

# A Dysprosium Metallocene Single-Molecule Magnet F

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Citation Report

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Isolated $\text{DyO}_2$ Embedded in a Ceramic Apatite Matrix Featuring Single-Molecule Magnet Behavior with a High Energy Barrier for Magnetization Relaxation. <i>Angewandte Chemie</i> , 2017, 129, 13601-13605.	1.6	8
4	Transition metal redox switches for reversible on/off and slow/fast single-molecule magnet behaviour in dysprosium and erbium bis-diamidoferrocene complexes. <i>Chemical Science</i> , 2017, 8, 8039-8049.	3.7	48
5	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
6	Switching on the single-molecule magnet properties within a series of dinuclear cobalt( <sup>iii</sup> )-dysprosium( <sup>iii</sup> ) 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]Metallocenophane Complex. <i>Journal of the American Chemical Society</i> , 2017, 139, 14877-14880.	6.6	32
8	Slow magnetic relaxation in luminescent mononuclear dysprosium( <sup>iii</sup> ) and erbium( <sup>iii</sup> ) pentanitrato complexes with the same $\text{LnO}_{10}$ coordination geometry. <i>Dalton Transactions</i> , 2017, 46, 15812-15818.	1.6	35
9	Transition Metal Single-Molecule Magnets: A $\{\text{Mn}_{31}\}$ Nanosized Cluster with a Large Energy Barrier of $\sim 1460$ K and Magnetic Hysteresis at $\sim 145$ K. <i>Journal of the American Chemical Society</i> , 2017, 139, 15644-15647.	6.6	66
10	Organophosphonate-Bridged Polyoxometalate-Based Dysprosium(III) Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2017, 56, 12687-12691.	1.9	39
11	Two Series of Homodinuclear Lanthanide Complexes: Greatly Enhancing Energy Barriers through Tuning Terminal Solvent Ligands in $\text{Dy}_2$ Single-Molecule Magnets. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2834-2844.	1.7	22
12	Magnetic molecules back in the race. <i>Nature</i> , 2017, 548, 400-401.	13.7	53
13	Molecular magnetic hysteresis at 60 kelvin in dysprosocenium. <i>Nature</i> , 2017, 548, 439-442.	13.7	1,450
14	From a Piano Stool to a Sandwich: A Stepwise Route for Improving the Slow Magnetic Relaxation Properties of Thulium. <i>Organometallics</i> , 2017, 36, 4515-4518.	1.1	28
15	Axial Ligand Field in $\text{D}_{4d}$ Coordination Symmetry: Magnetic Relaxation of $\text{Dy}$ SMMs Perturbed by Counteranions. <i>Inorganic Chemistry</i> , 2017, 56, 11211-11219.	1.9	69
16	$\text{Mn}_3$ Single-Molecule Magnets and $\text{Mn}_6/\text{Mn}_9$ Clusters from the Use of Methyl 2-Pyridyl Ketone Oxime in Manganese Phosphinate and Phosphonate Chemistry. <i>Inorganic Chemistry</i> , 2017, 56, 11352-11364.	1.9	15
17	Isolated $\text{DyO}_2$ Embedded in a Ceramic Apatite Matrix Featuring Single-Molecule Magnet Behavior with a High Energy Barrier for Magnetization Relaxation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13416-13420.	7.2	49
18	Recent Developments in Lanthanide Single-Molecule Magnets. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2772-2779.	1.7	141

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19	Construction of lanthanide single-molecule magnets with the $\text{D}_{4h}$ magnetic motif. [Dy(MQ) <sub>4</sub> ] <sup>3+</sup> . Inorganic Chemistry Frontiers, 2017, 4, 1776-1782.	3.0	16
20	Unprecedented Octanuclear Dy <sup>III</sup> Cluster Exhibiting Single-Molecule Magnet Behavior. Crystal Growth and Design, 2017, 17, 5044-5048.	1.4	17
21	Chiral six-coordinate Dy(III) and Tb(III) complexes of an achiral ligand: structure, fluorescence, and magnetism. Dalton Transactions, 2017, 46, 13035-13042.	1.6	28
22	Heterometallic Zn <sub>3</sub> Ln <sub>3</sub> Ensembles Containing (1/4) <sup>6-</sup> CO <sub>3</sub> Ligand and Triangular Disposition of Ln <sup>3+</sup> ions: Analysis of Single-Molecule Toric (SMT) and Single-Molecule Magnet (SMM) Behavior. Chemistry - A European Journal, 2017, 23, 16621-16636.	1.7	42
23	Slow magnetisation relaxation in tetraoxolene-bridged rare earth complexes. Dalton Transactions, 2017, 46, 13756-13767.	1.6	30
24	Selective Stabilization of the Spin States of a Magnetically Anisotropic Dysprosium Ion Induced by Photo-Excitation of the Associated Cyclic $\pi$ -Conjugated System. Chemistry - A European Journal, 2017, 23, 16357-16363.	1.7	10
25	Syntheses, structures and magnetic properties of the lanthanide complexes of the pyrimidyl-substituted nitronyl nitroxide radical. Dalton Transactions, 2017, 46, 10452-10461.	1.6	28
26	Tunable Magnetization Dynamics through Solid-State Ligand Substitution Reaction. Inorganic Chemistry, 2017, 56, 8829-8836.	1.9	11
27	One mononuclear single-molecule magnet derived from Dy(III) and dmbpy (dmbpy = Tj ETQqO O rgBT /Overlock 10 Tf 50 422 Td (4,4â	1.8	5
28	Intra-molecular origin of the spin-phonon coupling in slow-relaxing molecular magnets. Chemical Science, 2017, 8, 6051-6059.	3.7	160
29	Interchange between coordinated and lattice solvents generates the highest energy barrier within nine-coordinated Dy <sup>III</sup> single molecule magnets. Dalton Transactions, 2017, 46, 11159-11165.	1.6	16
30	Activation of C-H bonds by rare-earth metallocene-butyl complexes. Chemical Communications, 2017, 53, 9990-9993.	2.2	16
31	Key role of higher order symmetry and electrostatic ligand field design in the magnetic relaxation of low-coordinate Er( $\text{scp}$ ) complexes. Dalton Transactions, 2017, 46, 11913-11924.	1.6	23
32	Giant coercivity and high magnetic blocking temperatures for N <sub>2</sub> 3 <sup>+</sup> radical-bridged dilanthanide complexes upon ligand dissociation. Nature Communications, 2017, 8, 2144.	5.8	273
33	Suppression of Magnetic Quantum Tunneling in a Chiral Single-Molecule Magnet by Ferromagnetic Interactions. Inorganic Chemistry, 2017, 56, 15119-15129.	1.9	25
34	Ligand-Field Energy Splitting in Lanthanide-Based Single-Molecule Magnets by NMR Spectroscopy. Inorganic Chemistry, 2017, 56, 15285-15294.	1.9	31
35	Ln <sub>8</sub> (Ln= Gd, Ho, Er, Yb) Butterfly Core Exhibiting Magnetocaloric Effect and Field-Induced SMM Behavior for Er Analogue. ChemistrySelect, 2017, 2, 11341-11345.	0.7	6
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38	Slow Magnetic Relaxation in a Dysprosium Ammonia Metallocene Complex. Inorganic Chemistry, 2017, 56, 15049-15056.	1.9	35
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40	A wheel-shaped Dy( <sup>III</sup> ) single-molecule magnet supported by polyoxotungstates. Dalton Transactions, 2017, 46, 16796-16801.	1.6	21
41	A Piezochromic Dysprosium(III) Single-Molecule Magnet Based on an Aggregation-Induced-Emission-Active Tetraphenylethene Derivative Ligand. Inorganic Chemistry, 2017, 56, 8730-8734.	1.9	44
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43	Novel bis(phthalocyaninato) rare earth complexes with the bulky and strong electron-donating dibutylamino groups: synthesis, spectroscopy, and SMM properties. Inorganic Chemistry Frontiers, 2017, 4, 1465-1471.	3.0	32
44	The Vibrancy and Variety of Modern f-Element Organometallic Chemistry. Organometallics, 2017, 36, 4507-4510.	1.1	1
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48	Low-Coordinate Single-Ion Magnets by Intercalation of Lanthanides into a Phenol Matrix. Angewandte Chemie - International Edition, 2018, 57, 4673-4676.	7.2	94
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52	Spin dynamics in the single-ion magnet $\text{Er}(\text{N}(\text{SiMe}_3)_2)_3$ . Physical Chemistry B, 2018, 22, 11128-11135.	1.1	6
53	Toward a Microscopic Understanding of the Magnetization Behavior of a Multimolecular Single Crystal of Radical-Bridged $[\text{Dy}^{\text{III}}_4]$ Cubane Units: A Joint Ab Initio, Micro-Superconducting Quantum Interference Device, and Electron Paramagnetic Resonance Study. Journal of Physical Chemistry C, 2018, 122, 11128-11135.	1.5	4
54	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

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56	Control of the Spin Dynamics of Single-Molecule Magnets by using a Quasi One-Dimensional Arrangement. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9262-9267.	7.2	72
57	Dinuclear Dy <sub>2</sub> Single-Molecule Magnets: Functional Modulation on the Bridging Ligand and Different Relaxation Performances within the Single-Crystal to Single-Crystal System. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1725-1734.	1.7	13
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59	A Dy <sub>2</sub> Dimer Embedded in One Salen-Type Ligand with Different Local Symmetries Behaves as Zero-Field Single-Molecule Magnet. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 443-448.	0.6	3
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61	trans-to-cis photo-isomerization in merocyanine dysprosium and yttrium complexes. <i>Dalton Transactions</i> , 2018, 47, 4139-4148.	1.6	23
62	Structures, luminescence and magnetic properties of four phenoxo-O bridged Ln <sub>2</sub> compounds: Distinct single-molecule magnets behaviors were observed in two Tb <sub>2</sub> compounds. <i>Inorganic Chemistry Communication</i> , 2018, 90, 22-25.	1.8	6
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67	Coupling Influences SMM Properties for Pure 4f Systems. <i>Chemistry - A European Journal</i> , 2018, 24, 6079-6086.	1.7	57
68	Investigation of magneto-structural correlation based on a series of seven-coordinated $\hat{\eta}^2$ -diketone Dy( <sup>iii</sup> ) single-ion magnets with $C_{2v}$ and $C_{3v}$ local symmetry. <i>Dalton Transactions</i> , 2018, 47, 3976-3984.	1.6	22
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70	Exploiting Miraculous Atmospheric CO <sub>2</sub> Fixation in the Design of Dysprosium Single-Molecule Magnets. <i>Crystal Growth and Design</i> , 2018, 18, 1173-1181.	1.4	22
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73	A Terminal Fluoride Ligand Generates Axial Magnetic Anisotropy in Dysprosium Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1933-1938.	7.2	78
74	Magnetic anisotropy investigation on light lanthanide complexes. <i>Dalton Transactions</i> , 2018, 47, 1966-1971.	1.6	22
75	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
76	A luminescent Schiff-base heterotrinnuclear Zn <sub>2</sub> Dy single-molecule magnet with an axial crystal field. <i>Dalton Transactions</i> , 2018, 47, 1402-1406.	1.6	30
77	Understanding the Mechanism of Magnetic Relaxation in Pentanuclear {Mn <sup>IV</sup> Mn <sup>III</sup> Ln <sub>2</sub> } Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2018, 57, 1158-1170.	1.9	19
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80	New field-induced single ion magnets based on prolate Er(III) and Yb(III) ions: tuning the energy barrier U <sub>eff</sub> by the choice of counterions within an N <sub>3</sub> -tridentate Schiff-base scaffold. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 605-618.	3.0	27
81	A Terminal Fluoride Ligand Generates Axial Magnetic Anisotropy in Dysprosium Complexes. <i>Angewandte Chemie</i> , 2018, 130, 1951-1956.	1.6	23
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87	Control of the Spin Dynamics of Single-Molecule Magnets by using a Quasi One-Dimensional Arrangement. <i>Angewandte Chemie</i> , 2018, 130, 9406-9411.	1.6	10
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92	Mannich Base Ligands as Versatile Platforms for SMMs. Topics in Organometallic Chemistry, 2018, , 101-161.	0.7	3
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97	Magnetic Anisotropy from Trigonal Prismatic to Trigonal Antiprismatic Co(II) Complexes: Experimental Observation and Theoretical Prediction. Inorganic Chemistry, 2018, 57, 3903-3912.	1.9	37
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99	Is a strong axial crystal-field the only essential condition for a large magnetic anisotropy barrier? The case of non-Kramers Ho( $\text{scp}^{\text{iii}}$ ) versus $\text{Tb}(\text{scp}^{\text{iii}})$ . Dalton Transactions, 2018, 47, 357-366.	1.6	30
100	Molecular engineering of organic electroactive materials for redox flow batteries. Chemical Society Reviews, 2018, 47, 69-103.	18.7	442
101	Optimization of Magnetic Relaxation and Isotopic Enrichment in Dimeric Dy <sup>III</sup> Single-Molecule Magnets. European Journal of Inorganic Chemistry, 2018, 2018, 326-332.	1.0	30
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106	Synthesis, Structure, and Magnetic Properties of a Family of Complexes Containing a {Coll 2 Dy <sup>III</sup> } Pivalate Core and a Pentanuclear Coll 4 Dy <sup>III</sup> Derivative. European Journal of Inorganic Chemistry, 2018, 2018, 1356-1366.	1.0	21
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118	A Chiral Bipyrimidine-Bridged Dy <sub>2</sub> SMM: A Comparative Experimental and Theoretical Study of the Correlation Between the Distortion of the DyO <sub>6</sub> N <sub>2</sub> Coordination Sphere and the Anisotropy Barrier. Frontiers in Chemistry, 2018, 6, 537.	1.8	22
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122	A Co(II)-Hydrazone Schiff Base Single Ion Magnet Exhibiting Field Induced Slow Relaxation Dynamics. Magnetochemistry, 2018, 4, 56.	1.0	4
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124	Heterometallic M <sup>II</sup> Ln <sup>III</sup> (M = Co/Zn; Ln = Dy/Y) Complexes with Pentagonal Bipyramidal 3d Centers: Syntheses, Structures, and Magnetic Properties. Inorganic Chemistry, 2018, 57, 15526-15536.	1.9	28
125	Field-Induced Single Molecule Magnets of Phosphine- and Arsine-Oxides. Frontiers in Chemistry, 2018, 6, 420.	1.8	7
126	Does Symmetry Influence the Properties of [Mn <sup>III</sup> <sub>6</sub> Cr <sup>III</sup> ] <sup>3+</sup> Single-Molecule Magnets?. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1354-1360.	0.6	5



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128	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
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130	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
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168	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
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176	Reversible SC–SC Transformation Involving [4+4] Cycloaddition of Anthracene: A Single-Molecule Magnet and Yellow–Green to Blue–White Emission. <i>Angewandte Chemie</i> , 2018, 130, 8713-8717.	1.6	13
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218	Reversible SC-SC Transformation Involving [4+4] Cycloaddition of Anthracene: A Single-Molecule Magnet and Yellow-Green to Blue-White Emission. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8577-8581.	7.2	97

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220	Structure and Magnetization Dynamics of Dy <sup>III</sup> Fe and Dy <sup>III</sup> Ru Bonded Complexes. <i>Angewandte Chemie</i> , 2018, 130, 8276-8280.	1.6	3
221	Structure and Magnetization Dynamics of Dy <sup>III</sup> Fe and Dy <sup>III</sup> Ru Bonded Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8144-8148.	7.2	38
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231	Lanthanide(III)-Based Single-Ion Magnets. <i>ACS Omega</i> , 2018, 3, 9462-9475.	1.6	108
232	Dinuclear Ln <sup>III</sup> 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
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239	Giant Hysteretic Single-Molecule Electric Polarisation Switching above Room Temperature. <i>Angewandte Chemie</i> , 2018, 130, 13617-13620.	1.6	4
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257	Tetraoxolene-bridged rare-earth complexes: a radical-bridged dinuclear Dy single-molecule magnet. <i>Dalton Transactions</i> , 2019, 48, 15635-15645.	1.6	22
258	A single-ion single-electron cerrous magnet. <i>Dalton Transactions</i> , 2019, 48, 15928-15935.	1.6	14
259	Synthesis, structures and magnetic properties of [( <i>η</i> -9-C <sub>9</sub> H <sub>9</sub> )Ln( <i>η</i> -8-C <sub>8</sub> H <sub>8</sub> )] super sandwich complexes. <i>Nature Communications</i> , 2019, 10, 3135.	5.8	74
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265	Ligand ratio/solvent-influenced syntheses, crystal structures, and magnetic properties of polydentate Schiff base ligand-Dy(III) compounds with <i>η</i> <sup>2</sup> -diketonate ligands as co-ligands. <i>Dalton Transactions</i> , 2019, 48, 12466-12481.	1.6	26
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268	Insight into D <sub>6h</sub> Symmetry: Targeting Strong Axiality in Stable Dysprosium(III) Hexagonal Bipyramidal Single-Molecule Magnets. <i>Angewandte Chemie</i> , 2019, 131, 14284-14289.	1.6	33
269	Insight into D <sub>6h</sub> Symmetry: Targeting Strong Axiality in Stable Dysprosium(III) Hexagonal Bipyramidal Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14146-14151.	7.2	166
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271	Slow Magnetic Relaxation, Antiferromagnetic Ordering, and Metamagnetism in Mn <sup>II</sup> (H <sub>2</sub> dapsc) <sup>+</sup> Fe <sup>III</sup> (CN) <sub>6</sub> Chain Complex with Highly Anisotropic Fe <sup>III</sup> CN <sup>-</sup> Mn Spin Coupling. <i>Chemistry - A European Journal</i> , 2019, 25, 14583-14597.	1.7	12
272	Slow relaxation of magnetization in unprecedented Cu <sup>II</sup> -Ln-Rad hetero-tri-spin chains constructed from multidentate nitronyl nitroxide. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9057-9064.	2.7	19



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