

Muralee Murugesu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Single-Molecule Magnet Behavior for an Antiferromagnetically Superexchange-Coupled Dinuclear Dysprosium(III) Complex. <i>Journal of the American Chemical Society</i> , 2011, 133, 5319-5328.	6.6	541
2	Dinuclear Dysprosium(III) Single-Molecule Magnets with a Large Anisotropic Barrier. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8848-8851.	7.2	502
3	The rise of 3-d single-ion magnets in molecular magnetism: towards materials from molecules?. <i>Chemical Science</i> , 2016, 7, 2470-2491.	3.7	502
4	Single-Molecule Magnets: A Mn ²⁺ Complex with a Record S = 5/2 Spin for a Molecular Species. <i>Journal of the American Chemical Society</i> , 2004, 126, 4766-4767.	6.6	428
5	Lessons learned from dinuclear lanthanide nano-magnets. <i>Chemical Society Reviews</i> , 2013, 42, 3278.	18.7	426
6	Fine-Tuning the Local Symmetry to Attain Record Blocking Temperature and Magnetic Remanence in a Single-Ion Magnet. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4413-4417.	7.2	370
7	The Use of Magnetic Dilution To Elucidate the Slow Magnetic Relaxation Effects of a Dy ₂ Single-Molecule Magnet. <i>Journal of the American Chemical Society</i> , 2011, 133, 8830-8833.	6.6	334
8	Single-Molecule Magnet Behavior with a Single Metal Center Enhanced through Peripheral Ligand Modifications. <i>Journal of the American Chemical Society</i> , 2011, 133, 15814-15817.	6.6	319
9	Coupling Strategies to Enhance Single-Molecule Magnet Properties of Erbium-Cyclooctatetraenyl Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 8003-8010.	6.6	278
10	Significant Enhancement of Energy Barriers in Dinuclear Dysprosium Single-Molecule Magnets Through Electron-Withdrawing Effects. <i>Journal of the American Chemical Society</i> , 2013, 135, 13242-13245.	6.6	265
11	An Organometallic Sandwich Lanthanide Single-Ion Magnet with an Unusual Multiple Relaxation Mechanism. <i>Journal of the American Chemical Society</i> , 2011, 133, 19286-19289.	6.6	257
12	Synthesis, Electronic Structure, and Magnetism of [Ni(6-Mes) ₂] ⁺ : A Two-Coordinate Nickel(I) Complex Stabilized by Bulky N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 13640-13643.	6.6	242
13	Importance of Out-of-State Spin-Orbit Coupling for Slow Magnetic Relaxation in Mononuclear Fe ^{II} Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 15806-15809.	6.6	202
14	Iron Complex-Catalyzed Ammonia-Borane Dehydrogenation. A Potential Route toward N-Containing Polymer Motifs Using Earth-Abundant Metal Catalysts. <i>Journal of the American Chemical Society</i> , 2012, 134, 5598-5609.	6.6	195
15	Mixed 3d/4d and 3d/4f metal clusters: Tetranuclear and complexes, and the first Fe/4f single-molecule magnets. <i>Polyhedron</i> , 2006, 25, 613-625.	1.0	192
16	Influence of the Ligand Field on Slow Magnetization Relaxation versus Spin Crossover in Mononuclear Cobalt Complexes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11290-11293.	7.2	192
17	An Organometallic Building Block Approach To Produce a Multidecker Single-Molecule Magnet. <i>Journal of the American Chemical Society</i> , 2013, 135, 3502-3510.	6.6	189
18	Pursuit of Record Breaking Energy Barriers: A Study of Magnetic Axiality in Diamide Ligated Dy ^{III} Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2017, 139, 1420-1423.	6.6	186

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19	Shining New Light on Multifunctional Lanthanide Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1728-1746.	7.2	183
20	A Family of Manganese Rods: Syntheses, Structures, and Magnetic Properties. <i>Journal of the American Chemical Society</i> , 2004, 126, 15445-15457.	6.6	170
21	Supramolecular architectures for controlling slow magnetic relaxation in field-induced single-molecule magnets. <i>Chemical Science</i> , 2012, 3, 2158.	3.7	155
22	An unsymmetrical coordination environment leading to two slow relaxation modes in a Dy ²⁺ single-molecule magnet. <i>Chemical Communications</i> , 2011, 47, 10993.	2.2	154
23	New Structural Motifs in Manganese Single-Molecule Magnetism from the Use of Triethanolamine Ligands. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 892-896.	7.2	148
24	Planar Tetranuclear Dy(III) Single-Molecule Magnet and Its Sm(III), Gd(III), and Tb(III) Analogues Encapsulated by Salen-Type and β^2 -Diketonate Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 7059-7065.	1.9	143
25	Synthesis, Structure, and Magnetic Properties of a [Mn ₂₂] Wheel-like Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2004, 43, 4203-4209.	1.9	142
26	A sandwich complex with axial symmetry for harnessing the anisotropy in a prolate erbium(III) ion. <i>Chemical Communications</i> , 2014, 50, 1602-1604.	2.2	134
27	An Organolanthanide Building Block Approach to Single-Molecule Magnets. <i>Accounts of Chemical Research</i> , 2016, 49, 1158-1167.	7.6	129
28	A Dinuclear Cobalt Complex Featuring Unprecedented Anodic and Cathodic Redox Switches for Single-Molecule Magnet Activity. <i>Journal of the American Chemical Society</i> , 2013, 135, 14670-14678.	6.6	121
29	A Luminescent Thermometer Exhibiting Slow Relaxation of the Magnetization: Toward Self-Monitored Building Blocks for Next-Generation Optomagnetic Devices. <i>ACS Central Science</i> , 2019, 5, 1187-1198.	5.3	113
30	New Routes to Polymetallic Clusters: Fluoride-Based Tri-, Deca-, and Hexacosametallic Mn(III) Clusters and their Magnetic Properties. <i>Chemistry - A European Journal</i> , 2004, 10, 5180-5194.	1.7	110
31	Salen-Based [Zn ₂ Ln ₃] Complexes with Fluorescence and Single-Molecule-Magnet Properties. <i>Inorganic Chemistry</i> , 2009, 48, 8051-8053.	1.9	110
32	Recent developments in the field of energetic ionic liquids. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8153-8173.	5.2	110
33	Exposing the intermolecular nature of the second relaxation pathway in a mononuclear cobalt(II) single-molecule magnet with positive anisotropy. <i>Dalton Transactions</i> , 2015, 44, 6368-6373.	1.6	108
34	Linking Centered Manganese Triangles into Larger Clusters: A {Mn ₃₂ } Truncated Cube. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6540-6543.	7.2	107
35	Magnetic Axiality: Design Principles from Molecules to Materials. <i>Trends in Chemistry</i> , 2019, 1, 425-439.	4.4	88
36	Structure and Magnetic Properties of a Giant Cu ₄₄ Aggregate Which Packs with a Zeotypic Superstructure. <i>Inorganic Chemistry</i> , 2004, 43, 7269-7271.	1.9	87

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37	Exploring the dual functionality of an ytterbium complex for luminescence thermometry and slow magnetic relaxation. <i>Chemical Science</i> , 2019, 10, 6799-6808.	3.7	83
38	Hierarchical Assembly of {Fe ₁₃ } Oxygen-Bridged Clusters into a Close-Packed Superstructure. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6678-6682.	7.2	80
39	Slow Magnetic Relaxation in Uranium(III) and Neodymium(III) Cyclooctatetraenyl Complexes. <i>Organometallics</i> , 2015, 34, 1415-1418.	1.1	76
40	Ytterbium can relax slowly too: a field-induced Yb ₂ single-molecule magnet. <i>Dalton Transactions</i> , 2012, 41, 12349.	1.6	73
41	Lanthanide Complexes of Tritopic Bis(hydrazone) Ligands: Single-Molecule Magnet Behavior in a Linear Dy ^{III} ₃ Complex. <i>Inorganic Chemistry</i> , 2012, 51, 1028-1034.	1.9	69
42	Structural Rearrangement Through Lanthanide Contraction in Dinuclear Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 2102-2112.	1.9	69
43	Two-Dimensional Networks of Lanthanide Cubane-Shaped Dumbbells. <i>Inorganic Chemistry</i> , 2009, 48, 11748-11754.	1.9	67
44	Stepwise crystallographic visualization of dynamic guest binding in a nanoporous framework. <i>Chemical Science</i> , 2017, 8, 3171-3177.	3.7	66
45	A Rare $\frac{1}{4}$ -Centred Dy ₄ Tetrahedron with Coordination-Induced Local Chirality and Single-Molecule Magnet Behaviour. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1535-1539.	1.0	65
46	Single-molecule magnetism arising from cobalt(ⁱⁱ) nodes of a crystalline sponge. <i>Journal of Materials Chemistry C</i> , 2017, 5, 835-841.	2.7	64
47	Ferromagnetic interactions mediated by syn-anti carboxylate bridging in tetranuclear copper(II) compounds. <i>Inorganica Chimica Acta</i> , 2002, 337, 328-336.	1.2	63
48	Observation of unusual slow-relaxation of the magnetisation in a Gd-EDTA chelate. <i>Dalton Transactions</i> , 2015, 44, 20321-20325.	1.6	62
49	Adhering magnetic molecules to surfaces. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11986-11998.	2.7	59
50	Structural and magnetic conformation of a cerocene [Ce(COT ²⁻) ₂] ⁺ exhibiting a uniconfigurational f ¹ ground state and slow-magnetic relaxation. <i>Dalton Transactions</i> , 2014, 43, 2737-2740.	1.6	57
51	Large Mn ₂₅ Single-Molecule Magnet with Spin <i>S</i> = 51: Magnetic and High-Frequency Electron Paramagnetic Resonance Spectroscopic Characterization of a Giant Spin State. <i>Inorganic Chemistry</i> , 2008, 47, 9459-9470.	1.9	56
52	Cycloheptatrienyl trianion: an elusive bridge in the search of exchange coupled dinuclear organolanthanide single-molecule magnets. <i>Chemical Science</i> , 2017, 8, 231-240.	3.7	56
53	Preparation and properties of new Fe ₆ and Fe ₈ clusters of iron(III) with tripodal ligands. <i>Dalton Transactions</i> , 2003, , 4552.	1.6	55
54	New hexanuclear and dodecanuclear Fe(III) clusters with carboxylate and alkoxide-based ligands from cluster aggregation reactions. <i>Polyhedron</i> , 2004, 23, 2779-2788.	1.0	54

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55	Tunable Energy-Transfer Process in Heterometallic MOF Materials Based on 2,6-Naphthalenedicarboxylate: Solid-State Lighting and Near-Infrared Luminescence Thermometry. <i>Chemistry of Materials</i> , 2020, 32, 7458-7468.	3.2	54
56	Supramolecular Assembly of Molecular Rare-Earth ³⁺ -3,5-Dichlorobenzoic Acid ²⁻ -6 ²⁺ -2 ³⁻ -Terpyridine Materials: Structural Systematics, Luminescence Properties, and Magnetic Behavior. <i>Inorganic Chemistry</i> , 2016, 55, 6902-6915.	1.9	53
57	High-Spin Mn Wheels. <i>Inorganic Chemistry</i> , 2007, 46, 6968-6979.	1.9	52
58	Tetraanionic Biphenyl Lanthanide Complexes as Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2015, 54, 2374-2382.	1.9	49
59	Anion-induced Ag ^I -self-assemblies with electron deficient aromatic ligands: anion ⁻ -system interactions as a driving force for templated coordination networks. <i>Chemical Communications</i> , 2015, 51, 9547-9550.	2.2	48
60	Lanthanide ³⁺ -Based Molecular Cluster ⁺ Aggregates: Optical Barcoding and White ⁺ Light Emission with Nanosized {Ln ₂₀ } Compounds. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6130-6136.	7.2	48
61	Unprecedented Trinuclear Ag ^I Complex with 2,4,6-Tris(2 ⁻ pyrimidyl) ^{1,3,5} -triazine as an Efficient Catalyst for the Aziridination of Olefins. <i>Chemistry - A European Journal</i> , 2015, 21, 6144-6149.	1.7	47
62	Slow Magnetic Relaxation Observed in Dysprosium Compounds Containing Unsupported Near-Linear Hydroxo- and Fluoro-Bridges. <i>Inorganic Chemistry</i> , 2015, 54, 6195-6202.	1.9	47
63	Single-molecule magnet behaviour in a tetranuclear Dy ^{III} complex formed from a novel tetrazine-centered hydrazone Schiff base ligand. <i>Dalton Transactions</i> , 2017, 46, 2471-2478.	1.6	47
64	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
65	Preparation and Characterization of a Reduced Chromium Complex via Vinyl Oxidative Coupling: Formation of a Self-Activating Catalyst for Selective Ethylene Trimerization. <i>Journal of the American Chemical Society</i> , 2011, 133, 6380-6387.	6.6	43
66	Strategies for producing cluster-based magnetic arrays. <i>Polyhedron</i> , 2001, 20, 1687-1697.	1.0	42
67	Terminal solvent effects on the anisotropy barriers of Dy ₂ systems. <i>Dalton Transactions</i> , 2016, 45, 16709-16715.	1.6	41
68	2,3,5,6-Tetra(1 <i>H</i> -tetrazol-5-yl)pyrazine: A Thermally Stable Nitrogen-Rich Energetic Material. <i>ACS Applied Energy Materials</i> , 2018, 1, 589-593.	2.5	41
69	Strong ferromagnetic exchange coupling in a {NiII ₄ } cluster mediated through an air-stable tetrazine-based radical anion. <i>Chemical Communications</i> , 2017, 53, 8660-8663.	2.2	40
70	The orientation is in the details. <i>Nature Chemistry</i> , 2012, 4, 347-348.	6.6	39
71	Gradual spin crossover behaviour in a linear trinuclear FeII complex. <i>CrystEngComm</i> , 2011, 13, 5190.	1.3	37
72	Synthesis, Structure, and Spectroscopic and Magnetic Characterization of [Mn ₁₂ O ₁₂ (O ₂) ₂ (CCH ₂ Bu ^t) ₁₆ (MeOH) ₄] ⁺ ·Me ⁻ a Mn ₁₂ Single-Molecule Magnet with True Axial Symmetry. <i>Inorganic Chemistry</i> , 2013, 52, 258-272.	1.9	36

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73	The renaissance of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT) coordination chemistry. Dalton Transactions, 2015, 44, 20287-20294.	1.6	35
74	A comparison between high-symmetry Mn ₁₂ single-molecule magnets in different ligand/solvent environments. Polyhedron, 2005, 24, 2284-2292.	1.0	34
75	Novel Co-based metal-organic frameworks and their magnetic properties using asymmetrically binding 4-(4-carboxyphenyl)-1,2,4-triazole. Dalton Transactions, 2013, 42, 7795.	1.6	34
76	Modern trends in "Green"-primary energetic materials. New Journal of Chemistry, 2021, 45, 10150-10159.	1.4	34
77	Surface charge of polyoxometalates modulates polymerization of the scrapie prion protein. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3740-3745.	3.3	33
78	Stable water-soluble iron oxide nanoparticles using Tiron. Materials Chemistry and Physics, 2013, 138, 29-37.	2.0	32
79	Renaissance of the coordination chemistry of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT). Part I: First crystal structure of a TPymT complex with a d-metal cation. CrystEngComm, 2013, 15, 10419.	1.3	32
80	Triplet-State Position and Crystal-Field Tuning in Opto-Magnetic Lanthanide Complexes: Two Sides of the Same Coin. Chemistry - A European Journal, 2019, 25, 14625-14637.	1.7	32
81	New Mn ₁₂ single-molecule magnets from edge-sharing bioctahedra. Dalton Transactions, 2006, , 2285.	1.6	31
82	High-Temperature Spin Crossover Behavior in a Nitrogen-Rich Fe ^{III} -Based System. Inorganic Chemistry, 2013, 52, 1825-1831.	1.9	30
83	One pot synthesis and systematic study of the photophysical and magnetic properties and thermal sensing of I [±] and I ² -phase NaLnF ₄ and I ² -phase core@shell nanoparticles. New Journal of Chemistry, 2018, 42, 13393-13405.	1.4	29
84	Stark Sublevel-Based Thermometry with Tb(III) and Dy(III) Complexes Cosensitized via the 2-Amidinopyridine Ligand. Inorganic Chemistry, 2020, 59, 11061-11070.	1.9	29
85	Toward Opto-Structural Correlation to Investigate Luminescence Thermometry in an Organometallic Eu(II) Complex. Journal of the American Chemical Society, 2022, 144, 912-921.	6.6	29
86	Fluorescent dialdehyde ligand for the encapsulation of dinuclear luminescent lanthanide complexes. Dalton Transactions, 2010, 39, 5698.	1.6	28
87	From a Piano Stool to a Sandwich: A Stepwise Route for Improving the Slow Magnetic Relaxation Properties of Thulium. Organometallics, 2017, 36, 4515-4518.	1.1	28
88	Room-Temperature Upconversion in a Nanosized {Ln ₁₅ } Molecular Cluster-Aggregate. ACS Nano, 2021, 15, 5580-5585.	7.3	28
89	A spectroscopic comparison between several high-symmetry S=10 Mn ₁₂ single-molecule magnets. Journal of Applied Physics, 2005, 97, 10M510.	1.1	27
90	Single-molecule magnets: synthesis, structures and magnetic properties of Mn ₁₁ and Mn ₂₅ clusters. Polyhedron, 2005, 24, 2894-2899.	1.0	26

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91	A novel high-spin tridecanuclear Ni ^{II} cluster with an azido-bridged core exhibiting disk-like topology. <i>Chemical Communications</i> , 2012, 48, 1287-1289.	2.2	26
92	Renaissance of the coordination chemistry of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT). Part II: new insights into the reaction of TPymT with Pb(NO ₃) ₂ . <i>CrystEngComm</i> , 2014, 16, 3466-3469.	1.3	26
93	Two heads are better than one: improving magnetic relaxation in the dysprosium metallocene upon dimerization by use of an exceptionally weakly-coordinating anion. <i>Chemical Communications</i> , 2020, 56, 5937-5940.	2.2	26
94	Isolation and Characterization of a Class II Mixed-Valence Chromium(I)/(II) Self-Activating Ethylene Trimerization Catalyst. <i>Organometallics</i> , 2012, 31, 486-494.	1.1	25
95	Hybrid Nanomaterials: Anchoring Magnetic Molecules on Naked Gold Nanocrystals. <i>Inorganic Chemistry</i> , 2013, 52, 14411-14418.	1.9	25
96	Hybrid Material Constructed from Hg(NCS) ₂ and 2,4,6-Tris(2-pyrimidyl)-1,3,5-triazine (TPymT): Coordination of TPymT in a 2,2'-Bipyridine-Like Mode. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 441-446.	1.0	25
97	[U(bipy) ₄]: A Mistaken Case of U ⁰ ?. <i>Chemistry - A European Journal</i> , 2016, 22, 1931-1936.	1.7	25
98	Connecting mononuclear dysprosium single-molecule magnets to form dinuclear complexes via in situ ligand oxidation. <i>Chemical Communications</i> , 2016, 52, 677-680.	2.2	25
99	Polycopper(II) aggregates as building blocks for supramolecular magnetic structures. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 667-676.	1.9	24
100	Impact of the coordination environment on the magnetic properties of single-molecule magnets based on homo- and hetero-dinuclear terbium(III) heteroleptic tris(crownphthalocyaninate). <i>Dalton Transactions</i> , 2016, 45, 9320-9327.	1.6	24
101	A propeller-shaped 1/4 ₄ -carbonate hexanuclear dysprosium complex with a high energetic barrier to magnetisation relaxation. <i>Dalton Transactions</i> , 2016, 45, 16769-16773.	1.6	24
102	Confinement effects of a crystalline sponge on ferrocene and ferrocene carboxaldehyde. <i>Chemical Communications</i> , 2017, 53, 5645-5648.	2.2	24
103	A family of ferrocene-rich Mn ₇ , Mn ₈ and Mn ₁₃ clusters. <i>Polyhedron</i> , 2007, 26, 2276-2280.	1.0	23
104	Novel in situ manganese-promoted double-aldol addition. <i>Inorganica Chimica Acta</i> , 2012, 380, 378-385.	1.2	23
105	Interaction of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT) with CoX ₂ (X = Cl, Br) in water: trapping of new self-assembled water-chloride/bromide clusters in a [Co(bpca) ₂] ⁺ host (bpca = bis(2-pyrimidylcarbonyl)amidate anion). <i>New Journal of Chemistry</i> , 2015, 39, 7147-7152.	1.4	23
106	Mononuclear, Dinuclear, and Trinuclear Iron Complexes Featuring a New Monoanionic SNS Thiolate Ligand. <i>Inorganic Chemistry</i> , 2016, 55, 987-997.	1.9	23
107	Controlling the Energy Transfer Processes in a Nanosized Molecular Upconverter to Tap into Luminescence Thermometry Application. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	22
108	Anisotropy barrier reduction in fast-relaxing Mn ₁₂ single-molecule magnets. <i>Physical Review B</i> , 2009, 80, .	1.1	21

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109	Elucidating the elusive crystal structure of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine. <i>CrystEngComm</i> , 2015, 17, 2190-2195.	1.3	21
110	Inside-Out/Outside-In Tunability in Nanosized Lanthanide-Based Molecular Cluster-Aggregates: Modulating the Luminescence Thermometry Performance via Composition Control. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47052-47060.	4.0	21
111	Hidden Transformations of a Crystalline Sponge: Elucidating the Stability of a Highly Porous Three-Dimensional Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2016, 16, 4043-4050.	1.4	20
112	A tunable lanthanide cubane platform incorporating air-stable radical ligands for enhanced magnetic communication. <i>Communications Chemistry</i> , 2018, 1, .	2.0	20
113	Paramagnetic Nanocrystals: Remarkable Lanthanide-Doped Nanoparticles with Varied Shape, Size, and Composition. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3721-3733.	2.1	19
114	Nonanuclear lanthanide(III) nanoclusters: Structure, luminescence and magnetic properties. <i>Polyhedron</i> , 2013, 53, 187-192.	1.0	19
115	Effect of the Mn Oxidation State on Single-Molecule-Magnet Properties: Mn ^{III} vs Mn ^{IV} in Biologically Inspired DyMn ₃ O ₄ Cubanes. <i>Inorganic Chemistry</i> , 2016, 55, 6095-6099.	1.9	19
116	Probing Magnetic Exchange Coupling in Supramolecular Squares Based on Reducible Tetrazine-Derived Ligands. <i>Chemistry - A European Journal</i> , 2018, 24, 4259-4263.	1.7	19
117	From discrete molecule, to polymer, to MOF: mapping the coordination chemistry of Cd ^{II} using ¹¹³ Cd solid-state NMR. <i>Chemical Communications</i> , 2016, 52, 10680-10683.	2.2	18
118	Unprecedented intramolecular pancake bonding in a {Dy ₂ } single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2592-2601.	3.0	18
119	Multifunktionale Einzelmolekülmagnete auf Lanthanoidbasis in neuem Licht. <i>Angewandte Chemie</i> , 2021, 133, 1752-1772.	1.6	18
120	A family of mixed-valent tridecanuclear clusters, and their magnetostructural correlation. <i>Polyhedron</i> , 2007, 26, 2129-2134.	1.0	17
121	Self-assembly of square-lattice copper sheets displaying intra-ferromagnetism. <i>Inorganica Chimica Acta</i> , 2011, 370, 98-101.	1.2	17
122	Unprecedented Octanuclear Dy ^{III} Cluster Exhibiting Single-Molecule Magnet Behavior. <i>Crystal Growth and Design</i> , 2017, 17, 5044-5048.	1.4	17
123	⁵⁵ Mn nuclear spin relaxation in the truly axial single-molecule magnet Mn ₁₂ -t-butylacetate thermally-activated down to 400mK. <i>Polyhedron</i> , 2007, 26, 2320-2324.	1.0	16
124	NIR-to-NIR emission on a water-soluble {Er ₆ } and {Er ₃ Yb ₃ } nanosized molecular wheel. <i>Nanoscale</i> , 2020, 12, 11435-11439.	2.8	16
125	Enhancing Magnetic Communication between Metal Centres: The Role of Tetrazine Based Radicals as Ligands. <i>Chemistry - A European Journal</i> , 2021, 27, 5091-5106.	1.7	16
126	Turning on Single-Molecule Magnet Behavior in a Linear {Mn ₃ } Compound. <i>Inorganic Chemistry</i> , 2013, 52, 1296-1303.	1.9	15

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127	Isolation of a Hexanuclear Chromium Cluster with a Tetrahedral Hydridic Core and Its Catalytic Behavior for Ethylene Oligomerization. <i>Inorganic Chemistry</i> , 2014, 53, 6073-6081.	1.9	15
128	Inducing magnetic communication in caged dinuclear Co(II) systems. <i>Dalton Transactions</i> , 2015, 44, 8649-8659.	1.6	15
129	Ambivalent binding between a radical-based pincer ligand and iron. <i>Dalton Transactions</i> , 2015, 44, 10516-10523.	1.6	15
130	Intercalation of Coordinatively Unsaturated Fe III Ion within Interpenetrated Metal-Organic Framework MOF-5. <i>Chemistry - A European Journal</i> , 2016, 22, 7711-7715.	1.7	15
131	Stable Actinide π -Complexes of a Neutral 1,4-Diborabenzene. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13109-13115.	7.2	15
132	Probing optical and magnetic properties <i>via</i> subtle stereoelectronic effects in mononuclear Dy III -complexes. <i>Chemical Communications</i> , 2021, 57, 7818-7821.	2.2	15
133	Field-sweep-rate dependence of the coercive field of single-molecule magnets: A classical approach with applications to the quantum regime. <i>Physical Review B</i> , 2005, 72, .	1.1	14
134	New derivatives of an enneanuclear Mn SMM. <i>Polyhedron</i> , 2007, 26, 1845-1848.	1.0	14
135	Harnessing the Synergy between Upconverting Nanoparticles and Lanthanide Complexes in a Multiwavelength-Responsive Hybrid System. <i>ACS Photonics</i> , 2019, 6, 436-445.	3.2	14
136	A zero-field single-molecule magnet with luminescence thermometry capabilities containing soft donors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13946-13953.	2.7	14
137	Halide Influence on Molecular and Supramolecular Arrangements of Iron Complexes with a 3,5-Bis(2-Pyridyl)-1,2,4,6-Thiatriazine Ligand. <i>Inorganic Chemistry</i> , 2016, 55, 5375-5383.	1.9	13
138	Study of a novel hepta-coordinated Fe III bimetallic complex with an unusual 1,2,4,5-tetrazine-ring opening. <i>Polyhedron</i> , 2016, 108, 163-168.	1.0	13
139	Relaxation dynamics in see-saw shaped Dy(III) single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4805-4812.	3.0	13
140	Actinide arene-metalates: ion pairing effects on the electronic structure of unsupported uranium-arene sandwich complexes. <i>Chemical Science</i> , 2021, 12, 13360-13372.	3.7	13
141	Enchaining EDTA-chelated lanthanide molecular magnets into ordered 1D networks. <i>RSC Advances</i> , 2016, 6, 72510-72518.	1.7	12
142	Not Just Lewis Acids: Preface for the Forum on New Trends and Applications for Lanthanides. <i>Inorganic Chemistry</i> , 2016, 55, 9951-9953.	1.9	12
143	Dual magnetic field and temperature optical probes of controlled crystalline phases in lanthanide-doped multi-shell nanoparticles. <i>Nanoscale</i> , 2021, 13, 14723-14733.	2.8	12
144	Phonon-assisted molecular upconversion in a holmium(III)-based molecular cluster-aggregate. <i>Nanoscale</i> , 2022, 14, 9675-9680.	2.8	12

#	ARTICLE	IF	CITATIONS
145	Probing Optical Anisotropy and Polymorph-Dependent Photoluminescence in [Ln ₂] Complexes by Hyperspectral Imaging on Single Crystals. <i>Chemistry - A European Journal</i> , 2018, 24, 10146-10155.	1.7	11
146	Design Strategy for the Controlled Generation of Cationic Frameworks and Ensuing Anion-Exchange Capabilities. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3181-3188.	4.0	11
147	Aufbau <i>vs.</i> non-Aufbau ground states in two-coordinate d ⁷ single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 5076-5085.	3.0	11
148	[Ln ₁₆] complexes (Ln = Gd ^{III} , Dy ^{III}): molecular analogues of natural minerals such as hydrothermalite. <i>Dalton Transactions</i> , 2018, 47, 12847-12851.	1.6	10
149	Luminescence thermometry using sprayed films of metal complexes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1767-1775.	2.7	10
150	High pressure study of a highly energetic nitrogen-rich carbon nitride, cyanuric triazide. <i>Journal of Chemical Physics</i> , 2014, 141, 234506.	1.2	9
151	Dense nitrogen-rich energetic materials: A study of 5,5-bis(1 <i>H</i> -tetrazolyl)amine. <i>Journal of Chemical Physics</i> , 2014, 140, 184701.	1.2	9
152	Probing the structural and magnetic properties of a new family of centrosymmetric dinuclear lanthanide complexes. <i>RSC Advances</i> , 2016, 6, 56668-56673.	1.7	9
153	Anion-Dependent Catalytic C-C Bond Cleavage of a Lignin Model within a Cationic Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 688-695.	4.0	9
154	Lanthanide-Based Molecular Cluster Aggregates: Optical Barcoding and White Light Emission with Nanosized {Ln ₂₀ } Compounds. <i>Angewandte Chemie</i> , 2021, 133, 6195-6201.	1.6	9
155	Reversible Redox, Spin Crossover, and Superexchange Coupling in 3 <i>d</i> Transition-Metal Complexes of <i>Bis</i> -Azinyl Analogues of 2,2',6',6'-Tetrapyridine. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1212-1223.	1.8	8
156	Synthesis and Investigation of 2,3,5,6-Tetra-(1 <i>H</i> -tetrazol-5-yl)pyrazine Based Energetic Materials. <i>ChemPlusChem</i> , 2018, 83, 984-990.	1.3	8
157	Higher performing and less sensitive CN ₇ -based high-energy-density material. <i>Science China Materials</i> , 2020, 63, 1779-1787.	3.5	8
158	A Barrel-Shaped Metal-Organic Blue-Box Analogue with Photo-Redox-Switchable Behavior. <i>Chemistry - A European Journal</i> , 2020, 26, 16455-16462.	1.7	8
159	Extreme <i>g</i> -Tensor Anisotropy and Its Insensitivity to Structural Distortions in a Family of Linear Two-Coordinate Ni(I) Bis-N-heterocyclic Carbene Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 1308-1315.	1.9	8
160	Exploring the Promotion of Synthons of Choice: Halogen Bonding in Molecular Lanthanide Complexes Characterized via X-ray Diffraction, Luminescence Spectroscopy, and Magnetic Measurements. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1948-1955.	0.6	6
161	A nitrogen-rich ligand as a scaffold for slow magnetic relaxation in dysprosium-based 0D and 1D architectures. <i>Dalton Transactions</i> , 2018, 47, 11782-11787.	1.6	6
162	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

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163	Incorporation of a nitrogen-rich energetic ligand in a {YbIII ₂ } complex exhibiting slow relaxation of the magnetisation under an applied field. Dalton Transactions, 2020, 49, 10344-10348.	1.6	6
164	Structural Tuning of Energetic Material Bis(1H-tetrazol-5-yl)amine Monohydrate under Pressures Probed by Vibrational Spectroscopy and X-ray Diffraction. Journal of Physical Chemistry C, 2014, 118, 26504-26512.	1.5	5
165	Chromium–Chromium Interaction in a Binuclear Mixed-Valent Cr ^I –Cr ^{II} Complex. Inorganic Chemistry, 2014, 53, 11492-11497.	1.9	4
166	Late Lanthanide Macrocyclic Tetra-NHC Complexes. Inorganic Chemistry, 2022, 61, 1611-1619.	1.9	4
167	Tetrazine-Based Ligand Transformation Driving Metal–Metal Bond and Mixed-Valence Hg ^I /Hg ^{II} . ACS Omega, 2018, 3, 10273-10277.	1.6	3
168	Rational Design of Tetranuclear Complexes Employing N-Imidoylamidine Based Ligands. European Journal of Inorganic Chemistry, 2019, 2019, 963-972.	1.0	3
169	A chelate like no other: exploring the synthesis, coordination chemistry and applications of imidoyl amidine frameworks. Materials Advances, 2020, 1, 2688-2706.	2.6	3
170	Radical-Bridged Ln ₄ Metallocene Complexes with Strong Magnetic Coupling and a Large Coercive Field. Angewandte Chemie, 0, , .	1.6	3
171	Polyalcohol ligand in Cu ^I and Fe ^{III} cluster chemistry: Synthesis, structures and magnetic properties of {Cu ₁₂ } and {Fe ₈ } aggregates. Inorganica Chimica Acta, 2011, 375, 187-192.	1.2	2
172	Lead bipyridyl hexacyanoferrate complex. Russian Journal of Inorganic Chemistry, 2011, 56, 258-261.	0.3	2
173	Ferromagnetically coupled dinuclear M ^{III} complexes based on a borotriazine ligand framework. Dalton Transactions, 2018, 47, 14875-14879.	1.6	2
174	Controlling the Energy Transfer Processes in a Nanosized Molecular Upconverter to Tap into Luminescence Thermometry Application. Angewandte Chemie, 0, , .	1.6	2
175	The isotropic and anisotropic interactions of the alternating ferromagnetic quasi-one-dimensional magnet [Cu ₄ (ndpa) ₂ (H ₂ O) ₆ Cl ₂]·4H ₂ O. Journal of Physics Condensed Matter, 2003, 15, 4477-4486.	0.7	0
176	Frontispiece: Enhancing Magnetic Communication between Metal Centres: The Role of Tetrazine Based Radicals as Ligands. Chemistry - A European Journal, 2021, 27, .	1.7	0
177	Titelbild: Radical-Bridged Ln ₄ Metallocene Complexes with Strong Magnetic Coupling and a Large Coercive Field (Angew. Chem. 45/2021). Angewandte Chemie, 2021, 133, 24117-24117.	1.6	0