# Muralee Murugesu

List of Publications by Year
in descending order



| 177 | 12,091 | 28274 | 29157 |
|---|---|---|---|
| papers | citations | 55 h-index | 104 g-index |

| 197 | 197 | 197 | 6090 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Single-Molecule Magnet Behavior for an Antiferromagnetically Superexchange-Coupled Dinuclear Dysprosium(III) Complex. Journal of the American Chemical Society, 2011, 133, 5319-5328. | 13.7 | 541 |
| 2 | Dinuclear Dysprosium(III) Singleâ€Molecule Magnets with a Large Anisotropic Barrier. Angewandte Chemie - International Edition, 2008, 47, 8848-8851. | 13.8 | 502 |
| 3 | The rise of 3-d single-ion magnets in molecular magnetism: towards materials from molecules?. Chemical Science, 2016, 7, 2470-2491. | 7.4 | 502 |
| 4 | Single-Molecule Magnets:â€‰ A Mn25 Complex with a Record S = 51/2 Spin for a Molecular Species. Journal of the American Chemical Society, 2004, 126, 4766-4767. | 13.7 | 428 |
| 5 | Lessons learned from dinuclear lanthanide nano-magnets. Chemical Society Reviews, 2013, 42, 3278. | 38.1 | 426 |
| 6 | Fineâ€tuning the Local Symmetry to Attain Record Blocking Temperature and Magnetic Remanence in a Singleâ€Ion Magnet. Angewandte Chemie - International Edition, 2014, 53, 4413-4417. | 13.8 | 370 |
| 7 | The Use of Magnetic Dilution To Elucidate the Slow Magnetic Relaxation Effects of a Dy<sub>2</sub> Single-Molecule Magnet. Journal of the American Chemical Society, 2011, 133, 8830-8833. | 13.7 | 334 |
| 8 | Single-Molecule Magnet Behavior with a Single Metal Center Enhanced through Peripheral Ligand Modifications. Journal of the American Chemical Society, 2011, 133, 15814-15817. | 13.7 | 319 |
| 9 | Coupling Strategies to Enhance Single-Molecule Magnet Properties of Erbiumâ€“Cyclooctatetraenyl Complexes. Journal of the American Chemical Society, 2014, 136, 8003-8010. | 13.7 | 278 |
| 10 | Significant Enhancement of Energy Barriers in Dinuclear Dysprosium Single-Molecule Magnets Through Electron-Withdrawing Effects. Journal of the American Chemical Society, 2013, 135, 13242-13245. | 13.7 | 265 |
| 11 | An Organometallic Sandwich Lanthanide Single-Ion Magnet with an Unusual Multiple Relaxation Mechanism. Journal of the American Chemical Society, 2011, 133, 19286-19289. | 13.7 | 257 |
| 12 | Synthesis, Electronic Structure, and Magnetism of [Ni(6-Mes)<sub>2</sub>]<sup>+</sup>: A Two-Coordinate Nickel(I) Complex Stabilized by Bulky N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2013, 135, 13640-13643. | 13.7 | 242 |
| 13 | Importance of Out-of-State Spinâ€“Orbit Coupling for Slow Magnetic Relaxation in Mononuclear Fe<sup>II</sup> Complexes. Journal of the American Chemical Society, 2011, 133, 15806-15809. | 13.7 | 202 |
| 14 | Iron Complex-Catalyzed Ammoniaâ€“Borane Dehydrogenation. A Potential Route toward Bâ€“N-Containing Polymer Motifs Using Earth-Abundant Metal Catalysts. Journal of the American Chemical Society, 2012, 134, 5598-5609. | 13.7 | 195 |
| 15 | Mixed 3d/4d and 3d/4f metal clusters: Tetranuclear and complexes, and the first Fe/4f single-molecule magnets. Polyhedron, 2006, 25, 613-625. | 2.2 | 192 |
| 16 | Influence of the Ligand Field on Slow Magnetization Relaxation versus Spin Crossover in Mononuclear Cobalt Complexes. Angewandte Chemie - International Edition, 2013, 52, 11290-11293. | 13.8 | 192 |
| 17 | An Organometallic Building Block Approach To Produce a Multidecker 4f Single-Molecule Magnet. Journal of the American Chemical Society, 2013, 135, 3502-3510. | 13.7 | 189 |
| 18 | Pursuit of Record Breaking Energy Barriers: A Study of Magnetic Axiality in Diamide Ligated Dy<sup>III</sup> Single-Molecule Magnets. Journal of the American Chemical Society, 2017, 139, 1420-1423. | 13.7 | 186 |

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| 19 | Shining New Light on Multifunctional Lanthanide Singleâ€Molecule Magnets. Angewandte Chemie - International Edition, 2021, 60, 1728-1746. | 13.8 | 183 |
| 20 | A Family of Manganese Rods:Â Syntheses, Structures, and Magnetic Properties. Journal of the American Chemical Society, 2004, 126, 15445-15457. | 13.7 | 170 |
| 21 | Supramolecular architectures for controlling slow magnetic relaxation in field-induced single-molecule magnets. Chemical Science, 2012, 3, 2158. | 7.4 | 155 |
| 22 | An unsymmetrical coordination environment leading to two slow relaxation modes in a Dy2 single-molecule magnet. Chemical Communications, 2011, 47, 10993. | 4.1 | 154 |
| 23 | New Structural Motifs in Manganese Single-Molecule Magnetism from the Use of Triethanolamine Ligands. Angewandte Chemie - International Edition, 2005, 44, 892-896. | 13.8 | 148 |
| 24 | Planar Tetranuclear Dy(III) Single-Molecule Magnet and Its Sm(III), Gd(III), and Tb(III) Analogues Encapsulated by Salen-Type and Î²-Diketonate Ligands. Inorganic Chemistry, 2011, 50, 7059-7065. | 4.0 | 143 |
| 25 | Synthesis, Structure, and Magnetic Properties of a [Mn22] Wheel-like Single-Molecule Magnet. Inorganic Chemistry, 2004, 43, 4203-4209. | 4.0 | 142 |
| 26 | A sandwich complex with axial symmetry for harnessing the anisotropy in a prolate erbium(<scp>iii</scp>) ion. Chemical Communications, 2014, 50, 1602-1604. | 4.1 | 134 |
| 27 | An Organolanthanide Building Block Approach to Single-Molecule Magnets. Accounts of Chemical Research, 2016, 49, 1158-1167. | 15.6 | 129 |
| 28 | A Dinuclear Cobalt Complex Featuring Unprecedented Anodic and Cathodic Redox Switches for Single-Molecule Magnet Activity. Journal of the American Chemical Society, 2013, 135, 14670-14678. | 13.7 | 121 |
| 29 | 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. | 11.3 | 113 |
| 30 | New Routes to Polymetallic Clusters: Fluoride-Based Tri-, Deca-, and Hexaicosametallic MnIII Clusters and their Magnetic Properties. Chemistry - A European Journal, 2004, 10, 5180-5194. | 3.3 | 110 |
| 31 | Salen-Based [Zn<sub>2</sub>Ln<sub>3</sub>] Complexes with Fluorescence and Single-Molecule-Magnet Properties. Inorganic Chemistry, 2009, 48, 8051-8053. | 4.0 | 110 |
| 32 | Recent developments in the field of energetic ionic liquids. Journal of Materials Chemistry A, 2014, 2, 8153-8173. | 10.3 | 110 |
| 33 | Exposing the intermolecular nature of the second relaxation pathway in a mononuclear cobalt(<scp>ii</scp>) single-molecule magnet with positive anisotropy. Dalton Transactions, 2015, 44, 6368-6373. | 3.3 | 108 |
| 34 | Linking Centered Manganese Triangles into Larger Clusters: A {Mn32} Truncated Cube. Angewandte Chemie - International Edition, 2005, 44, 6540-6543. | 13.8 | 107 |
| 35 | Magnetic Axiality: Design Principles from Molecules to Materials. Trends in Chemistry, 2019, 1, 425-439. | 8.5 | 88 |
| 36 | Structure and Magnetic Properties of a Giant Cu44IIAggregate Which Packs with a Zeotypic Superstructure. Inorganic Chemistry, 2004, 43, 7269-7271. | 4.0 | 87 |

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| 37 | Exploring the dual functionality of an ytterbium complex for luminescence thermometry and slow magnetic relaxation. Chemical Science, 2019, 10, 6799-6808. | 7.4 | 83 |
| 38 | Hierarchical Assembly of {Fe13} Oxygen-Bridged Clusters into a Close-Packed Superstructure. Angewandte Chemie - International Edition, 2005, 44, 6678-6682. | 13.8 | 80 |
| 39 | Slow Magnetic Relaxation in Uranium(III) and Neodymium(III) Cyclooctatetraenyl Complexes. Organometallics, 2015, 34, 1415-1418. | 2.3 | 76 |
| 40 | Ytterbium can relax slowly too: a field-induced Yb2 single-molecule magnet. Dalton Transactions, 2012, 41, 12349. | 3.3 | 73 |
| 41 | Lanthanide Complexes of Tritopic Bis(hydrazone) Ligands: Single-Molecule Magnet Behavior in a Linear Dy<sup>III</sup><sub>3</sub> Complex. Inorganic Chemistry, 2012, 51, 1028-1034. | 4.0 | 69 |
| 42 | Structural Rearrangement Through Lanthanide Contraction in Dinuclear Complexes. Inorganic Chemistry, 2014, 53, 2102-2112. | 4.0 | 69 |
| 43 | Two-Dimensional Networks of Lanthanide Cubane-Shaped Dumbbells. Inorganic Chemistry, 2009, 48, 11748-11754. | 4.0 | 67 |
| 44 | Stepwise crystallographic visualization of dynamic guest binding in a nanoporous framework. Chemical Science, 2017, 8, 3171-3177. | 7.4 | 66 |
| 45 | A Rare Î¼<sub>4</sub>â€O Centred Dy<sub>4</sub> Tetrahedron with Coordinationâ€Induced Local Chirality and Singleâ€Molecule Magnet Behaviour. European Journal of Inorganic Chemistry, 2011, 2011, 1535-1539. | 2.0 | 65 |
| 46 | Single-molecule magnetism arising from cobalt(<scp>ii</scp>) nodes of a crystalline sponge. Journal of Materials Chemistry C, 2017, 5, 835-841. | 5.5 | 64 |
| 47 | Ferromagnetic interactions mediated by synâ€“anti carboxylate bridging in tetranuclear copper(II) compounds. Inorganica Chimica Acta, 2002, 337, 328-336. | 2.4 | 63 |
| 48 | Observation of unusual slow-relaxation of the magnetisation in a Gd-EDTA chelate. Dalton Transactions, 2015, 44, 20321-20325. | 3.3 | 62 |
| 49 | Adhering magnetic molecules to surfaces. Journal of Materials Chemistry C, 2015, 3, 11986-11998. | 5.5 | 59 |
| 50 | Structural and magnetic conformation of a cerocene [Ce(COTâ€²â€²)<sub>2</sub>]<sup>â^'</sup> exhibiting a uniconfigurational f<sup>1</sup> ground state and slow-magnetic relaxation. Dalton Transactions, 2014, 43, 2737-2740. | 3.3 | 57 |
| 51 | Large Mn<sub>25</sub> Single-Molecule Magnet with Spin S = <sup>51</sup><sub>2</sub>: Magnetic and High-Frequency Electron Paramagnetic Resonance Spectroscopic Characterization of a Giant Spin State. Inorganic Chemistry, 2008, 47, 9459-9470. | 4.0 | 56 |
| 52 | Cycloheptatrienyl trianion: an elusive bridge in the search of exchange coupled dinuclear organolanthanide single-molecule magnets. Chemical Science, 2017, 8, 231-240. | 7.4 | 56 |
| 53 | Preparation and properties of new Fe6 and Fe8 clusters of iron(iii) with tripodal ligands. Dalton Transactions, 2003, , 4552. | 3.3 | 55 |
| 54 | New hexanuclear and dodecanuclear Fe(III) clusters with carboxylate and alkoxide-based ligands from cluster aggregation reactions. Polyhedron, 2004, 23, 2779-2788. | 2.2 | 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. Chemistry of Materials, 2020, 32, 7458-7468. | 6.7 | 54 |
| 56 | Supramolecular Assembly of Molecular Rare-Earthâ€“3,5-Dichlorobenzoic Acidâ€“2,2â€²:6â€²,2â€³-Terpyridine Materials: Structural Systematics, Luminescence Properties, and Magnetic Behavior. Inorganic Chemistry, 2016, 55, 6902-6915. | 4.0 | 53 |
| 57 | High-Spin Mn Wheels. Inorganic Chemistry, 2007, 46, 6968-6979. | 4.0 | 52 |
| 58 | Tetraanionic Biphenyl Lanthanide Complexes as Single-Molecule Magnets. Inorganic Chemistry, 2015, 54, 2374-2382. | 4.0 | 49 |
| 59 | Anion-induced Ag<sup>I</sup>self-assemblies with electron deficient aromatic ligands: anionâ€“Ï€-system interactions as a driving force for templated coordination networks. Chemical Communications, 2015, 51, 9547-9550. | 4.1 | 48 |
| 60 | Lanthanideâ€Based Molecular Clusterâ€Aggregates: Optical Barcoding and Whiteâ€Light Emission with Nanosized {Ln<sub>20</sub>} Compounds. Angewandte Chemie - International Edition, 2021, 60, 6130-6136. | 13.8 | 48 |
| 61 | Unprecedented Trinuclear Ag<sup>I</sup> Complex with 2,4,6â€Tris(2â€pyrimidyl)â€1,3,5â€triazine as an Efficient Catalyst for the Aziridination of Olefins. Chemistry - A European Journal, 2015, 21, 6144-6149. | 3.3 | 47 |
| 62 | Slow Magnetic Relaxation Observed in Dysprosium Compounds Containing Unsupported Near-Linear Hydroxo- and Fluoro-Bridges. Inorganic Chemistry, 2015, 54, 6195-6202. | 4.0 | 47 |
| 63 | Single-molecule magnet behaviour in a tetranuclear Dy<sup>III</sup> complex formed from a novel tetrazine-centered hydrazone Schiff base ligand. Dalton Transactions, 2017, 46, 2471-2478. | 3.3 | 47 |
| 64 | Radicalâ€Bridged Ln<sub>4</sub> Metallocene Complexes with Strong Magnetic Coupling and a Large Coercive Field. Angewandte Chemie - International Edition, 2021, 60, 24206-24213. | 13.8 | 45 |
| 65 | Preparation and Characterization of a Reduced Chromium Complex via Vinyl Oxidative Coupling: Formation of a Self-Activating Catalyst for Selective Ethylene Trimerization. Journal of the American Chemical Society, 2011, 133, 6380-6387. | 13.7 | 43 |
| 66 | Strategies for producing cluster-based magnetic arrays. Polyhedron, 2001, 20, 1687-1697. | 2.2 | 42 |
| 67 | Terminal solvent effects on the anisotropy barriers of Dy<sub>2</sub> systems. Dalton Transactions, 2016, 45, 16709-16715. | 3.3 | 41 |
| 68 | 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. | 5.1 | 41 |
| 69 | Strong ferromagnetic exchange coupling in a {NiII4} cluster mediated through an air-stable tetrazine-based radical anion. Chemical Communications, 2017, 53, 8660-8663. | 4.1 | 40 |
| 70 | The orientation is in the details. Nature Chemistry, 2012, 4, 347-348. | 13.6 | 39 |
| 71 | Gradual spin crossover behaviour in a linear trinuclear FeII complex. CrystEngComm, 2011, 13, 5190. | 2.6 | 37 |
| 72 | Synthesis, Structure, and Spectroscopic and Magnetic Characterization of [Mn<sub>12</sub>O<sub>12</sub>(O<sub>2</sub>CCH<sub>2</sub>Bu<sup>t</sup>)<sub>16</sub>(MeOH)<sub>4</sub>]Â·MeC a Mn<sub>12</sub> Single-Molecule Magnet with True Axial Symmetry. Inorganic Chemistry, 2013, 52, 258-272. | 4.0 | 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. | 3.3 | 35 |
| 74 | A comparison between high-symmetry Mn12 single-molecule magnets in different ligand/solvent environments. Polyhedron, 2005, 24, 2284-2292. | 2.2 | 34 |
| 75 | Novel Co-based metalâ€“organic frameworks and their magnetic properties using asymmetrically binding 4-(4â€²-carboxyphenyl)-1,2,4-triazole. Dalton Transactions, 2013, 42, 7795. | 3.3 | 34 |
| 76 | Modern trends in â€œGreenâ€•primary energetic materials. New Journal of Chemistry, 2021, 45, 10150-10159. | 2.8 | 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. | 7.1 | 33 |
| 78 | Stable water-soluble iron oxide nanoparticles using Tiron. Materials Chemistry and Physics, 2013, 138, 29-37. | 4.0 | 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. | 2.6 | 32 |
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| 81 | New Mn12 single-molecule magnets from edge-sharing bioctahedra. Dalton Transactions, 2006, , 2285. | 3.3 | 31 |
| 82 | High-Temperature Spin Crossover Behavior in a Nitrogen-Rich Fe<sup>III</sup>-Based System. Inorganic Chemistry, 2013, 52, 1825-1831. | 4.0 | 30 |
| 83 | One pot synthesis and systematic study of the photophysical and magnetic properties and thermal sensing of Î± and Î²-phase NaLnF<sub>4</sub> and Î²-phase core@shell nanoparticles. New Journal of Chemistry, 2018, 42, 13393-13405. | 2.8 | 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. | 4.0 | 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. | 13.7 | 29 |
| 86 | Fluorescent dialdehyde ligand for the encapsulation of dinuclear luminescent lanthanide complexes. Dalton Transactions, 2010, 39, 5698. | 3.3 | 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. | 2.3 | 28 |
| 88 | Room-Temperature Upconversion in a Nanosized {Ln<sub>15</sub>} Molecular Cluster-Aggregate. ACS Nano, 2021, 15, 5580-5585. | 14.6 | 28 |
| 89 | A spectroscopic comparison between several high-symmetry S=10 Mn12 single-molecule magnets. Journal of Applied Physics, 2005, 97, 10M510. | 2.5 | 27 |
| 90 | Single-molecule magnets: synthesis, structures and magnetic properties of Mn11 and Mn25 clusters. Polyhedron, 2005, 24, 2894-2899. | 2.2 | 26 |

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| 91 | A novel high-spin tridecanuclear Ni<sup>II</sup>cluster with an azido-bridged core exhibiting disk-like topology. Chemical Communications, 2012, 48, 1287-1289. | 4.1 | 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<sub>3</sub>)<sub>2</sub>. CrystEngComm, 2014, 16, 3466-3469. | 2.6 | 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. Chemical Communications, 2020, 56, 5937-5940. | 4.1 | 26 |
| 94 | Isolation and Characterization of a Class II Mixed-Valence Chromium(I)/(II) Self-Activating Ethylene Trimerization Catalyst. Organometallics, 2012, 31, 486-494. | 2.3 | 25 |
| 95 | Hybrid Nanomaterials: Anchoring Magnetic Molecules on Naked Gold Nanocrystals. Inorganic Chemistry, 2013, 52, 14411-14418. | 4.0 | 25 |
| 96 | Hybrid Material Constructed from Hg(NCS)<sub>2</sub> and 2,4,6â€Tris(2â€pyrimidyl)â€1,3,5â€triazine (TPymT): Coordination of TPymT in a 2,2â€²â€Bipyridineâ€Like Mode. European Journal of Inorganic Chemistry, 2015, 2015, 441-446. | 2.0 | 25 |
| 97 | [U(bipy)<sub>4</sub>]: A Mistaken Case of U<sup>0</sup>?. Chemistry - A European Journal, 2016, 22, 1931-1936. | 3.3 | 25 |
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| 99 | Polycopper(II) aggregates as building blocks for supramolecular magnetic structures. Journal of Physics and Chemistry of Solids, 2004, 65, 667-676. | 4.0 | 24 |
| 100 | Impact of the coordination environment on the magnetic properties of single-molecule magnets based on homo- and hetero-dinuclear terbium(<scp>iii</scp>) heteroleptic tris(crownphthalocyaninate). Dalton Transactions, 2016, 45, 9320-9327. | 3.3 | 24 |
| 101 | A propeller-shaped Î¼<sub>4</sub>-carbonate hexanuclear dysprosium complex with a high energetic barrier to magnetisation relaxation. Dalton Transactions, 2016, 45, 16769-16773. | 3.3 | 24 |
| 102 | Confinement effects of a crystalline sponge on ferrocene and ferrocene carboxaldehyde. Chemical Communications, 2017, 53, 5645-5648. | 4.1 | 24 |
| 103 | A family of ferrocene-rich Mn7, Mn8 and Mn13 clusters. Polyhedron, 2007, 26, 2276-2280. | 2.2 | 23 |
| 104 | Novel in situ manganese-promoted double-aldol addition. Inorganica Chimica Acta, 2012, 380, 378-385. | 2.4 | 23 |
| 105 | Interaction of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT) with CoX<sub>2</sub>(X = Cl, Br) in water: trapping of new self-assembled waterâ€“chloride/bromide clusters in a [Co(bpca)<sub>2</sub>]<sup>+</sup>host (bpca = bis(2-pyrimidylcarbonyl)amidate anion). New Journal of Chemistry, 2015, 39, 7147-7152. | 2.8 | 23 |
| 106 | Mononuclear, Dinuclear, and Trinuclear Iron Complexes Featuring a New Monoanionic SNS Thiolate Ligand. Inorganic Chemistry, 2016, 55, 987-997. | 4.0 | 23 |
| 107 | Controlling the Energyâ€Transfer Processes in a Nanosized Molecular Upconverter to Tap into Luminescence Thermometry Application. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 22 |
| 108 | Anisotropy barrier reduction in fast-relaxingMn12single-molecule magnets. Physical Review B, 2009, 80, . | 3.2 | 21 |

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| 110 | Inside-Out/Outside-In Tunability in Nanosized Lanthanide-Based Molecular Cluster-Aggregates: Modulating the Luminescence Thermometry Performance via Composition Control. ACS Applied Materials & Interfaces, 2021, 13, 47052-47060. | 8.0 | 21 |
| 111 | Hidden Transformations of a Crystalline Sponge: Elucidating the Stability of a Highly Porous Three-Dimensional Metalâ€“Organic Framework. Crystal Growth and Design, 2016, 16, 4043-4050. | 3.0 | 20 |
| 112 | A tunable lanthanide cubane platform incorporating air-stable radical ligands for enhanced magnetic communication. Communications Chemistry, 2018, 1, . | 4.5 | 20 |
| 113 | Paramagnetic Nanocrystals: Remarkable Lanthanide-Doped Nanoparticles with Varied Shape, Size, and Composition. Journal of Physical Chemistry Letters, 2012, 3, 3721-3733. | 4.6 | 19 |
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| 115 | Effect of the Mn Oxidation State on Single-Molecule-Magnet Properties: Mn<sup>III</sup> vs Mn<sup>IV</sup> in Biologically Inspired DyMn<sub>3</sub>O<sub>4</sub> Cubanes. Inorganic Chemistry, 2016, 55, 6095-6099. | 4.0 | 19 |
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| 118 | Unprecedented intramolecular pancake bonding in a {Dy<sub>2</sub>} single-molecule magnet. Inorganic Chemistry Frontiers, 2020, 7, 2592-2601. | 6.0 | 18 |
| 119 | Multifunktionale EinzelmolekÃ¼lmagnete auf Lanthanoidbasis in neuem Licht. Angewandte Chemie, 2021, 133, 1752-1772. | 2.0 | 18 |
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| 124 | NIR-to-NIR emission on a water-soluble {Er6} and {Er3Yb3} nanosized molecular wheel. Nanoscale, 2020, 12, 11435-11439. | 5.6 | 16 |
| 125 | Enhancing Magnetic Communication between Metal Centres: Theâ€‰Role of sâ€Tetrazine Based Radicals as Ligands. Chemistry - A European Journal, 2021, 27, 5091-5106. | 3.3 | 16 |
| 126 | Turning on Single-Molecule Magnet Behavior in a Linear {Mn3} Compound. Inorganic Chemistry, 2013, 52, 1296-1303. | 4.0 | 15 |

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| 127 | Isolation of a Hexanuclear Chromium Cluster with a Tetrahedral Hydridic Core and Its Catalytic Behavior for Ethylene Oligomerization. Inorganic Chemistry, 2014, 53, 6073-6081. | 4.0 | 15 |
| 128 | Inducing magnetic communication in caged dinuclear Co(<scp>ii</scp>) systems. Dalton Transactions, 2015, 44, 8649-8659. | 3.3 | 15 |
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| 130 | Intercalation of Coordinatively Unsaturated Fe<sup>III</sup> Ion within Interpenetrated Metalâ€“Organic Framework MOFâ€5. Chemistry - A European Journal, 2016, 22, 7711-7715. | 3.3 | 15 |
| 131 | Stable Actinide Ï€ Complexes of a Neutral 1,4â€Diborabenzene. Angewandte Chemie - International Edition, 2020, 59, 13109-13115. | 13.8 | 15 |
| 132 | Probing optical and magnetic properties via subtle stereoelectronic effects in mononuclear Dy<sup>III</sup>-complexes. Chemical Communications, 2021, 57, 7818-7821. | 4.1 | 15 |
| 133 | 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, . | 3.2 | 14 |
| 134 | New derivatives of an enneanuclear Mn SMM. Polyhedron, 2007, 26, 1845-1848. | 2.2 | 14 |
| 135 | Harnessing the Synergy between Upconverting Nanoparticles and Lanthanide Complexes in a Multiwavelength-Responsive Hybrid System. ACS Photonics, 2019, 6, 436-445. | 6.6 | 14 |
| 136 | A zero-field single-molecule magnet with luminescence thermometry capabilities containing soft donors. Journal of Materials Chemistry C, 2022, 10, 13946-13953. | 5.5 | 14 |
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