

Molecular magnetic hysteresis at 60 kelvin in dysprosio

Nature

548, 439-442

DOI: [10.1038/nature23447](https://doi.org/10.1038/nature23447)

Citation Report

#	ARTICLE	IF	CITATIONS
2	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
3	Slow Magnetic Relaxation in Intermediate Spin $S = 3/2$ Mononuclear Fe(III) Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 16474-16477.	6.6	46
4	Influence of the Ligand Field on the Slow Relaxation of Magnetization of Unsymmetrical Monomeric Lanthanide Complexes: Synthesis and Theoretical Studies. <i>Inorganic Chemistry</i> , 2017, 56, 14260-14276.	1.9	33
5	Crystal structures and magnetic properties of two series of phenoxo-bridged dinuclear Ln_2 (Ln = Gd, Tb, Dy) complexes. <i>Dalton Transactions</i> , 2017, 46, 16294-16305.	1.6	34
6	Switching on the single-molecule magnet properties within a series of dinuclear cobalt(II)-dysprosium(III) 2-pyridyloximate complexes. <i>Dalton Transactions</i> , 2017, 46, 14812-14825.	1.6	28
7	Hard Single-Molecule Magnet Behavior by a Linear Trinuclear Lanthanide [1]Metallophenanthroline Complex. <i>Journal of the American Chemical Society</i> , 2017, 139, 14877-14880.	6.6	32
8	Transition Metal Single-Molecule Magnets: A Mn_{31} Nanosized Cluster with a Large Energy Barrier of ~ 1460 K and Magnetic Hysteresis at $\sim 1/5$ K. <i>Journal of the American Chemical Society</i> , 2017, 139, 15644-15647.	6.6	66
9	Magnetic molecules back in the race. <i>Nature</i> , 2017, 548, 400-401.	13.7	53
10	Recent Developments in Lanthanide Single-Molecule Magnets. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2772-2779.	1.7	141
11	Construction of lanthanide single-molecule magnets with the magnetic motif $[\text{Dy}(\text{MQ})_4]^{+}$. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1776-1782.	3.0	16
12	Slow magnetisation relaxation in tetraoxolene-bridged rare earth complexes. <i>Dalton Transactions</i> , 2017, 46, 13756-13767.	1.6	30
13	Lanthanide(III) Sandwich and Half-Sandwich Complexes with Bulky Cyclooctatetraenyl Ligands: Synthesis, Structures, and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4840-4849.	1.0	12
14	Key role of higher order symmetry and electrostatic ligand field design in the magnetic relaxation of low-coordinate Er(III) complexes. <i>Dalton Transactions</i> , 2017, 46, 11913-11924.	1.6	23
15	Giant coercivity and high magnetic blocking temperatures for N_2 3d^{\cdot} radical-bridged dilanthanide complexes upon ligand dissociation. <i>Nature Communications</i> , 2017, 8, 2144.	5.8	273
16	Suppression of Magnetic Quantum Tunneling in a Chiral Single-Molecule Magnet by Ferromagnetic Interactions. <i>Inorganic Chemistry</i> , 2017, 56, 15119-15129.	1.9	25
17	Ligand-Field Energy Splitting in Lanthanide-Based Single-Molecule Magnets by NMR Spectroscopy. <i>Inorganic Chemistry</i> , 2017, 56, 15285-15294.	1.9	31
18	A series of planar tetranuclear lanthanide complexes: axial ligand modulated magnetic dynamics in Dy_4 species. <i>RSC Advances</i> , 2017, 7, 55523-55535.	1.7	42
19	Synthesis and Electronic Structures of Heavy Lanthanide Metallocenium Cations. <i>Journal of the American Chemical Society</i> , 2017, 139, 18714-18724.	6.6	111

#	ARTICLE	IF	CITATIONS
20	Slow Magnetic Relaxation in a Dysprosium Ammonia Metallocene Complex. <i>Inorganic Chemistry</i> , 2017, 56, 15049-15056.	1.9	35
21	Hexalanthanide Complexes as Molecular Precursors: Synthesis, Crystal Structure, and Luminescent and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017, 56, 14632-14642.	1.9	15
22	Fine Tuning the Energy Barrier of Molecular Nanomagnets via Lattice Solvent Molecules. <i>Scientific Reports</i> , 2017, 7, 15483.	1.6	16
23	A New Bis(phthalocyaninato) Terbium Single-Ion Magnet with an Overall Excellent Magnetic Performance. <i>Inorganic Chemistry</i> , 2017, 56, 13889-13896.	1.9	53
24	Slow Spin Relaxation in Dioxocobaltate(II) Anions Embedded in the Lattice of Calcium Hydroxyapatite. <i>Inorganic Chemistry</i> , 2017, 56, 14077-14083.	1.9	13
26	The Vibrancy and Variety of Modern f-Element Organometallic Chemistry. <i>Organometallics</i> , 2017, 36, 4507-4510.	1.1	1
27	Pentagonal-Bipyramid Ln(III) Complexes Exhibiting Single-Ion-Magnet Behavior: A Rational Synthetic Approach for a Rigid Equatorial Plane. <i>Inorganic Chemistry</i> , 2018, 57, 2398-2401.	1.9	54
28	Spin states, vibrations and spin relaxation in molecular nanomagnets and spin qubits: a critical perspective. <i>Chemical Science</i> , 2018, 9, 3265-3275.	3.7	193
29	Anisotropy of Co ^{II} transferred to the Cr ₇ Co polymetallic cluster <i>via</i> strong exchange interactions. <i>Chemical Science</i> , 2018, 9, 3555-3562.	3.7	20
30	Multifunctional Compound Combining Conductivity and Single-Molecule Magnetism in the Same Temperature Range. <i>Inorganic Chemistry</i> , 2018, 57, 2386-2389.	1.9	24
31	Chiral bis(phthalocyaninato) terbium double-decker compounds with enhanced single-ion magnetic behavior. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 939-943.	3.0	20
32	Low-Coordinate Single-Ion Magnets by Intercalation of Lanthanides into a Phenol Matrix. <i>Angewandte Chemie</i> , 2018, 130, 4763-4766.	1.6	16
33	Low-Coordinate Single-Ion Magnets by Intercalation of Lanthanides into a Phenol Matrix. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4673-4676.	7.2	94
34	Heterotrimetallic complexes in molecular magnetism. <i>Chemical Communications</i> , 2018, 54, 3559-3577.	2.2	88
35	Trendbericht Anorganische Chemie 2017: Koordinationschemie und Bioanorganik. <i>Nachrichten Aus Der Chemie</i> , 2018, 66, 230-239.	0.0	0
36	Symmetry strategies for high performance lanthanide-based single-molecule magnets. <i>Chemical Society Reviews</i> , 2018, 47, 2431-2453.	18.7	790
37	Synthesis, structure and magnetic properties of tris(pyrazolyl)methane lanthanide complexes: effect of the anion on the slow relaxation of magnetization. <i>Dalton Transactions</i> , 2018, 47, 5153-5156.	1.6	23
38	Coupling photo-, mechano- and thermochromism and single-ion-magnetism of two mononuclear dysprosium ^{III} anthracene ^{9,10} -phosphonate complexes. <i>Chemical Communications</i> , 2018, 54, 3278-3281.	2.2	39

#	ARTICLE	IF	CITATIONS
39	Spin dynamics in the single-ion magnet $[Er(mgda)_2]ClO_4$. Physical Review B, 2018, 97, . xlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mo>[</mml:mo><mml:mrow><mml:mi>Er</mml:mi></mml:mrow></mml:msup></mml:math>	1.1	6
40	Physical Review B, 2018, 97, . Single-Crystal to Single-Crystal Transformations and Magnetic Properties of a Series of "Butterfly" NiII 2 LnIII 2 Compounds: SMM Behavior of the Dysprosium(III) Analogue. European Journal of Inorganic Chemistry, 2018, 2018, 2793-2804.	1.0	15
41	Fabricating Bis(phthalocyaninato) Terbium SIM into Tetrakis(phthalocyaninato) Terbium SMM with Enhanced Performance through Sodium Coordination. Chemistry - A European Journal, 2018, 24, 8066-8070.	1.7	28
42	A Pseudo-Octahedral Cobalt(II) Complex with Bispyrazolylpyridine Ligands Acting as a Zero-Field Single-Molecule Magnet with Easy Axis Anisotropy. Chemistry - A European Journal, 2018, 24, 8857-8868.	1.7	60
43	Dinuclear Dy ₂ Single-Molecule Magnets: Functional Modulation on the Bridging Ligand and Different Relaxation Performances within the Single-Crystal to Single-Crystal System. Chemistry - an Asian Journal, 2018, 13, 1725-1734.	1.7	13
44	Slow Magnetic Relaxation in a Palladium-Gadolinium Complex Induced by Electron Density Donation from the Palladium Ion. Chemistry - A European Journal, 2018, 24, 9285-9294.	1.7	34
45	Manipulating the Relaxation of Quasi-D _{4d} Dysprosium Compounds through Alternation of the O-Donor Ligands. Inorganic Chemistry, 2018, 57, 4534-4542.	1.9	34
46	A Dy ₂ Dimer Embedded in One Salen-type Ligand with Different Local Symmetries Behaves as Zero-Field Single-Molecule Magnet. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 443-448.	0.6	3
47	Teaching an old molecule new tricks: evidence and rationalisation of the slow magnetisation dynamics in [DyTp ₂ Acac]. Inorganic Chemistry Frontiers, 2018, 5, 1346-1353.	3.0	15
48	Magnetization relaxation in the single-ion magnet DySc ₂ N@C ₈₀ : quantum tunneling, magnetic dilution, and unconventional temperature dependence. Physical Chemistry Chemical Physics, 2018, 20, 11656-11672.	1.3	49
49	Chiral Ln ^{III} (tetramethylurea) ⁺ [W ^V (CN) ₈] Coordination Chains Showing Slow Magnetic Relaxation. Crystal Growth and Design, 2018, 18, 1848-1856.	1.4	12
50	trans-to-cis photo-isomerization in merocyanine dysprosium and yttrium complexes. Dalton Transactions, 2018, 47, 4139-4148.	1.6	23
51	Correlation of Structural and Magnetic Properties in a Set of Mononuclear Lanthanide Complexes. Chemistry - A European Journal, 2018, 24, 5319-5330.	1.7	21
52	Measurement of Magnetic Exchange in Asymmetric Lanthanide Dimetallics: Toward a Transferable Theoretical Framework. Journal of the American Chemical Society, 2018, 140, 2504-2513.	6.6	73
53	Single-molecule magnet behavior in a Cu ^{II} -decorated {DyIII ₂ } complex with nitronyl nitroxide biradicals. Journal of Materials Chemistry C, 2018, 6, 2060-2068.	2.7	28
54	Single Ion Magnets from 3d to 5f: Developments and Strategies. Chemistry - A European Journal, 2018, 24, 7574-7594.	1.7	264
55	Coupling Influences SMM Properties for Pure 4f Systems. Chemistry - A European Journal, 2018, 24, 6079-6086.	1.7	57
56	Electron-assisted magnetization tunneling in single spin systems. Physical Review B, 2018, 97, .	1.1	3

#	ARTICLE	IF	CITATIONS
57	Antiferromagnetic exchange and long-range magnetic ordering in supramolecular networks constructed of hexacyanido-bridged Ln ^{III} (3-pyridone)Cr ^{III} (Ln = Gd, Tb) chains. <i>CrystEngComm</i> , 2018, 20, 1271-1281.	1.3	7
58	Magnetic Slow Relaxation in a Metal–Organic Framework Made of Chains of Ferromagnetically Coupled Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2018, 24, 6983-6991.	1.7	64
59	Exploiting Miraculous Atmospheric CO ₂ Fixation in the Design of Dysprosium Single-Molecule Magnets. <i>Crystal Growth and Design</i> , 2018, 18, 1173-1181.	1.4	22
60	Crystal Field in Rare-Earth Complexes: From Electrostatics to Bonding. <i>Chemistry - A European Journal</i> , 2018, 24, 5538-5550.	1.7	21
61	Large Anisotropy Barrier in a Tetranuclear Single-Molecule Magnet Featuring Low-Coordinate Cobalt Centers. <i>Journal of the American Chemical Society</i> , 2018, 140, 2058-2061.	6.6	56
62	A series of salen-type asymmetric dinuclear Dy(^{III}) complexes: site-resolved two-step magnetic relaxation process. <i>CrystEngComm</i> , 2018, 20, 777-786.	1.3	17
63	A Terminal Fluoride Ligand Generates Axial Magnetic Anisotropy in Dysprosium Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1933-1938.	7.2	78
64	Magnetic anisotropy investigation on light lanthanide complexes. <i>Dalton Transactions</i> , 2018, 47, 1966-1971.	1.6	22
65	Probing the origin of the giant magnetic anisotropy in trigonal bipyramidal Ni(^{II}) under high pressure. <i>Chemical Science</i> , 2018, 9, 1551-1559.	3.7	52
66	A luminescent Schiff-base heterotrinnuclear Zn ₂ Dy single-molecule magnet with an axial crystal field. <i>Dalton Transactions</i> , 2018, 47, 1402-1406.	1.6	30
67	Dynamical spin accumulation in large-spin magnetic molecules. <i>Physical Review B</i> , 2018, 97, .	1.1	5
68	Understanding the Mechanism of Magnetic Relaxation in Pentanuclear {Mn ^{IV} Mn ^{III} ₂ Ln ^{III} ₂ } Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2018, 57, 1158-1170.	1.9	19
69	Modulating the Magnetic Interaction in New Triple-Decker Dysprosium(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2018, 57, 1408-1416.	1.9	32
70	Slow magnetic relaxation influenced by change of symmetry from ideal <i>C_i</i> to <i>D_{3d}</i> in cobalt(^{II})-based single-ion magnets. <i>Dalton Transactions</i> , 2018, 47, 2506-2510.	1.6	31
71	New field-induced single ion magnets based on prolate Er(^{III}) and Yb(^{III}) ions: tuning the energy barrier <i>U_{eff}</i> by the choice of counterions within an N ₃ -tridentate Schiff-base scaffold. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 605-618.	3.0	27
72	A Terminal Fluoride Ligand Generates Axial Magnetic Anisotropy in Dysprosium Complexes. <i>Angewandte Chemie</i> , 2018, 130, 1951-1956.	1.6	23
73	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
74	End-to-end azides as bridging ligands in lanthanide coordination chemistry: Magnetic and magnetocaloric properties of tetranuclear Ln ₄ (Ln = Gd, Dy) complexes exhibiting a rare rhombus topology. <i>Polyhedron</i> , 2018, 151, 255-263.	1.0	17

#	ARTICLE	IF	CITATIONS
75	Exchange Interactions Switch Tunneling: A Comparative Experimental and Theoretical Study on Relaxation Dynamics by Targeted Metal Ion Replacement. <i>Chemistry - A European Journal</i> , 2018, 24, 9928-9939.	1.7	21
76	Low-coordinate mononuclear lanthanide complexes as molecular nanomagnets. <i>Coordination Chemistry Reviews</i> , 2018, 367, 163-216.	9.5	118
77	A family of multi-spin rare-earth complexes based on a triazole nitronyl nitroxide radical: synthesis, structure and magnetic properties. <i>RSC Advances</i> , 2018, 8, 15480-15486.	1.7	14
78	Geometry and Magnetism of Lanthanide Compounds. <i>Topics in Organometallic Chemistry</i> , 2018, , 191-226.	0.7	7
79	Mannich Base Ligands as Versatile Platforms for SMMs. <i>Topics in Organometallic Chemistry</i> , 2018, , 101-161.	0.7	3
80	Excess axial electrostatic repulsion as a criterion for pentagonal bipyramidal Dy ^{III} single-ion magnets with high U_{eff} and T_{B} . <i>Journal of Materials Chemistry C</i> , 2018, 6, 4273-4280.	2.7	68
81	Vanadyl dithiolate single molecule transistors: the next spintronic frontier?. <i>Dalton Transactions</i> , 2018, 47, 5533-5537.	1.6	10
82	Recent advances in luminescent lanthanide based Single-Molecule Magnets. <i>Coordination Chemistry Reviews</i> , 2018, 363, 57-70.	9.5	226
83	Rhodamine Salicylaldehyde Hydrazone Dy(III) Complexes: Fluorescence and Magnetism. <i>Inorganic Chemistry</i> , 2018, 57, 4061-4069.	1.9	30
84	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
85	Enriching lanthanide single-ion magnetism through symmetry and axially. <i>Chemical Communications</i> , 2018, 54, 3685-3696.	2.2	99
86	Is a strong axial crystal-field the only essential condition for a large magnetic anisotropy barrier? The case of non-Kramers Ho(^{III}) versus Tb(^{III}). <i>Dalton Transactions</i> , 2018, 47, 357-366.	1.6	30
87	Sublimable chloroquinolate lanthanoid single-ion magnets deposited on ferromagnetic electrodes. <i>Chemical Science</i> , 2018, 9, 199-208.	3.7	23
88	Fine Control of the Metal Environment within Dysprosium-Based Mononuclear Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 333-339.	1.0	14
89	Two one-dimensional lanthanide compounds with pentagonal bipyramidal ErIII centers showing slow magnetic relaxation. <i>Polyhedron</i> , 2018, 139, 289-295.	1.0	4
90	Slow relaxation of magnetization in a bis-mer-tridentate octahedral Co(^{II}) complex. <i>Dalton Transactions</i> , 2018, 47, 859-867.	1.6	40
91	Effect of coordination geometry on the magnetic properties of a series of Ln ₂ and Ln ₄ hydroxo clusters. <i>Dalton Transactions</i> , 2018, 47, 1726-1738.	1.6	28
92	Slow magnetic relaxation in a neodymium metallocene tetraphenylborate complex. <i>Journal of Organometallic Chemistry</i> , 2018, 857, 164-169.	0.8	15

#	ARTICLE	IF	CITATIONS
93	Constructing Cr ^{III} -centered heterometallic complexes: [NiII6Cr ^{III}] and [Coll6Cr ^{III}] wheels. Dalton Transactions, 2018, 47, 58-61.	1.6	16
94	Steuerung des Metall-Metall-Charge-Transfers zur Erzeugung schaltbarer Materialien. Angewandte Chemie, 2018, 130, 12394-12405.	1.6	28
95	Magnetic Anisotropy Switch: Easy Axis to Easy Plane Conversion and Vice Versa. Advanced Functional Materials, 2018, 28, 1801846.	7.8	31
96	Consecutive one-/two-step relaxation transformations of single-molecule magnets <i>via</i> coupling dinuclear dysprosium compounds with chloride bridges. Chemical Communications, 2018, 54, 12105-12108.	2.2	32
97	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
98	Single molecule magnetic behaviour in lanthanide naphthalenesulfonate complexes. Dalton Transactions, 2018, 47, 17349-17356.	1.6	16
99	A magnetic study of a layered lanthanide hydroxide family: Ln ₈ (OH) ₂₀ Cl ₄ ·nH ₂ O (Ln = Tb, Ho, Er). Dalton Transactions, 2018, 47, 16211-16217.	1.6	4
100	A belt-like one-dimensional Dy chain exhibiting slow magnetic relaxation behavior. Dalton Transactions, 2018, 47, 15298-15302.	1.6	4
101	High-temperature magnetic blocking and magneto-structural correlations in a series of dysprosium(III) metallocenium single-molecule magnets. Chemical Science, 2018, 9, 8492-8503.	3.7	405
102	A mononuclear five-coordinate Co(II) single molecule magnet with a spin crossover between the <i>S</i> = 1/2 and 3/2 states. Dalton Transactions, 2018, 47, 16596-16602.	1.6	39
103	A linear trinuclear ferrous single molecule magnet. Dalton Transactions, 2018, 47, 16704-16708.	1.6	4
104	Chiral, Heterometallic Lanthanide-Transition Metal Complexes by Design. Inorganics, 2018, 6, 72.	1.2	6
105	A Chiral Bipyrimidine-Bridged Dy ₂ SMM: A Comparative Experimental and Theoretical Study of the Correlation Between the Distortion of the DyO ₆ N ₂ Coordination Sphere and the Anisotropy Barrier. Frontiers in Chemistry, 2018, 6, 537.	1.8	22
106	Field-Induced Dysprosium Single-Molecule Magnet Based on a Redox-Active Fused 1,10-Phenanthroline-Tetrathiafulvalene-1,10-Phenanthroline Bridging Triad. Frontiers in Chemistry, 2018, 6, 552.	1.8	8
107	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
108	Concise Chemistry Modulation of the SMM Behavior within a Family of Mononuclear Dy(III) Complexes. Inorganic Chemistry, 2018, 57, 14843-14851.	1.9	48
109	Trinuclear Triplesalophen Building Blocks with Terminal Cyanides and Implications for the Spin-Polarization Mechanism for Low-Spin Fe ^{III} and Cr ^{III} Ions. European Journal of Inorganic Chemistry, 2018, 2018, 4987-4996.	1.0	4
110	A Co(II)-Hydrazone Schiff Base Single Ion Magnet Exhibiting Field Induced Slow Relaxation Dynamics. Magnetochemistry, 2018, 4, 56.	1.0	4

#	ARTICLE	IF	CITATIONS
111	A tunable lanthanide cubane platform incorporating air-stable radical ligands for enhanced magnetic communication. <i>Communications Chemistry</i> , 2018, 1, .	2.0	20
112	Field-Induced Single Molecule Magnets of Phosphine- and Arsine-Oxides. <i>Frontiers in Chemistry</i> , 2018, 6, 420.	1.8	7
113	Synthesis, Crystal Structures and Magnetic Properties of Two Heterobridged μ^2 -Phenoxo- μ -1,1'-Azide/Isocyanate Dinickel(II) Compounds: Experimental and Theoretical Exploration. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4556-4565.	1.0	11
114	Does Symmetry Influence the Properties of $[Mn^{III}_6Cr^{III}_3]^{3+}$ Single-Molecule Magnets?. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1354-1360.	0.6	5
115	CONDON 3.0: An Updated Software Package for Magnetochemical Analysis—All the Way to Polynuclear Actinide Complexes. <i>Journal of Computational Chemistry</i> , 2018, 39, 2133-2145.	1.5	29
116	Thiacalix[4]arene-supported mononuclear lanthanide compounds: slow magnetic relaxation in dysprosium and erbium analogues. <i>New Journal of Chemistry</i> , 2018, 42, 17968-17974.	1.4	13
117	Self-assembly of rare octanuclear quad(double-stranded) cluster helicates showing slow magnetic relaxation and the magnetocaloric effect. <i>New Journal of Chemistry</i> , 2018, 42, 17652-17658.	1.4	15
118	Lanthanidocenes: Synthesis, Structure, and Bonding of Linear Sandwich Complexes of Lanthanides. <i>Journal of the American Chemical Society</i> , 2018, 140, 14433-14439.	6.6	50
119	Field-Induced Slow Magnetic Relaxation Behavior in a Mononuclear Dy(III) Complex based on 8-Hydroxyquinoline Derivate Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1635-1640.	0.6	2
120	Field-induced single molecule magnet behavior of a Dy(III)-NaI one-dimensional chain extended by acetate ions. <i>Inorganic Chemistry Communication</i> , 2018, 98, 127-131.	1.8	13
121	Mononuclear Lanthanide Complexes with 18-Crown-6 Ether: Synthesis, Characterization, Magnetic Properties, and Theoretical Studies. <i>Inorganic Chemistry</i> , 2018, 57, 13225-13234.	1.9	19
122	Connecting Visible Photoluminescence and Slow Magnetic Relaxation in Dysprosium(III) Octacyanidorhenate(V) Helices. <i>Inorganic Chemistry</i> , 2018, 57, 14039-14043.	1.9	15
123	The First Series of Heterometallic Ln ^{III} -V ^{IV} Complexes Based on Substituted Malonic Acid Anions: Synthesis, Structure and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 5075-5090.	1.0	14
124	rhOver: Determination of magnetic anisotropy and related properties for dysprosium(III) single-ion magnets by semiempirical approaches utilizing Hartree-Fock wave functions. <i>Journal of Computational Chemistry</i> , 2018, 39, 2697-2712.	1.5	2
125	New Silver(I) Coordination Polymer with Fe ₄ Single-Molecule Magnets as Long Spacer. <i>Magnetochemistry</i> , 2018, 4, 43.	1.0	5
128	Exploring High-Symmetry Lanthanide-Functionalized Polyoxopalladates as Building Blocks for Quantum Computing. <i>Inorganics</i> , 2018, 6, 101.	1.2	7
129	Enantiopure Benzamidinate/Cyclooctatetraene Complexes of the Rare-Earth Elements: Synthesis, Structure, and Magnetism. <i>Organometallics</i> , 2018, 37, 3708-3717.	1.1	14
130	Mononuclear Lanthanide(III)-Salicylideneaniline Complexes: Synthetic, Structural, Spectroscopic, and Magnetic Studies. <i>Magnetochemistry</i> , 2018, 4, 45.	1.0	12

#	ARTICLE	IF	CITATIONS
131	Magnetic hysteresis up to 80 kelvin in a dysprosium metallocene single-molecule magnet. <i>Science</i> , 2018, 362, 1400-1403.	6.0	1,337
132	Coordination Clusters of 3d-Metals That Behave as Single-Molecule Magnets (SMMs): Synthetic Routes and Strategies. <i>Frontiers in Chemistry</i> , 2018, 6, 461.	1.8	61
133	Synthesis, Crystal Structures, and Magnetic Properties of New Hexanuclear Mn ^{III} ₂ Ln ^{III} ₄ Complexes: SMM Behavior of the Terbium(III) Analogue. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 5191-5202.	1.0	2
134	Sublimable Single Ion Magnets Based on Lanthanoid Quinolate Complexes: The Role of Intermolecular Interactions on Their Thermal Stability. <i>Inorganic Chemistry</i> , 2018, 57, 14170-14177.	1.9	13
135	Construction and Magnetic Study of a Trigonal-Prismatic Cobalt(II) Single-Ion Magnet. <i>Inorganic Chemistry</i> , 2018, 57, 14047-14051.	1.9	42
136	An Unusual Ln ^{III} -Based Metal-Organic Framework with Dinuclear Nodes Exhibiting Single-Molecular Magnet Behavior. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 5007-5011.	1.0	3
137	A new salicylaldehyde-based azo dye and its two lanthanide(ⁱⁱⁱ) complexes displaying slow magnetic relaxation. <i>Dalton Transactions</i> , 2018, 47, 14975-14984.	1.6	13
138	Descriptors of magnetic anisotropy revisited. <i>Chemical Communications</i> , 2018, 54, 12163-12166.	2.2	6
139	Single-Ion Anisotropy: An Insight to Complicated Magnetic Molecules. <i>Topics in Organometallic Chemistry</i> , 2018, , 227-252.	0.7	1
140	Synthesis and molecular structure of pentadienyl complexes of the rare-earth metals. <i>Dalton Transactions</i> , 2018, 47, 14468-14482.	1.6	21
141	Counteranion Modulated Crystal Growth and Function of One-Dimensional Homochiral Coordination Polymers: Morphology, Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2018, 57, 12143-12154.	1.9	17
142	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
143	An intense luminescent Dy(ⁱⁱⁱ) single-ion magnet with the acylpyrazolonate ligand showing two slow magnetic relaxation processes. <i>New Journal of Chemistry</i> , 2018, 42, 16992-16998.	1.4	13
144	Rare-Earth Cyclobutadienyl Sandwich Complexes: Synthesis, Structure and Dynamic Magnetic Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 16779-16782.	1.7	40
145	Effects of coordination sphere on unusually large zero field splitting and slow magnetic relaxation in trigonally symmetric molecules. <i>Chemical Science</i> , 2018, 9, 9018-9026.	3.7	34
146	Rational construction of a porous lanthanide coordination polymer featuring reversible guest-dependent magnetic relaxation behavior. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2875-2884.	3.0	25
147	Implementation of slow magnetic relaxation in a SIM-MOF through a structural rearrangement. <i>Dalton Transactions</i> , 2018, 47, 14734-14740.	1.6	10
148	Slow Relaxation of the Magnetization in Bis-Decorated Chiral Helicene-Based Coordination Complexes of Lanthanides. <i>Magnetochemistry</i> , 2018, 4, 39.	1.0	13

#	ARTICLE	IF	CITATIONS
149	Synthesis, structure and magnetic investigations of dinuclear lanthanide complexes based on 2-ethoxycinnamate. <i>Dalton Transactions</i> , 2018, 47, 13647-13656.	1.6	5
150	Cyclic OFF/Part/ON switching of single-molecule magnet behaviours <i>via</i> multistep single-crystal-to-single-crystal transformation between discrete Fe(Dy) complexes. <i>Chemical Communications</i> , 2018, 54, 10886-10889.	2.2	37
151	Element-specific magnetic properties of mixed Dy_3 metallacrowns. <i>Physical Review B</i> , 2018, 98, .	1.1	1
152	Family of $[\text{Ln}_4\text{Mn}_8]$ ($\text{Ln} = \text{Gd, Tb, Dy, Ho}$) and Y_4Mn_8 single-molecule magnets from the use of 2-(pyridine-2-yl)propan-2-ol. <i>Polyhedron</i> , 2018, 155, 34-41.	1.0	2
153	Mononuclear Dysprosium(III) Complexes with Triphenylphosphine Oxide Ligands: Controlling the Coordination Environment and Magnetic Anisotropy. <i>Inorganics</i> , 2018, 6, 61.	1.2	17
154	Syntheses, Crystal Structures and Magnetic Properties of Heterodinuclear Nickel(II)-Manganese(II)-Based One- and Two-Dimensional Coordination Polymers: Magnetostructural Correlation. <i>ChemistrySelect</i> , 2018, 3, 9402-9408.	0.7	3
155	Magnetic Dynamics of a Neodymium(III) Single-Ion Magnet. <i>Inorganic Chemistry</i> , 2018, 57, 11782-11787.	1.9	32
156	Ab Initio Prediction of Tunneling Relaxation Times and Effective Demagnetization Barriers in Kramers Lanthanide Single-Molecule Magnets. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5327-5333.	2.1	69
157	Assembly of Lanthanide(III) Cubanes and Dimers with Single-Molecule Magnetism and Photoluminescence. <i>Inorganic Chemistry</i> , 2018, 57, 6893-6902.	1.9	38
158	Role of Ab Initio Calculations in the Design and Development of Lanthanide Based Single Molecule Magnets. <i>Topics in Organometallic Chemistry</i> , 2018, , 281-354.	0.7	3
159	Designing a Dy_2 Single-Molecule Magnet with Two Well-Differentiated Relaxation Processes by Using a Nonsymmetric Bis-bidentate Bipyrimidine-N-Oxide Ligand: A Comparison with Mononuclear Counterparts. <i>Inorganic Chemistry</i> , 2018, 57, 6362-6375.	1.9	54
160	Noncovalent Grafting of a Dy^{III}_2 Single-Molecule Magnet onto Chemically Modified Multiwalled Carbon Nanotubes. <i>Inorganic Chemistry</i> , 2018, 57, 6391-6400.	1.9	8
161	Complete Active Space Wavefunction-Based Analysis of Magnetization and Electronic Structure. <i>Topics in Organometallic Chemistry</i> , 2018, , 355-390.	0.7	8
162	A $[\text{Cr}_2\text{Ni}]$ coordination polymer: slow relaxation of magnetization in quasi-one-dimensional ferromagnetic chains. <i>Chemical Communications</i> , 2018, 54, 6153-6156.	2.2	4
163	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
164	Magnetic hysteresis in self-assembled monolayers of Dy-fullerene single molecule magnets on gold. <i>Nanoscale</i> , 2018, 10, 11287-11292.	2.8	32
165	A new \hat{f}^2 -diketonate Dy(III) single-ion magnet featuring multiple magnetic relaxation processes. <i>Journal of Coordination Chemistry</i> , 2018, 71, 2209-2224.	0.8	3
166	Dy_2 and Dy_4 hydroxo clusters assembled using o-vanillin based Schiff bases as ligands and \hat{f}^2 -diketone co-ligands: Dy_4 cluster exhibits slow magnetic relaxation. <i>Polyhedron</i> , 2018, 151, 90-99.	1.0	5

#	ARTICLE	IF	CITATIONS
167	Single-molecule magnet properties of a monometallic dysprosium pentalene complex. <i>Chemical Communications</i> , 2018, 54, 7085-7088.	2.2	36
168	Magnetic relaxation in [Ln(hfac) ₄] ³⁻ anions with [Cu(hfac)-radical] _n ⁿ⁺ cation chains as counterions. <i>Dalton Transactions</i> , 2018, 47, 8142-8148.	1.6	14
169	Lanthanides and actinides: Annual survey of their organometallic chemistry covering the year 2017. <i>Coordination Chemistry Reviews</i> , 2018, 370, 129-223.	9.5	49
170	Hybrid organic-inorganic connectivity of Nd ^{III} (pyrazine- <i>N,N'</i> -dioxide)[Co ^{III} (CN) ₆] ³⁻ coordination chains for creating near-infrared emissive Nd(^{III}) showing field-induced slow magnetic relaxation. <i>Dalton Transactions</i> , 2018, 47, 7870-7874.	1.6	22
171	Reversible SC-SC Transformation Involving [4+4] Cycloaddition of Anthracene: A Single-Ion to Single-Molecule Magnet and Yellow-Green to Blue-White Emission. <i>Angewandte Chemie</i> , 2018, 130, 8713-8717.	1.6	13
172	Lanthanide-Based Porous Coordination Polymers: Syntheses, Slow Relaxation of Magnetization, and Magnetocaloric Effect. <i>Inorganic Chemistry</i> , 2018, 57, 6584-6598.	1.9	38
173	Slow magnetic relaxation and luminescence properties in lanthanide(III)/anil complexes. <i>Dalton Transactions</i> , 2018, 47, 11859-11872.	1.6	15
174	Room Temperature Uniaxial Magnetic Anisotropy Induced By Fe Islands in the InSe Semiconductor Van Der Waals Crystal. <i>Advanced Science</i> , 2018, 5, 1800257.	5.6	6
175	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
176	Nanosized Chiral [Mn ₆ Ln ₂] Clusters Modeled by Enantiomeric Schiff Base Derivatives: Synthesis, Crystal Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2018, 57, 8639-8645.	1.9	25
177	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
178	Molecular Nanomagnets Based on f-Elements. , 2018, , 1-50.		2
179	Magnetic Anisotropy, Magneto-Structural Correlations and Mechanism of Magnetic Relaxation in {Dy ^{III} N ₈ } Complexes: A Theoretical Perspective. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3402-3412.	1.0	12
180	Heteroleptic chiral bis(phthalocyaninato) terbium double-decker single-ion magnets. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2006-2012.	3.0	11
181	Theoretical Investigation of Plutonium-Based Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2018, 57, 8098-8105.	1.9	29
182	Selective Lanthanide Distribution within a Comprehensive Series of Heterometallic [LnPr] Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 8429-8439.	1.9	21
183	Tuning the Magnetic Interactions in Dy(III) ₄ Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2018, 57, 8550-8557.	1.9	62
184	Crystal Field Splittings in Lanthanide Complexes: Inclusion of Correlation Effects beyond Second Order Perturbation Theory. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 3998-4009.	2.3	6

#	ARTICLE	IF	CITATIONS
185	Spin-phonon couplings in transition metal complexes with slow magnetic relaxation. <i>Nature Communications</i> , 2018, 9, 2572.	5.8	93
186	Cyanido-Bridged Clusters with Remote N-Oxide Groups for Branched Multimetallic Systems. <i>Crystal Growth and Design</i> , 2018, 18, 4766-4776.	1.4	6
187	Syntheses, structures and magnetic properties of macrocyclic Schiff base-supported homodinuclear lanthanide complexes. <i>Dalton Transactions</i> , 2018, 47, 11696-11704.	1.6	21
188	Recent Developments in Co ^{III} ₂ Ln ^{III} ₂ Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2067-2089.	1.0	12
189	Metal-ligand pair anisotropy in a series of mononuclear Er-COT complexes. <i>Chemical Science</i> , 2018, 9, 7204-7209.	3.7	36
190	Challenges in Multireference Perturbation Theory for the Calculations of the <i>g</i> -Tensor of First-Row Transition-Metal Complexes. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 4662-4677.	2.3	55
191	(Et ₄ N)[Mo ^{III} (DAPBH)Cl ₂], the first pentagonal-bipyramidal Mo(III) complex with a N ₃ O ₂ -type Schiff-base ligand: manifestation of unquenched orbital momentum and Ising-type magnetic anisotropy. <i>Chemical Communications</i> , 2018, 54, 10084-10087.	2.2	15
192	The slow magnetic relaxation regulated by the coordination, configuration and intermolecular dipolar field in two mononuclear Dy ^{III} single-molecule magnets (SMMs). <i>Dalton Transactions</i> , 2018, 47, 12393-12405.	1.6	27
193	The Effect of Modifying the Macrocyclic Ring Size on Zn ₃ Ln (<i>Ln</i> = Dy, Er, and) Tj ETQq0 0 0 rgBT /Overlock 10 775-779.	0.6	2
194	Terbocenium: completing a heavy lanthanide metallocenium cation family with an alternative anion abstraction strategy. <i>Chemical Communications</i> , 2018, 54, 9182-9185.	2.2	30
195	Peptides as Versatile Platforms for Quantum Computing. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4522-4526.	2.1	15
196	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
197	Tetrametallic Ln(III) (Ln = Gd, Dy) phosphonate clusters: Spin cooler and single-molecule magnet. <i>Inorganica Chimica Acta</i> , 2018, 482, 900-904.	1.2	5
198	Tb ₂ , Dy ₂ , and Zn ₂ Dy ₄ Complexes Showing the Unusual Versatility of a Hydrazone Ligand toward Lanthanoid Ions: a Structural and Magnetic Study. <i>Inorganic Chemistry</i> , 2018, 57, 10100-10110.	1.9	13
199	Magnetic properties of transition metal dimers probed by inelastic neutron scattering. <i>Dalton Transactions</i> , 2018, 47, 11953-11959.	1.6	6
200	Effect of magnetic fields on the methyl rotation in a paramagnetic cobalt(II) complex. Quasielastic neutron scattering studies. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21119-21126.	1.3	10
201	A soft phosphorus atom to "harden" an erbium(III) single-ion magnet. <i>Chemical Science</i> , 2018, 9, 7540-7545.	3.7	72
202	Transformative 3d-4f coordination cluster carriers. <i>Dalton Transactions</i> , 2018, 47, 12011-12034.	1.6	28

#	ARTICLE	IF	CITATIONS
203	Six-Coordinate Ln(III) Complexes with Various Coordination Geometries Showing Distinct Magnetic Properties. <i>Inorganics</i> , 2018, 6, 16.	1.2	13
204	Effect of Low Spin Excited States for Magnetic Anisotropy of Transition Metal Mononuclear Single Molecule Magnets. <i>Inorganics</i> , 2018, 6, 24.	1.2	2
205	Future Directions for Transuranic Single Molecule Magnets. <i>Inorganics</i> , 2018, 6, 26.	1.2	21
206	Field-Induced Slow Relaxation in a Dinuclear Dysprosium(III) Complex Based on 3-Methoxycinnamic Acid. <i>Inorganics</i> , 2018, 6, 35.	1.2	9
207	The Exploration and Analysis of the Magnetic Relaxation Behavior in Three Isostructural Cyano-Bridged 3d ⁴ –4f Linear Heterotrinnuclear Compounds. <i>Inorganics</i> , 2018, 6, 36.	1.2	4
208	Molecular Engineering of High Energy Barrier in Single-Molecule Magnets Based on [MoIII(CN) ₇] ⁴⁻ and V(II) Complexes. <i>Inorganics</i> , 2018, 6, 58.	1.2	9
209	Influence of Radicals on Magnetization Relaxation Dynamics of Pseudo-Octahedral Lanthanide Iminopyridyl Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 9002-9011.	1.9	32
210	Construction and Magnetic Study of One-Dimensional Lanthanide-Radical Chains Involving Pyridinone-Substituted Nitronyl Nitroxide Radicals. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3241-3248.	1.0	6
211	Single-molecule magnet behaviour in a dysprosium-triradical complex. <i>Chemical Communications</i> , 2018, 54, 9726-9729.	2.2	48
212	Synthesis, crystal structure, and magnetic properties of a series of binuclear lanthanide compounds derived from the 4-Bromo-2-((quinolin-8-ylimino)methyl)phenol ligand. <i>Inorganica Chimica Acta</i> , 2018, 482, 779-784.	1.2	5
213	Experimental and theoretical exploration of magnetic exchange interactions and single-molecule magnetic behaviour of bis(μ ^{1,2} -η ⁴ -carboxylate)GdIII ₂ /DyIII ₂ systems. <i>Dalton Transactions</i> , 2018, 47, 11455-11469.	1.6	27
214	Chemical and <i>in silico</i> tuning of the magnetisation reversal barrier in pentagonal bipyramidal Dy(ⁱⁱⁱ) single-ion magnets. <i>Chemical Communications</i> , 2018, 54, 8273-8276.	2.2	68
215	Thermal and Magnetic-Field Stability of Holmium Single-Atom Magnets. <i>Physical Review Letters</i> , 2018, 121, 027201.	2.9	56
216	Slow Magnetic Relaxation in Lanthanoid Crown Ether Complexes: Interplay of Raman and Anomalous Phonon Bottleneck Processes. <i>Chemistry - A European Journal</i> , 2018, 24, 14768-14785.	1.7	42
217	Structure and Single-Molecule Magnetic Property of a Dinuclear Dy ₂ Complex Bridged by the 4-Methylpyridine N-Oxide Ligand. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3668-3674.	1.0	4
218	Synthesis, structure and magnetic properties of two new 3d-3d ² -4f clusters of NiIIHoIII ₂ (M ⁻ = Fe, Co). <i>Inorganica Chimica Acta</i> , 2018, 482, 687-690.	1.2	2
219	Robust lanthanide metal-organic frameworks with highly sensitive sensing of aniline and slow magnetization relaxation behaviors. <i>Polyhedron</i> , 2018, 153, 122-127.	1.0	16
220	Chiral and kryptoracemic Dy(ⁱⁱⁱ) complexes with field-induced single molecule magnet behavior. <i>CrystEngComm</i> , 2018, 20, 4582-4589.	1.3	6

#	ARTICLE	IF	CITATIONS
221	Two Interpenetrated Cobalt(II) Metal-Organic Frameworks with Guest-Dependent Structures and Field-Induced Single-Ion Magnet Behaviors. <i>Crystal Growth and Design</i> , 2018, 18, 5270-5278.	1.4	32
222	Magnetic properties of single rare-earth atoms on graphene/Ir(111). <i>Physical Review B</i> , 2018, 98, .	1.1	23
223	Magnetic Properties of a Terbium-[1]Ferrocenophane Complex: Analogies between Lanthanide-Ferrocenophane and Lanthanide-Bisphthalocyanine Complexes. <i>Angewandte Chemie</i> , 2018, 130, 8296-8301.	1.6	6
224	Field-Induced SMM and Visible/NIR Luminescence Behaviour of Dinuclear Ln ^{III} Complexes with 2-Fluorobenzoate. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1928-1937.	1.0	21
225	Reversible SC-SC Transformation Involving [4+4] Cycloaddition of Anthracene: A Single-Ion to Single-Molecule Magnet and Yellow-Green to Blue-White Emission. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8577-8581.	7.2	97
226	±-Amino acids: Natural and artificial building blocks for discrete polymetallic clusters. <i>Polyhedron</i> , 2018, 151, 1-32.	1.0	9
227	Structure and Magnetization Dynamics of Dy ^{III} Fe and Dy ^{III} Ru Bonded Complexes. <i>Angewandte Chemie</i> , 2018, 130, 8276-8280.	1.6	3
228	Structure and Magnetization Dynamics of Dy ^{III} Fe and Dy ^{III} Ru Bonded Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8144-8148.	7.2	38
229	Magnetic Properties of a Terbium-[1]Ferrocenophane Complex: Analogies between Lanthanide-Ferrocenophane and Lanthanide-Bisphthalocyanine Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8164-8169.	7.2	25
230	Manipulating Metal-to-Metal Charge Transfer for Materials with Switchable Functionality. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12216-12226.	7.2	132
231	A series of rhombus-shaped Ln ₄ clusters: Syntheses, structures, luminescence properties and the SMM behavior of the Dy ₄ analogue. <i>Polyhedron</i> , 2018, 150, 92-96.	1.0	7
232	Coupling Dy ₃ triangles into hexanuclear dysprosium(III) clusters: Syntheses, structures and magnetic properties. <i>Polyhedron</i> , 2018, 150, 40-46.	1.0	6
233	A pair of mononuclear Dy(^{III}) enantiomers showing single-ion magnetic and ferroelectric properties. <i>New Journal of Chemistry</i> , 2018, 42, 10906-10911.	1.4	20
234	Synthesis and Characterization of a Novel Lanthanide Complex with Photoluminescent and Semiconductive Properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2018, 44, 359-364.	0.3	0
235	A neutral auxiliary ligand enhanced dysprosium(^{III}) single molecule magnet. <i>Dalton Transactions</i> , 2018, 47, 7395-7398.	1.6	3
236	Rationalization of single-molecule magnet behavior in a three-coordinate Fe(^{III}) complex with a high-spin state (<i>S</i> = 5/2). <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2486-2492.	3.0	13
237	Enhancing single-molecule magnet behavior of linear CoII-DyIIICoII complex by introducing bulky diamagnetic moiety. <i>Science China Chemistry</i> , 2018, 61, 1399-1404.	4.2	24
238	[Ln ₁₆] complexes (Ln = Gd ^{III} , Dy ^{III}): molecular analogues of natural minerals such as hydrotalcite. <i>Dalton Transactions</i> , 2018, 47, 12847-12851.	1.6	10

#	ARTICLE	IF	CITATIONS
239	Mapping the Magnetic Anisotropy at the Atomic Scale in Dysprosium Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2018, 24, 16576-16581.	1.7	18
240	Single-Molecule Magnet Behavior of 1D Coordination Polymers Based on DyZn ₂ (salen) ₂ Units and Pyridin- <i>N</i> -Oxide-4-Carboxylate: Structural Divergence and Magnetic Regulation. <i>Inorganic Chemistry</i> , 2018, 57, 11077-11086.	1.9	34
241	Heterometallic lanthanide-centred [NiII ₆ Ln ^{III}] ₃ rings. <i>Dalton Transactions</i> , 2018, 47, 12863-12867.	1.6	11
242	Lanthanide(III)-Based Single-Ion Magnets. <i>ACS Omega</i> , 2018, 3, 9462-9475.	1.6	108
243	Dinuclear Ln ^{III} Complexes with 9-Anthracenecarboxylate Showing Field-Induced SMM and Visible/NIR Luminescence. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3859-3867.	1.0	16
244	Syntheses, crystal structures and magnetic properties of a series of ZnII ₂ LnIII ₂ compounds (Ln = Gd, Tb, Tm). <i>Chemical Communications</i> , 2018, 15917-15929.	1.4	6
245	Adsorption-induced pyramidal distortion of the trimetallic nitride core inside the endohedral fullerene Sc ₃ N@C ₈₀ on the Ag(111) surface. <i>Physical Review B</i> , 2018, 98, .	1.1	2
246	Slow magnetic relaxation in mononuclear complexes of Tb, Dy, Ho and Er with the pentadentate (N ₃ O ₂) Schiff-base dapsc ligand. <i>New Journal of Chemistry</i> , 2018, 42, 14883-14893.	1.4	19
247	Important Role of Intermolecular Interaction in Cobalt(II) Single-Ion Magnet from Single Slow Relaxation to Double Slow Relaxation. <i>Inorganic Chemistry</i> , 2018, 57, 10761-10767.	1.9	47
248	Giant Hysteretic Single-Molecule Electric Polarisation Switching above Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13429-13432.	7.2	30
249	Field- and temperature-dependent quantum tunnelling of the magnetisation in a large barrier single-molecule magnet. <i>Nature Communications</i> , 2018, 9, 3134.	5.8	170
250	Slow magnetic dynamics in a family of mononuclear lanthanide complexes exhibiting the rare cubic coordination geometry. <i>Chemical Communications</i> , 2018, 54, 10136-10139.	2.2	16
251	Cyclopentadienyl Ligands in Lanthanide Single-Molecule Magnets: One Ring To Rule Them All?. <i>Accounts of Chemical Research</i> , 2018, 51, 1880-1889.	7.6	198
252	Giant Hysteretic Single-Molecule Electric Polarisation Switching above Room Temperature. <i>Angewandte Chemie</i> , 2018, 130, 13617-13620.	1.6	4
253	Reversible structural transformation induced switchable single-molecule magnet behavior in lanthanide metal-organic frameworks. <i>Chemical Communications</i> , 2018, 54, 10183-10186.	2.2	44
254	Strong Magnetic Coupling and Single-Molecule-Magnet Behavior in Lanthanide-TEMPO Radical Chains. <i>Inorganic Chemistry</i> , 2018, 57, 11044-11057.	1.9	22
255	Arrayed Octahedral {Cr ₂ Dy ₄ } Units into 3D Single-Molecule-Magnet-Like Inorganic Compounds with Sulfate Bridges. <i>Inorganic Chemistry</i> , 2018, 57, 6803-6806.	1.9	13
256	The modular synthesis of rare earth-transition metal heterobimetallic complexes utilizing a redox-active ligand. <i>Dalton Transactions</i> , 2018, 47, 10692-10701.	1.6	17

#	ARTICLE	IF	CITATIONS
257	Heterometallic 3d-4f single molecule magnets containing diamagnetic metal ions. Dalton Transactions, 2018, 47, 8841-8864.	1.6	69
258	Introduction to the electronic structure, luminescence, and magnetism of lanthanides. , 2018, , 1-58.		9
259	Ln(III)-based SIMs. , 2018, , 195-231.		5
260	Heterometallic 3 d- 4 f SMMs. , 2018, , 233-261.		11
261	Tetrathiafulvalene-Based Magnets of Lanthanides. Topics in Organometallic Chemistry, 2018, , 163-189.	0.7	1
262	Observation of Magnetodielectric Effect in a Dysprosium-Based Single-Molecule Magnet. Journal of the American Chemical Society, 2018, 140, 7795-7798.	6.6	99
263	Two {ZnII2Dy^{III}} complexes supported by monophenoxido/dicarboxylate bridges with multiple relaxation processes: carboxylato ancillary ligand-controlled magnetic anisotropy in square antiprismatic Dy^{III} species. Dalton Transactions, 2018, 47, 9482-9491.	1.6	13
264	Isotope effects on the spin dynamics of single-molecule magnets probed using muon spin spectroscopy. Chemical Communications, 2018, 54, 7826-7829.	2.2	15
265	Double and triple pyridine-N-oxide bridged dinuclear Dysprosium(III) dimers and single-molecule magnetic properties. Journal of Molecular Structure, 2019, 1175, 686-697.	1.8	9
266	Chiral Erbium(III) Complexes: Single-Molecule Magnet Behavior, Chirality, and Nuclearity Control. Inorganic Chemistry, 2019, 58, 10694-10703.	1.9	29
267	Modulation of the directions of the anisotropic axes of Dy^{III} ions through utilizing two kinds of organic ligands or replacing Dy^{III} ions by Fe^{III} ions. CrystEngComm, 2019, 21, 5429-5439.	1.3	13
268	Controllable syntheses and magnetic properties of novel homoleptic triple-decker lanthanide complexes. Dalton Transactions, 2019, 48, 13360-13368.	1.6	9
269	Both magnetic relaxation and luminescence of Zn₂Dy₂ cluster complexes regulated by the bis-imine chain in Schiff base ligands. New Journal of Chemistry, 2019, 43, 14502-14510.	1.4	17
270	Decoherence from dipolar interspin interactions in molecular spin qubits. Physical Review B, 2019, 100, .	1.1	13
271	Single Molecule Magnetism with Strong Magnetic Anisotropy and Enhanced Dy ^{III} -Dy ^{III} Coupling in Three Isomers of Dy ^{III} -Oxide Clusterfullerene Dy₂O@C₈₂. Advanced Science, 2019, 6, 1901352.	5.6	40
272	A Ferromagnetically Coupled, Bell-Shaped [Ni₄Gd₅] Cage. Inorganic Chemistry, 2019, 58, 11404-11409.	1.9	8
273	Synthesis and Magnetism of Neutral, Linear Metallocene Complexes of Terbium(II) and Dysprosium(II). Journal of the American Chemical Society, 2019, 141, 12967-12973.	6.6	186
274	Experimental determination of single molecule toric behaviour in a Dy₈ single molecule magnet. Nanoscale, 2019, 11, 15131-15138.	2.8	8

#	ARTICLE	IF	CITATIONS
275	Sizeable Effect of Lattice Solvent on Field Induced Slow Magnetic Relaxation in Seven Coordinated Co ^{II} Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 10686-10693.	1.9	31
276	Tetraoxolene-bridged rare-earth complexes: a radical-bridged dinuclear Dy single-molecule magnet. <i>Dalton Transactions</i> , 2019, 48, 15635-15645.	1.6	22
277	A single-ion single-electron cerrous magnet. <i>Dalton Transactions</i> , 2019, 48, 15928-15935.	1.6	14
278	Synthesis, structures and magnetic properties of [(η -9-C ₉ H ₉)Ln(η -8-C ₈ H ₈)] super sandwich complexes. <i>Nature Communications</i> , 2019, 10, 3135.	5.8	74
279	Microwave assisted synthesis of heterometallic 3d ^{4f} M ₄ Ln complexes. <i>Dalton Transactions</i> , 2019, 48, 12440-12450.	1.6	19
280	Coordination [Co ^{II}] ₂ and [Co ^{II} Zn ^{II}] Helicates Showing Slow Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2019, 58, 9562-9566.	1.9	9
281	Field-induced slow magnetic relaxation in two-dimensional and three-dimensional Co(ⁱⁱ) coordination polymers. <i>Dalton Transactions</i> , 2019, 48, 15529-15536.	1.6	15
282	An imido ligand significantly enhances the effective energy barrier of dysprosium(III) single-molecule magnets. <i>Chemical Communications</i> , 2019, 55, 9355-9358.	2.2	38
283	Theoretical Investigation of the Electronic Structure and Magnetic Properties of Oxo-Bridged Uranyl(V) Dinuclear and Trinuclear Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 10097-10110.	1.9	14
284	Structures, fluorescence properties and magnetic properties of a series of rhombus-shaped LnIII ₄ clusters: magnetocaloric effect and single-molecule-magnet behavior. <i>New Journal of Chemistry</i> , 2019, 43, 12941-12949.	1.4	39
285	Heterometallic 3d ^{4f} Complexes as Single-Molecule Magnets. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4433-4453.	1.7	76
286	Ligand ratio/solvent-influenced syntheses, crystal structures, and magnetic properties of polydentate Schiff base ligand-Dy(ⁱⁱⁱ) compounds with β -diketonate ligands as co-ligands. <i>Dalton Transactions</i> , 2019, 48, 12466-12481.	1.6	26
287	Syntheses, Crystal Structures and Experimental/Theoretical Magnetic Properties of Two Butterfly Ni II 2 Y III 2 Compounds. <i>ChemistrySelect</i> , 2019, 4, 8074-8081.	0.7	0
288	Towards comparative investigation of Er- and Yb-based SMMs: the effect of the coordination environment configuration on the magnetic relaxation in the series of heteroleptic thiocyanate complexes. <i>Dalton Transactions</i> , 2019, 48, 12644-12655.	1.6	33
289	A square antiprism dysprosium single-ion magnet with an energy barrier over 900 K. <i>Chemical Communications</i> , 2019, 55, 9939-9942.	2.2	62
290	Insight into D _{6h} Symmetry: Targeting Strong Axiality in Stable Dysprosium(III) Hexagonal Bipyramidal Single-Ion Magnets. <i>Angewandte Chemie</i> , 2019, 131, 14284-14289.	1.6	33
291	A family of planar hexanuclear CoIII ₄ LnIII ₂ clusters with lucanidae-like arrangement and single-molecule magnet behavior. <i>Dalton Transactions</i> , 2019, 48, 12880-12887.	1.6	11
292	Insight into <i>D_{6h}</i> Symmetry: Targeting Strong Axiality in Stable Dysprosium(III) Hexagonal Bipyramidal Single-Ion Magnets. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14146-14151.	7.2	166

#	ARTICLE	IF	CITATIONS
293	Synthesis, structure and magnetic properties of a series of Ln(III) complexes with radical-anionic iminopyridine ligands: effect of lanthanide ions on the slow relaxation of the magnetization. Dalton Transactions, 2019, 48, 12018-12022.	1.6	15
294	Multireference Ab Initio Studies of Magnetic Properties of Terbium-Based Single-Molecule Magnets. Journal of Physical Chemistry A, 2019, 123, 6996-7006.	1.1	18
295	Lanthanide-Based Layer-Type Two-Dimensional Coordination Polymers Featuring Slow Magnetic Relaxation, Magnetocaloric Effect and Proton Conductivity. Chemistry - an Asian Journal, 2019, 14, 3702-3711.	1.7	32
296	Slow Magnetic Relaxation, Antiferromagnetic Ordering, and Metamagnetism in $\text{Mn}^{\text{II}}(\text{H}_2\text{dpsc})_2\text{Fe}^{\text{III}}(\text{CN})_6$ Chain Complex with Highly Anisotropic Fe-CN-Mn Spin Coupling. Chemistry - A European Journal, 2019, 25, 14583-14597.	1.7	12
297	Low-coordinate rare-earth and actinide complexes. Fundamental Theories of Physics, 2019, , 1-87.	0.1	5
298	Slow relaxation of magnetization in unprecedented Cu-Ln-Rad hetero-tri-spin chains constructed from multidentate nitronyl nitroxide. Journal of Materials Chemistry C, 2019, 7, 9057-9064.	2.7	19
299	Synthesis, Crystal Structures, Magnetic Properties, and Fluorescence of Two Heptanuclear $\text{Co}^{\text{III}}_4\text{Ln}^{\text{III}}_3$ Compounds (Ln = Gd $^{\text{III}}$), Inorganic Chemistry, 2019, 2019, 3411-3423.	1.9	10
300	Field-induced slow magnetic relaxation in the first Dy(III)-centered 12-metallacrown-4 double-decker. Dalton Transactions, 2019, 48, 15381-15385.	1.6	19
301	Synthesis, structure and magnetic properties of a series of dinuclear heteroleptic $\text{Zn}^{\text{II}}/\text{Ln}^{\text{III}}$ Schiff base complexes: effect of lanthanide ions on the slow relaxation of magnetization. Dalton Transactions, 2019, 48, 11637-11641.	1.6	5
302	Regulation of Substituent Effects on Configurations and Magnetic Performances of Mononuclear Dy $^{\text{III}}$ Single-Molecule Magnets. Inorganic Chemistry, 2019, 58, 15330-15343.	1.9	25
303	Metal-Organic Frameworks as Playgrounds for Reticulate Single-Molecule Magnets. Inorganic Chemistry, 2019, 58, 14498-14506.	1.9	23
304	Controlled Heterometallic Composition in Linear Trinuclear $[\text{LnCeLn}]$ Lanthanide Molecular Assemblies. Chemistry - A European Journal, 2019, 25, 15228-15232.	1.7	13
305	Field-induced single molecule magnet behavior of a three-dimensional Dy(III)-based complex. Inorganic Chemistry Communication, 2019, 110, 107584.	1.8	6
306	Role of Ab Initio Calculations in the Design and Development of Organometallic Lanthanide-Based Single-Molecule Magnets. Chemistry - an Asian Journal, 2019, 14, 4056-4073.	1.7	17
307	Are Inorganic Single-Molecule Magnets a Possibility? A Theoretical Insight into Dysprosium Double-Deckers with Inorganic Ring Systems. Inorganic Chemistry, 2019, 58, 14046-14057.	1.9	20
308	Magnetic Anisotropy in $\text{Co}^{\text{II}}\text{X}_4$ (X=O, S, Se) Single-Ion Magnets: Role of Structural Distortions versus Heavy Atom Effect. Chemistry - an Asian Journal, 2019, 14, 4696-4704.	1.7	29
309	Air-Stable Hexagonal Bipyramidal Dysprosium(III) Single-Ion Magnets with Nearly Perfect D_{6h} Local Symmetry. Chemistry - A European Journal, 2019, 25, 16219-16224.	1.7	99
310	Electronic structure and magnetic properties of rare-earth organometallic sandwich compounds. Fundamental Theories of Physics, 2019, , 89-121.	0.1	2

#	ARTICLE	IF	CITATIONS
311	Study on selenium accumulation characteristics of <i>Lycopersicon esculentum</i> , <i>Solanum melongena</i> and <i>Solanum nigrum</i> . IOP Conference Series: Earth and Environmental Science, 2019, 310, 042065.	0.2	1
312	Synthesis and Characterization of a Linear, Two-Coordinate Pt(II) Ketimide Complex. Inorganic Chemistry, 2019, 58, 15927-15935.	1.9	11
313	NMR and μ^+ SR detection of unconventional spin dynamics in Er(trensal) and Dy(trensal) molecular magnets. Physical Review B, 2019, 100, .	1.1	2
314	Spectroscopic Studies of the Magnetic Excitation and Spin-Phonon Couplings in a Single-Molecule Magnet. Chemistry - A European Journal, 2019, 25, 15846-15857.	1.7	22
315	Photochemically Tuned Magnetic Properties in an Erbium(III)-Based Easy-Plane Single-Molecule Magnet. Inorganic Chemistry, 2019, 58, 14440-14448.	1.9	21
316	Radical Dimerization in a Plastic Organic Crystal Leads to Structural and Magnetic Bistability with Wide Thermal Hysteresis. Journal of the American Chemical Society, 2019, 141, 17989-17994.	6.6	31
317	Syntheses, Crystal Structures, and Magnetic Properties of a Series of Defect-Dicubane Tetranickel(II) Systems with Variable, Mixed, and Interchangeable μ_3 -Core Ligands. European Journal of Inorganic Chemistry, 2019, 2019, 4625-4636.	1.0	0
318	In-situ S/TEM Probing of the Coupling among Electrochemical, Thermal, and Mechanical Effect in Rechargeable Batteries. Microscopy and Microanalysis, 2019, 25, 2164-2165.	0.2	0
319	Heterometallic Ln-Cu complexes derived from a phenyl pyrimidyl substituted nitronyl nitroxide biradical. Dalton Transactions, 2019, 48, 14383-14389.	1.6	10
320	Deciphering the influence of structural distortions on the uniaxial magnetic anisotropy of pentagonal bipyramidal Ni(II) complexes. Chemical Communications, 2019, 55, 11547-11550.	2.2	6
321	Exploration of SMM behavior of Ln ₂ complexes derived from thianaphthene-2-carboxylic acid. Dalton Transactions, 2019, 48, 14096-14102.	1.6	15
322	Slow magnetic relaxation in Dy ₂ and Dy ₄ complexes of a versatile, trifunctional polydentate N,O-ligand. Dalton Transactions, 2019, 48, 14269-14278.	1.6	16
323	Exploring the High-Temperature Frontier in Molecular Nanomagnets: From Lanthanides to Actinides. Inorganic Chemistry, 2019, 58, 11883-11892.	1.9	31
324	Enhancing the energy barrier of dysprosium(III) single-molecule magnets by tuning the magnetic interactions through different N-oxide bridging ligands. CrystEngComm, 2019, 21, 6219-6225.	1.3	11
325	A series of dysprosium-based hydrogen-bonded organic frameworks (Dy-HOFs): thermally triggered off μ^+ on conversion of a single-ion magnet. Inorganic Chemistry Frontiers, 2019, 6, 2906-2913.	3.0	42
326	Detection of Spin-Vibration States in Single Magnetic Molecules. Physical Review Letters, 2019, 123, 106803.	2.9	16
327	Linear hexanuclear helical dysprosium single-molecule magnets: the effect of axial substitution on magnetic interactions and relaxation dynamics. Dalton Transactions, 2019, 48, 14062-14068.	1.6	23
328	Evidencing under-barrier phenomena in a Yb(III) SMM: a joint luminescence/neutron diffraction/SQUID study. Inorganic Chemistry Frontiers, 2019, 6, 3152-3157.	3.0	24

#	ARTICLE	IF	CITATIONS
329	Dinuclear Co ^{II} Y ^{III} vs. tetranuclear Co ₂ Y ₂ complexes: the effect of increasing molecular size on magnetic anisotropy and relaxation dynamics. Dalton Transactions, 2019, 48, 14873-14884.	1.6	6
330	How do phonons relax molecular spins?. Science Advances, 2019, 5, eaax7163.	4.7	74
331	Single-Electron Lanthanide-Lanthanide Bonds Inside Fullerenes toward Robust Redox-Active Molecular Magnets. Accounts of Chemical Research, 2019, 52, 2981-2993.	7.6	100
332	The Role of Vibrational Anharmonicity in the Computational Study of Thermal Spin Crossover. Magnetochemistry, 2019, 5, 49.	1.0	8
333	Effect of the change of the ancillary carboxylate bridging ligand on the SMM and luminescence properties of a series of carboxylate-diphenoxido triply bridged dinuclear ZnLn and tetranuclear Zn ₂ Ln ₂ complexes (Ln = Dy, Er). Dalton Transactions, 2019, 48, 190-201.	1.6	13
334	A new family of dinuclear lanthanide complexes constructed from an 8-hydroxyquinoline Schiff base and β^2 -diketone: magnetic properties and near-infrared luminescence. Dalton Transactions, 2019, 48, 1392-1403.	1.6	52
335	Single-molecule magnet behaviour in a Dy(ⁱⁱⁱ) pentagonal bipyramidal complex with a quasi-linear Cl ⁻ Dy ³⁺ Cl sequence. Dalton Transactions, 2019, 48, 35-39.	1.6	18
336	Designing a mononuclear Dy ^{III} single-molecule magnet (SMM) by using a N,O,N,O-based multichelating Schiff base ligand and a β^2 -diketonate ligand. New Journal of Chemistry, 2019, 43, 454-462.	1.4	6
337	The effect of the second coordination sphere on the magnetism of [Ln(NO ₃) ₃ (H ₂ O) ₃] \cdot (18-crown-6) (Ln = Dy and Er). RSC Advances, 2019, 9, 569-575.	1.7	21
338	Counterion influence on dynamic spin properties in a V(^{iv}) complex. Chemical Science, 2019, 10, 548-555.	3.7	23
339	Hexagonal Bipyramidal Dy(III) Complexes as a Structural Archetype for Single-Molecule Magnets. Inorganic Chemistry, 2019, 58, 2610-2617.	1.9	60
340	Hysteresis enhancement on a hybrid Dy(ⁱⁱⁱ) single molecule magnet/iron oxide nanoparticle system. Inorganic Chemistry Frontiers, 2019, 6, 705-714.	3.0	6
341	Tetranuclear rare-earth complexes: energy barrier enhancement and two-step slow magnetic relaxation activated by ligand substitution. Inorganic Chemistry Frontiers, 2019, 6, 756-764.	3.0	15
342	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
343	Rare earth elements: Mendeleev's bane, modern marvels. Science, 2019, 363, 489-493.	6.0	270
344	Molecular multifunctionality preservation upon surface deposition for a chiral single-molecule magnet. Chemical Science, 2019, 10, 3065-3073.	3.7	22
345	Single-Ion Magnet Investigation of ABAB-Type Tetrachloro- and Tetraalkoxy-Substituted Bis(phthalocyaninato) Terbium Double-Decker with D ₂ Symmetrical Ligand Field. European Journal of Inorganic Chemistry, 2019, 2019, 1329-1334.	1.0	2
346	Million-fold Relaxation Time Enhancement across a Series of Phosphino-Supported Erbium Single-Molecule Magnets. Journal of the American Chemical Society, 2019, 141, 1913-1917.	6.6	59

#	ARTICLE	IF	CITATIONS
347	Hard <i>versus</i> soft: zero-field dinuclear Dy(ⁱⁱⁱ) oxygen bridged SMM and theoretical predictions of the sulfur and selenium analogues. <i>Dalton Transactions</i> , 2019, 48, 2872-2876.	1.6	17
348	Building Block and Directional Bonding Approaches for the Synthesis of {DyMn ₄ } _n (<i>n</i> = 2, 3) Metallocrown Assemblies. <i>Crystal Growth and Design</i> , 2019, 19, 1896-1902.	1.4	23
349	Inelastic Neutron Scattering of Lanthanoid Complexes and Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1090-1105.	1.0	27
350	Thiacalix[4]arene-Supported Tetranuclear Tb ^{III} and Eu ^{III} Compounds: Synthesis, Structure, Luminescence, and Magnetism. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 416-421.	0.6	4
351	Impact of fluoride for hydroxide substitution on the magnetic properties of a Co-based single-ion magnet imbedded in the barium apatite crystal lattice. <i>CrystEngComm</i> , 2019, 21, 1193-1199.	1.3	5
352	A new air- and moisture-stable pentagonal-bipyramidal Dy ^{III} single-ion magnet based on the HMPA ligand. <i>Dalton Transactions</i> , 2019, 48, 2213-2219.	1.6	17
353	Magnetic investigations over reversibly switched chiral (phthalocyaninato)(porphyrinato) dysprosium double-decker compounds. <i>Dalton Transactions</i> , 2019, 48, 1586-1590.	1.6	9
354	Heterometallic grids: synthetic strategies and recent advances. <i>Dalton Transactions</i> , 2019, 48, 769-778.	1.6	26
355	Slow magnetic relaxation in a {EuCu ₅ } metallocrown. <i>Dalton Transactions</i> , 2019, 48, 1686-1692.	1.6	24
356	A series of new octanuclear Ln ₈ clusters: magnetic studies reveal a significant cryogenic magnetocaloric effect and slow magnetic relaxation. <i>New Journal of Chemistry</i> , 2019, 43, 1617-1625.	1.4	14
357	Determination of the electronic structure of a dinuclear dysprosium single molecule magnet without symmetry idealization. <i>Chemical Science</i> , 2019, 10, 2101-2110.	3.7	48
358	Fine tuning of magnetization relaxation parameters of the DyO ⁺ single ion magnet in a hydroxy/fluoro-apatite solid solution. <i>CrystEngComm</i> , 2019, 21, 102-107.	1.3	6
359	Magneto-structural studies of two M ^{II} -O ^{II} M bridged homochiral mixed valence Co(II)/Co(III) complexes. <i>Polyhedron</i> , 2019, 170, 34-40.	1.0	3
360	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.	1.0	9
361	Relaxation time enhancement by magnetic dilution in single-molecule magnets: An ab initio study. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165456.	1.0	18
362	Exploring the transport properties of equatorially low-coordinated erbium single ion magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165455.	1.0	1
363	{Mn ^{III} 2Ln ^{III} 2} (Ln ^{III} = Gd, La or Y) butterfly complexes: Ferromagnetic exchange observed between bis- η^4 -alkoxo bridged manganese(III) ions. <i>Polyhedron</i> , 2019, 170, 508-514.	1.0	4
364	Deciphering the origin of variation in the spin ground state and oxidation state of a {Mn ₁₉ } cluster on a Au(111) surface: is the Au(111) surface innocent?. <i>Chemical Communications</i> , 2019, 55, 8238-8241.	2.2	8

#	ARTICLE	IF	CITATIONS
365	Design principle of half-sandwich type erbium single-ion magnets through crystal field engineering: a combined magnetic and electronic structure study. Dalton Transactions, 2019, 48, 10407-10411.	1.6	10
366	Field-induced slow magnetic relaxation in a mononuclear Gd(III) complex. Inorganic Chemistry Communication, 2019, 107, 107449.	1.8	12
367	Determination of the magnetic principal axes of a dysprosium complex with slow relaxation on a single crystal. Journal of Magnetism and Magnetic Materials, 2019, 490, 165475.	1.0	2
368	A large barrier single-molecule magnet without magnetic memory. Dalton Transactions, 2019, 48, 10795-10798.	1.6	34
369	Modulating Magnetic Property of Phthalocyanine Supported M ^{II} –Dy ^{III} (M = Ni, Tj) ETQ ₀ 00rgBT ₁ /Overlock	1.9	13
370	A family of lanthanide complexes with a bis-tridentate nitronyl nitroxide radical: syntheses, structures and magnetic properties. Dalton Transactions, 2019, 48, 10337-10345.	1.6	8
371	Covalency and magnetic anisotropy in lanthanide single molecule magnets: the DyDOTA archetype. Chemical Science, 2019, 10, 7233-7245.	3.7	64
372	Exploring the dual functionality of an ytterbium complex for luminescence thermometry and slow magnetic relaxation. Chemical Science, 2019, 10, 6799-6808.	3.7	83
373	Magnetic Axiality: Design Principles from Molecules to Materials. Trends in Chemistry, 2019, 1, 425-439.	4.4	88
374	A Luminescent Thermometer Exhibiting Slow Relaxation of the Magnetization: Toward Self-Monitored Building Blocks for Next-Generation Optomagnetic Devices. ACS Central Science, 2019, 5, 1187-1198.	5.3	113
375	Large magnetic molecules and what we learn from them. Contemporary Physics, 2019, 60, 127-144.	0.8	32
376	A dichlorido-bridged dinuclear Dy(^{III}) single-molecule magnet with an effective energy barrier larger than 600 K. Chemical Communications, 2019, 55, 7930-7933.	2.2	43
377	Lanthanide Organometallics as Single-Molecule Magnets. Topics in Organometallic Chemistry, 2019, , 253-280.	0.7	9
378	Multifunctional coordination compounds based on lanthanide ions and 5-bromonicotinic acid: magnetic, luminescence and anti-cancer properties. CrystEngComm, 2019, 21, 3881-3890.	1.3	7
379	Switching on single-molecule magnet properties of homoleptic sandwich tris(pyrazolyl)borate dysprosium(^{III}) cations <i>via</i> intermolecular dipolar coupling. Dalton Transactions, 2019, 48, 10610-10618.	1.6	11
380	In-depth investigation of large axial magnetic anisotropy in monometallic 3d complexes using frequency domain magnetic resonance and <i>ab initio</i> methods: a study of trigonal bipyramidal Co(^{II}). Chemical Science, 2019, 10, 6354-6361.	3.7	17
381	Synthesis of a series of hetero-multi-spin Ln ₂ Cu ₃ complexes based on a methyl-pyrazole nitronyl nitroxide radical with slow magnetic relaxation behaviors. Dalton Transactions, 2019, 48, 9187-9193.	1.6	14
382	The Multiple Faces, and Phases, of Magnetic Anisotropy. Inorganic Chemistry, 2019, 58, 11875-11882.	1.9	12

#	ARTICLE	IF	CITATIONS
383	Slow magnetic relaxation in mononuclear gadolinium(III) and dysprosium(III) oxamato complexes. <i>Polyhedron</i> , 2019, 169, 102-113.	1.0	23
384	Trinuclear and Mononuclear Lanthanoid Complexes Containing 2-Methylquinolinolate: Synthesis, Structures, and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2549-2557.	1.0	3
385	Diethyl ether adducts of trivalent lanthanide iodides. <i>Dalton Transactions</i> , 2019, 48, 8030-8033.	1.6	16
386	A mononuclear dysprosium(III) single-molecule magnet with a non-planar metallacrown. <i>New Journal of Chemistry</i> , 2019, 43, 8704-8710.	1.4	17
387	Studies of hysteresis and quantum tunnelling of the magnetisation in dysprosium(III) single molecule magnets. <i>Dalton Transactions</i> , 2019, 48, 8541-8545.	1.6	71
388	Different single-molecule magnets behaviors of carboxyl bridged dinuclear Dy(III) complexes induced by charged and neutral ligand. <i>Inorganica Chimica Acta</i> , 2019, 494, 42-48.	1.2	2
389	A Dy-based complex with the magnetic relaxation behavior regulated by enclosing one Dy(III) ion into a Calix[8]arene ligand. <i>Inorganic Chemistry Communication</i> , 2019, 105, 76-81.	1.8	10
390	Probing and imaging spin interactions with a magnetic single-molecule sensor. <i>Science</i> , 2019, 364, 670-673.	6.0	83
391	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.	1.9	28
392	Toward fast and accurate <i>ab initio</i> calculation of magnetic exchange in polynuclear lanthanide complexes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9769-9778.	1.3	12
393	Sensitivity of Magnetic Anisotropy in the Solid State for Lanthanide Complexes with Small Crystal Field Splitting. <i>Inorganic Chemistry</i> , 2019, 58, 5733-5745.	1.9	15
394	Main Group Chemistry at the Interface with Molecular Magnetism. <i>Chemical Reviews</i> , 2019, 119, 8479-8505.	23.0	159
395	A first peek into sub-picosecond dynamics of spin energy levels in magnetic biomolecules. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10908-10913.	1.3	7
396	Uranocenium: Synthesis, Structure, and Chemical Bonding. <i>Angewandte Chemie</i> , 2019, 131, 10269-10273.	1.6	11
397	Strong Exchange Couplings Drastically Slow Down Magnetization Relaxation in an Air-Stable Cobalt(II) Radical Single-Molecule Magnet (SMM). <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9802-9806.	7.2	40
398	A New Class of Lanthanide Complexes with Three Ligand Centered Radicals: NMR Evaluation of Ligand Field Energy Splitting and Magnetic Coupling. <i>Chemistry - A European Journal</i> , 2019, 25, 10668-10677.	1.7	17
399	Drastische Verlangsamung der magnetischen Relaxation durch starke Austauschkopplungen in einem luftstabilen, radikalverbrückten Cobalt(II)-Einzelmolekülmagneten. <i>Angewandte Chemie</i> , 2019, 131, 9907-9911.	1.6	4
400	Correlating Structure and Magnetic Behavior at High Pressure. , 2019, , 546-546.		0

#	ARTICLE	IF	CITATIONS
401	Uranocenium: Synthesis, Structure, and Chemical Bonding. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10163-10167.	7.2	34
402	Correlating blocking temperatures with relaxation mechanisms in monometallic single-molecule magnets with high energy barriers ($\tau_{eff} > 600$ K). <i>Chemical Communications</i> , 2019, 55, 7025-7028.	2.2	90
403	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.	1.2	7
404	Boosting axiality in stable high-coordinate Dy(III) single-molecule magnets. <i>Chemical Communications</i> , 2019, 55, 5950-5953.	2.2	50
405	N3O6 versus N2O6 coordinated dysprosium slow magnetic relaxation in a tetrathiafulvalene-based dinuclear complex. <i>Polyhedron</i> , 2019, 168, 28-36.	1.0	4
406	Storage of Information Using Small Organic Molecules. <i>ACS Central Science</i> , 2019, 5, 911-916.	5.3	70
407	Syntheses, structures, and magnetic properties of three two-dimensional cobalt(II) single-ion magnets with a $\text{Co}^{\text{II}}\text{N}_4\text{X}_2$ octahedral geometry. <i>CrystEngComm</i> , 2019, 21, 3176-3185.	1.3	20
408	Quantum tunnelling of the magnetisation in single-molecule magnet isotopologue dimers. <i>Chemical Science</i> , 2019, 10, 5138-5145.	3.7	52
409	Light Lanthanide Metallocenium Cations Exhibiting Weak Equatorial Anion Interactions. <i>Chemistry - A European Journal</i> , 2019, 25, 7749-7758.	1.7	29
410	Enhancing Magnetic Behaviors of Dysprosium Single-Molecule Magnets from Crystal Field Perturbation by Deprotonating Schiff-Base Ligand. <i>Crystal Growth and Design</i> , 2019, 19, 3365-3371.	1.4	16
411	Correlation between Slow Magnetic Relaxations and Molecular Structures of Dy(III) Complexes with N5O4 Nona-Coordination. <i>Magnetochemistry</i> , 2019, 5, 27.	1.0	3
412	Correlating magnetic anisotropy with the subtle coordination geometry variation of a series of cobalt(II)-sulfonamide complexes. <i>Dalton Transactions</i> , 2019, 48, 15419-15426.	1.6	20
413	A Trigonal Prismatic Cobalt(II) Complex as a Single Molecule Magnet with a Reduced Contribution from Quantum Tunneling. <i>ChemPhysChem</i> , 2019, 20, 1001-1005.	1.0	37
414	Molecular spins for quantum computation. <i>Nature Chemistry</i> , 2019, 11, 301-309.	6.6	508
415	Hyperfine coupling and slow magnetic relaxation in isotopically enriched Dy(III) mononuclear single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1081-1086.	3.0	38
416	Studies of single atom magnets via scanning tunneling microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 481, 150-155.	1.0	3
417	Progress of organic magnetic materials. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	16
418	Mononuclear lanthanide complexes assembled from a tridentate NNO donor ligand: design of a Dy(III) single-ion magnet. <i>Dalton Transactions</i> , 2019, 48, 4857-4866.	1.6	8

#	ARTICLE	IF	CITATIONS
419	Multiple magnetic relaxation pathways in T-shaped N-heterocyclic carbene-supported Fe(i) single-ion magnets. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1050-1057.	3.0	6
420	Rational engineering of dimeric Dy-based Single-Molecule Magnets for surface grafting. <i>Polyhedron</i> , 2019, 164, 41-47.	1.0	6
421	Slow relaxation in a {TbBa(1±fur)8}n polymer with Ln = Tb(iii) non-Kramers ions. <i>Dalton Transactions</i> , 2019, 48, 5022-5034.	1.6	4
422	Quantum hardware simulating four-dimensional inelastic neutron scattering. <i>Nature Physics</i> , 2019, 15, 455-459.	6.5	89
423	Slow magnetization dynamics in a six-coordinate Fe(ii) radical complex. <i>Dalton Transactions</i> , 2019, 48, 4514-4519.	1.6	6
424	Rational Improvement of Single-Molecule Magnets by Enforcing Ferromagnetic Interactions. <i>Chemistry - A European Journal</i> , 2019, 25, 4992-5004.	1.7	8
425	Slow relaxation of magnetization in a {Fe₆Dy} complex deriving from a family of highly symmetric metallacryptands. <i>Dalton Transactions</i> , 2019, 48, 4779-4783.	1.6	10
426	The Influence of d-f Coupling on Slow Magnetic Relaxation in Ni^{II}/Ln^{III}M^{III} (Ln = Gd, Tb, Dy; M = Cr, Fe, Co) Clusters. <i>European Journal of Inorganic Chemistry</i> , 2019, 2361-2367.	1.0	13
427	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.	1.7	4
428	A series of [2 Å– 2] square grid LnIII4 clusters: a large magnetocaloric effect and single-molecule-magnet behavior. <i>New Journal of Chemistry</i> , 2019, 43, 7419-7426.	1.4	61
429	161 Dy Time-Resolved Domain Synchrotron Mössbauer Spectroscopy for Investigating Single-Molecule Magnets Incorporating Dy Ions. <i>Angewandte Chemie</i> , 2019, 131, 3482-3487.	1.6	4
430	Discrete versus Chain Assembly: Hexacyanometallate Linkers and Macrocyclic {3d-4f} Single-Molecule Magnet Building Blocks. <i>Inorganic Chemistry</i> , 2019, 58, 5543-5554.	1.9	19
431	Field-induced slow relaxation of magnetization in the <i>S</i> = 3/2 octahedral complexes <i>trans</i> -[Co{(OPPh) ₂ }(EPPH) ₂ (dmf) ₂], E = S, Se: effects of Co-Se vs. Co-S coordination. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1405-1414.	3.0	9
432	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
433	Three Dy(III) single-ion magnets bearing the tropolone ligand: structure, magnetic properties and theoretical elucidation. <i>Dalton Transactions</i> , 2019, 48, 6627-6637.	1.6	13
434	Photochromism and photomagnetism in crystalline hybrid materials actuated by nonphotochromic units. <i>Chemical Communications</i> , 2019, 55, 5631-5634.	2.2	160
435	Field Induced Single Ion Magnetic Behaviour in Square-Pyramidal Cobalt(II) Complexes with Easy-Plane Magnetic Anisotropy. <i>Magnetochemistry</i> , 2019, 5, 12.	1.0	14
436	Manipulating Spin Transition To Achieve Switchable Multifunctions. <i>Accounts of Chemical Research</i> , 2019, 52, 1369-1379.	7.6	113

#	ARTICLE	IF	CITATIONS
437	Open-shell jellium aromaticity in metal clusters. <i>Chemical Communications</i> , 2019, 55, 5559-5562.	2.2	15
438	TbO ⁺ in a calcium apatite matrix featuring a triple trigger-type relaxation of magnetization. <i>Dalton Transactions</i> , 2019, 48, 5299-5307.	1.6	10
439	An eight-coordinate ytterbium complex with a hexagonal bipyramid geometry exhibiting field-induced single-ion magnet behaviour. <i>Dalton Transactions</i> , 2019, 48, 5621-5626.	1.6	25
440	Synthesis of a Neutral Mononuclear Four-Coordinate Co(II) Complex Having Two Halved Phthalocyanine Ligands That Shows Slow Magnetic Relaxations under Zero Static Magnetic Field. <i>Inorganic Chemistry</i> , 2019, 58, 5211-5220.	1.9	14
441	Octahedral erbium and ytterbium ion encapsulated in phosphorescent iridium complexes showing field-induced magnetization relaxation. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 484, 139-145.	1.0	8
442	The role of the quadrupolar interaction in the tunneling dynamics of lanthanide molecular magnets. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	16
443	Accurate and unequivocal determination of the crystal-field parameters of lanthanide ions via a multitechnique approach. <i>Physical Review B</i> , 2019, 99, .	1.1	8
444	Recent advance in heterometallic nanomagnets based on TMxLn4 ^x cubane subunits. <i>Coordination Chemistry Reviews</i> , 2019, 387, 129-153.	9.5	60
445	Hohe Blocktemperatur der Magnetisierung und herausragende Koerzitivfeldstärke im Azafulleren Tb ₂ @C ₇₉ N mit einer Einelektronen-Terbium-Terbium-Bindung. <i>Angewandte Chemie</i> , 2019, 131, 5951-5956.	1.6	12
446	A {Tb ₂ Fe ₃ } Pyramid Single-Molecule Magnet with Ferromagnetic Tb-Fe Interaction. <i>Chinese Journal of Chemistry</i> , 2019, 37, 373-377.	2.6	9
447	Single-ion magnet and luminescent properties in a Dy(III) triangular dodecahedral complex. <i>Inorganic Chemistry Communication</i> , 2019, 102, 16-19.	1.8	11
448	Divalent Thulium Crown Ether Complexes with Field-Induced Slow Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2019, 58, 2872-2880.	1.9	30
449	Electronic Energy Levels of Dysprosium(III) ions in Solution. Assigning the Emitting State and the Intraconfigurational 4f ⁿ →4f Transitions in the Visible-NIR Region and Photophysical Characterization of Dy(III) in Water, Methanol, and Dimethyl Sulfoxide. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2734-2744.	1.1	46
450	Tetranuclear dysprosium compound: Synthesis and single-molecule magnet properties. <i>Journal of Solid State Chemistry</i> , 2019, 273, 11-16.	1.4	6
451	Air-stable redox-active nanomagnets with lanthanide spins radical-bridged by a metal-metal bond. <i>Nature Communications</i> , 2019, 10, 571.	5.8	112
452	From zero-dimensional to one-dimensional chain N-oxide bridged compounds with enhanced single-molecule magnetic performance. <i>Dalton Transactions</i> , 2019, 48, 4324-4332.	1.6	11
453	Luminescent Schiff-Base Lanthanide Single-Molecule Magnets: The Association Between Optical and Magnetic Properties. <i>Frontiers in Chemistry</i> , 2019, 7, 63.	1.8	53
454	A decanuclear [Dy _{III} 6Zn _{II} 4] cluster: a {Zn _{II} 4} rectangle surrounding an octahedral {Dy _{III} 6} single molecule magnet. <i>Dalton Transactions</i> , 2019, 48, 3566-3570.	1.6	10

#	ARTICLE	IF	CITATIONS
455	High Blocking Temperature of Magnetization and Giant Coercivity in the Azafullerene Tb ₂ @C ₇₉ N with a Single-Electron Terbium-Terbium Bond. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5891-5896.	7.2	66
456	Structures and magnetic refrigeration properties of three Gd ₂ compounds. <i>Inorganica Chimica Acta</i> , 2019, 489, 155-159.	1.2	7
457	Mononuclear dysprosium complex with single-ion magnetic behavior and its highly selective detection of 1,4-dioxane. <i>Polyhedron</i> , 2019, 162, 171-176.	1.0	3
458	Synthesis and magnetic studies of pentagonal bipyramidal metal complexes of Fe, Co and Ni. <i>Dalton Transactions</i> , 2019, 48, 3243-3248.	1.6	29
459	Lanthanide chain assembled in metal-organic frameworks: Slow relaxation of the magnetization in Dy(III) and Er(III) complexes. <i>Inorganic Chemistry Communication</i> , 2019, 102, 30-34.	1.8	4
460	Recent advances in single molecule magnetism of dysprosium-metallofullerenes. <i>Dalton Transactions</i> , 2019, 48, 2861-2871.	1.6	65
461	Synthesis, structures and magnetic properties of cyano- and amide-bridged FeIII-LnIII tetranuclear heterometallic clusters. <i>Journal of Coordination Chemistry</i> , 2019, 72, 1097-1107.	0.8	4
462	Insights into Single-Molecule-Magnet Behavior from the Experimental Electron Density of Linear Two-Coordinate Iron Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 3211-3218.	1.9	28
463	Structural and magnetic investigations of a binuclear coordination compound of dysprosium(ⁱⁱⁱ) dinitrobenzoate. <i>Dalton Transactions</i> , 2019, 48, 3922-3929.	1.6	5
464	Lanthanide molecules for spin-based quantum technologies. <i>Fundamental Theories of Physics</i> , 2019, , 1-54.	0.1	8
465	A New Single-Molecule Magnet Based on a Cage Cobalt(II) Complex. <i>Russian Journal of Inorganic Chemistry</i> , 2019, 64, 1532-1537.	0.3	8
466	Magnetic Behavior of Luminescent Dinuclear Dysprosium and Terbium Complexes Derived from Phenoxyacetic Acid and 2,2'-Bipyridine. <i>Magnetochemistry</i> , 2019, 5, 56.	1.0	12
467	Magnetism in Ln molecular systems with 4f/valence-shell interplay (FV-magnetism). <i>Chemical Communications</i> , 2019, 55, 13963-13966.	2.2	13
468	Fine-tuning the type of equatorial donor atom in pentagonal bipyramidal Dy(ⁱⁱⁱ) complexes to enhance single-molecule magnet properties. <i>Dalton Transactions</i> , 2019, 48, 16384-16394.	1.6	17
469	Large magnetocaloric effect and remarkable single-molecule-magnet behavior in triangle-assembled LnIII ₆ clusters. <i>New Journal of Chemistry</i> , 2019, 43, 16639-16646.	1.4	43
470	Magnetic properties of on-surface synthesized single-ion molecular magnets. <i>RSC Advances</i> , 2019, 9, 34421-34429.	1.7	14
471	Uncertainty estimates for magnetic relaxation times and magnetic relaxation parameters. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23567-23575.	1.3	200
472	A supramolecular chain of dimeric Dy single molecule magnets decorated with azobenzene ligands. <i>Dalton Transactions</i> , 2019, 48, 16053-16061.	1.6	10

#	ARTICLE	IF	CITATIONS
473	Bis-Monophospholyl Dysprosium Cation Showing Magnetic Hysteresis at 48 K. <i>Journal of the American Chemical Society</i> , 2019, 141, 19935-19940.	6.6	123
474	Structural, Electrochemical, and Magnetic Studies of Bulky Uranium(III) and Uranium(IV) Metallocenes. <i>Inorganic Chemistry</i> , 2019, 58, 16629-16641.	1.9	28
475	In Silico Molecular Engineering of Dysprosocenium-Based Complexes to Decouple Spin Energy Levels from Molecular Vibrations. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7678-7683.	2.1	39
476	Role of charge transfer in hybridization-induced spin transition in metal-organic molecules. <i>Physical Review B</i> , 2019, 100, .	1.1	5
477	In silico design of pseudo D5h actinide based molecular magnets: role of covalency in magnetic anisotropy. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	0.7	10
478	Bromine-bridged Dy ₂ single-molecule magnet: magnetic anisotropy driven by <i>cis/trans</i> stereoisomers. <i>Chemical Communications</i> , 2019, 55, 14661-14664.	2.2	28
479	Hybrid organic-inorganic mononuclear lanthanoid single ion magnets. <i>Chemical Communications</i> , 2019, 55, 14992-14995.	2.2	14
480	Two mononuclear dysprosium(ⁱⁱⁱ) complexes with their slow magnetic relaxation behaviors tuned by coordination geometry. <i>Dalton Transactions</i> , 2019, 48, 16679-16686.	1.6	21
481	Linear-shaped LnIII ₄ and LnIII ₆ clusters constructed by a polydentate Schiff base ligand and a β^2 -diketone co-ligand: structures, fluorescence properties, magnetic refrigeration and single-molecule magnet behavior. <i>Dalton Transactions</i> , 2019, 48, 16744-16755.	1.6	94
482	Synthesis of homoleptic, divalent lanthanide (Sm, Eu) complexes <i>via</i> oxidative transmetallation. <i>Dalton Transactions</i> , 2019, 48, 16869-16872.	1.6	9
483	Electro-activity and magnetic switching in lanthanide-based single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3398-3417.	3.0	55
484	Lanthanide chains containing the naphthalenyl nitronyl nitroxide radical. <i>RSC Advances</i> , 2019, 9, 30302-30308.	1.7	6
485	Electronic structures of bent lanthanide(III) complexes with two N-donor ligands. <i>Chemical Science</i> , 2019, 10, 10493-10502.	3.7	25
486	Single Molecule Magnets. , 2021, , 503-517.		1
487	Detailed Analysis of the Crystal Structures and Magnetic Properties of a Dysprosium(III) Phthalocyaninato Sextuple-Decker Complex: Weak f-f Interactions Suppress Magnetic Relaxation. <i>Chemistry - A European Journal</i> , 2019, 25, 3098-3104.	1.7	20
488	Wide-Range UV-to-Visible Excitation of Near-Infrared Emission and Slow Magnetic Relaxation in Ln ^{III} (4,4'-Azopyridine-1,1-dioxide)[Co ^{III} (CN) ₆] ³⁻ Layered Frameworks. <i>Inorganic Chemistry</i> , 2019, 58, 165-179.		22
489	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
490	Magnetic Coupling in the Ce(III) Dimer Ce ₂ (COT) ₃ . <i>Inorganic Chemistry</i> , 2019, 58, 581-593.	1.9	14

#	ARTICLE	IF	CITATIONS
491	Spectroscopic Determination of the Electronic Structure of a Uranium Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2019, 25, 1758-1766.	1.7	23
492	Luminescent and magnetic properties of mononuclear lanthanide thiocyanates with terpyridine as auxiliary ligand. <i>Inorganica Chimica Acta</i> , 2019, 486, 499-505.	1.2	20
493	Magnetic refrigeration and single-molecule magnet behavior of two rhombus-shaped Ln(III) ₄ (Ln = Gd, Tb) complexes. <i>Journal of Inorganic Chemistry</i> , 2019, 2019, 212-220.	1.0	17
494	Homodinuclear {Ln ^{III} }_2 (Ln = Gd, Tb) complexes with terpyridine as auxiliary ligand and Tb ^{III} Analogues. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 212-220.	1.0	17
495	Structures, luminescent and magnetic properties of three dinuclear lanthanide complexes: Magnetic refrigeration and single-molecule magnet behaviour. <i>Polyhedron</i> , 2019, 158, 371-376.	1.0	5
496	Direct Imaging of Isolated Single-Molecule Magnets in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 2997-3005.	6.6	71
497	Magnetic Cationic Copper(II) Chains and a Mononuclear Cobalt(II) Complex Containing [Ln(hfac) ₄] ⁺ Blocks as Counterions. <i>Inorganic Chemistry</i> , 2019, 58, 1976-1987.	1.9	18
498	Two dinuclear lanthanide(III) compounds based on a multidentate ligand: Structures, magnetic refrigeration and slow magnetic relaxation. <i>Inorganica Chimica Acta</i> , 2019, 486, 83-87.	1.2	18
499	Dysprosium Single-Molecule Magnets with Bulky Schiff Base Ligands: Modification of the Slow Relaxation of the Magnetization by Substituent Change. <i>Chemistry - A European Journal</i> , 2019, 25, 474-478.	1.7	27
500	Capping N-Donor Ligands Modulate the Magnetic Dynamics of Dy ^{III} Diketonate Single-Molecule Magnets with <i>D_{4d}</i> Symmetry. <i>Chemistry - A European Journal</i> , 2019, 25, 3884-3892.	1.7	32
501	Slow relaxation of the magnetization observed in mononuclear Ln ^{III} radical compounds with <i>D_{4d}</i> geometry configurations. <i>Dalton Transactions</i> , 2019, 48, 558-565.	1.6	16
502	¹⁶¹ Dy Time-Resolved Domain Synchrotron Mössbauer Spectroscopy for Investigating Single-Molecule Magnets Incorporating Dy Ions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3444-3449.	7.2	18
503	Tetrathiafulvalene-Based Helicene Ligand in the Design of a Dysprosium Field-Induced Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2019, 58, 52-56.	1.9	30
504	Unravelling the Spin Dynamics of Molecular Nanomagnets with Four-Dimensional Inelastic Neutron Scattering. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1106-1118.	1.0	11
505	Syntheses, structure and single-molecule magnet behavior of a rhombus shaped Dy ₄ cluster. <i>Inorganica Chimica Acta</i> , 2019, 487, 92-96.	1.2	5
506	Propeller-Shaped Fe ₄ and Fe ₃ M Molecular Nanomagnets: A Journey from Crystals to Addressable Single Molecules. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 552-568.	1.0	25
507	Structure and single-molecule magnet behavior of a rhombus-shaped Dy ₄ cluster. <i>Polyhedron</i> , 2019, 157, 316-320.	1.0	3
508	Molecular magnetism of lanthanide: Advances and perspectives. <i>Coordination Chemistry Reviews</i> , 2019, 378, 350-364.	9.5	345

#	ARTICLE	IF	CITATIONS
509	Luminescent single-molecule magnets based on lanthanides: Design strategies, recent advances and magneto-luminescent studies. <i>Coordination Chemistry Reviews</i> , 2019, 378, 365-381.	9.5	272
510	New dinuclear compounds of dysprosium and erbium constructed by an O-vanillin ligand and β^2 -diketonate coligand: Synthesis, near-Infrared luminescent and magnetism. <i>Inorganica Chimica Acta</i> , 2020, 499, 119203.	1.2	5
511	Magnetic properties of calixarene-supported metal coordination clusters. <i>Coordination Chemistry Reviews</i> , 2020, 402, 213066.	9.5	32
512	Including and Declaring Structural Fluctuations in the Study of Lanthanide(III) Coordination Chemistry in Solution. <i>Inorganic Chemistry</i> , 2020, 59, 94-105.	1.9	38
513	A Design Criteria to Achieve Giant Ising-Type Anisotropy in Co II Encapsulated Metallofullerenes. <i>Chemistry - A European Journal</i> , 2020, 26, 464-477.	1.7	12
514	Probing axial anisotropy in dinuclear alkoxide-bridged Er ^{III} -COT single-molecule magnets. <i>Polyhedron</i> , 2020, 175, 114206.	1.0	12
515	Field-induced slow magnetic relaxation in a double hydrazine bridged iron(II) chain. <i>Inorganic Chemistry Communication</i> , 2020, 113, 107772.	1.8	1
516	There is nothing wrong with being soft: using sulfur ligands to increase axiality in a Dy(^{III}) single-ion magnet. <i>Chemical Communications</i> , 2020, 56, 1533-1536.	2.2	23
517	Design of high-temperature <i>if</i> -block molecular nanomagnets through the control of vibration-induced spin relaxation. <i>Chemical Science</i> , 2020, 11, 1593-1598.	3.7	26
518	Three 3D Ln(III)-MOFs based on a nitro-functionalized biphenyltricarboxylate ligand: syntheses, structures, and magnetic properties. <i>CrystEngComm</i> , 2020, 22, 267-274.	1.3	11
519	Bulky ligands shape the separation between the large spin carriers to condition field-induced slow magnetic relaxation. <i>Dalton Transactions</i> , 2020, 49, 300-311.	1.6	9
520	Modulating magnetic dynamics through tailoring the terminal ligands in Dy ₂ single-molecule magnets. <i>Dalton Transactions</i> , 2020, 49, 808-816.	1.6	16
521	Slow magnetic relaxation in Co ^{II} -Ln ^{III} heterodinuclear complexes achieved through a functionalized nitronyl nitroxide biradical. <i>Dalton Transactions</i> , 2020, 49, 1089-1096.	1.6	17
522	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
523	A unique 6-connected three dimensional cobalt (II) coordination compound: Preparation, structure and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2020, 112, 107732.	1.8	2
524	Hysteresis Photomodulation via Single-Crystal-to-Single-Crystal Isomerization of a Photochromic Chain of Dysprosium Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2020, 142, 931-936.	6.6	68
525	Double Ligand Activation in Silyl-Substituted Rare-Earth Cyclobutadienyl Complexes. <i>Organometallics</i> , 2020, 39, 8-12.	1.1	18
526	Magnetic Relaxation Studies on Trigonal Bipyramidal Cobalt(II) Complexes. <i>Chemistry - an Asian Journal</i> , 2020, 15, 391-397.	1.7	11

#	ARTICLE	IF	CITATIONS
527	Carbonyl Back-Bonding Influencing the Rate of Quantum Tunnelling in a Dysprosium Metallocene Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2020, 59, 642-647.	1.9	16
528	Substrate-Independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet Dy ₂ ScN@C ₈₀ on Metals and Insulators. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5756-5764.	7.2	26
529	End-to-End Azido-Bridged Lanthanide Chain Complexes (Dy, Er, Gd, and Y) with a Pentadentate Schiff-Base [N ₃ O ₂] Ligand: Synthesis, Structure, and Magnetism. <i>Inorganic Chemistry</i> , 2020, 59, 563-578.	1.9	30
530	Bifunctional sulfur-ligated erbium complex: Crystal structure, magnetic and luminescent properties. <i>Inorganica Chimica Acta</i> , 2020, 501, 119297.	1.2	4
531	Heterometallic 3d ^{4f} {Co ₂ Gd ₄ } phosphonates: new members of the potential magnetic cooler family. <i>New Journal of Chemistry</i> , 2020, 44, 513-521.	1.4	2
532	Dysprosium-based linear helicate clusters: syntheses, structures, and magnetism. <i>New Journal of Chemistry</i> , 2020, 44, 994-1000.	1.4	22
533	The effect of the electronic structure and flexibility of the counteranions on magnetization relaxation in [Dy(L) ₂ (H ₂ O) ₅] ³⁺ (L = phosphine oxide) <i>Tj ETQq</i>	3.0	10
534	Regulating the structural dimensionality and dynamic properties of a porous dysprosium coordination polymer through solvent molecules. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 930-938.	3.0	24
535	An infrequent luminescent Yb(III)-based single-molecule magnet. <i>Journal of Solid State Chemistry</i> , 2020, 283, 121172.	1.4	5
536	Ferromagnetically-coupled, triangular, [Bu ₄ N] ₂ [CuI ₃ (¹ / ₃ -Br) ₂ (¹ / ₄ -4-O ₂ N-pz) ₃ Br ₃] complex revisited: The effect of coordinated halides on spin relaxation properties. <i>Polyhedron</i> , 2020, 177, 114258.	1.0	1
537	Observation of the asphericity of 4f-electron density and its relation to the magnetic anisotropy axis in single-molecule magnets. <i>Nature Chemistry</i> , 2020, 12, 213-219.	6.6	50
538	Designing Multicoordinating Nitronyl Nitroxide Radical Toward Multinuclear Lanthanide Aggregates. <i>Inorganic Chemistry</i> , 2020, 59, 443-451.	1.9	42
539	In Situ Metal-Ligand Reactions under Solvent-Dependent Hydro(solvo)thermal Conditions: Structures, Mass Spectrometry, and Magnetism. <i>Inorganic Chemistry</i> , 2020, 59, 308-314.	1.9	8
540	Molecular magnetism: from chemical design to spin control in molecules, materials and devices. <i>Nature Reviews Materials</i> , 2020, 5, 87-104.	23.3	604
541	High-Pressure Crystallographic and Magnetic Studies of Pseudo-D _{5h} Symmetric Dy(III) and Ho(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2020, 59, 717-729.	1.9	38
542	Single-Molecule Magnets DyM ₂ N@C ₈₀ and Dy ₂ MN@C ₈₀ (M=Sc, Lu): The Impact of Diamagnetic Metals on Dy ³⁺ Magnetic Anisotropy, Dy...Dy Coupling, and Mixing of Molecular and Lattice Vibrations. <i>Chemistry - A European Journal</i> , 2020, 26, 2436-2449.	1.7	23
543	Decorated Tetrathiafulvalene-Based Ligands: Powerful Chemical Tools for the Design of Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 148-164.	1.0	14
544	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

#	ARTICLE	IF	CITATIONS
545	NMR Study of Spin Dynamics in V7Zn and V7Ni Molecular Rings. <i>Applied Magnetic Resonance</i> , 2020, 51, 1277-1293.	0.6	1
546	Two hexanuclear lanthanide Ln ₆ clusters featuring remarkable magnetocaloric effect and slow magnetic relaxation behavior. <i>New Journal of Chemistry</i> , 2020, 44, 18025-18030.	1.4	14
547	Lanthanoid pyridyl- β^2 -diketonate Δ^{\triangle} ™. New examples of single molecule toroids. <i>Dalton Transactions</i> , 2020, 49, 17421-17432.	1.6	6
548	Tuning the Equatorial Crystal-Field in Mononuclear Dy ^{III} Complexes to Improve Single-Molecule Magnetic Properties. <i>Inorganic Chemistry</i> , 2020, 59, 16117-16121.	1.9	35
549	Long-Range Spin-Selective Transport in Chiral Metal-Organic Crystals with Temperature-Activated Magnetization. <i>ACS Nano</i> , 2020, 14, 16624-16633.	7.3	51
550	Seven-coordinate Ln ^{III} complexes assembled from a bulky ^{Mes} acacH ligand: their synthesis, structure, photoluminescence and SMM behaviour. <i>Dalton Transactions</i> , 2020, 49, 15404-15416.	1.6	9
551	An approach to estimate the barrier height for magnetisation reversal in {Dy ₂ } SMMs using <i>ab initio</i> calculations. <i>Dalton Transactions</i> , 2020, 49, 14781-14785.	1.6	24
553	Dysprosium magnesium silicate apatite featuring field and temperature stable slow magnetization relaxation. <i>RSC Advances</i> , 2020, 10, 37588-37595.	1.7	3
554	A tetranuclear DyIII compound with in situ oxazolidine ligand derived from hydroxyquinoline carboxaldehyde: Synthesis, structure, and SMM behavior. <i>Polyhedron</i> , 2020, 192, 114830.	1.0	2
555	A lanthanide(ⁱⁱⁱ) dodecanuclear structure with a acylhydrazone Schiff-base ligand: slow magnetic relaxation and magnetocaloric effects. <i>CrystEngComm</i> , 2020, 22, 7623-7627.	1.3	3
556	Why lanthanide Er ^{III} SIMs cannot possess huge energy barriers: a theoretical investigation. <i>Dalton Transactions</i> , 2020, 49, 14576-14583.	1.6	50
557	Multifunctional Zn(ⁱⁱ)-Yb(ⁱⁱⁱ) complex enantiomers showing second-harmonic generation, near-infrared luminescence, single-molecule magnet behaviour and proton conduction. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16032-16041.	2.7	41
558	Physical stimulus and chemical modulations of bistable molecular magnetic materials. <i>Chemical Communications</i> , 2020, 56, 13702-13718.	2.2	65
559	Substituent effects of auxiliary ligands in mononuclear dibenzoylmethane Dy ^{III} /Er ^{III} complexes: single-molecule magnetic behavior and luminescence properties. <i>CrystEngComm</i> , 2020, 22, 7929-7934.	1.3	4
560	Blocking like it's hot: a synthetic chemists™ path to high-temperature lanthanide single molecule magnets. <i>Dalton Transactions</i> , 2020, 49, 14320-14337.	1.6	44
561	Structurally modulated single-ion magnets of mononuclear β^2 -diketone dysprosium(iii) complexes. <i>Dalton Transactions</i> , 2020, 49, 14931-14940.	1.6	16
562	Synthesis and structure of half-sandwich SmII and YIII cyclopentadienyl halide complexes with the penta(benzyl)cyclopentadienyl ligand. <i>Russian Chemical Bulletin</i> , 2020, 69, 1085-1091.	0.4	3
563	The Limit of Spin Lifetime in Solid-State Electronic Spins. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6273-6278.	2.1	44

#	ARTICLE	IF	CITATIONS
564	A π -Carbazoyl Dy(III) Half-Sandwich Complex Showing Single-Molecule-Magnet Behavior. <i>Organometallics</i> , 2020, 39, 2785-2790.	1.1	4
565	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
566	Asymmetric Dinuclear Lanthanide(III) Complexes from the Use of a Ligand Derived from 2-Acetylpyridine and Picolinoylhydrazide: Synthetic, Structural and Magnetic Studies. <i>Molecules</i> , 2020, 25, 3153.	1.7	8
567	Influence of anion induced geometry change in Zn(II) on the magnetization relaxation dynamics of Dy(III) in Zn -- Dy -- Zn complexes. <i>Dalton Transactions</i> , 2020, 49, 10580-10593.	1.6	5
568	Strangely attractive: Collaboration and feedback in the field of molecular magnetism. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26248.	1.0	6
569	Ten-Coordinate Lanthanide [Ln(HL)(L)] Complexes (Ln = Dy, Ho, Er, Tb) with Pentadentate N ₃ O ₂ -Type Schiff-Base Ligands: Synthesis, Structure and Magnetism. <i>Magnetochemistry</i> , 2020, 6, 60.	1.0	9
570	Substituent Effects on Exchange Coupling and Magnetic Relaxation in 2,2'-Bipyrimidine Radical-Bridged Dilanthanide Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 21197-21209.	6.6	86
571	Unexpected Supremacy of Non-Dysprosium Single-Molecule Magnets within a Series of Isomorphous Lanthanide Cyanocobaltate(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 4380-4390.	1.0	11
572	Rationally Designing Metal-Organic Frameworks Based on [Ln ₂] Magnetic Building Blocks Utilizing 2-Hydroxyisophthalate and Fine-Tuning the Magnetic Properties of Dy Analogues by Terminal Coordinated Solvents. <i>Inorganic Chemistry</i> , 2020, 59, 16924-16935.	1.9	11
573	Reversible Spin-State Switching and Tuning of Nuclearity and Dimensionality via Nonlinear Pseudohalides in Cobalt(II) Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 17638-17649.	1.9	17
574	High blocking temperatures for DyScS endohedral fullerene single-molecule magnets. <i>Chemical Science</i> , 2020, 11, 13129-13136.	3.7	14
575	Slow relaxation of magnetization in lanthanide biradical complexes based on a functionalized nitronyl nitroxide biradical. <i>Dalton Transactions</i> , 2020, 49, 17414-17420.	1.6	6
576	Optimization of Single-Molecule Magnets by Suppression of Quantum Tunneling of the Magnetization. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3222-3235.	1.0	5
577	Experimental Charge Densities from Multipole Modeling: Moving into the Twenty-First Century. <i>Structure and Bonding</i> , 2020, , 145-182.	1.0	3
578	Synthesis, structure and magnetic property of a linear trinuclear Dy(III) single molecular magnet. <i>Inorganic Chemistry Communication</i> , 2020, 120, 108161.	1.8	2
579	Counter anions influence the relaxation dynamics of phenoxy-bridged Dy ₂ single molecule magnets. <i>Dalton Transactions</i> , 2020, 49, 12372-12379.	1.6	23
580	Giant magnetic anisotropy energy and long coherence time of uranium substitution on defected UO_2 . <i>Physical Review B</i> , 2020, 102, .		
581	Spin-phonon interaction induces tunnel splitting in single-molecule magnets. <i>Physical Review B</i> , 2020, 102, .	1.1	17

#	ARTICLE	IF	CITATIONS
582	Lanthanide Metal-Organic Frameworks Assembled from Unexplored Imidazolylcarboxylic Acid: Structure and Field-Induced Two-Step Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2020, 59, 11930-11934.	1.9	17
583	Field induced slow magnetic relaxation in a zig-zag chain-like Dy(III) complex with the ligand <i>o</i> -phenylenedioxydiacetato. <i>New Journal of Chemistry</i> , 2020, 44, 13458-13465.	1.4	6
584	Incorporating Trigonal-Prismatic Cobalt(II) Blocks into an Exchange-Coupled [Co ₂ Cu] System. <i>Inorganic Chemistry</i> , 2020, 59, 10389-10394.	1.9	8
585	Synthesis, Structure and Magnetic Property of a Tricapped Trigonal Prismatic Tb(III)-Based 3d-4f Complex. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 774, 012042.	0.3	0
586	External stimuli modulate the magnetic relaxation of lanthanide single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3315-3326.	3.0	57
587	Hard X-ray magnetochiral dichroism in a paramagnetic molecular 4f complex. <i>Chemical Science</i> , 2020, 11, 8306-8311.	3.7	16
588	Magnetic Relaxation Dynamics of a Binuclear Diluted Er(III)/Y(III) Compound Influenced by Lattice Solvent. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3013-3019.	1.7	7
589	Role of Coordination Number and Geometry in Controlling the Magnetic Anisotropy in Fe ^{II} , Co ^{II} , and Ni ^{II} Single-Ion Magnets. <i>Chemistry - A European Journal</i> , 2020, 26, 14036-14058.	1.7	76
590	Synthesis, Structures, and Magnetic Properties of Zigzag Tetranuclear Lanthanide Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 1292-1296.	0.6	7
591	Substitution Effects Regulate the Formation of Butterfly-Shaped Tetranuclear Dy(III) Cluster and Dy-Based Hydrogen-Bonded Helix Frameworks: Structure and Magnetic Properties. <i>Inorganic Chemistry</i> , 2020, 59, 11640-11650.	1.9	41
592	Solvent-induced a series of dysprosium complexes with different slow relaxation behavior. <i>Journal of Solid State Chemistry</i> , 2020, 289, 121475.	1.4	7
593	Magnetic hysteresis and strong ferromagnetic coupling of sulfur-bridged Dy ions in clusterfullerene Dy ₂ S@C ₈₂ . <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3521-3532.	3.0	12
594	Mononuclear lanthanide(III)-oxamate complexes as new photoluminescent field-induced single-molecule magnets: solid-state photophysical and magnetic properties. <i>Dalton Transactions</i> , 2020, 49, 16106-16124.	1.6	12
595	Identical anomalous Raman relaxation exponent in a family of single ion magnets: towards reliable Raman relaxation determination?. <i>Dalton Transactions</i> , 2020, 49, 11942-11949.	1.6	16
596	Single-molecule magnet behavior in heteroleptic Dy ³⁺ -chloro-diazabutadiene complexes: influence of the nuclearity and ligand redox state. <i>Dalton Transactions</i> , 2020, 49, 11890-11901.	1.6	17
597	A Quasi-Liner {MnII DyIII MnII} Cluster Featuring In Situ Schiff Base Ligand Transformation. <i>Journal of Cluster Science</i> , 2020, 32, 1411.	1.7	0
598	Azido-Cyanide Mixed-Bridged Fe ^{III} -Ni ^{II} Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 16215-16224.	1.9	11
599	Functionalized Trigonal Lanthanide Complexes: A New Family of 4f Single-Ion Magnets. <i>Inorganic Chemistry</i> , 2020, 59, 16328-16340.	1.9	10

#	ARTICLE	IF	CITATIONS
600	Assembling two Dy ₂ single-molecule magnets with different energy barriers via fine-tuning the geometries of DyIII sites. <i>New Journal of Chemistry</i> , 2020, 44, 20634-20642.	1.4	2
601	Switchable slow relaxation of magnetization in photochromic dysprosium(III) complexes manipulated by a dithienylethene ligand. <i>New Journal of Chemistry</i> , 2020, 44, 20129-20136.	1.4	8
602	Single-ion magnetism in the extended solid-state: insights from X-ray absorption and emission spectroscopy. <i>Chemical Science</i> , 2020, 11, 11801-11810.	3.7	8
603	The First Example of 3d-4f Heterometallic Carboxylate Complex Containing Phosphine Ligand. <i>ChemistrySelect</i> , 2020, 5, 12829-12834.	0.7	7
604	Highly fluorescent aryl-cyclopentadienyl ligands and their tetra-nuclear mixed metallic potassium-dysprosium clusters. <i>RSC Advances</i> , 2020, 10, 39366-39372.	1.7	5
605	Engineering macrocyclic high performance pentagonal bipyramidal Dy(III) single-ion magnets. <i>Chemical Communications</i> , 2020, 56, 12037-12040.	2.2	54
606	Isocyanate Insertion into a La-P Phosphide Bond: A Versatile Route to Phosphaureate-Bridged Heterobimetallic Lanthanide-Coinage-Metal Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 13621-13631.	1.9	6
607	Quantum-chemistry-aided ligand engineering for potential molecular switches: changing barriers to tune excited state lifetimes. <i>Chemical Communications</i> , 2020, 56, 11831-11834.	2.2	4
608	Coumarin-lanthanide based compounds with SMM behavior and high quantum yield luminescence. <i>Dalton Transactions</i> , 2020, 49, 13671-13684.	1.6	15
609	Macrocyclic supported dimetallic lanthanide complexes with slow magnetic relaxation in Dy ₂ analogues. <i>Dalton Transactions</i> , 2020, 49, 14169-14179.	1.6	20
610	Breaking the axiality of pentagonal-bipyramidal dysprosium(III) single-molecule magnets with pyrazolate ligands. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4367-4376.	3.0	7
611	Redox Modulation of Field-Induced Tetrathiafulvalene-Based Single-Molecule Magnets of Dysprosium. <i>Magnetochemistry</i> , 2020, 6, 34.	1.0	7
612	Structure and Magnetic Properties of Two Discrete 3d-4f Heterometallic Complexes. <i>ChemistrySelect</i> , 2020, 5, 9946-9951.	0.7	2
613	Lanthanide cryptate monometallic coordination complexes. <i>Dalton Transactions</i> , 2020, 49, 13557-13565.	1.6	10
614	Relaxation dynamics in see-saw shaped Dy(III) single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4805-4812.	3.0	13
615	Multifunctional Binuclear Ln(III) Complexes Obtained via <i>In Situ</i> Tandem Reactions: Multiple Photoresponses to Volatile Organic Solvents and Anticounterfeiting and Magnetic Properties. <i>Inorganic Chemistry</i> , 2020, 59, 13774-13783.	1.9	34
616	Modulating the structural topologies and magnetic relaxation behaviour of the Mn-Dy compounds by using different auxiliary organic ligands. <i>New Journal of Chemistry</i> , 2020, 44, 16302-16310.	1.4	9
617	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

#	ARTICLE	IF	CITATIONS
618	Magnetic dynamics of an open-ring tridysprosium complex employing mixed ligands. Dalton Transactions, 2020, 49, 14140-14147.	1.6	4
619	Slow magnetic relaxation in a homo dinuclear Dy(^{III}) complex in a pentagonal bipyramidal geometry. Dalton Transactions, 2020, 49, 13110-13122.	1.6	16
620	Origins of Slow Magnetic Relaxation in Single-Molecule Magnets. Physical Review Letters, 2020, 125, 117203.	2.9	58
621	Magnetic Properties and Electronic Structure of the $S = 2$ Complex $[\text{Mn}^{\text{III}}\{\text{OPPh}_2\}_2\text{N}_3]$ Showing Field-Induced Slow Magnetization Relaxation. Inorganic Chemistry, 2020, 59, 13281-13294.	1.9	3
622	Magnetic exchange interactions in symmetric lanthanide dimetallics. Inorganic Chemistry Frontiers, 2020, 7, 3909-3918.	3.0	12
623	Tuning of Spin Crossover Properties in a Series of Mononuclear Cobalt(II) Complexes Based on Macrocyclic Tetradentate Ligand and Pseudohalide Coligands. Dalton Transactions, 2020, , .	1.6	11
624	Tuning Nuclearity of Dysprosium (III) Complexes by Controlling Substitution on Ligand Molecule. ChemistrySelect, 2020, 5, 9787-9792.	0.7	1
625	Modulating magnetic anisotropy in Ln(^{III}) single-ion magnets using an external electric field. Chemical Science, 2020, 11, 10324-10330.	3.7	8
626	A dissymmetric [Gd ₂] coordination molecular dimer hosting six addressable spin qubits. Communications Chemistry, 2020, 3, .	2.0	30
627	Assembly Mechanism and Heavy Metal Ion Sensing of Cage-Shaped Lanthanide Nanoclusters. Cell Reports Physical Science, 2020, 1, 100165.	2.8	26
628	Combining Molecular Spintronics with Electron Paramagnetic Resonance: The Path Towards Single-Molecule Pulsed Spin Spectroscopy. Applied Magnetic Resonance, 2020, 51, 1357-1409.	0.6	9
629	Tuning magnetic anisotropy by the π -bonding features of the axial ligands and the electronic effects of gold(I) atoms in 2D $\{\text{Co}(\text{L})_2[\text{Au}(\text{CN})_2]_2\}_n$ metal-organic frameworks with field-induced single-ion magnet behaviour. Inorganic Chemistry Frontiers, 2020, 7, 4611-4630.	3.0	13
630	Berichtigung: A Dysprosium Metallocene Single-Molecule Magnet Functioning at the Axial Limit. Angewandte Chemie, 2020, 132, 19004-19004.	1.6	0
631	Multiple spin-phonon relaxation pathways in a Kramer single-ion magnet. Journal of Chemical Physics, 2020, 153, 174113.	1.2	49
632	Axial Elongation of Mononuclear Lanthanide Metallocenophanes: Magnetic Properties of Dysprosium and Terbium Ruthenocenophane Complexes. Angewandte Chemie - International Edition, 2020, 59, 13335-13340.	7.2	11
633	An Inconspicuous Six-Coordinate Neutral Dy ^{III} Single-Ion Magnet with Remarkable Magnetic Anisotropy and Stability. Inorganic Chemistry, 2020, 59, 7158-7166.	1.9	31
634	Influence of thermally induced structural transformations on the magnetic and luminescence properties of tartrate-based chiral lanthanide organic-frameworks. Journal of Materials Chemistry C, 2020, 8, 8243-8256.	2.7	21
635	Correlating Electronic Structure and Magnetic Anisotropy in Actinide Complexes $[\text{An}(\text{COT})_2]$, $\text{An}^{\text{III/IV}} = \text{U}, \text{Np}, \text{and Pu}$. Inorganic Chemistry, 2020, 59, 6815-6825.	1.9	21

#	ARTICLE	IF	CITATIONS
636	Understanding magnetic relaxation in single-ion magnets with high blocking temperature. <i>Physical Review B</i> , 2020, 101, .	1.1	94
637	Chirality and Magnetic Properties of One-dimensional Ln (Ln = Gd, Dy) Polymers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 463-468.	0.6	4
638	Fulvalene as a platform for the synthesis of a dimetallic dysprosocenium single-molecule magnet. <i>Chemical Science</i> , 2020, 11, 5745-5752.	3.7	33
639	Sub-Kelvin hysteresis of the dilanthanide single-molecule magnet $C_{2v} Tb_2$. <i>Physical Review B</i> , 2020, 101, .	1.1	10
640	A stable dysprosium(III) complex with a terminal fluoride ligand showing high resolution luminescence and slow magnetic relaxation. <i>Dalton Transactions</i> , 2020, 49, 6969-6973.	1.6	14
641	Axial Elongation of Mononuclear Lanthanide Metallocenophanes: Magnetic Properties of Dysprosium and Terbium Ruthenocenophane Complexes. <i>Angewandte Chemie</i> , 2020, 132, 13437-13442.	1.6	1
642	Effect of Coordination Geometry on Magnetic Properties in a Series of Cobalt(II) Complexes and Structural Transformation in Mother Liquor. <i>Inorganic Chemistry</i> , 2020, 59, 7067-7081.	1.9	27
643	Magnetic Modification and the Mechanism of Tb Phthalocyanine Single Molecule Magnets Prepared by a High Yield Method. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2112-2117.	1.0	8
644	A large axial magnetic anisotropy in trigonal bipyramidal Fe(II). <i>Chemical Communications</i> , 2020, 56, 6826-6829.	2.2	5
645	Probing the Axial Distortion Effect on the Magnetic Anisotropy of Octahedral Co(II) Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 7622-7630.	1.9	34
646	High performance single-molecule magnets, Orbach or Raman relaxation suppression?. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2478-2486.	3.0	76
647	Field-Induced Single-Ion Magnet Phenomenon in Hexabromo- and Hexaiodorhenate(IV) Complexes. <i>Magnetochemistry</i> , 2020, 6, 20.	1.0	5
648	Structure, magnetic anisotropy and relaxation behavior of seven-coordinate Co(II) single-ion magnets perturbed by counter-anions. <i>Dalton Transactions</i> , 2020, 49, 7620-7627.	1.6	21
649	Tuning the Optical Properties of Magnetic Materials. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2669-2678.	1.0	13
650	A trinuclear nickel(II) cluster containing a ditopic redox active ligand: Structural and magnetic properties. <i>Polyhedron</i> , 2020, 183, 114536.	1.0	6
651	Enhancing Magnetic Hysteresis in Single-Molecule Magnets by Ligand Functionalization. <i>CHEM</i> , 2020, 6, 1777-1793.	5.8	103
652	From spin-labelled fused polyaromatic compounds to magnetically active graphene nanostructures. <i>Russian Chemical Reviews</i> , 2020, 89, 693-712.	2.5	15
653	Seeking magneto-structural correlations in easily tailored pentagonal bipyramid Dy(III) single-ion magnets. <i>Science China Chemistry</i> , 2020, 63, 1066-1074.	4.2	29

#	ARTICLE	IF	CITATIONS
654	Trigonal Prismatic Cobalt(II) Single-Ion Magnets: Manipulating the Magnetic Relaxation Through Symmetry Control. <i>Inorganic Chemistry</i> , 2020, 59, 8505-8513.	1.9	32
655	Dysprosium-based complexes with a flat pentadentate donor: a magnetic and <i>ab initio</i> study. <i>Dalton Transactions</i> , 2020, 49, 8389-8401.	1.6	8
656	Investigation of the slow relaxation of the magnetization dynamics in homoleptic ene-diamido organodysprosium(Dy^{III}) complexes with K^+ /arene interactions. <i>CrystEngComm</i> , 2020, 22, 4260-4267.	1.3	6
657	Spin dynamics in single-molecule magnets and molecular qubits. <i>Dalton Transactions</i> , 2020, 49, 9916-9928.	1.6	82
658	Designing asymmetric Dy^{II} single-molecule magnets with two-step relaxation processes by the modification of the coordination environments of Dy^{III} ions. <i>Dalton Transactions</i> , 2020, 49, 8976-8984.	1.6	8
659	Modern quantum chemistry with [Open]Molcas. <i>Journal of Chemical Physics</i> , 2020, 152, 214117.	1.2	281
660	Field-induced slow relaxation of magnetisation in two one-dimensional homometallic dysprosium(Dy^{III}) complexes based on alpha- and beta-amino acids. <i>Dalton Transactions</i> , 2020, 49, 9155-9163.	1.6	18
661	Synthesis and magnetic property of a cobalt complex constructed by a linear $\text{Co}^{\text{II}}\text{NNN}^{\text{Co}}$ unit. <i>Inorganica Chimica Acta</i> , 2020, 511, 119804.	1.2	4
662	Field-induced single-molecule magnet behavior in a Dy-based coordination polymer. <i>Europhysics Letters</i> , 2020, 130, 47002.	0.7	1
663	Exploring the Vibrational Side of Spin-Phonon Coupling in Single-Molecule Magnets via ^{161}Dy Nuclear Resonance Vibrational Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8818-8822.	7.2	12
664	Structural, magnetic, redox and theoretical characterization of seven-coordinate first-row transition metal complexes with a macrocyclic ligand containing two benzimidazolyl N -pendant arms. <i>Dalton Transactions</i> , 2020, 49, 4425-4440.	1.6	17
665	Unbiased evaluation of zero-field splitting D parameter in high-spin molecules from DC magnetic data with incomplete powder averaging. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 510, 166713.	1.0	3
666	On the calibration of drill-string models based on hysteresis cycles data. <i>International Journal of Mechanical Sciences</i> , 2020, 177, 105578.	3.6	4
667	Temperature-induced formation of two dinuclear dysprosium complexes with different magnetic properties. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5622.	1.7	5
668	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
669	Inter-Kramers Transitions and Spin-Phonon Couplings in a Lanthanide-Based Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2020, 59, 5218-5230.	1.9	25
670	Untersuchung von Schwingungen in Bezug auf Spin-Phonon-Kopplung in Einzelmolekülmagneten mittels nuklearer inelastischer Streuung am ^{161}Dy -Kern. <i>Angewandte Chemie</i> , 2020, 132, 8902-8907.	1.6	4
671	Anisotropy of Spin-Lattice Relaxations in Mononuclear Tb^{3+} Single-Molecule Magnets. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7930-7937.	1.5	5

#	ARTICLE	IF	CITATIONS
672	Single-chain magnet behavior in a 2pâ€“3dâ€“4f spin array with a nitronyl nitroxide biradical. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1949-1956.	3.0	16
673	Probing Relaxation Dynamics in Fiveâ€Coordinate Dysprosium Singleâ€Molecule Magnets. <i>Chemistry - A European Journal</i> , 2020, 26, 7774-7778.	1.7	29
674	Trends in trigonal prismatic Ln-[1]ferrocenophane complexes and discovery of a Ho ³⁺ single-molecule magnet. <i>Chemical Science</i> , 2020, 11, 3936-3951.	3.7	16
675	Tuning Magnetic Anisotropy in a Class of Co(II) Bis(hexafluoroacetylacetonate) Complexes. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1469-1477.	1.7	15
676	A method to predict both the relaxation time of quantum tunneling of magnetization and the effective barrier of magnetic reversal for a Kramers single-ion magnet. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9923-9933.	1.3	60
677	Water-stable Ln ^{III} -based coordination polymers displaying slow magnetic relaxation and luminescence sensing properties. <i>New Journal of Chemistry</i> , 2020, 44, 6747-6759.	1.4	15
678	Allâ€Inorganic Singleâ€Ion Magnets in Ceramic Matrices. <i>Chemistry - A European Journal</i> , 2020, 26, 8834-8844.	1.7	12
679	CO ₂ â€fixation into carbonate anions for the construction of 3dâ€4f cluster complexes with salenâ€type Schiff base ligands: from molecular magnetic refrigerants to luminescent singleâ€molecule magnets. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5893.	1.7	13
680	Heteroleptic Lanthanide Complexes Coordinated by Tripodal Tetradentate Ligand: Synthesis, Structure, and Magnetic and Photoluminescent Properties. <i>Crystal Growth and Design</i> , 2020, 20, 5184-5192.	1.4	4
681	Octanuclear Ni ₄ Ln ₄ Coordination Aggregates from Schiff Base Anion Supports and Connecting of Two Ni ₂ Ln ₂ Cubes: Syntheses, Structures, and Magnetic Properties. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2731-2741.	1.7	14
682	Synthesis, Structure, Magnetic and Photoluminescent Properties of Dysprosium(III) Schiff Base Singleâ€Molecule Magnets: Investigation of the Relaxation of the Magnetization. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2706-2715.	1.7	10
683	Alignment of Axial Anisotropy in a 1D Coordination Polymer shows Improved Field Induced Single Molecule Magnet Behavior over a Mononuclear Seven Coordinated Fe ^{II} Complex. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2681-2688.	1.7	5
684	Synthesis, structure, magnetic and luminescence properties of two dysprosium single-molecule magnets based on phenoxide dye ligands. <i>CrystEngComm</i> , 2020, 22, 1909-1913.	1.3	2
685	Periodicity of Singleâ€Molecule Magnet Behaviour of Heterotetranuclear Lanthanide Complexes across the Lanthanide Series: A Compendium. <i>Chemistry - A European Journal</i> , 2020, 26, 6036-6049.	1.7	9
686	Slow magnetic dynamics in centrosymmetric didysprosium and equilateral triangular tridysprosium molecules. <i>Dalton Transactions</i> , 2020, 49, 4164-4171.	1.6	7
687	Exchangeâ€Biasing in a Dinuclear Dysprosium(III) Singleâ€Molecule Magnet with a Large Energy Barrier for Magnetisation Reversal. <i>Chemistry - A European Journal</i> , 2020, 26, 6773-6777.	1.7	41
688	Substrateâ€Independent Magnetic Bistability in Monolayers of the Singleâ€Molecule Magnet Dy ₂ ScN@C ₈₀ on Metals and Insulators. <i>Angewandte Chemie</i> , 2020, 132, 5805-5813.	1.6	1
689	Hexanuclear [Cp*Dy] ₆ single-molecule magnet. <i>Chemical Communications</i> , 2020, 56, 3887-3890.	2.2	11

#	ARTICLE	IF	CITATIONS
690	Understanding a pentagonal-bipyramidal holmium(ⁱⁱⁱ) complex with a record energy barrier for magnetisation reversal. <i>Chemical Communications</i> , 2020, 56, 3979-3982.	2.2	27
691	Single-molecule magnet behavior in luminescent carbazoyl Dy(ⁱⁱⁱ) octahedral complexes with a quasi linear N^{âˆ’}âˆ“Dyâˆ“N^{âˆ’} angle. <i>Dalton Transactions</i> , 2020, 49, 4039-4043.	1.6	11
692	Nanostructured graphene for nanoscale electron paramagnetic resonance spectroscopy. <i>JPhys Materials</i> , 2020, 3, 014013.	1.8	11
693	Hyperfine and quadrupole interactions for Dy isotopes in DyPc₂ molecules. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 274002.	0.7	3
694	A Study of Magnetic Relaxation in Dysprosium(III) Singleâ€Molecule Magnets. <i>Chemistry - A European Journal</i> , 2020, 26, 5893-5902.	1.7	108
695	Nature of Hyperfine Interactions in TbPc₂ Single-Molecule Magnets: Multiconfigurational <i>i>Ab Initio</i> Study. <i>Inorganic Chemistry</i>, 2020, 59, 2771-2780.</i>	1.9	12
696	Unconventional Spin Relaxation Involving Localized Vibrational Modes in Ho Single-Atom Magnets. <i>Physical Review Letters</i> , 2020, 124, 077204.	2.9	33
697	Dysprosiacarboranes as Organometallic Singleâ€Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9350-9354.	7.2	41
698	A phenoxo-O bridged Dy ₂ compound showing two-step magnetic relaxation processes behavior. <i>Inorganic Chemistry Communication</i> , 2020, 115, 107845.	1.8	3
699	Tuning the Single-Molecule Magnetism of Dysprosium Complexes by a Redox-Noninnocent Diborane Ligand. <i>Organometallics</i> , 2020, 39, 4143-4148.	1.1	10
700	Dysprosiacarboranes as Organometallic Singleâ€Molecule Magnets. <i>Angewandte Chemie</i> , 2020, 132, 9436-9440.	1.6	6
701	Slow relaxation of two dimensional salen type lanthanide coordination polymer. <i>Inorganica Chimica Acta</i> , 2020, 507, 119455.	1.2	9
702	Two phenoxo-O bridged dinuclear Dy(III) complexes exhibiting distinct slow magnetic relaxation induced by different Î²-diketonate ligands. <i>Inorganica Chimica Acta</i> , 2020, 505, 119499.	1.2	5
703	Coexistence of Spinâ€Lattice Relaxation and Phononâ€Bottleneck Processes in Gd III â€Phthalocyaninato Tripleâ€Decker Complexes under Highly Diluted Conditions. <i>Chemistry - A European Journal</i> , 2020, 26, 8076-8082.	1.7	16
704	Monoanionic Anilidophosphine Ligand in Lanthanide Chemistry: Scope, Reactivity, and Electrochemistry. <i>Inorganic Chemistry</i> , 2020, 59, 2719-2732.	1.9	12
705	The near-infrared luminescence and magnetism of dinuclear complexes with different local symmetries constructed from a Î²-diketonate co-ligand and bis-Schiff base ligand. <i>New Journal of Chemistry</i> , 2020, 44, 2561-2570.	1.4	9
706	Manipulation of the Coordination Geometry along the <i>C</i><sub>4</sub> Rotation Axis in a Dinuclear Tb<sup>3+</sup> Tripleâ€Decker Complex via a Supramolecular Approach. <i>Chemistry - A European Journal</i>, 2020, 26, 4805-4815.</i>	1.7	13
707	High-Pressure Crystallography as a Guide in the Design of Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2020, 59, 1682-1691.	1.9	14

#	ARTICLE	IF	CITATIONS
708	Effect of Axial Ligands on Easy-Axis Anisotropy and Field-Induced Slow Magnetic Relaxation in Heptacoordinated Fe II Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 4780-4789.	1.7	20
709	Slow magnetic relaxation in O-Se-O bridged manganese(III) Schiff base complexes. <i>New Journal of Chemistry</i> , 2020, 44, 2408-2413.	1.4	15
710	Structural Modulation of Fluorescent Rhodamine-Based Dysprosium(III) Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2020, 59, 2308-2315.	1.9	16
711	<i>In Situ</i> Synthesis of Metal-Salophene Complexes on Intercalated Graphene. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4279-4287.	1.5	4
712	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
713	Magnetization Dynamics and Coherent Spin Manipulation of a Propeller Gd(III) Complex with the Smallest Helicene Ligand. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1508-1515.	2.1	24
714	A capped trigonal prismatic cobalt(II) complex as a structural archetype for single-ion magnets. <i>Dalton Transactions</i> , 2020, 49, 2063-2067.	1.6	32
715	Redox-Modulations of Photophysical and Single-molecule Magnet Properties in Ytterbium Complexes Involving Extended-TTF Triads. <i>Molecules</i> , 2020, 25, 492.	1.7	11
716	Manipulating On/Off Single-Molecule Magnet Behavior in a Dy(III)-Based Photochromic Complex. <i>Journal of the American Chemical Society</i> , 2020, 142, 2682-2689.	6.6	301
717	The Origin of Magnetic Anisotropy and Single-Molecule Magnet Behavior in Chromium(II)-Based Extended Metal Atom Chains. <i>Inorganic Chemistry</i> , 2020, 59, 1763-1777.	1.9	29
718	Luminescence-Driven Electronic Structure Determination in a Textbook Dimeric Dy ^{III} -Based Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2020, 26, 4389-4395.	1.7	23
719	Zn ₂ Ln ₂ complexes with carbonate bridges formed by the fixation of carbon dioxide in the atmosphere: single-molecule magnet behaviour and magnetocaloric effect. <i>Dalton Transactions</i> , 2020, 49, 2121-2128.	1.6	21
720	Multiple slow relaxation of magnetization in Dy ³⁺ confined in the crystal matrix of rare-earth-calcium silicates with the apatite structure. <i>Dalton Transactions</i> , 2020, 49, 2014-2023.	1.6	11
721	Proton Conductive Luminescent Thermometer Based on Near-Infrared Emissive {YbCo ₂ } Molecular Nanomagnets. <i>Journal of the American Chemical Society</i> , 2020, 142, 3970-3979.	6.6	106
722	Experimental Determination of Magnetic Anisotropy in Exchange-Bias Dysprosium Metallocene Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13037-13043.	7.2	40
723	Syntheses, structural characterization, and thermal behavior of cyanide-bridged [2+2]-type tetranuclear rectangle-based molecule constructed from Tm(III) and hexacyanocobaltate(III). <i>Transition Metal Chemistry</i> , 2020, 45, 317-323.	0.7	4
724	Binuclear Scandium Initiators for the Syndiospecific Triblock Copolymerization of Styrene with μ -Caprolactone. <i>Macromolecules</i> , 2020, 53, 3332-3338.	2.2	10
725	Chain versus Discrete Assembly of Nitronyl Nitroxide Radical-Lanthanide Complexes: Regulating Magnetization Dynamics by Modifying Coordination Symmetry. <i>Crystal Growth and Design</i> , 2020, 20, 3785-3794.	1.4	9

#	ARTICLE	IF	CITATIONS
726	Magnetic Anisotropy in Divalent Lanthanide Compounds. <i>Angewandte Chemie</i> , 2020, 132, 12820-12824.	1.6	5
727	Experimental Determination of Magnetic Anisotropy in Exchange-Bias Dysprosium Metallocene Single-Molecule Magnets. <i>Angewandte Chemie</i> , 2020, 132, 13137-13143.	1.6	4
728	Multi-layer 3D chirality: new synthesis, AIE and computational studies. <i>Science China Chemistry</i> , 2020, 63, 692-698.	4.2	27
729	An Octanuclear Cobalt Cluster Protected by Macrocyclic Ligand: In Situ Ligand-Transformation-Assisted Assembly and Single-Molecule Magnet Behavior. <i>Inorganic Chemistry</i> , 2020, 59, 5683-5693.	1.9	36
730	Unveiling phonons in a molecular qubit with four-dimensional inelastic neutron scattering and density functional theory. <i>Nature Communications</i> , 2020, 11, 1751.	5.8	43
731	Effect of magnetic anisotropy on direct chiral discrimination in paramagnetic NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8427-8441.	1.3	2
732	Exchange interactions in photoinduced magnetostructural states of copper(II)-nitroxide spin dyads. <i>Dalton Transactions</i> , 2020, 49, 5851-5858.	1.6	5
733	Six-coordinate mononuclear dysprosium(III) single-molecule magnets with the triphenylphosphine oxide ligand. <i>Dalton Transactions</i> , 2020, 49, 4694-4698.	1.6	12
734	Slow magnetic relaxation and water oxidation activity of dinuclear Co ^{II} Co ^{III} and unique triangular Co ^{II} Co ^{II} Co ^{III} mixed-valence complexes. <i>Dalton Transactions</i> , 2020, 49, 6328-6340.	1.6	15
735	Dysprosium Single-Molecule Magnets Involving 1,10-Phenanthroline-5,6-dione Ligand. <i>Magnetochemistry</i> , 2020, 6, 19.	1.0	8
736	Effects of ligand substituents on the single-molecule magnetic behavior of quinonoid-bridged dicobalt compounds. <i>Dalton Transactions</i> , 2020, 49, 6738-6743.	1.6	6
737	Magnetic Anisotropy in Divalent Lanthanide Compounds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12720-12724.	7.2	29
738	Redox- and solvato-magnetic switching in a tetrathiafulvalene-based triad single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2322-2334.	3.0	27
739	A slowly magnetic relaxing Sm ^{III} monomer with a <i>D_{5h}</i> equatorial compressed ligand field. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2335-2342.	3.0	14
740	Synthesis and characterisation of light lanthanide bis-phospholyl borohydride complexes. <i>Dalton Transactions</i> , 2020, 49, 6504-6511.	1.6	9
741	Modulating SMM behaviors in phenoxo-O bridged Dy ₂ compounds via different \hat{I}^2 -diketonate. <i>Inorganica Chimica Acta</i> , 2020, 507, 119595.	1.2	3
742	Assembling Homometallic Sb ₆ and Heterometallic Ti ₄ Sb ₂ Oxo Clusters. <i>Inorganic Chemistry</i> , 2020, 59, 6689-6696.	1.9	5
743	Synergetic magnetic and luminescence switching <i>via</i> solid state phase transitions of the dysprosium-dianthracene complex. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7369-7377.	2.7	24

#	ARTICLE	IF	CITATIONS
744	Ferrocene-Supported Compartmental Ligands for the Assembly of 3d/4f Complexes. ACS Omega, 2020, 5, 9046-9054.	1.6	9
745	Enhancing the energy barrier by replacing the counterions in two holmium(^{III})-pentagonal bipyramidal single-ion magnets. Dalton Transactions, 2020, 49, 6703-6709.	1.6	6
746	Influence of magnetic dilution on relaxation processes in a solid solution comprising tetrahedral Co/Zn ^{II} complexes. Dalton Transactions, 2020, 49, 6807-6815.	1.6	8
747	Slow relaxation of magnetization for a Tb derivative in a biradical-based lanthanide chain. New Journal of Chemistry, 2020, 44, 7858-7864.	1.4	5
748	A double-dysprosocenium single-molecule magnet bound together with neutral ligands. Chemical Communications, 2020, 56, 5677-5680.	2.2	26
749	Coercive Fields Above 6â€¦T in Two Cobalt(II)â€¦Radical Chain Compounds. Angewandte Chemie, 2020, 132, 10697-10705.	1.6	3
750	Remarkable Energy Barrier for Magnetization Reversal in 3D and 2D Dysprosiumâ€¦Chloranilateâ€¦Based Coordination Polymers. Chemistry - A European Journal, 2020, 26, 8774-8783.	1.7	16
751	Development of ^{Singleâ€¦Molecule} Magnets^{â€¦}. Chinese Journal of Chemistry, 2020, 38, 1005-1018.	2.6	77
752	Pentagonal Bipyramidal Ln(III) Complexes Containing an Axial Phosphine Oxide Ligand: Field-induced Single-ion Magnetism Behavior of the Dy(III) Analogues. Inorganic Chemistry, 2020, 59, 6603-6612.	1.9	44
753	Bulky Schiff-base ligand supported Co(ii) single-ion magnets with zero-field slow magnetic relaxation. Dalton Transactions, 2020, 49, 5798-5802.	1.6	14
754	Unprecedented intramolecular pancake bonding in a {Dy₂} single-molecule magnet. Inorganic Chemistry Frontiers, 2020, 7, 2592-2601.	3.0	18
755	Shape-adaptive single-molecule magnetism and hysteresis up to 14 K in oxide clusterfullerenes Dy₂O@C₇₂ and Dy₂O@C₇₄ with fused pentagon pairs and flexible Dyâ€¦(¼₂-O)â€¦Dy angle. Chemical Science, 2020, 11, 4766-4772.	3.7	28
756	Coercive Fields Above 6â€¦T in Two Cobalt(II)â€¦Radical Chain Compounds. Angewandte Chemie - International Edition, 2020, 59, 10610-10618.	7.2	38
757	Two Types of {FeDy} Heterometallic Complexes Containing Fe ₄ Structure: Carboxylate Derivatives Effect on the Structures and Magnetic Properties. Journal of Cluster Science, 2021, 32, 461-467.	1.7	3
758	Structure and Magnetic Properties of Tetranuclear Dysprosium Cluster Based on 2,6-bis(2-((E)-(8-Hydroxyquinolin-2-yl)methylene)hydrazine-1-carbonyl)pyridine 1-oxide. Journal of Cluster Science, 2021, 32, 737-742.	1.7	0
759	A Local <i>D</i>_{4h} Symmetric Dysprosium(III) Singleâ€¦Molecule Magnet with an Energy Barrier Exceeding 2000â€¦K**. Chemistry - A European Journal, 2021, 27, 2623-2627.	1.7	66
760	Molecule-based magnetic materials constructed from paramagnetic organic ligands and two different metal ions. Coordination Chemistry Reviews, 2021, 427, 213611.	9.5	65
761	Enhancing Magnetic Communication between Metal Centres: Theâ€¦Role of <i>s</i>â€¦Tetrazine Based Radicals as Ligands. Chemistry - A European Journal, 2021, 27, 5091-5106.	1.7	16

#	ARTICLE	IF	CITATIONS
762	Strong Equatorial Crystal Field Enhances the Axial Anisotropy and Energy Barrier for Spin Reversal Process in Yb ₂ Single Molecule Magnets. Chemistry - A European Journal, 2021, 27, 3449-3456.	1.7	10
763	Effects of substituents on bridging ligands on the single-molecule magnet properties of Zn ₂ Dy ₂ cluster complexes. Applied Organometallic Chemistry, 2021, 35, .	1.7	2
764	Exploring the Organometallic Route to Molecular Spin Qubits: The [CpTi(cot)] Case. Angewandte Chemie, 2021, 133, 2620-2625.	1.6	21
765	Exploring the Organometallic Route to Molecular Spin Qubits: The [CpTi(cot)] Case. Angewandte Chemie - International Edition, 2021, 60, 2588-2593.	7.2	38
766	High temperature quantum tunnelling of magnetization and thousand kelvin anisotropy barrier in a Dy ₂ single-molecule magnet. Chemical Communications, 2021, 57, 371-374.	2.2	33
767	Holmium (III) molecular nanomagnets for optical thermometry exploring the luminescence re-absorption effect. Chemical Science, 2021, 12, 730-741.	3.7	46
768	Magnetic relaxation in dysprosium and terbium 1D-zigzag coordination chains having only 4,4'-bipyridine as connector. Inorganica Chimica Acta, 2021, 516, 120165.	1.2	3
769	An unusual mechanism of building up of a high magnetization blocking barrier in an octahedral alkoxide Dy ³⁺ -based single-molecule magnet. Inorganic Chemistry Frontiers, 2021, 8, 1166-1174.	3.0	37
770	Crystal structure and single-molecule magnet behavior of a novel tetranuclear Dy(III)-based cluster. Journal of Molecular Structure, 2021, 1226, 129373.	1.8	5
771	A series of mononuclear Ln-radical complexes based on 1-methylpyrazole nitronyl nitroxide: Synthesis, structure and magnetic properties. Polyhedron, 2021, 194, 114928.	1.0	2
772	Opening Magnetic Hysteresis by Axial Ferromagnetic Coupling: From Mono-Decker to Double-Decker Metallocrown. Angewandte Chemie - International Edition, 2021, 60, 5299-5306.	7.2	62
773	Extending the family of reduced [Mn ₁₂ O ₁₂ (O ₂ CR) ₁₆ (H ₂ O) _x] ^{n±} complexes, and their sensitivity to environmental factors. Polyhedron, 2021, 195, 114968.	1.0	4
774	Insights into D _{4h} -metal-symmetry single-molecule magnetism: the case of a dysprosium-bis(boryloxide) complex. Chemical Communications, 2021, 57, 733-736.	2.2	17
775	Bis-Cyclooctatetraenyl Thulium(II): Highly Reducing Lanthanide Sandwich Single-Molecule Magnets. Angewandte Chemie - International Edition, 2021, 60, 6042-6046.	7.2	27
776	Opening Magnetic Hysteresis by Axial Ferromagnetic Coupling: From Mono-Decker to Double-Decker Metallocrown. Angewandte Chemie, 2021, 133, 5359-5366.	1.6	8
777	Ionothermal synthesis of octahedral lanthanoid coordination networks exhibiting slow magnetization relaxation and efficient photoluminescence. Dalton Transactions, 2021, 50, 1293-1299.	1.6	8
778	Magnetic investigation in di- and tetranuclear lanthanide complexes. New Journal of Chemistry, 2021, 45, 2200-2207.	1.4	7
779	A new family of dinuclear lanthanide complexes exhibiting luminescence, magnetic entropy changes and single molecule magnet behaviors. CrystEngComm, 2021, 23, 645-652.	1.3	7

#	ARTICLE	IF	CITATIONS
780	Family of Isomeric Cu ^{II} Ln ^{III} (Ln = Gd, Tb, and Dy) Complexes Presenting Field-Induced Slow Relaxation of Magnetization Only for the Members Containing Gd ^{III} . <i>Inorganic Chemistry</i> , 2021, 60, 438-448.	1.9	32
781	Bis-Cyclooctatetraenyl Thulium(II): Highly Reducing Lanthanide Sandwich Single-Molecule Magnets. <i>Angewandte Chemie</i> , 2021, 133, 6107-6111.	1.6	9
782	A proton conductor showing an indication of single-ion magnet behavior based on a mononuclear Dy ^{III} complex. <i>Journal of Materials Chemistry C</i> , 2021, 9, 481-488.	2.7	21
783	Lanthanoid Complexes as Molecular Materials: The Redox Approach. <i>Chemistry - A European Journal</i> , 2021, 27, 3608-3637.	1.7	33
784	Asymmetric Ring Opening in a Tetrazine-Based Ligand Affords a Tetranuclear Opto-Magnetic Ytterbium Complex. <i>Chemistry - A European Journal</i> , 2021, 27, 2361-2370.	1.7	6
785	Multifunktionale Einzelmolekülmagnete auf Lanthanoidbasis in neuem Licht. <i>Angewandte Chemie</i> , 2021, 133, 1752-1772.	1.6	18
786	Shining New Light on Multifunctional Lanthanide Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1728-1746.	7.2	183
787	Metallic-based magnetic switches under confinement. <i>Advances in Organometallic Chemistry</i> , 2021, , 149-191.	0.5	0
788	Magnetic anisotropies of Ho ^{III} and Dy ^{III} single-molecule magnets experimentally determined <i>via</i> polarized neutron diffraction. <i>Dalton Transactions</i> , 2021, 50, 14207-14215.	1.6	2
789	Vibronic barrier effect of magnetic relaxation in single-molecule magnets. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8096-8098.	2.7	3
790	Design of pure heterodinuclear lanthanoid cryptate complexes. <i>Chemical Science</i> , 2021, 12, 6983-6991.	3.7	9
791	Tuning the Coordination Geometry and Magnetic Relaxation of Co(II) Single-Ion Magnets by Varying the Ligand Substitutions. <i>Crystal Growth and Design</i> , 2021, 21, 1035-1044.	1.4	13
792	The anisotropy of the internal magnetic field on the central ion is capable of imposing great impact on the quantum tunneling of magnetization of Kramers single-ion magnets. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3093-3105.	1.3	22
793	Design of modern magnetic materials with giant coercivity. <i>Russian Chemical Reviews</i> , 2021, 90, 1287-1329.	2.5	24
794	Improving the single-molecule magnet properties of two pentagonal bipyramidal Dy ³⁺ compounds by the introduction of both electron-withdrawing and -donating groups. <i>Dalton Transactions</i> , 2021, 50, 12607-12618.	1.6	19
795	Are lanthanide-transition metal direct bonds a route to achieving new generation {3d ^{4f} } SMMs?. <i>Dalton Transactions</i> , 2021, 50, 16099-16109.	1.6	10
796	Magnetic relaxation in two chain-like Zn ₂ Dy ₂ Schiff base coordination polymers bridged by tetraoxolene and its one-electron reduced radical. <i>New Journal of Chemistry</i> , 0, , .	1.4	1
797	The influence of organic bases and substituted groups on coordination structures affording two mononuclear Dy ^{III} single-molecule magnets (SMMs) and a novel Dy ^{III} K ^I compound with unusually coordinated fluorine atoms. <i>CrystEngComm</i> , 2021, 23, 4013-4027.	1.3	9

#	ARTICLE	IF	CITATIONS
798	Seven-Coordinate Tb ³⁺ Complexes with 90% Quantum Yields: High-Performance Examples of Combined Singlet- and Triplet-to-Tb ³⁺ Energy-Transfer Pathways. <i>Inorganic Chemistry</i> , 2021, 60, 892-907.	1.9	33
799	Tuning luminescence of didysprosium single-molecule magnets with a π -conjugated/non-conjugated bridging ligand. <i>Dalton Transactions</i> , 2021, 50, 6778-6783.	1.6	4
800	Towards peptide-based tunable multistate memristive materials. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1802-1810.	1.3	7
801	A trapped hexaaqua Co ^{II} complex between the polyanionic sheets of decavanadate reveals high axial anisotropy and field induced SIM behaviour. <i>Dalton Transactions</i> , 2021, 50, 3825-3831.	1.6	17
802	An EXAFS study of phenanthroline-holmium complex. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	0
803	Two C_{2v} 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
804	Ligand field and anion-driven structures and magnetic properties of dysprosium complexes. <i>CrystEngComm</i> , 2021, 23, 2825-2834.	1.3	5
805	Study of the influence of nuclear spin and dilution over the slow relaxation in a 3d4f heterobimetallic single-molecule magnet. <i>Dalton Transactions</i> , 2021, 50, 11466-11471.	1.6	5
806	Magnetic relaxation in a Co(^{II}) chain complex: synthesis, structure, and DFT computational coupling constant. <i>CrystEngComm</i> , 2021, 23, 1398-1405.	1.3	3
807	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
808	Understanding the magnetization blocking mechanism in N ₂ ³⁻ -radical-bridged dilanthanide single-molecule magnets. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10303-10310.	1.3	12
809	Regulating the solution structural integrity and slow magnetic relaxation behavior of two Dy ₆ clusters with a pyridine- π -triazole ligand. <i>New Journal of Chemistry</i> , 2021, 45, 7096-7102.	1.4	0
810	Heterotrimetallic Ni ₂ Ln ₂ Fe ₃ chain complexes based on [Fe(1-CH ₃ im)(CN) ₅] ²⁺ . <i>Dalton Transactions</i> , 2021, 50, 6427-6431.	1.6	2
811	Modulating the slow magnetic relaxation of a mononuclear Dy(^{III}) single-molecule magnet <i>via</i> a magnetic field and dilution effects. <i>CrystEngComm</i> , 2021, 23, 5443-5450.	1.3	5
812	Enhancing the energy barrier and hysteresis temperature in two benchtop-stable Ho(^{III}) single-ion magnets. <i>Chemical Communications</i> , 2021, 57, 3607-3610.	2.2	12
813	Polynuclear Clusters Based on Fe/Fe-Ln Carboxylates with Selected Magnetic Properties. , 2021, , 29-65.		0
814	Successive syntheses and magnetic properties of homodinuclear lanthanide macrocyclic complexes. <i>Dalton Transactions</i> , 2021, 50, 12215-12225.	1.6	7
815	Easy-plane to easy-axis anisotropy switching in a Co(^{II}) single-ion magnet triggered by the diamagnetic lattice. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9446-9452.	2.7	8

#	ARTICLE	IF	CITATIONS
816	Photoinduced magnetic phase transition and remarkable enhancement of magnetization for a photochromic single-molecule magnet. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2231-2235.	2.7	20
817	Valence electrons in lanthanide-based single-atom magnets: a paradigm shift in 4f-magnetism modeling and design. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2373-2384.	3.0	4
818	Designed polynuclear lanthanide complexes for quantum information processing. <i>Dalton Transactions</i> , 2021, 50, 12045-12057.	1.6	11
819	<i>Molecular Magnetism</i> , 2021, , 1-31.		1
820	Tb-based silicate apatites showing slow magnetization relaxation with identical parameters for the Tb ³⁺ and Dy ³⁺ counter ions. <i>RSC Advances</i> , 2021, 11, 6926-6933.	1.7	7
821	Coordination anion effects on the geometry and magnetic interaction of binuclear Dy ₂ single-molecule magnets. <i>Dalton Transactions</i> , 2021, 50, 15027-15035.	1.6	14
822	Tuning the ligand field in seven-coordinate Dy(III) complexes to perturb single-ion magnet behavior. <i>New Journal of Chemistry</i> , 2021, 45, 8591-8596.	1.4	4
823	High magnetization reversal barriers in luminescent dysprosium octahedral and pentagonal bipyramidal single-molecule magnets based on fluorinated alkoxide ligands. <i>Dalton Transactions</i> , 2021, 50, 8487-8496.	1.6	17
824	Pseudo-tetrahedral vs. pseudo-octahedral Er ^{III} single molecule magnets and the disruptive role of coordinated TEMPO radical. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2817-2828.	3.0	10
825	Dysprosium(III) compounds assembled via a versatile ligand incorporating salicylic hydrazide and 8-hydroxyquinolin units: syntheses, structures and magnetic properties. <i>Dalton Transactions</i> , 2021, 50, 9457-9466.	1.6	5
826	Slow magnetic relaxation in dinuclear dysprosium and holmium phenoxide bridged complexes: a Dy ₂ single molecule magnet with a high energy barrier. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2532-2541.	3.0	17
827	Acid and alkali-resistant Dy ₄ coordination clusters: synthesis, structure and slow magnetic relaxation behaviors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3854-3862.	2.7	18
828	A remarkable energy barrier for spin reversal in a field induced dinuclear ytterbium single molecule magnet. <i>Dalton Transactions</i> , 2021, 50, 13666-13670.	1.6	3
829	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.	1.6	2
830	A new class of Dy ^{III} -SIMs associated with a guanidine-based ligand. <i>Dalton Transactions</i> , 2021, 50, 5146-5153.	1.6	3
831	Structural and magnetic studies of mononuclear lanthanide complexes derived from N-rich chiral Schiff bases. <i>Dalton Transactions</i> , 2021, 50, 1746-1753.	1.6	6
832	Tetrairon(II) extended metal atom chains as single-molecule magnets. <i>Dalton Transactions</i> , 2021, 50, 7571-7589.	1.6	10
833	A reaction-coordinate perspective of magnetic relaxation. <i>Chemical Society Reviews</i> , 2021, 50, 6684-6699.	18.7	37

#	ARTICLE	IF	CITATIONS
834	3d ⁴ f magnetic exchange interactions and anisotropy in a series of heterobimetallic vanadium(IV)-lanthanide(III) Schiff base complexes. Dalton Transactions, 2021, 50, 13883-13893.	1.6	9
835	Synthesis and single-molecule magnet properties of a trimetallic dysprosium metallocene cation. Chemical Communications, 2021, 57, 6396-6399.	2.2	17
836	Magnetic anisotropy on demand exploiting high-pressure as remote control: an <i>ab initio</i> proof of concept. Dalton Transactions, 2021, 50, 10621-10628.	1.6	9
837	<i>In silico</i> design to enhance the barrier height for magnetization reversal in Dy(III) sandwich complexes by stitching them under the umbrella of corannulene. Chemical Science, 2021, 12, 11506-11514.	3.7	7
838	A Journey in Lanthanide Coordination Chemistry: From Evaporable Dimers to Magnetic Materials and Luminescent Devices. Accounts of Chemical Research, 2021, 54, 427-440.	7.6	54
839	Insights on the coupling between vibronically active molecular vibrations and lattice phonons in molecular nanomagnets. Dalton Transactions, 2021, 50, 11071-11076.	1.6	2
840	Mechanochromic and Single-Molecule Magnetic Properties of a Rhodamine 6G Dy(III) Complex. ACS Applied Electronic Materials, 2021, 3, 1368-1374.	2.0	16
841	Field-Induced Single-Molecule Magnets of Dysprosium Involving Quinone Derivatives. Magnetochemistry, 2021, 7, 24.	1.0	1
842	Helicene-Based Ligands Enable Strong Magneto-Chiral Dichroism in a Chiral Ytterbium Complex. Journal of the American Chemical Society, 2021, 143, 2671-2675.	6.6	38
843	Tuning Magnetic Relaxation in Square-Pyramidal Dysprosium Single-Molecule Magnets Using Apical Alkoxide Ligands. CCS Chemistry, 2021, 3, 388-398.	4.6	33
844	Slow Relaxation of the Magnetization in Anilato-Based Dy(III) 2D Lattices. Molecules, 2021, 26, 1190.	1.7	8
845	Regulating Spin Dynamics of Nitronyl Nitroxide Biradical Lanthanide Complexes through Introducing Different Transition Metals. Chemistry - an Asian Journal, 2021, 16, 793-800.	1.7	4
846	A Mixed Valence CollColl2 Field-Supported Single Molecule Magnet: Solvent-Dependent Structural Variation. Molecules, 2021, 26, 1060.	1.7	4
847	Molecular Magnets Based on Mononuclear Aqua and Aqua-Chloro Lanthanide (Tb, Dy, Er, Yb) Complexes with Bipyridine. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2021, 47, 165-173.	0.3	1
848	Spectroscopic Investigation of a Metal-Metal-Bonded Fe ₆ Single-Molecule Magnet with an Isolated <i>S</i> = 19/2 Giant-Spin Ground State. Inorganic Chemistry, 2021, 60, 4610-4622.	1.9	13
849	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.	2.5	12
850	Mononuclear Dysprosium Alkoxide and Aryloxy Single-Molecule Magnets. Chemistry - A European Journal, 2021, 27, 7625-7645.	1.7	72
851	Asymmetric Coordination Toward a Photoinduced Single-Chain Magnet Showing High Coercivity Values. Angewandte Chemie, 2021, 133, 10631-10635.	1.6	0

#	ARTICLE	IF	CITATIONS
852	Asymmetric Coordination Toward a Photoinduced Single-Molecule Chain Magnet Showing High Coercivity Values. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10537-10541.	7.2	19
854	Polymorphism and Supramolecular Isomerism: The Impasse of Coordination Polymers. , 0, , .		2
855	Magnetic Energy Landscape of Dimolybdenum Tetraacetate on a Bulk Insulator Surface. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3806.	1.3	3
856	Magnetic Improvement and Relaxation Mechanism of the Tb-Phthalocyanine Single-Molecule Magnet by Absorbing CH ₂ Cl ₂ Molecules. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10165-10172.	1.5	5
857	Leveraging Surface Siloxide Electronics to Enhance the Relaxation Properties of a Single-Molecule Magnet. <i>Journal of the American Chemical Society</i> , 2021, 143, 5438-5444.	6.6	16
858	Ab Initio Prediction of High-Temperature Magnetic Relaxation Rates in Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2021, 143, 5943-5950.	6.6	110
859	New Cyanido-Bridged Heterometallic 3d-4f 1D Coordination Polymers: Synthesis, Crystal Structures and Magnetic Properties. <i>Magnetochemistry</i> , 2021, 7, 57.	1.0	5
860	Dysprosium Coordination Polymer Incorporating Dianthracene: Thermo-Induced Phase Transition Accompanied with Magnetic and Optical Changes. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1565-1570.	1.0	8
862	Reversible Photo- and Thermo-Induced Spin-State Switching in a Heterometallic { <i>5d-3d</i> } W ₂ Fe ₂ Molecular Square Complex. <i>Inorganic Chemistry</i> , 2021, 60, 7545-7552.	1.9	15
863	Solid-State Near-Infrared Circularly Polarized Luminescence from Chiral Yb ^{III} Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2021, 27, 7362-7366.	1.7	43
865	A Molecular Approach to Quantum Sensing. <i>ACS Central Science</i> , 2021, 7, 712-723.	5.3	52
866	Heterometallic Cu ^{II} -Ln ^{III} complexes: Single molecule magnets and magnetic refrigerants. <i>Coordination Chemistry Reviews</i> , 2021, 432, 213707.	9.5	48
867	Magnetic Anisotropy in a Cubane-like Ni ₄ Complex: An Ab Initio Perspective. <i>Inorganic Chemistry</i> , 2021, 60, 6306-6318.	1.9	13
868	Ungewöhnliche Oxidationsstufen, (un)gewöhnliche Maßnahmen. <i>Nachrichten Aus Der Chemie</i> , 2021, 69, 73-78.	0.0	0
869	A two-dimensional dysprosium complex exhibits magnetic slow relaxation properties. <i>Journal of Molecular Structure</i> , 2021, 1229, 129804.	1.8	4
870	Validation of Ab-Initio-Predicted Magnetic Anisotropies and Magneto-Structural Correlations in Linear Hetero-Nuclear Dy III - Ni II 2 Compounds. <i>Chemistry - A European Journal</i> , 2021, 27, 9372-9382.	1.7	4
871	Strong Ferromagnetic Exchange Coupling and Single-Molecule Magnetism in MoS ₄ ³⁻ -Bridged Dilanthanide Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 8465-8475.	6.6	27
872	Controllable Spin Switching in a Single-Molecule Magnetic Tunneling Junction. <i>Nanoscale Research Letters</i> , 2021, 16, 77.	3.1	4

#	ARTICLE	IF	CITATIONS
873	Heterometallic 3d/4f-Metal Complexes: Structure and Magnetism. <i>Journal of Cluster Science</i> , 2022, 33, 1299-1325.	1.7	11
874	A novel Dy ₄ cluster constructed by an 8-hydroxyquinoline Schiff base showing remarkable single molecule magnet behavior. <i>Polyhedron</i> , 2021, 200, 115117.	1.0	2
875	Low temperature heat capacity study of Co ₃ (BTC) ₂ ·12H ₂ O and Ni ₃ (BTC) ₂ ·12H ₂ O. <i>Thermochimica Acta</i> , 2021, 699, 178909.	1.2	6
876	Syntheses, structures and magnetic properties of a series of lanthanide complexes with reduced nitronyl nitroxide radical ligands. <i>Inorganica Chimica Acta</i> , 2021, 520, 120308.	1.2	2
877	Chelating Guanidates for Dysprosium(III) Single-Molecule Magnets. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1635-1640.	2.6	7
878	Incorporation of expanded organic cations in dysprosium(III) borohydrides for achieving luminescent molecular nanomagnets. <i>Scientific Reports</i> , 2021, 11, 11354.	1.6	3
879	Study of magnetization relaxation in molecular spin clusters using an innovative kinetic Monte Carlo method. <i>Physical Review B</i> , 2021, 103, .	1.1	0
880	4f- π Molecular Hybrid Exhibiting Rich Conductive Phases and Slow Relaxation of Magnetization. <i>Journal of the American Chemical Society</i> , 2021, 143, 9543-9550.	6.6	11
881	Point-group selection rules and universal momentum-transfer dependencies for inelastic neutron scattering on molecular spin clusters. <i>Physical Review B</i> , 2021, 103, .	1.1	2
882	Spin Crossover and Field-Induced Single-Molecule Magnet Behaviour in Co(II) Complexes Based on Terpyridine with Tetrathiafulvalene Analogues. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2374-2383.	1.0	5
883	Synthesis, Structures and Magnetic Properties of two Heteroleptic Dy ³⁺ Borohydride Complexes. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3008-3012.	1.0	6
884	Chiral or Luminescent Lanthanide Single-Molecule Magnets Involving Bridging Redox Active Triad Ligand. <i>Inorganics</i> , 2021, 9, 50.	1.2	2
885	Bias-controlled spin memory and spin injector scheme in the tunneling junction with a single-molecule magnet*. <i>Chinese Physics B</i> , 2021, 30, 067501.	0.7	0
886	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.	1.9	14
887	Single-Ion Anisotropy and Intramolecular Interactions in Ce ^{III} and Nd ^{III} Dimers. <i>Inorganic Chemistry</i> , 2021, 60, 8692-8703.	1.9	7
888	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
889	Azide-Coordination in Homometallic Dinuclear Lanthanide(III) Complexes Containing Nonequivalent Lanthanide Metal Ions: Zero-Field SMM Behavior in the Dysprosium Analogue. <i>Inorganic Chemistry</i> , 2021, 60, 8530-8545.	1.9	17
890	Slow Magnetic Relaxation in Mono- and Bimetallic Lanthanide Tetraimido-Sulfate S(N t Bu) ₄ ·2H ₂ O Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 12310-12319.	1.7	7

#	ARTICLE	IF	CITATIONS
891	Solvato Modulation of the Magnetic Memory in Isotopically Enriched Erbium Polyoxometalate. <i>Chemistry - A European Journal</i> , 2021, 27, 10160-10168.	1.7	10
892	Record High Magnetic Anisotropy in Three-Coordinate Mn(III) and Cr(II) Complexes: A Theoretical Perspective. <i>Inorganic Chemistry</i> , 2021, 60, 9680-9687.	1.9	6
893	The Quest for Optimal d Orbital Splitting in Tetrahedral Cobalt Single-Molecule Magnets Featuring Colossal Anisotropy and Hysteresis. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3108-3114.	1.0	13
894	A Dy(III) Fluorescent Single-Molecule Magnet Based on a Rhodamine 6G Ligand. <i>Inorganics</i> , 2021, 9, 51.	1.2	3
895	Synthesis, Structure, and Magnetic Properties of Rare-Earth Benzoborole Complexes. <i>Organometallics</i> , 2021, 40, 2394-2399.	1.1	7
896	Energy Decomposition Analysis Coupled with Natural Orbitals for Chemical Valence and Nucleus-Independent Chemical Shift Analysis of Bonding, Stability, and Aromaticity of Functionalized Fulvenes: A Bonding Insight. <i>ACS Omega</i> , 2021, 6, 17798-17810.	1.6	6
897	Influence of Molecular and Electronic Structure of Ln ³⁺ Complexes on the Occurrence of Monoionic Magnetism: a Review. <i>Theoretical and Experimental Chemistry</i> , 2021, 57, 163-190.	0.2	2
898	Engineering atomic-scale magnetic fields by dysprosium single atom magnets. <i>Nature Communications</i> , 2021, 12, 4179.	5.8	34
899	Chiral Co-Crystals of <i>S</i> - or <i>R</i> -1,1'-Binaphthalene-2,2'-diol and Zn ₂ Dy ₂ Tetranuclear Complexes Behaving as Single-Molecule Magnets. <i>Crystal Growth and Design</i> , 2021, 21, 4346-4353.	1.4	8
900	Slow Magnetic Relaxation in Mono- and Bimetallic Lanthanide Tetraimido Sulfate S(N t Bu) ₄ Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 12236-12236.	1.7	1
901	Symmetry-induced universal momentum-transfer dependencies for inelastic neutron scattering on anisotropic spin clusters. <i>Physical Review B</i> , 2021, 104, .	1.1	3
902	Exceptionally High Blocking Temperature of 17 K in a Surface-Supported Molecular Magnet. <i>Advanced Materials</i> , 2021, 33, e2102844.	11.1	23
903	Homochiral Ferromagnetic Coupling Dy ₂ Single-Molecule Magnets with Strong Magneto-Optical Faraday Effects at Room Temperature. <i>Inorganic Chemistry</i> , 2021, 60, 12039-12048.	1.9	25
904	A Complete <i>Ab Initio</i> View of Orbach and Raman Spin-Lattice Relaxation in a Dysprosium Coordination Compound. <i>Journal of the American Chemical Society</i> , 2021, 143, 13633-13645.	6.6	116
905	New Materials and Effects in Molecular Nanomagnets. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7510.	1.3	12
906	An Exchange Mechanism for the Magnetic Behavior of Er ³⁺ Complexes. <i>Molecules</i> , 2021, 26, 4922.	1.7	3
907	Simulating Static and Dynamic Properties of Magnetic Molecules with Prototype Quantum Computers. <i>Magnetochemistry</i> , 2021, 7, 117.	1.0	14
908	Enhancing Steric Hindrance via Ligand Design in Dysprosium Complexes: From Induced Slow Relaxation to Zero-Field Single-Molecule Magnet Properties. <i>Inorganic Chemistry</i> , 2021, 60, 13982-13989.	1.9	5

#	ARTICLE	IF	CITATIONS
909	Single-Molecule Magnets: From Mn ₁₂ -ac to dysprosium metallocenes, a travel in time. <i>Coordination Chemistry Reviews</i> , 2021, 441, 213984.	9.5	200
910	Size-Controlled Hapticity Switching in [Ln(C ₉ H ₉)(C ₈ H ₈)] Sandwiches. <i>Chemistry - A European Journal</i> , 2021, 27, 13558-13567.	1.7	6
911	Homochiral Dysprosium Phosphonate Nanowires: Morphology Control and Magnetic Dynamics. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2648-2658.	1.7	7
912	Switching the Local Symmetry from D _{5h} to D _{4h} for Single-Molecule Magnets by Non-Coordinating Solvents. <i>Inorganics</i> , 2021, 9, 64.	1.2	2
913	Structural Diversity of Lanthanide Chain Compounds Based on 3-Ethoxycinnamate: Influence on the Magnetic Properties. <i>Crystal Growth and Design</i> , 2021, 21, 5072-5085.	1.4	1
914	Octanuclear {Ln ₈ } complexes: magneto-caloric effect in the {Gd ₈ } analogue. <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	0.7	4
915	Superb Alkali-Resistant Dy ^{III} ₂ Ni ^{II} ₄ Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2021, 60, 14752-14758.	1.9	6
916	Low-Coordinate Dinuclear Dysprosium(III) Single Molecule Magnets Utilizing LiCl as Bridging Moieties and Tris(amido)amine as Blocking Ligands. <i>Magnetochemistry</i> , 2021, 7, 125.	1.0	2
917	Spin-Phonon Coupling and Slow-Magnetic Relaxation in Pristine Ferrocenium. <i>Chemistry - A European Journal</i> , 2021, 27, 16440-16447.	1.7	8
918	Robust Single Molecule Magnet Monolayers on Graphene and Graphite with Magnetic Hysteresis up to 28 ÅK. <i>Advanced Functional Materials</i> , 2021, 31, 2105516.	7.8	28
919	Correlation between Electronic Configuration and Magnetic Stability in Dysprosium Single Atom Magnets. <i>Nano Letters</i> , 2021, 21, 8266-8273.	4.5	20
920	Radical-Bridged Ln ₄ Metallocene Complexes with Strong Magnetic Coupling and a Large Coercive Field. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24206-24213.	7.2	45
921	Radical-Bridged Ln ₄ Metallocene Complexes with Strong Magnetic Coupling and a Large Coercive Field. <i>Angewandte Chemie</i> , 0, , .	1.6	3
922	Synthesis, crystal structures and magnetism of CuLn(III) N ₂ O ₄ -donor coordination compounds involving dicyanamides. <i>Polyhedron</i> , 2021, 206, 115336.	1.0	9
923	Modulating the Architectures of Cobalt Metal-Organic Frameworks to Fine-tune Slow Magnetic Relaxation Behaviors. <i>Crystal Growth and Design</i> , 2021, 21, 5678-5686.	1.4	6
924	An Azido-Bridged Dysprosium Chain Complex Showing Zero-field Slow Magnetic Relaxation. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3331-3335.	1.7	9
925	Exchange-Bias Quantum Tunneling of the Magnetization in a Dysprosium Dimer. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8230-8237.	1.1	7
926	Bias pulse-controlled thermal spin injector based a single-molecule magnet tunneling junction. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, , 114981.	1.3	0

#	ARTICLE	IF	CITATIONS
927	A Cost-Effective Semi-Ab Initio Approach to Model Relaxation in Rare-Earth Single-Molecule Magnets. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8826-8832.	2.1	35
928	Indirect Spin-Readout of Rare-Earth-Based Single-Molecule Magnet with Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , 2021, 127, 123201.	2.9	6
929	Synthesis, Structures, and Sorption Properties of Two New Metal-Organic Frameworks Constructed by the Polycarboxylate Ligand Derived from Cyclotriphosphazene. <i>ACS Omega</i> , 2021, 6, 23110-23116.	1.6	3
930	Mapping Orbital-Resolved Magnetism in Single Lanthanide Atoms. <i>ACS Nano</i> , 2021, 15, 16162-16171.	7.3	7
931	Quantifying magnetic anisotropy using X-ray and neutron diffraction. <i>IUCr</i> , 2021, 8, 833-841.	1.0	2
932	Polar Lanthanide Anthracene Complexes Exhibiting Magnetic, Luminescent and Dielectric Properties. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4207-4215.	1.0	4
933	Synthesis, crystal structures, luminescent and magnetic properties of rare earth dinuclear complexes and one-dimensional coordination polymers supported by two derivatives of cinnamic acid. <i>Polyhedron</i> , 2021, 207, 115366.	1.0	8
934	A high-performance dysprosium(III) single-ion magnet with quasi-Oh symmetry. <i>Inorganic Chemistry Communication</i> , 2021, 132, 108807.	1.8	6
935	Terminal Ligand and Packing Effects on Slow Relaxation in an Isostructural Set of $[\text{Dy}(\text{H}_2\text{dpp})\text{X}_2]^{+}$ Single Molecule Magnets**. <i>Chemistry - A European Journal</i> , 2021, 27, 15086-15095.	1.7	6
936	Manipulating a series of Ln-based helix chains or dinuclear complexes by designing two types of Schiff-based ligands: Structure and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122463.	1.4	2
937	Magnetic modification of Dy-phthalocyanine single-molecule magnet by Co-crystallizing diamagnetic Y-phthalocyanine. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 537, 168162.	1.0	1
938	Structures, luminescence properties and single-molecule magnet behavior of four dinuclear lanthanide compounds. <i>Journal of Molecular Structure</i> , 2021, 1245, 131010.	1.8	2
939	Heterometallic $\{\text{DyIII}_2\text{FeII}_2\}$ grids with slow magnetic relaxation and spin crossover. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1779-1787.	3.0	7
940	Thermo- and photoinduced spin state switching in an iron(II) 2D coordination network associated with large light-induced thermal hysteresis and tuning of dimensionality via ligand modulation. <i>Dalton Transactions</i> , 2021, 50, 7725-7735.	1.6	12
941	Observation of field-induced single-ion magnet behavior in an octahedral dysprosium complex with a strong ligand field. <i>New Journal of Chemistry</i> , 2021, 45, 2404-2409.	1.4	7
942	N-Heterocyclic and Mesoionic Carbene Complexes of the Actinides. , 2021, , .		2
943	Structural, magnetic and theoretical analyses of anionic and cationic phthalocyaninato-terbium(III) double-decker complexes: magnetic relaxation via higher ligand-field sublevels enhanced by oxidation. <i>Dalton Transactions</i> , 2021, 50, 9719-9724.	1.6	7
944	Heterometallic Co-Dy SMMs grafted on iron oxide nanoparticles. <i>Dalton Transactions</i> , 2021, 50, 9589-9597.	1.6	5

#	ARTICLE	IF	CITATIONS
945	Recent advances in lanthanide coordination polymers and clusters with magnetocaloric effect or single-molecule magnet behavior. Dalton Transactions, 2021, 50, 15473-15487.	1.6	24
946	<i>In silico</i> strategy to boost stability, axially, and barrier heights in dysprosium SIMs <i>via</i> SWCNT encapsulation. Chemical Communications, 2021, 57, 11350-11353.	2.2	4
947	Slow magnetic relaxation and luminescence properties in neodymium(ⁱⁱⁱ)-4,4,4-trifluoro-1-(2-naphthyl)butane-1,3-dionato complexes incorporating bipyridyl ligands. New Journal of Chemistry, 2021, 45, 14713-14723.	1.4	11
948	Ultrafast photoinduced dynamics in Prussian blue analogues. Physical Chemistry Chemical Physics, 2021, 23, 8118-8131.	1.3	19
949	Correlating axial and equatorial ligand field effects to the single-molecule magnet performances of a family of dysprosium bis-methanediide complexes. Chemical Science, 2021, 12, 3911-3920.	3.7	24
950	Lanthanides. , 2021, , 418-470.		1
951	3d- and 4f-Based Single Molecule Magnets. , 2021, , 595-619.		5
952	Modulating the magnetization dynamics in Cu-Rad hetero-tri-spin complexes through <i>cis</i> / <i>trans</i> coordination of nitronyl nitroxide radicals around the metal center. Dalton Transactions, 2021, 50, 3280-3288.	1.6	7
953	Gadolinium as an accelerator for reaching thermal equilibrium and its influence on the ground state of C_{80} single-molecule magnets. Physical Review B, 2021, 103, .	1.2	6
954	Macromolecular crystallography for f-element complex characterization. Methods in Enzymology, 2021, 651, 139-155.	0.4	2
955	The construction of dynamic dysprosium-carboxylate ribbons by utilizing the hybrid-ligand conception. Dalton Transactions, 2021, 50, 1246-1252.	1.6	6
956	The comparative studies on the magnetic relaxation behaviour of the axially-elongated pentagonal-bipyramidal dysprosium and erbium ions in similar one-dimensional chain structures. Dalton Transactions, 2021, 50, 8736-8745.	1.6	7
957	Dysprosium-dianthracene framework showing thermo-responsive magnetic and luminescence properties. Journal of Materials Chemistry C, 2021, 9, 10749-10758.	2.7	12
958	Syntheses, structural modulation, and slow magnetic relaxation of three dysprosium(iii) complexes with mononuclear, dinuclear, and one-dimensional structures. Dalton Transactions, 2021, 50, 13728-13736.	1.6	8
959	Hetero-tri-spin systems: an alternative stairway to the Single Molecule Magnets heaven?. Dalton Transactions, 2021, 50, 15961-15972.	1.6	7
960	Magnetic Hysteresis at 10 K in Single Molecule Magnet Self-Assembled on Gold. Advanced Science, 2021, 8, 2000777.	5.6	25
961	Origin of the anomalously low Raman exponents in single molecule magnets. Physical Review B, 2021, 103, .	1.1	56
962	Modulating the relaxation dynamics of the Na_2Mn_3 system <i>via</i> an auxiliary anion change. Dalton Transactions, 2021, 50, 14774-14781.	1.6	0

#	ARTICLE	IF	CITATIONS
963	Ytterbium-Centered Isotopic Enrichment Leading to a Zero-Field Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2021, 60, 540-544.	1.9	20
965	A series of Salen-type homodinuclear lanthanide complexes and their slow magnetic relaxation in Dy ₂ and Ho ₂ . <i>Applied Organometallic Chemistry</i> , 2020, 34, e5331.	1.7	14
966	Regulating the slow magnetic relaxation behavior of two different shapes Dy ₄ clusters with in situ formed penta- and heptadentate Schiff base ligands. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5808.	1.7	3
967	One-dimensional cyanide-bridged Fe(III)-Mn(II) magnetic complexes with different configurations derived from a new pentacyanoiron(III) building block. <i>Transition Metal Chemistry</i> , 2020, 45, 373-380.	0.7	5
968	Single-Molecule Magnet Behavior in Dy ³⁺ Half-Sandwich Complexes Based on Ene-Diamido and Cp* Ligands. <i>Organometallics</i> , 2019, 38, 748-752.	1.1	16
969	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
970	Coordination microenvironment perturbed single-ion magnet behavior in a $\hat{1}^2$ -diketone Dy(III) complex. <i>CrystEngComm</i> , 2020, 22, 6856-6863.	1.3	10
971	Equatorial coordination optimization for enhanced axially of mononuclear Dy(III) single-molecule magnets. <i>Dalton Transactions</i> , 2020, 49, 3222-3227.	1.6	8
972	Influence of ligand field on magnetic anisotropy in a family of pentacoordinate Co ^{II} complexes. <i>Dalton Transactions</i> , 2020, 49, 4785-4796.	1.6	15
973	Incorporation of a nitrogen-rich energetic ligand in a {YbIII ₂ } complex exhibiting slow relaxation of the magnetisation under an applied field. <i>Dalton Transactions</i> , 2020, 49, 10344-10348.	1.6	6
974	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.	1.6	8
976	Assembling High-Temperature Single-Molecule Magnets with Low-Coordinate Bis(amido) Dysprosium Unit [DyN ₂] ⁺ via Cl-Cl Linkage. <i>CCS Chemistry</i> , 2020, 2, 362-368.	4.6	18
977	Multilayer 3D Chirality and Its Synthetic Assembly. <i>Research</i> , 2019, 2019, 6717104.	2.8	23
978	Synthesis, structures and magnetic properties of dysprosium(III) complexes based on amino-bis(benzotriazole phenolate) and nitrophenolates: influence over the slow relaxation of the magnetization. <i>CrystEngComm</i> , 2021, 23, 8343-8350.	1.3	5
979	Field-induced single ion magnet behaviour of discrete and one-dimensional complexes containing [bis(1-methylimidazol-2-yl)ketone]-cobalt(II) building units. <i>Dalton Transactions</i> , 2021, 50, 16353-16363.	1.6	6
980	A rare earth metallocene containing a 2,2-azopyridyl radical anion. <i>Chemical Science</i> , 2021, 12, 15219-15228.	3.7	10
981	Imidosulfonate scorpionate ligands in lanthanide single-molecule magnet design: slow magnetic relaxation and butterfly hysteresis in [ClDy{Ph ₂ PCH ₂ S(NtBu) ₃ } ₂]. <i>Dalton Transactions</i> , 2021, 50, 17194-17201.	1.6	3
982	Attaining record-high magnetic exchange, magnetic anisotropy and blocking barriers in dilanthanofullerenes. <i>Chemical Science</i> , 2021, 12, 14207-14216.	3.7	16

#	ARTICLE	IF	CITATIONS
983	Eight coordinated mononuclear dysprosium complexes of heptadentate aminophenol ligands: the influence of the phenol substituents and the ancillary donors on the magnetic relaxation. Dalton Transactions, 2021, 50, 15878-15887.	1.6	3
984	Tuning the dynamic magnetic behaviour and proton conductivity via water-induced reversible single-crystal to single-crystal structural transformation. Journal of Materials Chemistry C, 2021, 9, 15858-15867.	2.7	14
985	Electrophilic Trifluoromethylation of Dimetallofullerene Anions en Route to Air-Stable Single-Molecule Magnets with High Blocking Temperature of Magnetization. Journal of the American Chemical Society, 2021, 143, 18139-18149.	6.6	28
986	Synchronous Temperature and Magnetic Field Dual-Sensing by Luminescence in a Dysprosium Single-Molecule Magnet. Advanced Optical Materials, 2021, 9, 2101495.	3.6	24
987	A Rare-Earth Metal Retrospective to Stimulate All Fields. Journal of the American Chemical Society, 2021, 143, 18354-18367.	6.6	40
989	Electronic control of strong magnetic anisotropy in Co-based single-molecule magnets. Physical Review B, 2021, 104, .	1.1	3
990	A perspective on surface-adsorbed single atom magnets as atomic-scale magnetic memory. Applied Physics Letters, 2021, 119, .	1.5	15
991	The Underexplored Field of Lanthanide Complexes with Helicene Ligands: Towards Chiral Lanthanide Single Molecule Magnets. Magnetochemistry, 2021, 7, 138.	1.0	5
992	Storing and Reading Information in Mixtures of Fluorescent Molecules. ACS Central Science, 2021, 7, 1728-1735.	5.3	29
993	Two [Ln ₄] molecular rings folded as compact tetrahedra. Dalton Transactions, 2020, 49, 7182-7188.	1.6	1
994	High-Coordinate Mononuclear Ln(III) Complexes: Synthetic Strategies and Magnetic Properties. Magnetochemistry, 2021, 7, 1.	1.0	11
995	Regulating the magnetic properties of seven-coordinated Dy(III) single-ion magnets through the effect of positional isomers on axial crystal-field. Dalton Transactions, 2021, 50, 17328-17337.	1.6	15
996	Influence of synthesis conditions on the preparation of mononuclear Dy(III) compounds based on β^2 -diketone ligands: Synthesis, structure, magnetic behavior and theoretical analysis. Journal of Solid State Chemistry, 2022, 305, 122686.	1.4	4
997	Single-molecule magnet achieved through topological tuning with sodium ions. CrystEngComm, 2021, 23, 8490-8497.	1.3	1
998	One-dimensional lanthanide chain bridged by nitronyl nitroxide radical ligand: structure and magnetic properties. E3S Web of Conferences, 2020, 185, 04052.	0.2	0
999	SMM-ET: An SMM Evaluation Tool for the Quantitative Treatment of Ac Susceptibility and Magnetic Hysteresis Data. , 0, , .		1
1000	Tuning the coordination sphere of octahedral Dy(III) complexes with silanolate/stannanolate ligands: synthesis, structures and slow relaxation of the magnetization. CrystEngComm, 0, , .	1.3	2
1001	A tetrairon(III) single-molecule magnet and its solvatomorphs: synthesis, crystal structures and vapor-phase processing. Inorganica Chimica Acta, 2022, 531, 120698.	1.2	1

#	ARTICLE	IF	CITATIONS
1002	A linear metal-metal bonded tri-iron single-molecule magnet. <i>Chemical Communications</i> , 2021, 57, 13357-13360.	2.2	10
1003	Three hetero-tri-spin Ln ₂ CuNiT complexes based on a 1-methyl-3-pyrazole nitronyl nitroxide radical: Syntheses, structures and magnetic properties. <i>Polyhedron</i> , 2022, 212, 115594.	1.0	1
1004	Five new multinuclear rare earth complexes: Magnetism and near-infrared luminescence. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109062.	1.8	4
1005	A Dicobalt(II) Single-Molecule Magnet via a Well-Designed Dual-Capping Tetrazine Radical Ligand. <i>Inorganic Chemistry</i> , 2021, , .	1.9	10
1006	Deciphering the Role of Anions and Secondary Coordination Sphere in Tuning Anisotropy in Dy(III) Air-Stable <i>D_{5h} SIMs</i> . <i>Chemistry - A European Journal</i> , 2022, 28, e202103585.	1.7	12
1007	Magnetic relaxation in single-ion magnets formed by less-studied lanthanide ions Ce(III), Nd(III), Gd(III), Ho(III), Tm(II/III) and Yb(III). <i>Coordination Chemistry Reviews</i> , 2022, 453, 214288.	9.5	28
1008	Disentangling π -radical coupling and dissipative Landau-Zener quantum tunneling in a continuously measured single-ion magnet spin transistor. <i>Physical Review B</i> , 2021, 104, .	1.1	2
1009	Effect of the Transition Metal Ions on the Single-Molecule Magnet Properties in a Family of Air-Stable 3d-4f Ion-Pair Compounds with Pentagonal Bipyramidal Ln(III) Ions. <i>Inorganic Chemistry</i> , 2021, 60, 18990-19000.	1.9	12
1010	A quasilinear hydrazone-based mononuclear dysprosium compound with C _{4v} symmetry exhibiting field-induced complex magnetic relaxation. <i>New Journal of Chemistry</i> , 2021, 45, 21708-21715.	1.4	1
1011	Cyclopentadienyls and Phospholyls of the Group 3 Metals and Lanthanides. , 2021, , .		2
1012	Magnetic behavior of the novel pentagonal-bipyramidal erbium(<i>iii</i>) complex (Et ₃ NH)[Er(H ₂ DAPS)Cl ₂]: high-frequency EPR study and crystal-field analysis. <i>Dalton Transactions</i> , 2021, 50, 18143-18154.	1.6	4
1013	Metal complexes bearing photochromic ligands: photocontrol of functions and processes. <i>Dalton Transactions</i> , 2021, 50, 17879-17891.	1.6	14
1014	Macrocyclic based dinuclear dysprosium(<i>iii</i>) single molecule magnets with local <i>D_{5h}</i> coordination geometry. <i>Dalton Transactions</i> , 2021, 50, 17573-17582.	1.6	11
1015	Single-Molecule Magnets and Molecular Quantum Spintronics. , 2021, , 979-1009.		1
1016	Using N-Heterocyclic Carbenes as Weak Equatorial Ligands to Design Single-Molecule Magnets: Zero-Field Slow Relaxation in Two Octahedral Dysprosium(III) Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 1264-1269.	1.9	5
1017	3-Pyridylacetic-Based Lanthanide Complexes Exhibiting Magnetic Entropy Changes, Single-Molecule Magnet, and Fluorescence. <i>ACS Omega</i> , 2022, 7, 2604-2612.	1.6	3
1018	Introduction of plumbic to f-element chemistry. <i>Chemical Science</i> , 2022, 13, 945-954.	3.7	21
1019	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.	1.6	6

#	ARTICLE	IF	CITATIONS
1020	Manipulation and readout of spin states of a single-molecule magnet by a spin-polarized current. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 138, 115086.	1.3	1
1021	f-Element Organometallic Single-Molecule Magnets. , 2022, , 211-248.		1
1022	Effect of an axial coordination environment on quantum tunnelling of magnetization for dysprosium single-ion magnets with theoretical insight. <i>Dalton Transactions</i> , 2022, 51, 1464-1473.	1.6	10
1023	Rigid Dysprosium(^{III}) Single-Molecule Magnets Exhibit Preserved Superparamagnetism in Solution. <i>Chinese Journal of Chemistry</i> , 2022, 40, 563-570.	2.6	13
1024	Taming salophen in rare earth metallocene chemistry. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1325-1336.	3.0	7
1025	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.	1.6	3
1026	The magnetic anisotropy of Tb-phthalocyanine films effected by molecular orientation. <i>Applied Surface Science</i> , 2022, 585, 152445.	3.1	4
1027	Experimental and theoretical insights into Co ^{II} -Ln magnetic exchange and the rare slow-magnetic relaxation behavior of [Coll2Pr] ²⁺ in a series of linear [Coll2Ln] ²⁺ complexes. <i>Dalton Transactions</i> , 2022, 51, 4122-4134.	1.6	9
1028	Pentacoordinate cobalt(^{II}) single ion magnets with pendant alkyl chains: shall we go for chloride or bromide?. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1179-1194.	3.0	15
1029	Emerging Trends on Designing High-Performance Dysprosium(III) Single-Molecule Magnets. , 2022, 4, 307-319.		60
1030	Modulating the Structures and Magnetic Properties of Dy(III) Single-Molecule Magnets through Acid-Base Regulation. <i>Inorganic Chemistry</i> , 2022, 61, 2272-2283.	1.9	13
1031	Alkali Metal Based Trisulfite Cages as Versatile Precursors for Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	2
1032	Recent Advances in the Domain of Cyclic (Alkyl)(Amino) Carbenes. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	38
1033	Rare Earth Starting Materials and Methodologies for Synthetic Chemistry. <i>Chemical Reviews</i> , 2022, 122, 6040-6116.	23.0	31
1034	Synthesis and Structures of Tris(cyclononatetraenyl) Rare-Earth Complexes [Ln(C ₉ H ₉) ₃] (Ln = Y, Gd, Tb, Dy, Ho, Er, Tm). <i>Organometallics</i> , 2022, 41, 133-140.	1.1	3
1035	Six-coordinated dinuclear lanthanide(^{III}) amide complexes: investigation of magnetization relaxation dynamics and their electronic structures. <i>Dalton Transactions</i> , 2021, 51, 63-68.	1.6	4
1036	Toroidal versus centripetal arrangement of the magnetic moment in a Dy ₄ tetrahedron. <i>Chemical Communications</i> , 2022, 58, 1784-1787.	2.2	13
1037	Zero-field Slow Magnetic Relaxation Behavior of Dy ₂ in a Series of Dinuclear {Ln ₂ } (Ln=Dy, Tb, Gd and Er) Complexes: A Combined Experimental and Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	9

#	ARTICLE	IF	CITATIONS
1038	Structural Insights into Hysteretic Spin-Crossover in a Set of	1.7	15
1039	Deciphering the Role of Symmetry and Ligand Field in Designing Three-Coordinate Uranium and Plutonium Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2022, 61, 1831-1842.	1.9	6
1040	Dominance of Cyclobutadienyl Over Cyclopentadienyl in the Crystal Field Splitting in Dysprosium Single-Molecule Magnets. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	6
1041	Dominance of Cyclobutadienyl Over Cyclopentadienyl in the Crystal Field Splitting in Dysprosium Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	32
1042	Organometallic Lanthanide Complexes as Single Molecule Magnets. , 2022, , 383-417.		2
1043	First-principles determination of magnetic properties of $\text{Co}_{1-x}\text{Cr}_x$ on the Cr(001) surface. <i>Physical Review B</i> , 2022, 105, .		
1044	Insight into the Gd-Pt Bond: Slow Magnetic Relaxation of a Heterometallic Gd-Pt Complex. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 513-521.	2.0	3
1045	Analysis of vibronic coupling in a 4f molecular magnet with FIRMS. <i>Nature Communications</i> , 2022, 13, 825.	5.8	34
1046	Multifunctional $\text{Dy}(\text{hfa})_3$ -glyme adducts: Synthesis and magnetic/luminescent behaviour. <i>Inorganica Chimica Acta</i> , 2022, 535, 120851.	1.2	1
1047	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.	1.9	28
1048	Large easy-axis magnetic anisotropy in a series of trigonal prismatic mononuclear cobalt(Co^{II}) complexes with zero-field hidden single-molecule magnet behaviour: the important role of the distortion of the coordination sphere and intermolecular interactions in the slow relaxation. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2810-2831.	3.0	32
1049	Synthesis of heteroleptic yttrium and dysprosium 1,2,4-tris(trimethylsilyl)cyclopentadienyl complexes. <i>Australian Journal of Chemistry</i> , 2022, 75, 684-697.	0.5	2
1050	Study of the most relevant spin-orbit coupling descriptions of magnetic excitations in a series of lanthanide complexes. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	1.3	1
1051	Reversible on-off switching of Dy(III) single-molecule magnets via single-crystal-to-single-crystal transformation. <i>Dalton Transactions</i> , 2022, , .	1.6	3
1052	Lanthanide-mediated tuning of electronic and magnetic properties in heterotrimetallic cyclooctatetraenyl multidecker self-assemblies. <i>Chemical Science</i> , 2022, 13, 3864-3874.	3.7	7
1053	Magnetic anisotropy of transition metal and lanthanide ions in pentagonal bipyramidal geometry. <i>Chemical Society Reviews</i> , 2022, 51, 3280-3313.	18.7	38
1054	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.	3.0	4
1055	Stereoisomeric coordination polymers based on facial and meridional six-coordinate dysprosium(Dy^{III}). <i>Dalton Transactions</i> , 2022, 51, 5195-5202.	1.6	1

#	ARTICLE	IF	CITATIONS
1056	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
1057	Slow magnetic relaxation in a 3D dysprosium(III)-fluoro-oxalate framework containing zig-zag [Dy ^{III} F] chains. <i>Journal of Rare Earths</i> , 2023, 41, 100-107.	2.5	1
1058	Molecular Magnetism. <i>Annual Review of Materials Research</i> , 2022, 52, 79-101.	4.3	38
1059	Synthesis and magnetic relaxation behaviors of two-dimensional Ln–Cu coordinative polymers. <i>Scientia Sinica Chimica</i> , 2022, , .	0.2	0
1060	A Heterogeneous Palladium Catalyst for the Polymerization of Olefins Prepared by Halide Abstraction Using Surface R ₃ Si ⁺ Species. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	12
1061	Slowing magnetic relaxation with open-shell diluents. <i>Cell Reports Physical Science</i> , 2022, 3, 100802.	2.8	4
1062	Single-molecule magnets bridged by a bismuth Zintl ion. <i>CheM</i> , 2022, 8, 606-608.	5.8	1
1063	A Heterogeneous Palladium Catalyst for the Polymerization of Olefins Prepared by Halide Abstraction Using Surface R ₃ Si ⁺ Species. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
1064	Effect of Spin–Orbit Coupling on Phonon-Mediated Magnetic Relaxation in a Series of Zero-Valent Vanadium, Niobium, and Tantalum Isocyanide Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 18553-18560.	1.9	15
1065	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.	1.9	24
1066	Studies of the Temperature Dependence of the Structure and Magnetism of a Hexagonal-Bipyramidal Dysprosium(III) Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2022, 61, 227-235.	1.9	13
1067	Tripodal Oxazolidine-N-Oxyl Diradical Complexes of Dy ³⁺ and Eu ³⁺ . <i>Inorganics</i> , 2021, 9, 91.	1.2	3
1068	The coexistence of long <i>τ</i> _{QTM} and high <i>U</i> _{eff} as a concise criterion for a good single-molecule magnet: a theoretical case study of square antiprism dysprosium single-ion magnets. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 11729-11742.	1.3	15
1069	Impact of counter anions on spin-state switching of manganese(III) complexes containing an azobenzene ligand. <i>Dalton Transactions</i> , 2022, 51, 7681-7694.	1.6	7
1070	Supramolecular heptanuclear Ln–Cu complexes involving nitronyl nitroxide biradicals: structure and magnetic behavior. <i>Dalton Transactions</i> , 2022, 51, 6955-6963.	1.6	6
1071	Employing three-blade propeller lanthanide complexes as molecular luminescent thermometers: study of temperature sensing through a concerted experimental/theory approach. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7176-7188.	2.7	25
1072	Multifunctionality of the [C ₂ mim][Ln(fod) ₄] series (Ln = Nd–Tm except Pm): magnetic, luminescence and thermochemical studies. <i>New Journal of Chemistry</i> , 2022, 46, 9858-9870.	1.4	1
1073	An intermetallic molecular nanomagnet with the lanthanide coordinated only by transition metals. <i>Nature Communications</i> , 2022, 13, 2014.	5.8	17

#	ARTICLE	IF	CITATIONS
1074	A New Look at Molecular and Electronic Structure of Homoleptic Diiron(II,II) Complexes with N,N' -Bidentate Ligands: Combined Experimental and Theoretical Study. Chemistry - A European Journal, 2022, 28, .	1.7	4
1075	Discovery of a Dysprosium Metallocene Single-Molecule Magnet with Two High-Temperature Orbach Processes. Inorganic Chemistry, 2022, 61, 6017-6025.	1.9	28
1076	Tetraanionic arachno-Carboranyl Ligand Imparts Strong Axiality to Terbium(III) Single-Molecule Magnets. Angewandte Chemie, 0, , .	1.6	0
1077	Tetraanionic arachno-Carboranyl Ligand Imparts Strong Axiality to Terbium(III) Single-Molecule Magnets. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
1081	A mononuclear nine-coordinated Dy(III) complex exhibiting field-induced single-ion magnetism behaviour. RSC Advances, 2022, 12, 13992-13998.	1.7	1
1082	Slow magnetic relaxation in dinuclear Co(III)-Co(II) complexes containing a five-coordinated Co(II) centre with easy-axis anisotropy. Dalton Transactions, 2022, , .	1.6	3
1083	Tuning chain topologies and magnetic anisotropy in one-dimensional cobalt(II) coordination polymers via distinct dicarboxylates. CrystEngComm, 2022, 24, 3928-3937.	1.3	11
1084	In silico design criteria for high blocking barrier uranium(III) SIMs. Chemical Communications, 2022, 58, 6817-6820.	2.2	4
1085	Tailoring magnetic anisotropy by graphene-induced selective skyhook effect on 4f-metals. Nanoscale, 2022, 14, 7682-7691.	2.8	4
1086	A dysprosium single molecule magnet outperforming current pseudocontact shift agents. Chemical Science, 2022, 13, 5860-5871.	3.7	15
1087	Realizing Two-Dimensional Supramolecular Arrays of a Spin Molecule via Halogen Bonding. ACS Nanoscience Au, 0, , .	2.0	0
1088	Magnetic $3d^4f$ Chiral Clusters Showing Multimetal Site Magneto-Chiral Dichroism. Journal of the American Chemical Society, 2022, 144, 8837-8847.	6.6	28
1089	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, .	7.2	24
1090	Singly and Triply Linked Magnetic Porphyrin Lanthanide Arrays. Journal of the American Chemical Society, 2022, 144, 8693-8706.	6.6	13
1091	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, .	1.6	4
1092	Slow magnetic relaxation in mononuclear octa-coordinate Fe(II) and Co(II) complexes from a Bpybox ligand. Dalton Transactions, 2022, 51, 8865-8873.	1.6	2
1093	Single-molecule magnet behaviour in a centrosymmetric dinuclear dysprosium(III) complex: sequential differentiation of triple relaxation pathways. Dalton Transactions, 2022, 51, 9233-9240.	1.6	3
1094	The coordination chemistry of oxide and nanocarbon materials. Dalton Transactions, 2022, 51, 8557-8570.	1.6	7

#	ARTICLE	IF	CITATIONS
1095	Co(II) single-ion magnets: synthesis, structure, and magnetic properties. Monatshefte für Chemie, 2022, 153, 1001-1036.	0.9	15
1096	On the usability of salt metathesis reactions for the synthesis of sterically crowded tris-formamidinate Ln(III) complexes: success and limits. Spontaneous reduction of Eu(III) to Eu(II).. New Journal of Chemistry, 0, , .	1.4	0
1097	Macrocycle supported dinuclear lanthanide complexes with different β^2 -diketonate co-ligands displaying zero field single-molecule magnetic behaviour. New Journal of Chemistry, 2022, 46, 11722-11733.	1.4	6
1098	Molecular Memory Near Room Temperature in an Iron Polyanionic Complex. SSRN Electronic Journal, 0, , .	0.4	0
1099	Air-stable chiral mono- and dinuclear dysprosium single-molecule magnets: steric hindrance of hexaazamacrocycles. Inorganic Chemistry Frontiers, 2022, 9, 4049-4055.	3.0	18
1100	Effect of Ligand Chain Length for Tuning of Molecular Dimensionality and Magnetic Relaxation in Redox Active Cobalt(II) EDOT Complexes (EDOT=3,4-ethylenedioxythiophene). Chemistry - an Asian Journal, 2022, 17, .	1.7	2
1101	Lanthanide SMMs Based on Belt Macrocycles: Recent Advances and General Trends. Chemistry - A European Journal, 2022, 28, .	1.7	11
1102	Three angular Zn ₂ Dy complexes showing the effect of remote coordination at Zn and counter ions on slow magnetic relaxation at Dy centres. New Journal of Chemistry, 2022, 46, 13546-13557.	1.4	6
1103	Towards large area surface functionalization with luminescent and magnetic lanthanoid complexes. Inorganic Chemistry Frontiers, 2022, 9, 4160-4170.	3.0	3
1104	Single-molecule magnets beyond a single lanthanide ion: the art of coupling. Chemical Science, 2022, 13, 8716-8726.	3.7	57
1105	Heterometallic Hexanuclear [Cu ₂ Ln ₄] Complexes Showing Zero-field SMM Behaviour and Magnetocaloric Effect. Chemistry - an Asian Journal, 2022, 17, .	1.7	3
1106	Sequence-controlled heterolayered lanthanide-complex dendritic architectures constructed from modular Ln-DOTA derivatives. Cell Reports Physical Science, 2022, 3, 100950.	2.8	1
1107	Impact of Ligand Substituents on the Magnetization Dynamics of Mononuclear Dy ^{III} Single-Molecule Magnets. Inorganic Chemistry, 2022, 61, 9785-9791.	1.9	19
1108	Effect of Proton Irradiation on Magnetic Properties of Two-Dimensional Ni(II) Molecular Magnet. SSRN Electronic Journal, 0, , .	0.4	0
1109	Metamagnetic transition and a loss of magnetic hysteresis caused by electron trapping in monolayers of single-molecule magnet Tb ₂ @C ₇₉ N. Nanoscale, 2022, 14, 9877-9892.	2.8	6
1110	Ab Initio Non-Covalent Crystal Field Theory for Lanthanide Complexes: A Multiconfigurational Non-Orthogonal Group Functions Approach. Physical Chemistry Chemical Physics, 0, , .	1.3	0
1111	New Dinuclear Lanthanide Complexes Derived from Schiff Base Ligand and β^2 -Diketonate Co-Ligand: Synthesis, Crystal Structures, Luminescent and Magnetic Properties. SSRN Electronic Journal, 0, , .	0.4	0
1112	Slow Magnetic Relaxation of Dy Adatoms with In-Plane Magnetic Anisotropy on a Two-Dimensional Electron Gas. ACS Nano, 2022, 16, 11182-11193.	7.3	9

#	ARTICLE	IF	CITATIONS
1113	Synthesis, Structure, and Zero-Field SMM Behavior of Homometallic Dy ₂ , Dy ₄ , and Dy ₆ Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 11600-11621.	1.9	14
1114	Morphology-Evolved Succulent-like FeCo Microarchitectures with Magnetic Configuration Regulation for Enhanced Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32369-32378.	4.0	16
1115	Rigid N ₃ O ₂ -Pentadentate Ligand-Assisted Octacoordinate Mononuclear Ln(III) Complexes: Syntheses, Characterization, and Slow Magnetization Relaxation. <i>ACS Omega</i> , 0, , .	1.6	4
1116	Edaravone-Based Mononuclear Dysprosium(III) Single-Molecule Magnets. <i>Crystal Growth and Design</i> , 0, , .	1.4	4
1117	Three-Bit Digital Comparator Based on Intracell Diffusion of Silver Single Atom. <i>Nano Letters</i> , 2022, 22, 5909-5915.	4.5	0
1118	High-Frequency EPR Studies of New 2pâ€“3d Complexes Based on a Triazolyl-Substituted Nitronyl Nitroxide Radical: The Role of Exchange Anisotropy in a Cuâ€“Radical System. <i>Inorganic Chemistry</i> , 0, , .	1.9	2
1119	Strong Relativistic Effects in Lanthanide-Based Single-Molecule Magnets. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6749-6754.	2.1	4
1120	Comparison of Sb ₂ O ₃ and Sb ₂ O ₃ /SiO ₂ Double Stacked pH Sensing Membrane Applied in Electrolyte-Insulator-Semiconductor Structure. <i>Membranes</i> , 2022, 12, 734.	1.4	1
1121	Solvent-induced Dy ₂ and Dy ₆ clusters with disparate slow magnetic relaxation behaviors. <i>Inorganica Chimica Acta</i> , 2022, 541, 121094.	1.2	0
1122	Magnetocaloric effect and slow magnetic relaxation in peroxide-assisted tetranuclear lanthanide assemblies. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	9
1123	A conjugated Schiff-base macrocycle weakens the transverse crystal field of air-stable dysprosium single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4982-4989.	3.0	19
1124	Syntheses, structures, and magnetic properties of the lanthanide complexes of imidazole-substituted nitronyl nitroxide biradicals. <i>Dalton Transactions</i> , 2022, 51, 12362-12372.	1.6	1
1125	Suppression of zero-field quantum tunneling of magnetization by a fluoro bridge for a "very hard" 3d-4f single-molecule magnet. <i>Matter</i> , 2022, 5, 3485-3498.	5.0	11
1126	Analysis of the Magnetic Coupling in a Mn(II)â€“Vâ€“Mn(II) Single Molecule Magnet. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	2
1127	Two-dimensional dysprosium(III) coordination polymer: Structure, single-molecule magnetic behavior, proton conduction, and luminescence. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	4
1128	Influence of the Coordinated Transition Metal Ion on Magnetic Relaxation of Lanthanide Based Complexes with Imino Nitroxide Biradical Ligands. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
1129	Toward exact predictions of spin-phonon relaxation times: An ab initio implementation of open quantum systems theory. <i>Science Advances</i> , 2022, 8, .	4.7	38
1130	Mononuclear Lanthanide Complexes: Energyâ€“Barrier Enhancement by Ligand Substitution in Fieldâ€“Induced Dy ^{III} SIMs. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2022, 648, .	0.6	0

#	ARTICLE	IF	CITATIONS
1131	Side-Group Effect on the Slow Relaxations of {Dy ₂ } Single-Molecule Magnets with Confined N ₂ O ₆ Donors. <i>Inorganic Chemistry</i> , 2022, 61, 13133-13142.	1.9	2
1132	Theoretical and Experimental Studies of the Magnetostructural Correlations in Mononuclear Dy ^{III} Compounds Evidenced by Quantum Tunneling of Magnetization Time, Crystal Field Parameters, and Point Charge Electrostatic Model. <i>Crystal Growth and Design</i> , 0, , .	1.4	2
1133	New dinuclear lanthanide complexes derived from Schiff base ligand and ̂ ² -diketonate co-ligand: Synthesis, crystal structures, luminescent and magnetic properties. <i>Polyhedron</i> , 2022, 225, 116070.	1.0	6
1134	Toroidal magnetic molecules stripped to their basics. <i>Physical Review Research</i> , 2022, 4, .	1.3	5
1135	Heterotrimetallic Cu(II)Ho(III)Co(III) complex based on asymmetric Schiff base Ligand: Synthesis, structures and magnetic properties. <i>Inorganica Chimica Acta</i> , 2022, 543, 121187.	1.2	1
1136	Design of lanthanide based metal-organic polyhedral cages for application in catalysis, sensing, separation and magnetism. <i>Coordination Chemistry Reviews</i> , 2022, 472, 214786.	9.5	18
1137	Dy ₃ and Gd ₃ Complexes with Dy ₃ Exhibiting Field-Induced Single-Molecule Magnet Behaviour. <i>Journal of Molecular Structure</i> , 2023, 1271, 134111.	1.8	4
1138	Understanding the effect of structural changes on slow magnetic relaxation in mononuclear octahedral copper(II) complexes. <i>Dalton Transactions</i> , 2022, 51, 12041-12055.	1.6	6
1139	Effect on the geometry over the slow relaxation of the magnetization in a series of erbium(III) complexes based on halogenated ligands. <i>CrystEngComm</i> , 2022, 24, 6953-6963.	1.3	2
1140	Assembling diuranium complexes in different states of charge with a bridging redox-active ligand. <i>Chemical Science</i> , 2022, 13, 11294-11303.	3.7	4
1141	<i>Triangulo</i> -{Er ^{III} } ₃ complex showing field supported slow magnetic relaxation. <i>RSC Advances</i> , 2022, 12, 21674-21680.	1.7	1
1142	A Series of Acetate-Bridged Homodinuclear Lanthanide Complexes: Syntheses, Structures and Magnetic Properties. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1143	The interpretation and prediction of lanthanide single-ion magnets from <i>ab initio</i> electronic structure calculation: the capability and limit. <i>Dalton Transactions</i> , 2022, 51, 14793-14816.	1.6	10
1144	Experimental and theoretical investigations on three Dy ^{III} ₄ single molecule magnets: structural and magneto-structural correlations. <i>Dalton Transactions</i> , 2022, 51, 14753-14766.	1.6	1
1145	A new breakthrough in low-coordinate Dy(III) single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 6061-6066.	3.0	14
1146	Luminescence thermometry in a Dy ₄ single molecule magnet. <i>Dalton Transactions</i> , 2022, 51, 15593-15600.	1.6	5
1147	Cyclooctatetraenide-based single-ion magnets featuring bulky cyclopentadienyl ligand. <i>Chemical Science</i> , 2022, 13, 10574-10580.	3.7	6
1148	Magneto-thermal properties and slow magnetic relaxation in Mn(II)Ln(III) complexes: influence of magnetic coupling on the magneto-caloric effect. <i>Dalton Transactions</i> , 2022, 51, 12954-12967.	1.6	3

#	ARTICLE	IF	CITATIONS
1149	Structural cutting and recombining in a layered sodium dysprosium phosphonate: key roles of flexible pyrazinyl hydrazone molecular tools. <i>CrystEngComm</i> , 0, , .	1.3	0
1150	Influence of bridging and chelating co-ligands on the distinct single-molecule magnetic behaviours in ZnDy complexes. <i>New Journal of Chemistry</i> , 2022, 46, 18751-18763.	1.4	3
1151	Ln ^{III} (Ln = La, Gd, and Dy) Benzimidazolium Tricarboxylate Coordination Polymers with Hydrogen Bonding Modulated Magnetic Relaxation. <i>Crystal Growth and Design</i> , 2022, 22, 6046-6055.	1.4	7
1152	HervÃ©- and Krebs-Type Magnetic Polyoxometalate Dimers. <i>Magnetochemistry</i> , 2022, 8, 96.	1.0	0
1154	Syntheses, structures, and magnetic properties of acetate-bridged lanthanide complexes based on a tripodal oxygen ligand. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	0
1155	A Pair of Chiral Dysprosium Single-Ion Magnets with 2,6-Bis[(4S/4R)-4-phenyl-2-oxazoliny]pyridine and Hexafluoroacetylacetonate Ligands. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2022, 48, 667-674.	0.3	0
1156	Single-Molecule Magnetism in Linear Fe(I) Complexes with Aufbau and Non-Aufbau Ground States. <i>Inorganic Chemistry</i> , 2022, 61, 15335-15345.	1.9	3
1157	Base-Free Alkoxide Dysprosium(III) Complexes with an Unusual Tetraphenylborate Coordination: Study of the Slow Relaxation of the Magnetization. <i>European Journal of Inorganic Chemistry</i> , 0, , .	1.0	1
1159	A High-Performance Single-Molecule Magnet Utilizing Dianionic Aminoborolide Ligands. <i>Journal of the American Chemical Society</i> , 2022, 144, 17743-17747.	6.6	37
1160	Alkali metal-linked triangular building blocks assemble a high-nucleation lanthanoid cluster based on single-molecule magnets. <i>IScience</i> , 2022, 25, 105285.	1.9	1
1161	Aggregation-Induced Emission and Single-Molecule Magnet Behavior of TPE-Based Ln(III) Complexes. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	2
1162	Low-Coordinate Erbium(III) Single-Molecule Magnets with Photochromic Behavior. <i>Inorganic Chemistry</i> , 2022, 61, 16295-16306.	1.9	12
1163	Crystal structure, assembly process, and single-molecule magnet behavior of a triangular prismatic {Co ₉ } cluster. <i>Dalton Transactions</i> , 2022, 51, 16653-16658.	1.6	2
1164	Air-stable chiral double-decker Dy(ⁱⁱⁱ) macrocycles with fluoride ion as the sole axial ligand. <i>Dalton Transactions</i> , 2022, 51, 16444-16447.	1.6	5
1165	Rare-earth based tetrapyrrolic sandwiches: chemistry, materials and applications. <i>Chemical Society Reviews</i> , 2022, 51, 9262-9339.	18.7	27
1166	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.	3.7	8
1167	Slow magnetic relaxation and selective luminescence sensor of Ln-radical chain involving imidazole-substituted nitronyl nitroxide radical. <i>New Journal of Chemistry</i> , 2022, 46, 22451-22458.	1.4	9
1168	Dy ³⁺ single ion magnet in the extended inorganic solid Ca(Y,Dy)AlO ₄ . <i>Chemical Communications</i> , 2022, 58, 12572-12575.	2.2	1

#	ARTICLE	IF	CITATIONS
1169	Assembly of pinwheel/twist-shaped chiral lanthanide clusters with rotor structures by an annular/linear growth mechanism and their magnetic properties. Dalton Transactions, 2022, 51, 17040-17049.	1.6	5
1170	Effects of strong coordination bonds at the axial or equatorial positions on magnetic relaxation for pentagonal bipyramidal dysprosium(Dy^{III}) single-ion magnets. Dalton Transactions, 2022, 51, 16964-16972.	1.6	1
1171	Enhancing magnetic relaxation through subcomponent self-assembly from a Dy_2 to Dy_4 grid. Dalton Transactions, 2022, 51, 17579-17586.	1.6	6
1172	Molecular memory near room temperature in an iron polyanionic complex. Chem, 2023, 9, 377-393.	5.8	9
1173	Impact of Counteranion on Reversible Spin-State Switching in a Series of Cobalt(II) Complexes Containing a Redox-Active Ethylenedioxythiophene-Based Terpyridine Ligand. Inorganic Chemistry, 2022, 61, 17080-17088.	1.9	7
1174	Porous Mn^{2+} Magnet with a $\text{Pt}^{\text{II}}\text{Cl}$ Framework: Correlation between Water Vapor Adsorption/Desorption and Slow Magnetic Relaxation. ChemPhysChem, 2023, 24, .	1.0	1
1175	Solvent Modification of the Structures and Magnetic Properties of a Series of Dysprosium(III) Single-Molecule Magnets. Inorganic Chemistry, 2022, 61, 17537-17549.	1.9	5
1176	Computational design of magnetic molecules and their environment using quantum chemistry, machine learning and multiscale simulations. Nature Reviews Chemistry, 2022, 6, 761-781.	13.8	21
1177	Mn-Ln complexes based on azo-salicylaldehyde: synthesis, structure and magnetic properties. Polyhedron, 2022, , 116183.	1.0	0
1178	Comprehensive Studies of Magnetic Transitions and Spin-Phonon Couplings in the Tetrahedral Cobalt Complex $\text{Co}(\text{AsPh}_3)_2\text{I}_2$. Inorganic Chemistry, 2022, 61, 17123-17136.	1.9	5
1179	Slow Magnetic Relaxation in a $\text{Co(III)}\text{Co(II)}\text{Co(III)}$ Mixed-Valence Complex with Negative Anisotropy. Crystal Growth and Design, 2022, 22, 6792-6800.	1.4	1
1180	Analytic Linear Vibronic Coupling Method for First-Principles Spin-Dynamics Calculations in Single-Molecule Magnets. Journal of Chemical Theory and Computation, 2022, 18, 6588-6599.	2.3	11
1181	Atomically precise control of rotational dynamics in charged rare-earth complexes on a metal surface. Nature Communications, 2022, 13, .	5.8	6
1182	Investigation by Chemical Substitution within 2p-3d-4f Clusters of the Cobalt(II) Role in the Magnetic Behavior of $[\text{vdCoLn}]_2$ (vd = Verdazyl Radical). Inorganic Chemistry, 2022, 61, 17037-17048.	1.9	6
1183	Mixed-Sandwich Titanium(III) Qubits on Au(111): Electron Delocalization Ruled by Molecular Packing. Nano Letters, 2022, 22, 8626-8632.	4.5	6
1184	Reconsidering spin-phonon relaxation in magnetic molecules. Journal of Magnetism and Magnetic Materials, 2022, 564, 170138.	1.0	1
1185	Chiral All-Nitrogen-Coordinated Dysprosium Single-Molecule Magnets. Chemistry - A European Journal, 2023, 29, .	1.7	2
1186	Tunable thermal conductivity of ferroelectric P(VDF-TrFE) nanofibers via molecular bond modulation. Chinese Physics Letters, 0, , .	1.3	0

#	ARTICLE	IF	CITATIONS
1187	Magnetic molecules on surfaces: SMMs and beyond. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214858.	9.5	17
1188	Functional lanthanide complexes with N,N'-bis(2-hydroxybenzyl)-N,N'-bis(pyridin-2-ylmethyl)ethylenediamine (H2bbpen) derivatives: Coordination chemistry, single-molecule magnetism and optical properties. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214880.	9.5	12
1189	Interplay between anisotropy and magnetic exchange to modulate the magnetic relaxation behaviours of phenoxo bridged Dy ₂ dimers with axial 1 ² -diketonate co-ligands. <i>Dalton Transactions</i> , 2022, 51, 18187-18202.	1.6	5
1190	Syntheses, structures and magnetic properties of mononuclear, dinuclear and tetranuclear dysprosium(III) complexes based on azotetrazole-3-hydroxy-2-naphthoic acid. <i>CrystEngComm</i> , 0, , .	1.3	2
1191	Effective tuning of magnetic anisotropy in distorted pentagonal bipyramidal Ni(<i>scp</i>) complexes <i>via</i> substitution of axial coligands. <i>Dalton Transactions</i> , 0, , .	1.6	2
1192	Research Progresses of Lanthanide Single-Ion Magnets. <i>Journal of Advances in Physical Chemistry</i> , 2022, 11, 196-208.	0.1	0
1193	Slow magnetic relaxation in Fe(<i>scp</i>) <i>m</i> -terphenyl complexes. <i>Dalton Transactions</i> , 0, , .	1.6	0
1194	Multifunctional Ln ^{III} complexes with SMM, luminescence and MCE properties constructed using selected phosphine oxide and diketonate. <i>New Journal of Chemistry</i> , 2022, 47, 140-146.	1.4	1
1195	Efficient synthetic route to heterobimetallic trinuclear complexes [Ln ^{III} Mn ^{II} Ln] and their single molecule magnetic properties. <i>Dalton Transactions</i> , 2022, 51, 18502-18513.	1.6	3
1196	Heterospin 2p ⁴ f and 2p ³ d ⁴ f complexes constructed by a nitronyl nitroxide ligand: syntheses, structures and magnetic properties. <i>CrystEngComm</i> , 2022, 24, 8160-8167.	1.3	2
1197	Metal-metal bond in lanthanide single-molecule magnets. <i>Chemical Society Reviews</i> , 2022, 51, 9469-9481.	18.7	54
1198	A bird's eye view of a quantum entanglement: From spooky action at a distance towards cornerstone of novel quantum technologies. <i>Physica B: Condensed Matter</i> , 2023, 653, 414483.	1.3	4
1199	Coordination Polymers of Polyphenyl-Substituted Potassium Cyclopentadienides. <i>Molecules</i> , 2022, 27, 7725.	1.7	0
1200	Multifunctional Dinuclear Dy-Based Coordination Complex Showing Visible Photoluminescence, Single-Molecule Magnet Behavior, and Proton Conduction. <i>Inorganic Chemistry</i> , 2022, 61, 18545-18553.	1.9	9
1201	Effects of Counterions, Coordination Anions, and Coordination Solvent Molecules on Single-Molecule Magnetic Behaviors and Nonlinear Optical Properties of Chiral Zn ₂ Dy Schiff Base Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 18510-18523.	1.9	11
1202	Lanthanide Luminescence Thermometry and Slow Magnetic Relaxation in 3-D Polycyanidometallate-Based Materials. <i>Inorganic Chemistry</i> , 2022, 61, 18629-18639.	1.9	6
1203	Two monofluoride-bridged Dy ^{III} dimers with different magnetization dynamics. <i>Chinese Chemical Letters</i> , 2023, 34, 107995.	4.8	3
1204	Stabilization of potent Co(II)-based Lewis acids with weakly basic ligands. <i>Chemistry - A European Journal</i> , 0, , .	1.7	0

#	ARTICLE	IF	CITATIONS
1205	Di- and Tetranuclear Dysprosium Single-Molecule Magnets Bridged by Unprecedentedly Disassembled Nitrogen-Enriched Tetrazine Derivatives. <i>Inorganic Chemistry</i> , 2022, 61, 19097-19105.	1.9	4
1206	Pentagonal-bipyramidal 4d and 5d complexes with unquenched orbital angular momentum as a unique platform for advanced single-molecule magnets: current state and perspectives. <i>Dalton Transactions</i> , 2023, 52, 509-539.	1.6	4
1207	Back to the future of organolanthanide chemistry. <i>Chemical Science</i> , 2023, 14, 443-457.	3.7	5
1208	Combined experimental and theoretical studies on a series of mononuclear Ln ^{III} single-molecule magnets: dramatic influence of remote substitution on the magnetic dynamics in Dy analogues. <i>Dalton Transactions</i> , 2023, 52, 1241-1256.	1.6	3
1209	Synthesis, structures and magnetic properties of four dysprosium-based complexes with a multidentate ligand with steric constraint. <i>CrystEngComm</i> , 2023, 25, 614-621.	1.3	1
1210	Metallogels: a novel approach for the nanostructuring of single-chain magnets. <i>Materials Horizons</i> , 2023, 10, 547-555.	6.4	4
1211	Pushing up the easy-axis magnetic anisotropy and relaxation times in trigonal prismatic Co ^{II} mononuclear SMMs by molecular structure design. <i>Chemical Communications</i> , 2023, 59, 952-955.	2.2	9
1212	Double butterfly-shaped octanuclear dysprosium clusters: structure, magnetism and assembly mechanism. <i>CrystEngComm</i> , 2023, 25, 225-232.	1.3	3
1213	Low-coordinate bis(imidazolin-2-iminato) dysprosium(^{III}) single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 485-492.	3.0	8
1214	New members of radical bridged Ln ₂ metallocene single-molecule magnets based on the unsubstituted 1,2,4,5-tetrazine ligand. <i>Inorganic Chemistry Frontiers</i> , 2022, 10, 259-266.	3.0	11
1215	A Dy ^{III} single-ion magnet with D _{5h} configuration. <i>Inorganica Chimica Acta</i> , 2023, 547, 121343.	1.2	1
1216	Lanthanide metal-organic frameworks containing ferromagnetically coupled metal-carboxylate chains showing slow magnetic relaxation behavior. <i>Journal of Molecular Structure</i> , 2023, 1276, 134777.	1.8	4
1217	Slow magnetic relaxation of a mononuclear dysprosium complex derived from 4,4,4-trifluoro-1-(2-naphthyl)-1,3-butanedione and 1,10-phenanthroline. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
1218	Axial Ligand as a Critical Factor for High-Performance Pentagonal Bipyramidal Dy(III) Single-Ion Magnets. <i>Inorganic Chemistry</i> , 2022, 61, 19726-19734.	1.9	8
1219	Reaching the Maximal Unquenched Orbital Angular Momentum L = 3 in Mononuclear Transition-Metal Complexes: Where, When and How?. <i>Inorganics</i> , 2022, 10, 227.	1.2	4
1220	Anion-Manipulated Hydrolysis Process Assembles of Giant High-Nucleation Lanthanide-Oxo Cluster. <i>Inorganic Chemistry</i> , 2022, 61, 20169-20176.	1.9	7
1221	Equatorially Positioned Halogen Ligand Effects on Single-Molecule Magnetism in a Mononuclear Dy(III) Octahedral Structure. <i>Crystal Growth and Design</i> , 2023, 23, 309-319.	1.4	0
1222	Facile Solvent-Free Mechanochemical Synthesis of UI ₃ and Lanthanoid Iodides. <i>Chemistry</i> , 2022, 4, 1672-1678.	0.9	1

#	ARTICLE	IF	CITATIONS
1223	A {Co ^{III} ₂ Dy ^{III} ₄ } Single-Molecule Magnet with an Expanded Core Structure. <i>Crystal Growth and Design</i> , 2023, 23, 395-402.	1.4	1
1224	Exploiting Strong {Cr ^{III} â€“Dy ^{III} } Ferromagnetic Exchange Coupling to Quench Quantum Tunneling of Magnetization in a Novel {Cr ^{III} ₂ Dy ^{III} ₃ } Single-Molecule Magnet. <i>Crystal Growth and Design</i> , 2023, 23, 197-206.	1.4	3
1225	Manipulating Solvothermal Coordination-Catalyzed <i>In Situ</i> Tandem Reactions to Construct Dysprosium-Based Complexes with Different Shapes and Zero-Field SMM Behaviors. <i>Inorganic Chemistry</i> , 2022, 61, 20513-20523.	1.9	4
1226	[MII(H ₂ dapsc)]-[Cr(CN) ₆] (M = Mn, Co) Chain and Trimer Complexes: Synthesis, Crystal Structure, Non-Covalent Interactions and Magnetic Properties. <i>Molecules</i> , 2022, 27, 8518.	1.7	1
1227	Recent Progress of Organic Semiconductor Materials in Spintronics. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	1.7	2
1228	Closely Related Organometallic Er(III) Single-Molecule Magnets with Sizably Different Relaxation Times of Quantum Tunneling of Magnetization. <i>Crystal Growth and Design</i> , 2023, 23, 565-573.	1.4	6
1229	Unraveling the Contributions to Spinâ€“Lattice Relaxation in Kramers Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2022, 144, 22965-22975.	6.6	21
1230	Probing the Magnetization Relaxation Dynamics of Four-Coordinate Lanthanide(III) Complexes. <i>Crystal Growth and Design</i> , 2023, 23, 629-636.	1.4	1
1231	Slow Relaxation of Magnetization in a <i>p</i> -Semiquinone Radical-Bridged Dysprosium Complex. <i>Crystal Growth and Design</i> , 2023, 23, 24-30.	1.4	3
1232	Data-driven design of molecular nanomagnets. <i>Nature Communications</i> , 2022, 13, .	5.8	12
1233	Ligand Modulation of the Structures and Magnetic Relaxation in Triangular Dy ₃ Complexes Based on a Tricompartmental Scaffold. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	0
1234	Construction of a two-dimensional metalâ€“organic framework with perpendicular magnetic anisotropy composed of single-molecule magnets. <i>Journal of Materials Chemistry C</i> , 2023, 11, 2082-2088.	2.7	3
1235	Binuclear Lanthanide Complexes Based on 4-Picoline- <i>N</i> -oxide: From Sensitized Luminescence to Single-Molecule Magnet Characteristics. <i>Crystal Growth and Design</i> , 2023, 23, 1084-1094.	1.4	1
1236	Synthesis, luminescence and magnetic properties of dinuclear complexes based on a â€œpincerâ€“Schiff base and different Î²-diketonate ligands. <i>Polyhedron</i> , 2023, 233, 116298.	1.0	1
1237	Inelastic Neutron Scattering Measurement of the Ground State Tunneling Gap in Tb and Ho Analogues of a Dy Field-Induced Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2023, 62, 1141-1155.	1.9	2
1238	Influence of ligand substitution and the solvent effect on the structures and magnetic properties of dinuclear Dy ₂ supramolecular architectures constructed with the bis-Î²-diketonate-Dy ₂ building block as a metalloligand. <i>Dalton Transactions</i> , 2023, 52, 1366-1377.	1.6	3
1239	Molecular Lanthanide Switches for Magnetism and Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	6
1240	Strong Axiality in a Dysprosium(III) Bis(borolide) Complex Leads to Magnetic Blocking at 65 K. <i>Journal of the American Chemical Society</i> , 2023, 145, 1572-1579.	6.6	33

#	ARTICLE	IF	CITATIONS
1241	The Assembly of Grid-type Lanthanide Cluster. <i>Magnetochemistry</i> , 2023, 9, 4.	1.0	0
1242	Strategies to quench quantum tunneling of magnetization in lanthanide single molecule magnets. <i>Chemical Communications</i> , 2023, 59, 3206-3228.	2.2	13
1243	Influence of pressure on a dysprosocenium single-molecule magnet. <i>Chemical Communications</i> , 2023, 59, 2656-2659.	2.2	5
1244	Molecular cyclo-P ₃ complexes of the rare-earth elements via a one-pot reaction and selective reduction. <i>Chemical Science</i> , 0, , .	3.7	1
1245	Molecular Lanthanide Switches for Magnetism and Photoluminescence. <i>Angewandte Chemie</i> , 0, , .	1.6	1
1246	Multi-Technique Experimental Benchmarking of the Local Magnetic Anisotropy of a Cobalt(II) Single-Ion Magnet. <i>Jacs Au</i> , 2023, 3, 429-440.	3.6	5
1247	Evidence of Symmetry Breaking in a Gd ₂ di-nuclear molecular polymer. <i>Physical Chemistry Chemical Physics</i> , 0, , .	1.3	0
1248	Heterometallic clusters based on an uncommon asymmetric V-shaped [Fe ₃ ($\frac{1}{4}$ -OR)Ln ₃ ($\frac{1}{4}$ -OR) ₂ Fe ₃] ⁶⁺ (Ln = Gd, Tb, Dy, Ho) structural core and the investigation of the slow relaxation of the magnetization behaviour of the [Fe ₂ Dy] analogue. <i>Dalton Transactions</i> , 0, , .	1.6	0
1249	Structure and Bonding Patterns in Heterometallic Organometallics with linear Ln-Pd-Ln motifs. <i>Chemical Science</i> , 0, , .	3.7	1
1250	Magnetic anisotropy and structural flexibility in the field-induced single ion magnets [Co{(OPPh) ₂ (EPPh) ₂ N} ₂], E = S, Se, explored by experimental and computational methods. <i>Dalton Transactions</i> , 2023, 52, 2036-2050.	1.6	2
1251	A bis(silyldiamido) dysprosium single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 1803-1808.	3.0	1
1252	Theoretical Investigation of Single-Molecule-Magnet Behavior in Mononuclear Dysprosium and Californium Complexes. <i>Inorganic Chemistry</i> , 2023, 62, 1649-1658.	1.9	5
1253	Slow magnetic relaxation in a homoaxially phosphine oxide coordinated pentagonal bipyramidal Dy(λ) complex. <i>Dalton Transactions</i> , 2023, 52, 2804-2815.	1.6	3
1254	Guanidinate Rare-Earth Tetraphenylborate Complexes and Their Prospects in Single-Molecule Magnetism. <i>Crystal Growth and Design</i> , 2023, 23, 3134-3143.	1.4	2
1255	Radical-Bridged Heterometallic Single-Molecule Magnets Incorporating Four Lanthanoceniums. <i>Angewandte Chemie</i> , 0, , .	1.6	0
1256	Direct observation of magnetoelastic coupling in a molecular spin qubit: new insights from crystal field neutron scattering data. <i>Chemical Science</i> , 2023, 14, 3990-4001.	3.7	2
1257	Measurement of the Quantum Tunneling Gap in a Dysprosocenium Single-Molecule Magnet. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 2193-2200.	2.1	2
1258	Multifunctional lanthanide-based single-molecule magnets exhibiting luminescence thermometry and photochromic and ferroelectric properties. <i>Dalton Transactions</i> , 2023, 52, 4643-4657.	1.6	7

#	ARTICLE	IF	CITATIONS
1259	Field-Induced Slow Magnetic Relaxation in a New Family of Tetranuclear Double-Stranded $\text{Cu}_2\text{Ln}_2\text{M}_2$ Metallohelicates. <i>Crystal Growth and Design</i> , 2023, 23, 3711-3719.	1.4	1
1260	Field-Induced $\text{Co}(\text{bpy})_2$ Single-Ion Magnet with Nearly Perfect Octahedral Ligand Field. <i>Journal of the Chinese Chemical Society</i> , 0, , .	0.8	0
1261	Zero-Field Slow Magnetic Relaxation in Binuclear Dy Acetylacetonate Complex with Pyridine-N-Oxide. <i>Magnetochemistry</i> , 2023, 9, 105.	1.0	0
1262	Dynamic Magnetic Properties of Gernolegated Lanthanide Sandwich Complexes. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	6
1263	3d Ion-Driven Hexanuclear Heterometallic Clusters with Amazing Structures and Magnetic Properties. <i>Crystal Growth and Design</i> , 2023, 23, 1412-1421.	1.4	2
1264	Radical-Bridged Heterometallic Single-Molecule Magnets Incorporating Four Lanthanoceniums. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	12
1265	Tuning the Coordination Geometry and SMM Behavior of Binuclear $\{\text{Ln}^{\text{III}}\text{Ln}^{\text{II}}\}$ Complexes (Ln = Dy, Er) by Varying the Ligand Substitutions. <i>Crystal Growth and Design</i> , 2023, 23, 1603-1610.	1.4	2
1266	Two Ln_2NIT_3 Complexes Based on 1-Methyl-5-benzotriazole Nitronyl Nitroxide Radical with Slow Magnetic Relaxation Behavior. <i>Crystal Growth and Design</i> , 2023, 23, 1868-1873.	1.4	2
1267	On the Single-Molecule Magnetic Behavior of Linear Iron(I) Arylsilylamides. <i>Inorganic Chemistry</i> , 2023, 62, 3153-3161.	1.9	4
1268	Slow Magnetic Relaxation of Linear Trinuclear $\text{M}(\text{II})-\text{Gd}(\text{III})-\text{M}(\text{II})$ Complexes with D_3 Point Group Symmetry (M(II) = Zn(II) and Mg(II)). <i>Journal of Physical Chemistry C</i> , 2023, 127, 3295-3306.	1.5	1
1269	Interplay of Anisotropic Exchange Interactions and Single-Ion Anisotropy in Single-Chain Magnets Built from Ru/Os Cyanidometallates(III) and Mn(III) Complex. <i>Molecules</i> , 2023, 28, 1516.	1.7	1
1270	Approaching the uniaxiality of magnetic anisotropy in single-molecule magnets. <i>Science China Chemistry</i> , 0, , .	4.2	0
1271	Photo-responsive Single-Molecule Magnet Showing 0D to 1D Single-Crystal-to-Single-Crystal Structural Transition and Hysteresis Modulation. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
1272	Photo-responsive Single-Molecule Magnet Showing 0D to 1D Single-Crystal-to-Single-Crystal Structural Transition and Hysteresis Modulation. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	7
1273	Lanthanide Single-Molecule Magnets: Synthetic Strategy, Structures, Properties and Recent Advances. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	1.7	5
1274	The Impact of Lattice Distortions on the Magnetic Stability of Single Atoms: Dy and Ho on BaO(100). <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	2
1275	Determinative Effect of Axial Linearity on Single-Molecule Magnet Performance in Dinuclear Dysprosium Complexes. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	3
1276	Valence Orbitals Driving the Spin Dynamics in a Rare-Earth Single-Atom Magnet. <i>Physical Review Letters</i> , 2023, 130, .	2.9	1

#	ARTICLE	IF	CITATIONS
1277	Approaching the free-ion limit in magnetically isotropic gadolinium(ⁱⁱⁱ) <i>via</i> borohydride ligands. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 10689-10696.	1.3	1
1278	Self-Assembly Heterometallic Cu-Ln Complexes: Synthesis, Crystal Structures and Magnetic Characterization. <i>Crystals</i> , 2023, 13, 535.	1.0	0
1279	Tuning symmetry and magnetic blocking of an exchange-coupled lanthanide ion in isomeric, tetrametallic complexes: [LnCl ₆ (TiCp ₂) ₃]. <i>Chemical Science</i> , 0, , .	3.7	1
1280	Synthesis, Crystal Structure, and Magnetization Dynamics of Phenoxy-Bridged Dy ₂ Complexes with Different Counter Anions and Lattice Solvents. <i>Crystal Growth and Design</i> , 0, , .	1.4	1
1281	Understanding the Magnetic Relaxation Mechanism in Mixed-Valence Dilanthanide Complexes with Metal-Metal Bonding: A Theoretical Investigation. <i>Journal of Physical Chemistry A</i> , 2023, 127, 3088-3095.	1.1	3
1282	Slow Magnetic Relaxation of Ni(III) Complexes toward Molecular Spin Qubits. <i>European Journal of Inorganic Chemistry</i> , 2023, 26, .	1.0	3
1283	Metallocene-coupled cumulenes: a quest for chiral single-molecule magnets. <i>Physical Chemistry Chemical Physics</i> , 0, , .	1.3	0
1284	Lanthanide metal-organic network featuring strong perpendicular magnetic anisotropy. <i>Nanoscale</i> , 2023, 15, 7267-7271.	2.8	2
1285	Multifunctionality of luminescent molecular nanomagnets based on lanthanide complexes. <i>Chemical Communications</i> , 2023, 59, 5961-5986.	2.2	9
1286	Taming Super-Reduced Bi ₂ ³⁺ Radicals with Rare Earth Cations. <i>Journal of the American Chemical Society</i> , 2023, 145, 9152-9163.	6.6	15
1287	Two Heterometallic {Co ^{II} ₆ Ln ^{III} ₂ } (Ln = Dy, Ho) Clusters with Local Symmetry Exhibiting Single-Molecule Magnet Behaviours. <i>Applied Organometallic Chemistry</i> , 0, , .	1.7	1
1288	Reversible Pressure-Magnetic Modulation in a Tetrathiafulvalene-Based Dyad Piezochromic Dysprosium Single-Molecule Magnet**. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	3
1289	Lanthanide radical single-molecule magnets: current status and future challenges. <i>Chemical Communications</i> , 2023, 59, 6159-6170.	2.2	9
1314	Dipotassiumtetrachloride-bridged dysprosium metallocenes: a single-molecule magnet. <i>Dalton Transactions</i> , 2023, 52, 15326-15333.	1.6	1
1338	Spin-phonon coupling and magnetic relaxation in single-molecule magnets. <i>Chemical Society Reviews</i> , 2023, 52, 4567-4585.	18.7	16
1352	Single-ion magnetism behaviors in lanthanide(ⁱⁱⁱ) based coordination frameworks. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 5212-5224.	3.0	4
1355	Spin-Phonon Relaxation in Magnetic Molecules: Theory, Predictions and Insights. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2023, , 219-289.	0.6	6
1360	Ab Initio Investigation of Anisotropic Magnetism and Magnetization Blocking in Metal Complexes. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2023, , 1-62.	0.6	0

#	ARTICLE	IF	CITATIONS
1361	Ab Initio Modelling of Lanthanide-Based Molecular Magnets: Where to from Here?. Challenges and Advances in Computational Chemistry and Physics, 2023, , 291-394.	0.6	1
1362	Theoretical Approaches for Electron Transport Through Magnetic Molecules. Challenges and Advances in Computational Chemistry and Physics, 2023, , 445-494.	0.6	0
1363	Molecular Magnets on Surfaces: In Silico Recipes for a Successful Marriage. Challenges and Advances in Computational Chemistry and Physics, 2023, , 395-444.	0.6	0
1368	Organometallic compounds of the lanthanides. , 2023, , 91-156.		0
1369	Lanthanide-based molecular magnetic materials. , 2023, , 231-322.		0
1397	Probing the magnetic and magneto-optical properties of a radical-bridged Tb ₄ single-molecule magnet. Chemical Communications, 2023, 59, 13970-13973.	2.2	0
1401	Luminescent lanthanide-based single-molecule magnets. Fundamental Theories of Physics, 2023, , 93-173.	0.1	1
1406	Research in China and Abroad. , 2023, , 17-31.		0
1407	Double-stranded metallo-triangles: from anion-templated nonanuclear to cation-templated tetraicosanuclear dysprosium clusters. Chemical Communications, 2023, 59, 14134-14137.	2.2	1
1438	Endohedral metallofullerene molecular nanomagnets. Chemical Society Reviews, 2024, 53, 2863-2897.	18.7	1