

Muralee Murugesu

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184
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51
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96
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ext. papers

11,150
ext. citations

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#	Paper	IF	Citations
184	Single-molecule magnet behavior for an antiferromagnetically superexchange-coupled dinuclear dysprosium(III) complex. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5319-28	16.4	485
183	Dinuclear dysprosium(III) single-molecule magnets with a large anisotropic barrier. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8848-51	16.4	473
182	The rise of 3-d single-ion magnets in molecular magnetism: towards materials from molecules?. <i>Chemical Science</i> , 2016 , 7, 2470-2491	9.4	408
181	Single-molecule magnets: a Mn ²⁵ complex with a record S = 51/2 spin for a molecular species. <i>Journal of the American Chemical Society</i> , 2004 , 126, 4766-7	16.4	406
180	Lessons learned from dinuclear lanthanide nano-magnets. <i>Chemical Society Reviews</i> , 2013 , 42, 3278-88	58.5	382
179	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, 4413-7	16.4	327
178	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, 8830-3	16.4	303
177	Single-molecule magnet behavior with a single metal center enhanced through peripheral ligand modifications. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15814-7	16.4	286
176	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, 13242-5	16.4	239
175	Coupling strategies to enhance single-molecule magnet properties of erbium-cyclooctatetraenyl complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8003-10	16.4	236
174	An organometallic sandwich lanthanide single-ion magnet with an unusual multiple relaxation mechanism. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19286-9	16.4	236
173	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, 13640-3	16.4	203
172	Mixed 3d/4d and 3d/4f metal clusters: Tetranuclear Fe ₂ III M ₂ III (MIII=Ln, Y) and Mn ₂ IV M ₂ III (M=Yb, Y) complexes, and the first Fe/4f single-molecule magnets. <i>Polyhedron</i> , 2006 , 25, 613-625	2.7	185
171	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, 15806-9	16.4	184
170	Iron complex-catalyzed ammonia-borane dehydrogenation. A potential route toward B-N-containing polymer motifs using earth-abundant metal catalysts. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5598-609	16.4	182
169	An organometallic building block approach to produce a multidecker 4f single-molecule magnet. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3502-10	16.4	177
168	Influence of the ligand field on slow magnetization relaxation versus spin crossover in mononuclear cobalt complexes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11290-3	16.4	171

167	A family of manganese rods: syntheses, structures, and magnetic properties. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15445-57	16.4	159
166	Pursuit of Record Breaking Energy Barriers: A Study of Magnetic Axiality in Diamide Ligated Dy Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1420-1423	16.4	149
165	An unsymmetrical coordination environment leading to two slow relaxation modes in a Dy ²⁺ single-molecule magnet. <i>Chemical Communications</i> , 2011 , 47, 10993-5	5.8	149
164	New structural motifs in manganese single-molecule magnetism from the use of triethanolamine ligands. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 892-6	16.4	148
163	Supramolecular architectures for controlling slow magnetic relaxation in field-induced single-molecule magnets. <i>Chemical Science</i> , 2012 , 3, 2158	9.4	140
162	Synthesis, structure, and magnetic properties of a [Mn ₂₂] wheel-like single-molecule magnet. <i>Inorganic Chemistry</i> , 2004 , 43, 4203-9	5.1	139
161	Planar tetranuclear Dy(III) single-molecule magnet and its Sm(III), Gd(III), and Tb(III) analogues encapsulated by salen-type and β-diketonate ligands. <i>Inorganic Chemistry</i> , 2011 , 50, 7059-65	5.1	137
160	A sandwich complex with axial symmetry for harnessing the anisotropy in a prolate erbium(III) ion. <i>Chemical Communications</i> , 2014 , 50, 1602-4	5.8	116
159	New routes to polymetallic clusters: fluoride-based tri-, deca-, and hexaicosametallic Mn(III) clusters and their magnetic properties. <i>Chemistry - A European Journal</i> , 2004 , 10, 5180-94	4.8	109
158	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, 14670-8	16.4	108
157	An Organolanthanide Building Block Approach to Single-Molecule Magnets. <i>Accounts of Chemical Research</i> , 2016 , 49, 1158-67	24.3	105
156	Salen-based [Zn ₂ Ln ₃] complexes with fluorescence and single-molecule-magnet properties. <i>Inorganic Chemistry</i> , 2009 , 48, 8051-3	5.1	103
155	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, 6368-73	4.3	101
154	Linking centered manganese triangles into larger clusters: a {Mn ₃₂ } truncated cube. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6540-3	16.4	98
153	Dinuclear Dysprosium(III) Single-Molecule Magnets with a Large Anisotropic Barrier. <i>Angewandte Chemie</i> , 2008 , 120, 8980-8983	3.6	87
152	Recent developments in the field of energetic ionic liquids. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8153-8173	13	86
151	Structure and magnetic properties of a giant Cu ₄₄ II aggregate which packs with a zeotypic superstructure. <i>Inorganic Chemistry</i> , 2004 , 43, 7269-71	5.1	84
150	Shining New Light on Multifunctional Lanthanide Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1728-1746	16.4	80

149	A Polynuclear Lanthanide Single-Molecule Magnet with a Record Anisotropic Barrier. <i>Angewandte Chemie</i> , 2009 , 121, 9653-9656	3.6	76
148	Hierarchical assembly of {Fe ₁₃ } oxygen-bridged clusters into a close-packed superstructure. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6678-82	16.4	75
147	Ytterbium can relax slowly too: a field-induced Yb ₂ single-molecule magnet. <i>Dalton Transactions</i> , 2012 , 41, 12349-52	4.3	68
146	Fine-tuning the Local Symmetry to Attain Record Blocking Temperature and Magnetic Remanence in a Single-Ion Magnet. <i>Angewandte Chemie</i> , 2014 , 126, 4502-4506	3.6	67
145	Slow Magnetic Relaxation in Uranium(III) and Neodymium(III) Cyclooctatetraenyl Complexes. <i>Organometallics</i> , 2015 , 34, 1415-1418	3.8	62
144	Two-dimensional networks of lanthanide cubane-shaped dumbbells. <i>Inorganic Chemistry</i> , 2009 , 48, 11748-54	9.5	62
143	Ferromagnetic interactions mediated by synanti carboxylate bridging in tetranuclear copper(II) compounds. <i>Inorganica Chimica Acta</i> , 2002 , 337, 328-336	2.7	62
142	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	16.8	61
141	A Rare μ -O 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	2.3	61
140	Lanthanide complexes of tritopic bis(hydrazone) ligands: single-molecule magnet behavior in a linear Dy(III) ₃ complex. <i>Inorganic Chemistry</i> , 2012 , 51, 1028-34	5.1	60
139	Structural rearrangement through lanthanide contraction in dinuclear complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 2102-12	5.1	59
138	Magnetic Axiality: Design Principles from Molecules to Materials. <i>Trends in Chemistry</i> , 2019 , 1, 425-439	14.8	57
137	Preparation and properties of new Fe ₆ and Fe ₈ clusters of iron(III) with tripodal ligands. <i>Dalton Transactions</i> , 2003 , 4552	4.3	54
136	New hexanuclear and dodecanuclear Fe(III) clusters with carboxylate and alkoxide-based ligands from cluster aggregation reactions. <i>Polyhedron</i> , 2004 , 23, 2779-2788	2.7	53
135	Single-molecule magnetism arising from cobalt(II) nodes of a crystalline sponge. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 835-841	7.1	51
134	Exploring the dual functionality of an ytterbium complex for luminescence thermometry and slow magnetic relaxation. <i>Chemical Science</i> , 2019 , 10, 6799-6808	9.4	51
133	High-spin Mn wheels. <i>Inorganic Chemistry</i> , 2007 , 46, 6968-79	5.1	51
132	Observation of unusual slow-relaxation of the magnetisation in a Gd-EDTA chelate. <i>Dalton Transactions</i> , 2015 , 44, 20321-5	4.3	50

131	Stepwise crystallographic visualization of dynamic guest binding in a nanoporous framework. <i>Chemical Science</i> , 2017 , 8, 3171-3177	9.4	49
130	Structural and magnetic conformation of a cerocene [Ce(COT ^{'''}) ₂]- exhibiting a uniconfigurational f1 ground state and slow-magnetic relaxation. <i>Dalton Transactions</i> , 2014 , 43, 2737-40	4.3	49
129	Large Mn ₂₅ single-molecule magnet with spin S = 51/2: magnetic and high-frequency electron paramagnetic resonance spectroscopic characterization of a giant spin state. <i>Inorganic Chemistry</i> , 2008 , 47, 9459-70	5.1	49
128	Supramolecular Assembly of Molecular Rare-Earth-3,5-Dichlorobenzoic Acid-2,2':6',2''-Terpyridine Materials: Structural Systematics, Luminescence Properties, and Magnetic Behavior. <i>Inorganic Chemistry</i> , 2016 , 55, 6902-15	5.1	46
127	Cycloheptatrienyl trianion: an elusive bridge in the search of exchange coupled dinuclear organolanthanide single-molecule magnets. <i>Chemical Science</i> , 2017 , 8, 231-240	9.4	44
126	Adhering magnetic molecules to surfaces. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11986-11998	7.1	42
125	Tetraanionic biphenyl lanthanide complexes as single-molecule magnets. <i>Inorganic Chemistry</i> , 2015 , 54, 2374-82	5.1	41
124	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, 6380-7	16.4	40
123	Slow Magnetic Relaxation Observed in Dysprosium Compounds Containing Unsupported Near-Linear Hydroxo- and Fluoro-Bridges. <i>Inorganic Chemistry</i> , 2015 , 54, 6195-202	5.1	38
122	Strategies for producing cluster-based magnetic arrays. <i>Polyhedron</i> , 2001 , 20, 1687-1697	2.7	38
121	Single-molecule magnet behaviour in a tetranuclear Dy complex formed from a novel tetrazine-centered hydrazone Schiff base ligand. <i>Dalton Transactions</i> , 2017 , 46, 2471-2478	4.3	36
120	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, 6144-9	4.8	36
119	Anion-induced Ag(I) self-assemblies with electron deficient aromatic ligands: anion-π-system interactions as a driving force for templated coordination networks. <i>Chemical Communications</i> , 2015 , 51, 9547-50	5.8	36
118	Synthesis, structure, and spectroscopic and magnetic characterization of [Mn ₁₂ O ₁₂ (O ₂ CCH ₂ But) ₁₆ (MeOH) ₄][MeOH], a Mn ₁₂ single-molecule magnet with true axial symmetry. <i>Inorganic Chemistry</i> , 2013 , 52, 258-72	5.1	36
117	Strong ferromagnetic exchange coupling in a {Ni} cluster mediated through an air-stable tetrazine-based radical anion. <i>Chemical Communications</i> , 2017 , 53, 8660-8663	5.8	33
116	Surface charge of polyoxometalates modulates polymerization of the scrapie prion protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3740-5	11.5	33
115	Gradual spin crossover behaviour in a linear trinuclear FeII complex. <i>CrystEngComm</i> , 2011 , 13, 5190	3.3	32
114	A comparison between high-symmetry Mn ₁₂ single-molecule magnets in different ligand/solvent environments. <i>Polyhedron</i> , 2005 , 24, 2284-2292	2.7	32

- 113 Terminal solvent effects on the anisotropy barriers of Dy systems. *Dalton Transactions*, **2016**, 45, 16709-16715 31
- 112 Novel Co-based metal-organic frameworks and their magnetic properties using asymmetrically binding 4-(4'-carboxyphenyl)-1,2,4-triazole. *Dalton Transactions*, **2013**, 42, 7795-802 4.3 31
- 111 New Mn₁₂ single-molecule magnets from edge-sharing bioctahedra. *Dalton Transactions*, **2006**, 2285-7 4.3 30
- 110 Tunable Energy-Transfer Process in Heterometallic MOF Materials Based on 2,6-Naphthalenedicarboxylate: Solid-State Lighting and Near-Infrared Luminescence Thermometry. *Chemistry of Materials*, **2020**, 32, 7458-7468 9.6 29
- 109 Stable water-soluble iron oxide nanoparticles using Tiron. *Materials Chemistry and Physics*, **2013**, 138, 29-37 4.4 26
- 108 High-temperature spin crossover behavior in a nitrogen-rich Fe(III)-based system. *Inorganic Chemistry*, **2013**, 52, 1825-31 5.1 26
- 107 A novel high-spin tridecanuclear Ni(II) cluster with an azido-bridged core exhibiting disk-like topology. *Chemical Communications*, **2012**, 48, 1287-9 5.8 26
- 106 Fluorescent dialdehyde ligand for the encapsulation of dinuclear luminescent lanthanide complexes. *Dalton Transactions*, **2010**, 39, 5698-704 4.3 26
- 105 Connecting mononuclear dysprosium single-molecule magnets to form dinuclear complexes via in situ ligand oxidation. *Chemical Communications*, **2016**, 52, 677-80 5.8 25
- 104 Single-molecule magnets: synthesis, structures and magnetic properties of Mn₁₁ and Mn₂₅ clusters. *Polyhedron*, **2005**, 24, 2894-2899 2.7 25
- 103 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 3.3 24
- 102 A spectroscopic comparison between several high-symmetry S=10 Mn₁₂ single-molecule magnets. *Journal of Applied Physics*, **2005**, 97, 10M510 2.5 24
- 101 The renaissance of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT) coordination chemistry. *Dalton Transactions*, **2015**, 44, 20287-94 4.3 23
- 100 2,3,5,6-Tetra(1H-tetrazol-5-yl)pyrazine: A Thermally Stable Nitrogen-Rich Energetic Material. *ACS Applied Energy Materials*, **2018**, 1, 589-593 6.1 23
- 99 Novel in situ manganese-promoted double-aldol addition. *Inorganica Chimica Acta*, **2012**, 380, 378-385 2.7 23
- 98 Isolation and Characterization of a Class II Mixed-Valence Chromium(I)/(II) Self-Activating Ethylene Trimerization Catalyst. *Organometallics*, **2012**, 31, 486-494 3.8 22
- 97 Polycopper(II) aggregates as building blocks for supramolecular magnetic structures. *Journal of Physics and Chemistry of Solids*, **2004**, 65, 667-676 3.9 22
- 96 Confinement effects of a crystalline sponge on ferrocene and ferrocene carboxaldehyde. *Chemical Communications*, **2017**, 53, 5645-5648 5.8 21

95	Hybrid nanomaterials: anchoring magnetic molecules on naked gold nanocrystals. <i>Inorganic Chemistry</i> , 2013 , 52, 14411-8	5.1	21
94	Anisotropy barrier reduction in fast-relaxing Mn ₁₂ single-molecule magnets. <i>Physical Review B</i> , 2009 , 80,	3.3	21
93	A family of ferrocene-rich Mn ₇ , Mn ₈ and Mn ₁₃ clusters. <i>Polyhedron</i> , 2007 , 26, 2276-2280	2.7	21
92	One pot synthesis and systematic study of the photophysical and magnetic properties and thermal sensing of μ_3 and μ_2 phase NaLnF ₄ and μ_2 phase core@shell nanoparticles. <i>New Journal of Chemistry</i> , 2018 , 42, 13393-13405	3.6	20
91	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, 9320-7	4.3	20
90	A propeller-shaped μ_3 carbonate hexanuclear dysprosium complex with a high energetic barrier to magnetisation relaxation. <i>Dalton Transactions</i> , 2016 , 45, 16769-16773	4.3	20
89	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	3.3	19
88	Influence of the Ligand Field on Slow Magnetization Relaxation versus Spin Crossover in Mononuclear Cobalt Complexes. <i>Angewandte Chemie</i> , 2013 , 125, 11500-11503	3.6	18
87	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	3.8	18
86	Paramagnetic Nanocrystals: Remarkable Lanthanide-Doped Nanoparticles with Varied Shape, Size, and Composition. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 3721-33	6.4	18
85	[U(bipy)]: A Mistaken Case of U ? . <i>Chemistry - A European Journal</i> , 2016 , 22, 1931-1936	4.8	18
84	Triplet-State Position and Crystal-Field Tuning in Opto-Magnetic Lanthanide Complexes: Two Sides of the Same Coin. <i>Chemistry - A European Journal</i> , 2019 , 25, 14625-14637	4.8	17
83	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, 6095-9	5.1	17
82	Computational Modelling of the Magnetic Properties of Lanthanide Compounds 2015 , 153-184		17
81	Self-assembly of square-lattice copper sheets displaying intra-ferromagnetism. <i>Inorganica Chimica Acta</i> , 2011 , 370, 98-101	2.7	17
80	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	3.5	17
79	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-soluble 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	3.6	16
78	Nonanuclear lanthanide(III) nanoclusters: Structure, luminescence and magnetic properties. <i>Polyhedron</i> , 2013 , 53, 187-192	2.7	16

- 77 A family of mixed-valent tridecanuclear clusters, and their magnetostructural correlation. *Polyhedron*, **2007**, 26, 2129-2134 2.7 16
- 76 55Mn nuclear spin relaxation in the truly axial single-molecule magnet Mn₁₂-t-butylacetate thermally-activated down to 400mK. *Polyhedron*, **2007**, 26, 2320-2324 2.7 16
- 75 Electronic Structure and Magnetic Properties of Lanthanide Molecular Complexes **2015**, 1-26 15
- 74 Mononuclear, Dinuclear, and Trinuclear Iron Complexes Featuring a New Monoanionic SNS Thiolate Ligand. *Inorganic Chemistry*, **2016**, 55, 987-97 5.1 15
- 73 Elucidating the elusive crystal structure of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine. *CrystEngComm*, **2015**, 17, 2190-2195 3.3 15
- 72 Ambivalent binding between a radical-based pincer ligand and iron. *Dalton Transactions*, **2015**, 44, 10516-10523 4.23 14
- 71 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. *European Journal of Inorganic Chemistry*, **2015**, 2015, 441-446 2.3 14
- 70 Probing Magnetic-Exchange Coupling in Supramolecular Squares Based on Reducible Tetrazine-Derived Ligands. *Chemistry - A European Journal*, **2018**, 24, 4259-4263 4.8 14
- 69 Turning on single-molecule magnet behavior in a linear {Mn₃} compound. *Inorganic Chemistry*, **2013**, 52, 1296-303 5.1 14
- 68 Linking Centered Manganese Triangles into Larger Clusters: A {Mn₃₂} Truncated Cube. *Angewandte Chemie*, **2005**, 117, 6698-6701 3.6 14
- 67 Stark Sublevel-Based Thermometry with Tb(III) and Dy(III) Complexes Cosensitized via the 2-Amidinopyridine Ligand. *Inorganic Chemistry*, **2020**, 59, 11061-11070 5.1 14
- 66 Isolation of a hexanuclear chromium cluster with a tetrahedral hydridic core and its catalytic behavior for ethylene oligomerization. *Inorganic Chemistry*, **2014**, 53, 6073-81 5.1 13
- 65 Unprecedented Octanuclear Dy(III) Cluster Exhibiting Single-Molecule Magnet Behavior. *Crystal Growth and Design*, **2017**, 17, 5044-5048 3.5 13
- 64 New derivatives of an enneanuclear Mn SMM. *Polyhedron*, **2007**, 26, 1845-1848 2.7 13
- 63 Field-sweep-rate dependence of the coercive field of single-molecule magnets: A classical approach with applications to the quantum regime. *Physical Review B*, **2005**, 72, 3.3 13
- 62 From discrete molecule, to polymer, to MOF: mapping the coordination chemistry of Cd(II) using (113)Cd solid-state NMR. *Chemical Communications*, **2016**, 52, 10680-3 5.8 13
- 61 Lanthanide-Based Molecular Cluster-Aggregates: Optical Barcoding and White-Light Emission with Nanosized {Ln} Compounds. *Angewandte Chemie - International Edition*, **2021**, 60, 6130-6136 16.4 13
- 60 A tunable lanthanide cubane platform incorporating air-stable radical ligands for enhanced magnetic communication. *Communications Chemistry*, **2018**, 1, 6.3 13

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58	Intercalation of Coordinatively Unsaturated Fe(III) Ion within Interpenetrated Metal-Organic Framework MOF-5. <i>Chemistry - A European Journal</i> , 2016 , 22, 7711-5	4.8	12
57	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, 5375-83	5.1	12
56	Multifunktionale Einzelmolekülmagnete auf Lanthanoidbasis in neuem Licht. <i>Angewandte Chemie</i> , 2021 , 133, 1752-1772	3.6	12
55	Probing Optical Anisotropy and Polymorph-Dependent Photoluminescence in [Ln] Complexes by Hyperspectral Imaging on Single Crystals. <i>Chemistry - A European Journal</i> , 2018 , 24, 10146	4.8	10
54	Not Just Lewis Acids: Preface for the Forum on New Trends and Applications for Lanthanides. <i>Inorganic Chemistry</i> , 2016 , 55, 9951-9953	5.1	10
53	Enchaining EDTA-chelated lanthanide molecular magnets into ordered 1D networks. <i>RSC Advances</i> , 2016 , 6, 72510-72518	3.7	10
52	Harnessing the Synergy between Upconverting Nanoparticles and Lanthanide Complexes in a Multiwavelength-Responsive Hybrid System. <i>ACS Photonics</i> , 2019 , 6, 436-445	6.3	10
51	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	5.8	9
50	[Ln] complexes (Ln = Gd, Dy): molecular analogues of natural minerals such as hydrocalcite. <i>Dalton Transactions</i> , 2018 , 47, 12847-12851	4.3	9
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48	Radical-Bridged Ln Metallocene Complexes with Strong Magnetic Coupling and a Large Coercive Field. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24206-24213	16.4	8
47	Lanthanide Complexes as Realizations of Qubits and Qugates for Quantum Computing 2015 , 185-222		7
46	Bis(phthalocyaninato) Lanthanide(III) Complexes From Molecular Magnetism to Spintronic Devices 2015 , 223-292		7
45	Actinide Single-Molecule Magnets 2015 , 315-340		7
44	Study of a novel hepta-coordinated FeIII bimetallic complex with an unusual 1,2,4,5-tetrazine-ring opening. <i>Polyhedron</i> , 2016 , 108, 163-168	2.7	7
43	Dense nitrogen-rich energetic materials: a study of 5,5'-bis(1H-tetrazolyl)amine [corrected]. <i>Journal of Chemical Physics</i> , 2014 , 140, 184701	3.9	7
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