

Yi-Quan Zhang

List of Publications by Year in descending order

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Two-Coordinate Co(II) Imido Complexes as Outstanding Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2017, 139, 373-380.	6.6	343
2	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.	3.7	289
3	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.	3.7	229
4	Hydroxide-bridged five-coordinate Dy(III) single-molecule magnet exhibiting the record thermal relaxation barrier of magnetization among lanthanide-only dimers. <i>Chemical Science</i> , 2017, 8, 1288-1294.	3.7	165
5	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.	6.6	165
6	Slow magnetic relaxation in a novel carboxylate/oxalate/hydroxyl bridged dysprosium layer. <i>Chemical Science</i> , 2015, 6, 3095-3101.	3.7	158
7	Slow Magnetic Relaxation in a Mononuclear Eight-Coordinate Cobalt(II) Complex. <i>Journal of the American Chemical Society</i> , 2014, 136, 12213-12216.	6.6	155
8	Fine-Tuning Ligand to Modulate the Magnetic Anisotropy in a Carboxylate-Bridged Dy(II) Single-Molecule Magnet System. <i>Inorganic Chemistry</i> , 2016, 55, 5578-5584.	1.9	129
9	Inspiration from old molecules: field-induced slow magnetic relaxation in three air-stable tetrahedral cobalt(II) compounds. <i>Chemical Communications</i> , 2013, 49, 5289.	2.2	128
10	Observation of the single-ion magnet behavior of d ⁸ ions on two-coordinate Co(I)-NHC complexes. <i>Chemical Science</i> , 2015, 6, 7156-7162.	3.7	115
11	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.	1.9	103
12	Thermostability and photoluminescence of Dy(III) single-molecule magnets under a magnetic field. <i>Chemical Science</i> , 2016, 7, 5020-5031.	3.7	100
13	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.	1.9	94
14	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.	3.7	90
15	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.	3.7	88
16	Weak Ligand-Field Effect from Ancillary Ligands on Enhancing Single-Ion Magnet Performance. <i>Chemistry - A European Journal</i> , 2016, 22, 12724-12731.	1.7	81
17	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.	3.0	81
18	Single-Molecule Magnet Behavior Enhanced by Synergic Effect of Single-Ion Anisotropy and Magnetic Interactions. <i>Inorganic Chemistry</i> , 2017, 56, 7882-7889.	1.9	79

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19	Realization of toroidal magnetic moments in heterometallic 3d ⁴ f metallocycles. <i>Chemical Communications</i> , 2018, 54, 1065-1068.	2.2	79
20	(Boratabenzene)(cyclooctatetraenyl) lanthanide complexes: a new type of organometallic single-ion magnet. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 828-835.	3.0	77
21	Cobalt(II) Coordination Polymer Exhibiting Single-Ion-Magnet-Type Field-Induced Slow Relaxation Behavior. <i>Inorganic Chemistry</i> , 2015, 54, 3716-3718.	1.9	75
22	A soft phosphorus atom to "harden" an erbium(ⁱⁱⁱ) single-ion magnet. <i>Chemical Science</i> , 2018, 9, 7540-7545.	3.7	72
23	A triangular Dy ₃ single-molecule toroic with high inversion energy barrier: magnetic properties and multiple-step assembly mechanism. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 3155-3162.	3.0	71
24	Six-Coordinate Lanthanide Complexes: Slow Relaxation of Magnetization in the Dysprosium(III) Complex. <i>Chemistry - A European Journal</i> , 2014, 20, 15975-15980.	1.7	66
25	A 1D dysprosium chain with slow magnetic relaxation constructed from a pyridine-N-oxide ligand. <i>Chemical Communications</i> , 2014, 50, 10434.	2.2	64
26	Electrostatic Potential Determined Magnetic Dynamics Observed in Two Mononuclear ^{II} -Diketone Dysprosium(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2017, 56, 3644-3656.	1.9	63
27	Does the thermal evolution of molecular structures critically affect the magnetic anisotropy?. <i>Chemical Science</i> , 2015, 6, 4587-4593.	3.7	61
28	Hexagonal Bipyramidal Dy(III) Complexes as a Structural Archetype for Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2019, 58, 2610-2617.	1.9	60
29	Magnetic Relaxation Dynamics of a Centrosymmetric Dy₂ Single-Molecule Magnet Triggered by Magnetic-Site Dilution and External Magnetic Field. <i>Inorganic Chemistry</i> , 2017, 56, 5611-5622.	1.9	57
30	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.	1.6	55
31	Reversible ON ^{OFF} switching of single-molecule-magnetism associated with single-crystal-to-single-crystal structural transformation of a decanuclear dysprosium phosphonate. <i>Chemical Science</i> , 2018, 9, 6424-6433.	3.7	54
32	The slow magnetic relaxation regulated by ligand conformation of a lanthanide single-ion magnet [Hex ₄ N][Dy(DBM) ₄]. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 503-509.	3.0	53
33	Two Dy(III) Single-Molecule Magnets with Their Performance Tuned by Schiff Base Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 1191-1200.	1.9	50
34	Bifunctional Mononuclear Dysprosium Complexes: Single-Ion Magnet Behaviors and Antitumor Activities. <i>Inorganic Chemistry</i> , 2019, 58, 2286-2298.	1.9	50
35	Why lanthanide Er ^{III} SIMs cannot possess huge energy barriers: a theoretical investigation. <i>Dalton Transactions</i> , 2020, 49, 14576-14583.	1.6	50
36	Dysprosium Compounds with Hula-Hoop-like Geometries: The Influence of Magnetic Anisotropy and Magnetic Interactions on Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2018, 57, 12213-12221.	1.9	49

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37	Field-Induced Slow Magnetic Relaxation and Gas Adsorption Properties of a Bifunctional Cobalt(II) Compound. <i>Inorganic Chemistry</i> , 2015, 54, 11362-11368.	1.9	48
38	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.	3.0	48
39	Concise Chemistry Modulation of the SMM Behavior within a Family of Mononuclear Dy(III) Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 14843-14851.	1.9	48
40	Single-molecule magnet behaviour in a dysprosium-triradical complex. <i>Chemical Communications</i> , 2018, 54, 9726-9729.	2.2	48
41	Modulating Single-Molecule Magnetic Behavior of a Dinuclear Erbium(III) Complex by Solvent Exchange. <i>Inorganic Chemistry</i> , 2017, 56, 336-343.	1.9	47
42	Assembling Dysprosium Dimer Units into a Novel Chain Featuring Slow Magnetic Relaxation via Formate Linker. <i>Inorganic Chemistry</i> , 2016, 55, 12904-12911.	1.9	46
43	Can Non-Kramers Tm^{III} Mononuclear Molecules be Single-Molecule Magnets (SMMs)? <i>Chemistry - A European Journal</i> , 2016, 22, 4704-4708.	1.7	46
44	Complementation and joint contribution of appropriate intramolecular coupling and local ion symmetry to improve magnetic relaxation in a series of dinuclear Dy_2 single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 499-508.	3.0	45
45	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.	1.9	44
46	Half-Sandwich Complexes of Dy^{III} : A Janus-Motif with Facile Tunability of Magnetism. <i>Inorganic Chemistry</i> , 2015, 54, 5162-5168.	1.9	42
47	A series of dysprosium-based hydrogen-bonded organic frameworks (Dy^{HOF}): thermally triggered off \uparrow on conversion of a single-ion magnet. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2906-2913.	3.0	42
48	Single molecule magnet behaviors of Zn_4Ln_2 ($Ln = Dy^{III}$), $TjEtQqO_0O_0rgBT/Overlock\ 10\ Tf\ 50\ 3$ CO_2 in air through <i>in situ</i> reactions. <i>Dalton Transactions</i> , 2019, 48, 512-522.	1.6	42
49	Effect of Bridging Ligands on Magnetic Behavior in Dinuclear Dysprosium Cores Supported by Polyoxometalates. <i>Inorganic Chemistry</i> , 2019, 58, 1301-1308.	1.9	42
50	Slow Magnetic Relaxation in Mononuclear Octahedral Manganese(III) Complexes with Dibenzoylemethanide Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 271-278.	1.0	40
51	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.	1.6	40
52	Modulation of the Coordination Environment around the Magnetic Easy Axis Leads to Significant Magnetic Relaxations in a Series of 3d-4f Schiff Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 8065-8077.	1.9	40
53	Experimental and theoretical investigations of four 3d-4f butterfly single-molecule magnets. <i>Dalton Transactions</i> , 2015, 44, 18544-18552.	1.6	39
54	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.	1.9	39

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55	Coercive Fields Above 6â€¦T in Two Cobalt(II)â€œRadical Chain Compounds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10610-10618.	7.2	38
56	Tuning Slow Magnetic Relaxation in a Two-Dimensional Dysprosium Layer Compound through Guest Molecules. <i>Inorganic Chemistry</i> , 2016, 55, 7980-7987.	1.9	37
57	Magnetic Anisotropy from Trigonal Prismatic to Trigonal Antiprismatic Co(II) Complexes: Experimental Observation and Theoretical Prediction. <i>Inorganic Chemistry</i> , 2018, 57, 3903-3912.	1.9	37
58	Zero-Field Slow Magnetic Relaxation and Hysteresis Loop in Four-Coordinate Co ^{II} Single-Ion Magnets with Strong Easy-Axis Anisotropy. <i>Inorganic Chemistry</i> , 2019, 58, 12555-12564.	1.9	36
59	Field-Induced Co(II) Single-Ion Magnets with <i>mer</i> -Directing Ligands but Ambiguous Coordination Geometry. <i>Inorganic Chemistry</i> , 2017, 56, 6056-6066.	1.9	35
60	Single-Molecule Magnet Behavior of 1D Coordination Polymers Based on DyZn ₂ (salen) ₂ Units and Pyridin-N-Oxide-4-Carboxylate: Structural Divergence and Magnetic Regulation. <i>Inorganic Chemistry</i> , 2018, 57, 11077-11086.	1.9	34
61	Tuning Magnetic Relaxation in Square-Pyramidal Dysprosium Single-Molecule Magnets Using Apical Alkoxide Ligands. <i>CCS Chemistry</i> , 2021, 3, 388-398.	4.6	33
62	Modulating the Magnetic Interaction in New Triple-Decker Dysprosium(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2018, 57, 1408-1416.	1.9	32
63	Capping Nâ€Donor Ligands Modulate the Magnetic Dynamics of Dy ^{III} $\hat{\Gamma}^2$ -diketonate Single-Ion Magnets with <i>D</i> _{4d} Symmetry. <i>Chemistry - A European Journal</i> , 2019, 25, 3884-3892.	1.7	32
64	A capped trigonal prismatic cobalt(<i>ii</i>) complex as a structural archetype for single-ion magnets. <i>Dalton Transactions</i> , 2020, 49, 2063-2067.	1.6	32
65	A series of dinuclear Dy(<i>iii</i>) complexes bridged by 2-methyl-8-hydroxylquinoline: replacement on the periphery coordinated $\hat{\Gamma}^2$ -diketonate terminal leads to different single-molecule magnetic properties. <i>Dalton Transactions</i> , 2016, 45, 3863-3873.	1.6	31
66	Probing the influence of molecular symmetry on the magnetic anisotropy of octahedral cobalt(<i>ii</i>) complexes. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1909-1916.	3.0	31
67	Slow magnetic relaxation influenced by change of symmetry from ideal <i>C</i> _i to <i>D</i> _{3d} in cobalt(<i>ii</i>)-based single-ion magnets. <i>Dalton Transactions</i> , 2018, 47, 2506-2510.	1.6	31
68	Rhodamine Salicylaldehyde Hydrazone Dy(III) Complexes: Fluorescence and Magnetism. <i>Inorganic Chemistry</i> , 2018, 57, 4061-4069.	1.9	30
69	Isomeric ligands enhance the anisotropy barrier within nine-coordinated {Dy ₂ } compounds. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9488-9495.	2.7	29
70	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. <i>Inorganic Chemistry</i> , 2020, 59, 4414-4423.	1.9	29
71	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.	1.9	29
72	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.	1.6	28

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73	Syntheses, structures and magnetic properties of the lanthanide complexes of the pyrimidyl-substituted nitronyl nitroxide radical. Dalton Transactions, 2017, 46, 10452-10461.	1.6	28
74	Magnetic Anisotropy along a Series of Lanthanide Polyoxometalates with Pentagonal Bipyramidal Symmetry. Inorganic Chemistry, 2017, 56, 7835-7841.	1.9	28
75	Heterometallic $M^{II}Ln^{III}$ ($M = Co/Zn$; $Ln = Dy/Y$) Complexes with Pentagonal Bipyramidal 3d Centers: Syntheses, Structures, and Magnetic Properties. Inorganic Chemistry, 2018, 57, 15526-15536.	1.9	28
76	Structures, Single-Molecule Magnets, and Fluorescent Properties of Four Dinuclear Lanthanide Complexes Based on 4-Azotriazolyl-3-hydroxy-2-naphthoic Acid. Inorganic Chemistry, 2019, 58, 5914-5921.	1.9	28
77	Largely Enhancing the Blocking Energy Barrier and Temperature of a Linear Cobalt(II) Complex through the Structural Distortion: A Theoretical Exploration. Inorganic Chemistry, 2022, 61, 295-301.	1.9	28
78	A Six-Coordinate Dysprosium Single-Ion Magnet with Trigonal-Prismatic Geometry. Inorganic Chemistry, 2017, 56, 7320-7323.	1.9	27
79	Regulation of magnetic relaxation behavior by replacing 3d transition metal ions in $[M_2Dy_2]$ complexes containing two different organic chelating ligands. Dalton Transactions, 2019, 48, 10011-10022.	1.6	27
80	Understanding the Magnetic Anisotropy in a Family of N_2O Radical-Bridged Lanthanide Complexes: Density Functional Theory and ab Initio Calculations. Journal of Physical Chemistry A, 2013, 117, 10873-10880.	1.1	26
81	Understanding the magnetic anisotropy for linear sandwich $[Er(COT)]_2$ -based compounds: a theoretical investigation. Dalton Transactions, 2022, 51, 3295-3303.	1.6	26
82	A distinct magnetic anisotropy enhancement in mononuclear dysprosium-sulfur complexes by controlling the Dy-ligand bond length. Dalton Transactions, 2016, 45, 8149-8153.	1.6	25
83	The Charge Transfer Approach to Heavier Main-Group Element Radicals in Transition-Metal Complexes. Angewandte Chemie - International Edition, 2017, 56, 12741-12745.	7.2	25
84	Enhancing single-molecule magnet behaviour through decorating terminal ligands in Dy_2 compounds. Dalton Transactions, 2019, 48, 12622-12631.	1.6	25
85	Significantly Enhancing the Single-Molecule-Magnet Performance of a Dinuclear Dy(III) Complex by Utilizing an Asymmetric Auxiliary Organic Ligand. Inorganic Chemistry, 2021, 60, 18739-18752.	1.9	24
86	Enhanced energy barriers triggered by magnetic anisotropy modulation <i>via</i> tuning the functional groups on the bridging ligands in Dy_2 single-molecule magnets. Dalton Transactions, 2018, 47, 15197-15205.	1.6	23
87	Dinuclear Lanthanide Complexes Based on a Schiff-base Ligand: Free Lattice Solvent Inducing the Single Molecule Magnet Behavior of Dy_2 Compound. Chemistry - an Asian Journal, 2018, 13, 3753-3761.	1.7	23
88	Magnetic anisotropy and slow magnetic relaxation processes of cobalt(<i>ii</i>)-pseudohalide complexes. Dalton Transactions, 2019, 48, 10743-10752.	1.6	23
89	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. Dalton Transactions, 2019, 48, 4931-4940.	1.6	23
90	A Trinuclear Zinc Coordination Cluster Exhibiting Fluorescence, Colorimetric Sensitivity, and Recycling of Silver Ion and Detection of Cupric Ion. Inorganic Chemistry, 2020, 59, 2833-2842.	1.9	23

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91	Single-ion magnetism in seven-coordinate Yb ^{III} complexes with distorted D _{5h} coordination geometry. <i>Dalton Transactions</i> , 2017, 46, 12884-12892.	1.6	23
92	Modulating Slow Magnetic Relaxation of Dysprosium Compounds through the Position of Coordinating Nitrate Group. <i>Inorganic Chemistry</i> , 2017, 56, 13430-13436.	1.9	22
93	Two Series of Homodinuclear Lanthanide Complexes: Greatly Enhancing Energy Barriers through Tuning Terminal Solvent Ligands in Dy ₂ Single-Molecule Magnets. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2834-2844.	1.7	22
94	Magnetic Interaction Affecting the Zero-Field Single-Molecule Magnet Behaviors in Isomorphic {Ni ^{II} ₂ Dy ^{III} ₂ } and {Co ^{II} ₂ Dy ^{III} ₂ } Tetranuclear Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 11387-11397.	1.9	22
95	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.	1.4	22
96	A series of lanthanide(ⁱⁱⁱ) metal-organic frameworks derived from a pyridyl-dicarboxylate ligand: single-molecule magnet behaviour and luminescence properties. <i>Dalton Transactions</i> , 2020, 49, 14123-14132.	1.6	22
97	Syntheses, structures and magnetic properties of macrocyclic Schiff base-supported homodinuclear lanthanide complexes. <i>Dalton Transactions</i> , 2018, 47, 11696-11704.	1.6	21
98	Elucidation of the two-step relaxation processes of a tetranuclear dysprosium molecular nanomagnet through magnetic dilution. <i>Dalton Transactions</i> , 2018, 47, 11636-11644.	1.6	21
99	Photochemically Tuned Magnetic Properties in an Erbium(III)-Based Easy-Plane Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2019, 58, 14440-14448.	1.9	21
100	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.	2.2	21
101	Fine Tuning of the Anisotropy Barrier by Ligand Substitution Observed in Linear {Dy ₂ Ni ₂ } Clusters. <i>Chemistry - A European Journal</i> , 2016, 22, 18840-18849.	1.7	20
102	A family of lanthanide compounds with reduced nitronyl nitroxide diradical: syntheses, structures and magnetic properties. <i>Dalton Transactions</i> , 2018, 47, 7925-7933.	1.6	20
103	Dysprosium complexes bearing unsupported Dy ^{III} -Ge ^{II} /Sn ^{II} metal-metal bonds as single-ion magnets. <i>Chemical Communications</i> , 2019, 55, 8250-8253.	2.2	20
104	Syntheses, structures, and magnetic properties of three two-dimensional cobalt(ⁱⁱ) single-ion magnets with a Co ^{II} N ₄ X ₂ octahedral geometry. <i>CrystEngComm</i> , 2019, 21, 3176-3185.	1.3	20
105	Macrocyclic supported dimetallic lanthanide complexes with slow magnetic relaxation in Dy ₂ analogues. <i>Dalton Transactions</i> , 2020, 49, 14169-14179.	1.6	20
106	Two <i>C_{2v}</i> symmetry dysprosium(ⁱⁱⁱ) single-molecule magnets with effective energy barriers over 600 K. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2349-2355.	3.0	20
107	Magneto-Structural Correlations in a Family of FeIIReIV(CN) ₂ Single-Chain Magnets: Density Functional Theory and Ab Initio Calculations. <i>Inorganic Chemistry</i> , 2014, 53, 3503-3510.	1.9	19
108	Field-induced slow magnetic relaxation in a hydrogen-bonding linked Co(II) 1D supramolecular coordination polymer. <i>Supramolecular Chemistry</i> , 2015, 27, 401-406.	1.5	19

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109	Influence of alcoholic solvent and acetate anion coordination mode variations on structures and magnetic properties of heterometallic Zn ₂ Dy ₂ tetranuclear clusters. Dalton Transactions, 2018, 47, 16616-16626.	1.6	19
110	Terbium Triangle Bridged by a Triazole Nitronyl Nitroxide Radical with Single-Molecule-Magnet Behavior. Inorganic Chemistry, 2019, 58, 14285-14288.	1.9	19
111	Impact of Ligand Substituents on the Magnetization Dynamics of Mononuclear Dy ^{III} Single-Molecule Magnets. Inorganic Chemistry, 2022, 61, 9785-9791.	1.9	19
112	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.	1.4	18
113	High-coordinate Co ^{II} and Fe ^{II} compounds constructed from an asymmetric tetradentate ligand show slow magnetic relaxation behavior. Dalton Transactions, 2018, 47, 8940-8948.	1.6	18
114	Synthesis, crystal structures and magnetic properties of a series of chair-like heterometallic [Fe ₄ Ln ₂] (Ln = Gd ^{III} , Dy ^{III} , Ho ^{III} , and) Tj ETQq 0 0.6 BT / Overlock 10 T	1.6	18
115	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. Inorganic Chemistry Frontiers, 2019, 6, 786-790.	3.0	18
116	Acid and alkali-resistant Dy ₄ coordination clusters: synthesis, structure and slow magnetic relaxation behaviors. Journal of Materials Chemistry C, 2021, 9, 3854-3862.	2.7	18
117	A Rare Water and Hydroxyl-Extended One-Dimensional Dysprosium(III) Chain and Its Magnetic Dilution Effect. Inorganic Chemistry, 2017, 56, 9594-9601.	1.9	17
118	Magnetic on/off switching in redox non-innocent ligand bridged binuclear cobalt complexes. Dalton Transactions, 2018, 47, 17211-17215.	1.6	17
119	Both magnetic relaxation and luminescence of Zn ₂ Dy ₂ cluster complexes regulated by the bis-imine chain in Schiff base ligands. New Journal of Chemistry, 2019, 43, 14502-14510.	1.4	17
120	Lanthanide Metal-Organic Frameworks Assembled from Unexplored Imidazolylcarboxylic Acid: Structure and Field-Induced Two-Step Magnetic Relaxation. Inorganic Chemistry, 2020, 59, 11930-11934.	1.9	17
121	Adducts of Tris(alkyl) Holmium(III) Showing Magnetic Relaxation. Inorganic Chemistry, 2020, 59, 5835-5844.	1.9	17
122	Interchange between coordinated and lattice solvents generates the highest energy barrier within nine-coordinated Dy ^{III} single molecule magnets. Dalton Transactions, 2017, 46, 11159-11165.	1.6	16
123	Magnetic anisotropy and relaxation behavior of six-coordinate tris(pivalato)-Co(II) and -Ni(II) complexes. Dalton Transactions, 2018, 47, 10162-10171.	1.6	16
124	Slow relaxation of the magnetization observed in mononuclear Ln ^{III} radical compounds with <i>D</i> _{4d} geometry configurations. Dalton Transactions, 2019, 48, 558-565.	1.6	16
125	Modulating magnetic dynamics through tailoring the terminal ligands in Dy ₂ single-molecule magnets. Dalton Transactions, 2020, 49, 808-816.	1.6	16
126	Structurally modulated single-ion magnets of mononuclear β^2 -diketone dysprosium(III) complexes. Dalton Transactions, 2020, 49, 14931-14940.	1.6	16

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127	Structural Modulation of Fluorescent Rhodamine-Based Dysprosium(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2020, 59, 2308-2315.	1.9	16
128	Tuning magnetic anisotropy via terminal ligands along the Dy ^{III} -Dy orientation in novel centrosymmetric [Dy ₂] single molecule magnets. <i>Dalton Transactions</i> , 2021, 50, 568-577.	1.6	16
129	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.	1.9	16
130	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.	3.0	15
131	Dy ^{III} single-molecule magnets from ligands incorporating both amine and acylhydrazine Schiff base groups: the centrosymmetric {Dy ₂ } displaying dual magnetic relaxation behaviors. <i>Dalton Transactions</i> , 2020, 49, 15739-15749.	1.6	15
132	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. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3136-3145.	3.0	15
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