dysprosium Complexes by a Redox-Noninnocent Diborane Ligand. <i>Organometallics</i> , 2020, 39, 4143-4148.	2.9	14
130	Structural Modulation of Fluorescent Rhodamine-Based Dysprosium(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2020, 59, 2308-2315.	4.6	21
131	Unprecedented one-dimensional chain and two-dimensional network dysprosium(iii) single-molecule toroids with white-light emission. <i>Chemical Communications</i> , 2020, 56, 2590-2593.	3.4	32
132	A capped trigonal prismatic cobalt(ii) complex as a structural archetype for single-ion magnets. <i>Dalton Transactions</i> , 2020, 49, 2063-2067.	3.0	39
133	Rare CH <sub>3</sub> O <sup>-</sup> /CH <sub>3</sub> CH <sub>2</sub> O <sup>-</sup> -bridged nine-coordinated binuclear Dy(III) single-molecule magnets (SMMs) significantly regulate and enhance the effective energy barriers. <i>CrystEngComm</i> , 2020, 22, 1712-1724.	2.4	9
134	Coercive Fields Above 6 T in Two Cobalt(II)-Radical Chain Compounds. <i>Angewandte Chemie</i> , 2020, 132, 10697-10705.	1.4	6
135	Adducts of Tris(alkyl) Holmium(III) Showing Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2020, 59, 5835-5844.	4.6	25
136	Bulky Schiff-base ligand supported Co(ii) single-ion magnets with zero-field slow magnetic relaxation. <i>Dalton Transactions</i> , 2020, 49, 5798-5802.	3.0	21
137	Coercive Fields Above 6 T in Two Cobalt(II)-Radical Chain Compounds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10610-10618.	14.4	56
138	Observation of field-induced single-ion magnet behavior in a mononuclear Dy(III) complex by co-crystallization of a square-planar Cu(I) complex. <i>Inorganica Chimica Acta</i> , 2020, 510, 119718.	2.8	9
139	Coordination microenvironment perturbed single-ion magnet behavior in a $\beta^2$ -diketone Dy(III) complex. <i>CrystEngComm</i> , 2020, 22, 6856-6863.	2.4	17
140	The differential magnetic relaxation behaviours of slightly distorted triangular dodecahedral dysprosium analogues in a type of cyano-bridged 3d-4f zig-zag chain compounds. <i>Dalton Transactions</i> , 2020, 49, 6867-6875.	3.0	9
141	Double and triple pyridine-N-oxide bridged dinuclear Dysprosium(III) dimers and single-molecule magnetic properties. <i>Journal of Molecular Structure</i> , 2019, 1175, 686-697.	4.1	11
142	Both magnetic relaxation and luminescence of Zn <sub>2</sub> Dy <sub>2</sub> cluster complexes regulated by the bis-imine chain in Schiff base ligands. <i>New Journal of Chemistry</i> , 2019, 43, 14502-14510.	2.4	17
143	Synthesis, crystal structures and magnetic properties of a series of chair-like heterometallic [Fe <sub>4</sub> Ln <sub>2</sub> ] (Ln = Gd <sup>III</sup> , Dy <sup>III</sup> , Ho <sup>III</sup> , and) <i>Tj ETQq1 1 0.084314zgBT /Over</i>		
144	Enhancing single-molecule magnet behaviour through decorating terminal ligands in Dy <sub>2</sub> compounds. <i>Dalton Transactions</i> , 2019, 48, 12622-12631.	3.0	29

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145	Terbium Triangle Bridged by a Triazole Nitronyl Nitroxide Radical with Single-Molecule-Magnet Behavior. <i>Inorganic Chemistry</i> , 2019, 58, 14285-14288.	4.6	21
146	Photochemically Tuned Magnetic Properties in an Erbium(III)-Based Easy-Plane Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2019, 58, 14440-14448.	4.6	27
147	Two Dy(III) Single-Molecule Magnets with Their Performance Tuned by Schiff Base Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 1191-1200.	4.6	57
148	A series of dysprosium-based hydrogen-bonded organic frameworks (Dy <sup>III</sup> -HOFs): thermally triggered off $\uparrow$ on conversion of a single-ion magnet. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2906-2913.	6.3	72
149	Zero-Field Slow Magnetic Relaxation and Hysteresis Loop in Four-Coordinate Co <sup>II</sup> Single-Ion Magnets with Strong Easy-Axis Anisotropy. <i>Inorganic Chemistry</i> , 2019, 58, 12555-12564.	4.6	53
150	Single molecule magnet behaviors of Zn <sub>4</sub> Ln <sub>2</sub> (Ln = Dy <sup>III</sup> ,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 CO <sub>2</sub> in air through <i>in situ</i> reactions. <i>Dalton Transactions</i> , 2019, 48, 512-522.	3.0	53
151	Hexagonal Bipyramidal Dy(III) Complexes as a Structural Archetype for Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2019, 58, 2610-2617.	4.6	74
152	Bifunctional Mononuclear Dysprosium Complexes: Single-Ion Magnet Behaviors and Antitumor Activities. <i>Inorganic Chemistry</i> , 2019, 58, 2286-2298.	4.6	63
153	A rare chloride-bridged dysprosium chain with slow magnetic relaxation: a thermally activated mechanism <i>via</i> a second-excited state promoted by magnetic interactions. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 786-790.	6.3	24
154	Regulation of magnetic relaxation behavior by replacing 3d transition metal ions in [M <sub>2</sub> Dy <sub>2</sub> ] complexes containing two different organic chelating ligands. <i>Dalton Transactions</i> , 2019, 48, 10011-10022.	3.0	35
155	Controlling the Crystal Field of Heteroleptic Bis(phthalocyaninato) Erbium for Field-Induced Magnetic Relaxation. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2940-2946.	1.8	10
156	Dysprosium complexes bearing unsupported Dy <sup>III</sup> -Ge <sup>II</sup> /Sn <sup>II</sup> -metal-metal bonds as single-ion magnets. <i>Chemical Communications</i> , 2019, 55, 8250-8253.	3.4	31
157	Magnetic anisotropy and slow magnetic relaxation processes of cobalt(II)-pseudohalide complexes. <i>Dalton Transactions</i> , 2019, 48, 10743-10752.	3.0	31
158	Modulating Magnetic Property of Phthalocyanine Supported M <sup>II</sup> -Dy <sup>III</sup> (M = Ni,) Tj ETQq0 0 0 rgBT /Overlock 19	4.6	19
159	Effect of coordination anion substitutions on relaxation dynamics of defect dicubane Zn <sub>2</sub> Dy <sub>2</sub> tetranuclear clusters. <i>Dalton Transactions</i> , 2019, 48, 7844-7852.	3.0	19
160	Structures, Single-Molecule Magnets, and Fluorescent Properties of Four Dinuclear Lanthanide Complexes Based on 4-Azotriazolyl-3-hydroxy-2-naphthoic Acid. <i>Inorganic Chemistry</i> , 2019, 58, 5914-5921.	4.6	32
161	Magnetic properties and theoretical calculations of mononuclear lanthanide complexes with a Schiff base coordinated to Ln(III) ion in a monodentate coordination mode. <i>Inorganica Chimica Acta</i> , 2019, 494, 8-12.	2.8	7
162	Syntheses, structures, and magnetic properties of three two-dimensional cobalt(II)-single-ion magnets with a Co <sup>II</sup> N <sub>4</sub> X <sub>2</sub> octahedral geometry. <i>CrystEngComm</i> , 2019, 21, 3176-3185.	2.4	28

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163	Multiple magnetic relaxation pathways in T-shaped N-heterocyclic carbene-supported Fe( <i>sc</i> ) single-ion magnets. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1050-1057.	6.3	9
164	High local coordination symmetry around the spin center and the alignment between magnetic and symmetric axes together play a crucial role in single-molecule magnet performance. <i>Dalton Transactions</i> , 2019, 48, 4931-4940.	3.0	24
165	Syntheses and magnetic properties of a bis-tridentate nitronyl nitroxide radical and its metal complexes. <i>Dalton Transactions</i> , 2019, 48, 4774-4778.	3.0	8
166	Tuning the Magnetization Dynamic Properties of Nd...Fe and Nd...Co Single-Molecular Magnets by Introducing 3d of Magnetic Interactions. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2029-2035.	3.0	6
167	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.	4.6	46
168	Solvent-tuned magnetic exchange interactions in Dy <sub>2</sub> systems ligated by a 1/4-phenolato heptadentate Schiff base. <i>RSC Advances</i> , 2019, 9, 39640-39648.	4.4	14
169	Effect of Bridging Ligands on Magnetic Behavior in Dinuclear Dysprosium Cores Supported by Polyoxometalates. <i>Inorganic Chemistry</i> , 2019, 58, 1301-1308.	4.6	59
170	Capping N-Donor Ligands Modulate the Magnetic Dynamics of Dy <sup>III</sup> Diketonate Single-Ion Magnets with <i>D</i> <sub>4d</sub> Symmetry. <i>Chemistry - A European Journal</i> , 2019, 25, 3884-3892.	3.4	36
171	Slow relaxation of the magnetization observed in mononuclear Ln <sup>III</sup> radical compounds with <i>D</i> <sub>4d</sub> geometry configurations. <i>Dalton Transactions</i> , 2019, 48, 558-565.	3.0	17
172	One-dimensional cobalt(ii) coordination polymer featuring single-ion-magnet-type field-induced slow magnetic relaxation. <i>New Journal of Chemistry</i> , 2018, 42, 9612-9619.	2.4	27
173	Dinuclear Dy <sub>2</sub> Single-Molecule Magnets: Functional Modulation on the Bridging Ligand and Different Relaxation Performances within the Single-Crystal to Single-Crystal System. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1725-1734.	3.0	15
174	Modulating the Magnetic Interaction in New Triple-Decker Dysprosium(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2018, 57, 1408-1416.	4.6	37
175	Slow magnetic relaxation influenced by change of symmetry from ideal Ci to D3d in cobalt(ii)-based single-ion magnets. <i>Dalton Transactions</i> , 2018, 47, 2506-2510.	3.0	37
176	Realization of toroidal magnetic moments in heterometallic 3d <sup>4f</sup> metallocycles. <i>Chemical Communications</i> , 2018, 54, 1065-1068.	3.4	94
177	Dramatic impact of the lattice solvent on the dynamic magnetic relaxation of dinuclear dysprosium single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1575-1586.	6.3	55
178	Rhodamine Salicylaldehyde Hydrazone Dy(III) Complexes: Fluorescence and Magnetism. <i>Inorganic Chemistry</i> , 2018, 57, 4061-4069.	4.6	34
179	Magnetic Anisotropy from Trigonal Prismatic to Trigonal Antiprismatic Co(II) Complexes: Experimental Observation and Theoretical Prediction. <i>Inorganic Chemistry</i> , 2018, 57, 3903-3912.	4.6	48
180	Enhanced energy barriers triggered by magnetic anisotropy modulation <i>via</i> tuning the functional groups on the bridging ligands in Dy <sub>2</sub> single-molecule magnets. <i>Dalton Transactions</i> , 2018, 47, 15197-15205.	3.0	25

#	ARTICLE	IF	CITATIONS
181	A belt-like one-dimensional Dy chain exhibiting slow magnetic relaxation behavior. Dalton Transactions, 2018, 47, 15298-15302.	3.0	4
182	Influence of alcoholic solvent and acetate anion coordination mode variations on structures and magnetic properties of heterometallic Zn <sub>2</sub> Dy <sub>2</sub> tetranuclear clusters. Dalton Transactions, 2018, 47, 16616-16626.	3.0	23
183	A triangular Dy <sub>3</sub> single-molecule toroic with high inversion energy barrier: magnetic properties and multiple-step assembly mechanism. Inorganic Chemistry Frontiers, 2018, 5, 3155-3162.	6.3	84
184	Magnetic on/off switching in redox non-innocent ligand bridged binuclear cobalt complexes. Dalton Transactions, 2018, 47, 17211-17215.	3.0	19
185	Spontaneous Resolution of Chiral Co(III)Dy(III) Single-Molecule Magnet Based on an Achiral Flexible Ligand. Crystal Growth and Design, 2018, 18, 7611-7617.	3.4	22
186	Concise Chemistry Modulation of the SMM Behavior within a Family of Mononuclear Dy(III) Complexes. Inorganic Chemistry, 2018, 57, 14843-14851.	4.6	57
187	Heterometallic M <sup>II</sup> Ln <sup>III</sup> (M = Co/Zn; Ln = Dy/Y) Complexes with Pentagonal Bipyramidal 3d Centers: Syntheses, Structures, and Magnetic Properties. Inorganic Chemistry, 2018, 57, 15526-15536.	4.6	32
188	Dinuclear Lanthanide Complexes Based on a Schiff-base Ligand: Free Lattice Solvent Inducing the Single Molecule Magnet Behavior of Dy <sub>2</sub> Compound. Chemistry - an Asian Journal, 2018, 13, 3753-3761.	3.0	26
189	A new salicylaldehyde-based azo dye and its two lanthanide( <sup>iii</sup> ) complexes displaying slow magnetic relaxation. Dalton Transactions, 2018, 47, 14975-14984.	3.0	15
190	Dysprosium Compounds with Hula-Hoop-like Geometries: The Influence of Magnetic Anisotropy and Magnetic Interactions on Magnetic Relaxation. Inorganic Chemistry, 2018, 57, 12213-12221.	4.6	58
191	A family of lanthanide compounds with reduced nitronyl nitroxide diradical: syntheses, structures and magnetic properties. Dalton Transactions, 2018, 47, 7925-7933.	3.0	21
192	A new $\hat{1}^2$ -diketonate Dy(III) single-ion magnet featuring multiple magnetic relaxation processes. Journal of Coordination Chemistry, 2018, 71, 2209-2224.	2.6	6
193	Modulation of the Coordination Environment around the Magnetic Easy Axis Leads to Significant Magnetic Relaxations in a Series of 3d-4f Schiff Complexes. Inorganic Chemistry, 2018, 57, 8065-8077.	4.6	54
194	Reversible ON/OFF switching of single-molecule-magnetism associated with single-crystal-to-single-crystal structural transformation of a decanuclear dysprosium phosphonate. Chemical Science, 2018, 9, 6424-6433.	7.1	67
195	Magnetic anisotropy and relaxation behavior of six-coordinate tris(pivalato)-Co( <sup>ii</sup> ) and -Ni( <sup>ii</sup> ) complexes. Dalton Transactions, 2018, 47, 10162-10171.	3.0	21
196	Syntheses, structures and magnetic properties of macrocyclic Schiff base-supported homodinuclear lanthanide complexes. Dalton Transactions, 2018, 47, 11696-11704.	3.0	27
197	Elucidation of the two-step relaxation processes of a tetranuclear dysprosium molecular nanomagnet through magnetic dilution. Dalton Transactions, 2018, 47, 11636-11644.	3.0	26
198	A soft phosphorus atom to harden an erbium( <sup>iii</sup> ) single-ion magnet. Chemical Science, 2018, 9, 7540-7545.	7.1	95

#	ARTICLE	IF	CITATIONS
199	Fine-tuning of the molecular structures and magnetic anisotropy analysis of two mononuclear dysprosium–sulfur complexes. <i>Inorganic Chemistry Communication</i> , 2018, 95, 82-85.	4.8	9
200	Single-molecule magnet behaviour in a dysprosium-triradical complex. <i>Chemical Communications</i> , 2018, 54, 9726-9729.	3.4	52
201	Single-Molecule Magnet Behavior of 1D Coordination Polymers Based on DyZn <sub>2</sub> (salen) <sub>2</sub> Units and Pyridin-N-Oxide-4-Carboxylate: Structural Divergence and Magnetic Regulation. <i>Inorganic Chemistry</i> , 2018, 57, 11077-11086.	4.6	39
202	Reversible on/off switching of both spin crossover and single-molecule magnet behaviours via a crystal-to-crystal transformation. <i>Chemical Science</i> , 2018, 9, 7986-7991.	7.1	109
203	Magnetic anisotropy and slow magnetic relaxation of seven-coordinate cobalt(II)–nitrate complexes. <i>Polyhedron</i> , 2018, 154, 148-155.	2.4	12
204	High-coordinate Coll and Fell compounds constructed from an asymmetric tetradentate ligand show slow magnetic relaxation behavior. <i>Dalton Transactions</i> , 2018, 47, 8940-8948.	3.0	20
205	Effect of the Ligand Field Geometry on the Slow Magnetization Relaxation in Mononuclear Dysprosium Complexes. <i>Science of Advanced Materials</i> , 2018, 10, 1274-1285.	0.9	1
206	Electrostatic Potential Determined Magnetic Dynamics Observed in Two Mononuclear $\text{Dy}^{\text{III}}$ -Diketone Dysprosium(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2017, 56, 3644-3656.	4.6	69
207	Field-Induced Co(II) Single-Ion Magnets with mer-Directing Ligands but Ambiguous Coordination Geometry. <i>Inorganic Chemistry</i> , 2017, 56, 6056-6066.	4.6	38
208	Detection of Picric Acid by Terpy-Based Metallo-Supramolecular Fluorescent Coordination Polymers in Aqueous Media. <i>Chinese Journal of Chemistry</i> , 2017, 35, 447-456.	6.5	10
209	Magnetic Relaxation Dynamics of a Centrosymmetric Dy <sub>2</sub> Single-Molecule Magnet Triggered by Magnetic-Site Dilution and External Magnetic Field. <i>Inorganic Chemistry</i> , 2017, 56, 5611-5622.	4.6	71
210	A Six-Coordinate Dysprosium Single-Ion Magnet with Trigonal-Prismatic Geometry. <i>Inorganic Chemistry</i> , 2017, 56, 7320-7323.	4.6	30
211	Strictly linear trinuclear Dy–Ca/Mg–Dy single-molecule magnets: the impact of long-range ferromagnetic interactions on suppressing quantum tunnelling of magnetization leading to slow magnetic relaxation. <i>Dalton Transactions</i> , 2017, 46, 8259-8268.	3.0	11
212	Two-Coordinate Co(II) Imido Complexes as Outstanding Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2017, 139, 373-380.	15.0	400
213	Complementation and joint contribution of appropriate intramolecular coupling and local ion symmetry to improve magnetic relaxation in a series of dinuclear Dy <sub>2</sub> single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 499-508.	6.3	54
214	Modulating Single-Molecule Magnetic Behavior of a Dinuclear Erbium(III) Complex by Solvent Exchange. <i>Inorganic Chemistry</i> , 2017, 56, 336-343.	4.6	53
215	Modulating Slow Magnetic Relaxation of Dysprosium Compounds through the Position of Coordinating Nitrate Group. <i>Inorganic Chemistry</i> , 2017, 56, 13430-13436.	4.6	27
216	Probing the influence of molecular symmetry on the magnetic anisotropy of octahedral cobalt(II) complexes. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1909-1916.	6.3	37

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217	Two Series of Homodinuclear Lanthanide Complexes: Greatly Enhancing Energy Barriers through Tuning Terminal Solvent Ligands in Dy <sub>2</sub> Single-Molecule Magnets. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2834-2844.	3.0	23
218	Isomeric ligands enhance the anisotropy barrier within nine-coordinated {Dy <sub>2</sub> } compounds. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9488-9495.	5.1	37
219	Chiral six-coordinate Dy(III) and Tb(III) complexes of an achiral ligand: structure, fluorescence, and magnetism. <i>Dalton Transactions</i> , 2017, 46, 13035-13042.	3.0	33
220	The Charge Transfer Approach to Heavier Main-Group Element Radicals in Transition-Metal Complexes. <i>Angewandte Chemie</i> , 2017, 129, 12915-12919.	1.4	10
221	Solvent orientation in the crystal lattice producing distinct magnetic dynamics in two binuclear Dy(III) polymorphs with a polydentate Schiff base ligand. <i>CrystEngComm</i> , 2017, 19, 5735-5741.	2.4	12
222	Magnetic Interaction Affecting the Zero-Field Single-Molecule Magnet Behaviors in Isomorphous {NiII <sub>2</sub> DyIII <sub>2</sub> } and {CoII <sub>2</sub> DyIII <sub>2</sub> } Tetranuclear Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 11387-11397.	4.6	31
223	Syntheses, structures and magnetic properties of the lanthanide complexes of the pyrimidyl-substituted nitronyl nitroxide radical. <i>Dalton Transactions</i> , 2017, 46, 10452-10461.	3.0	31
224	A Rare Water and Hydroxyl-Extended One-Dimensional Dysprosium(III) Chain and Its Magnetic Dilution Effect. <i>Inorganic Chemistry</i> , 2017, 56, 9594-9601.	4.6	19
225	Interchange between coordinated and lattice solvents generates the highest energy barrier within nine-coordinated DyIII single molecule magnets. <i>Dalton Transactions</i> , 2017, 46, 11159-11165.	3.0	20
226	The Charge Transfer Approach to Heavier Main-Group Element Radicals in Transition-Metal Complexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12741-12745.	14.4	32
227	Magnetic Anisotropy along a Series of Lanthanide Polyoxometalates with Pentagonal Bipyramidal Symmetry. <i>Inorganic Chemistry</i> , 2017, 56, 7835-7841.	4.6	30
228	Single-Molecule Magnet Behavior Enhanced by Synergic Effect of Single-Ion Anisotropy and Magnetic Interactions. <i>Inorganic Chemistry</i> , 2017, 56, 7882-7889.	4.6	86
229	Construction and magnetic study of two new dysprosium complexes with chain or tetranuclear structure. <i>CrystEngComm</i> , 2017, 19, 4025-4032.	2.4	5
230	Tuning quantum tunnelling of magnetization through 3d-4f magnetic interactions: an alternative approach for manipulating single-molecule magnetism. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 114-122.	6.3	99
231	Hydroxide-bridged five-coordinate DyIII single-molecule magnet exhibiting the record thermal relaxation barrier of magnetization among lanthanide-only dimers. <i>Chemical Science</i> , 2017, 8, 1288-1294.	7.1	184
232	Fine-tuning terminal solvent ligands to rationally enhance the energy barrier in dinuclear dysprosium single-molecule magnets. <i>Dalton Transactions</i> , 2017, 46, 186-192.	3.0	43
233	Single-ion magnetism in seven-coordinate YbIII complexes with distorted D <sub>5h</sub> coordination geometry. <i>Dalton Transactions</i> , 2017, 46, 12884-12892.	3.0	29
234	Slow Magnetic Relaxations in Cobalt(II) Tetranitrate Complexes. Studies of Magnetic Anisotropy by Inelastic Neutron Scattering and High-Frequency and High-Field EPR Spectroscopy. <i>Inorganic Chemistry</i> , 2016, 55, 12603-12617.	4.6	44

#	ARTICLE	IF	CITATIONS
235	Assembling Dysprosium Dimer Units into a Novel Chain Featuring Slow Magnetic Relaxation via Formate Linker. <i>Inorganic Chemistry</i> , 2016, 55, 12904-12911.	4.6	54
236	A distinct magnetic anisotropy enhancement in mononuclear dysprosium-sulfur complexes by controlling the Dy-ligand bond length. <i>Dalton Transactions</i> , 2016, 45, 8149-8153.	3.0	32
237	Fine-Tuning Ligand to Modulate the Magnetic Anisotropy in a Carboxylate-Bridged Dy <sub>2</sub> Single-Molecule Magnet System. <i>Inorganic Chemistry</i> , 2016, 55, 5578-5584.	4.6	137
238	Two field-induced slow magnetic relaxation processes in a mononuclear Co(II) complex with a distorted octahedral geometry. <i>Dalton Transactions</i> , 2016, 45, 9279-9284.	3.0	61
239	Thermostability and photoluminescence of Dy(III) single-molecule magnets under a magnetic field. <i>Chemical Science</i> , 2016, 7, 5020-5031.	7.1	127
240	Probing the Effect of Axial Ligands on Easy-Plane Anisotropy of Pentagonal-Bipyramidal Cobalt(II) Single-Ion Magnets. <i>Inorganic Chemistry</i> , 2016, 55, 10859-10869.	4.6	121
241	Tuning Slow Magnetic Relaxation in a Two-Dimensional Dysprosium Layer Compound through Guest Molecules. <i>Inorganic Chemistry</i> , 2016, 55, 7980-7987.	4.6	37
242	Weak Ligand-Field Effect from Ancillary Ligands on Enhancing Single-Ion Magnet Performance. <i>Chemistry - A European Journal</i> , 2016, 22, 12724-12731.	3.4	96
243	Fine Tuning of the Anisotropy Barrier by Ligand Substitution Observed in Linear {Dy <sub>2</sub> Ni <sub>2</sub> } Clusters. <i>Chemistry - A European Journal</i> , 2016, 22, 18840-18849.	3.4	22
244	Can Non-Kramers Tm(III) Mononuclear Molecules be Single-Molecule Magnets (SMMs)? <i>Chemistry - A European Journal</i> , 2016, 22, 4704-4708.	3.4	54
245	A series of dinuclear Dy(III) complexes bridged by 2-methyl-8-hydroxyquinoline: replacement on the periphery coordinated $\beta^2$ -diketonate terminal leads to different single-molecule magnetic properties. <i>Dalton Transactions</i> , 2016, 45, 3863-3873.	3.0	36
246	(Boratabenzene)(cyclooctatetraenyl) lanthanide complexes: a new type of organometallic single-ion magnet. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 828-835.	6.3	97
247	A family of tetranuclear quinolinolate Dy(III)-based single-molecule magnets: effects of periphery ligand replacement on their magnetic relaxation. <i>Dalton Transactions</i> , 2016, 45, 2674-2680.	3.0	16
248	High symmetry or low symmetry, that is the question - high performance Dy(III) single-ion magnets by electrostatic potential design. <i>Chemical Science</i> , 2016, 7, 684-691.	7.1	256
249	Slow magnetic relaxation in a novel carboxylate/oxalate/hydroxyl bridged dysprosium layer. <i>Chemical Science</i> , 2015, 6, 3095-3101.	7.1	167
250	Half-Sandwich Complexes of Dy(III): A Janus-Motif with Facile Tunability of Magnetism. <i>Inorganic Chemistry</i> , 2015, 54, 5162-5168.	4.6	45
251	A Family of Co(II) Single-Ion Magnets with Zero-Field Slow Magnetic Relaxation: Fine Tuning of Energy Barrier by Remote Substituent and Counter Cation. <i>Inorganic Chemistry</i> , 2015, 54, 5475-5486.	4.6	109
252	Field-induced slow magnetic relaxation in a hydrogen-bonding linked Co(II) 1D supramolecular coordination polymer. <i>Supramolecular Chemistry</i> , 2015, 27, 401-406.	0.5	19

#	ARTICLE	IF	CITATIONS
253	Origin of the relaxation barriers in a family of MReIV(CN) <sub>2</sub> single-chain magnets (M = MnII, NiII, and) Tj ETQq1 1 0.784314 rgBT /Overl...	2.4	5
254	Unexpectedly Strong Magnetic Anisotropy in a Mononuclear Eight-Coordinate Cobalt(II) Complex: a Theoretical Exploration. <i>Inorganic Chemistry</i> , 2015, 54, 1203-1205.	4.6	12
255	Does the thermal evolution of molecular structures critically affect the magnetic anisotropy?. <i>Chemical Science</i> , 2015, 6, 4587-4593.	7.1	63
256	Construction and theoretical study of a new Dy- <sup>II</sup> -diketone chain featuring slow magnetic relaxation. <i>CrystEngComm</i> , 2015, 17, 5620-5624.	2.4	21
257	Rational enhancement of the energy barrier of bis(tetrapyrrole) dysprosium SMMs via replacing atom of porphyrin core. <i>Chemical Science</i> , 2015, 6, 5947-5954.	7.1	96
258	Cobalt(II) Coordination Polymer Exhibiting Single-Ion-Magnet-Type Field-Induced Slow Relaxation Behavior. <i>Inorganic Chemistry</i> , 2015, 54, 3716-3718.	4.6	81
259	Observation of the single-ion magnet behavior of d8 ions on two-coordinate Co(i)â€“NHC complexes. <i>Chemical Science</i> , 2015, 6, 7156-7162.	7.1	143
260	Experimental and theoretical investigations of four 3dâ€“4f butterfly single-molecule magnets. <i>Dalton Transactions</i> , 2015, 44, 18544-18552.	3.0	50
261	Field-Induced Slow Magnetic Relaxation and Gas Adsorption Properties of a Bifunctional Cobalt(II) Compound. <i>Inorganic Chemistry</i> , 2015, 54, 11362-11368.	4.6	53
262	Slow Magnetic Relaxation in Mononuclear Octahedral Manganese(III) Complexes with Dibenzoylmethanide Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 271-278.	1.8	47
263	Exchange coupling and magnetic anisotropy in a family of bipyrimidyl radicalâ€“bridged dilanthanide complexes: Density functional theory and <i>ab initio</i> calculations. <i>Journal of Computational Chemistry</i> , 2014, 35, 904-909.	4.8	5
264	A half-sandwich organometallic single-ion magnet with hexamethylbenzene coordinated to the Dy(III) ion. <i>Chemical Communications</i> , 2014, 50, 11418-11420.	3.4	62
265	A 1D dysprosium chain with slow magnetic relaxation constructed from a pyridine-N-oxide ligand. <i>Chemical Communications</i> , 2014, 50, 10434.	3.4	66
266	Slow Magnetic Relaxation in a Mononuclear Eight-Coordinate Cobalt(II) Complex. <i>Journal of the American Chemical Society</i> , 2014, 136, 12213-12216.	15.0	170
267	Sixâ€“Coordinate Lanthanide Complexes: Slow Relaxation of Magnetization in the Dysprosium(III) Complex. <i>Chemistry - A European Journal</i> , 2014, 20, 15975-15980.	3.4	69
268	Magneto-Structural Correlations in a Family of FeIIReIV(CN) <sub>2</sub> Single-Chain Magnets: Density Functional Theory and Ab Initio Calculations. <i>Inorganic Chemistry</i> , 2014, 53, 3503-3510.	4.6	19
269	The slow magnetic relaxation regulated by ligand conformation of a lanthanide single-ion magnet [Hex4N][Dy(DBM)4]. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 503-509.	6.3	60
270	Understanding the Magnetic Anisotropy in a Family of N23â€“ Radical-Bridged Lanthanide Complexes: Density Functional Theory and <i>ab Initio</i> Calculations. <i>Journal of Physical Chemistry A</i> , 2013, 117, 10873-10880.	2.5	26

#	ARTICLE	IF	CITATIONS
271	Zero-field slow magnetic relaxation from single Co(ii) ion: a transition metal single-molecule magnet with high anisotropy barrier. <i>Chemical Science</i> , 2013, 4, 1802.	7.1	313
272	Intramolecular and Intermolecular Magnetic Coupling Mechanism of a Dinuclear Copper(II) Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 181-186.	0.9	8
273	Inspiration from old molecules: field-induced slow magnetic relaxation in three air-stable tetrahedral cobalt(ii) compounds. <i>Chemical Communications</i> , 2013, 49, 5289.	3.4	134
274	Exploring the Sources of the Magnetic Anisotropy in a Family of Cyanide-Bridged Ni <sub>9</sub> Mo <sub>6</sub> and Ni <sub>9</sub> W <sub>6</sub> Systems: A Density Functional Theory Study. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7778-7784.	2.5	4
275	Synthesis, structure, magnetic properties and DFT calculations of two hydroxo-bridged complexes based on Mn(III)(Schiff-Bases). <i>Dalton Transactions</i> , 2011, 40, 5999.	3.0	21
276	π-π Stacking and ferromagnetic coupling mechanism on a binuclear Cu(ii) complex. <i>Dalton Transactions</i> , 2011, 40, 1453.	3.0	42
277	Strong anisotropy barriers of two theoretically modeled cyano-bridged magnets [(PY5Me <sub>2</sub> ) <sub>4</sub> M <sub>4</sub> Re(CN) <sub>7</sub> ] <sub>5</sub> <sup>+</sup> (M = VII, NiII): DFT predictions. <i>Polyhedron</i> , 2011, 30, 3228-3231.	2.4	3
278	π-π Stacking and magnetic coupling mechanism on a mono-nuclear Mn(II) complex. <i>Journal of Molecular Structure</i> , 2011, 987, 138-143.	4.1	8
279	Magnetic Anisotropy in a Family of Experimentally Synthesized and Theoretically Modeled M <sub>8</sub> (CN) <sub>14</sub> Clusters. <i>Inorganic Chemistry</i> , 2011, 50, 10784-10791.	1.9	14
280	On the Origin of Magnetic Anisotropy in Cyanide-Bridged Co <sub>9</sub> M <sub>6</sub> (M = Mo V or W V) Systems: A DFT Study. <i>Inorganic Chemistry</i> , 2009, 48, 10486-10488.	4.6	12
281	Theoretical study of magnetostructural correlations in a family of triangular manganese(iii) complexes. <i>Dalton Transactions</i> , 2009, , 5627.	3.0	11
282	Density Functional Theory Studies of the Magnetostructural Correlations in the Cyano-Bridged Mo <sub>2</sub> Ni and Mo <sub>2</sub> Ni <sub>3</sub> Systems. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2199-2206.	1.8	4
283	Theoretical study of the exchange coupling substituting MoV with WV in four cyano-bridged M <sub>9</sub> M <sub>6</sub> (M <sup>2+</sup> ) Clusters. <i>Inorganic Chemistry</i> , 2008, 47, 10784-10791.	3.0	14
284	A Theoretical Study of the Nearest Cu <sup>II</sup> -Cu <sup>II</sup> Antiferromagnetic Exchange Coupling Interactions in [LaCu <sub>6</sub> ] and [YCu <sub>6</sub> ]. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1261-1267.	1.8	3
285	Magnetostructural correlations in the cyano-bridged CrNi, Cr <sub>2</sub> Ni and CrNi <sub>6</sub> complexes: density functional theory calculations. <i>Journal of Materials Chemistry</i> , 2006, 16, 4657.	7.3	11
286	Theoretical Study of the Relationship between the Nearest-Neighbor Exchange Coupling Interactions and the Number of Peripheral Complexes in the Cyano-Bridged CrMn <sub>6</sub> (CN) <sub>6</sub> and CrMn <sub>2</sub> (CN) <sub>2</sub> Clusters. <i>Journal of Physical Chemistry A</i> , 2006, 110, 5096-5101.	2.5	12
287	Relationship Between the Nearest-Neighbor Exchange Coupling Constants and the Number of Exchange Interactions in the Cyano-Bridged MnMo <sub>6</sub> (CN) <sub>18</sub> Cluster: Density Functional Theory Calculations. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2292-2298.	1.8	5
288	Exchange coupling behavior of cyano-bridged binuclear Fe(iii)-Ni(ii) complexes: a density functional theory combined with broken-symmetry approach. <i>New Journal of Chemistry</i> , 2005, 29, 1285.	2.4	18

#	ARTICLE	IF	CITATIONS
289	Unusual magnetic relaxation in a single-molecule magnet with toroidal magnetic moments. Chinese Physics B, 0, 32, 087505.	1.8	2
290	Homochiral Dy <sub>2</sub> Zn <sub>2</sub> zero-field single-molecule magnets derived from ( <i>R</i> )/( <i>S</i> )-2-methoxy-2-phenylacetic acids. Dalton Transactions, 0, 54, 13522-13528.	3.0	1
291	Photoresponsive luminescent single-molecule magnets based on dysprosium <sup>III</sup> -anthracene complexes: regulating the de-dimerization temperature of the photocycloaddition product by co-ligand. Chemical Science, 0, 16, 19806-19819.	7.1	1
292	A hydroxyl-extended 1D dysprosium chain with two well-separated magnetic relaxation processes. Journal of Molecular Structure, 0, 1351, 144303.	4.1	1
293	Regulation of Ligand Substitution in Mononuclear Dy/Gd Complexes: Slow Magnetic Relaxation and Magnetocaloric Effects. Crystal Growth and Design, 0, 25, 9796-9803.	3.4	0
294	Precise Control of Homochiral Multifunctional Dy <sub>2</sub> Single-Molecule Magnets by Changing the Positions of the Two Heterocyclic Nitrogen Atoms in the Schiff Base Ligands. , 0, , .		0
295	Carboxylate-modulated structural variations and slow magnetic relaxation in mononuclear dysprosium(III) complexes. Journal of Molecular Structure, 0, 1356, 145148.	4.1	0
296	Axial Dy <sup>III</sup> -O <sup>II</sup> -Si bond angle: An avenue for switching single molecule magnet performance. Journal of Molecular Structure, 0, 1357, 145206.	4.1	0
297	Tetrazine-Radical-Bridged Lanthanide Complexes: From Di- to Trinuclear Single-Molecule Magnets. Inorganic Chemistry, 0, 65, 1900-1910.	4.6	0