

Muralee Murugesu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

184
papers

10,146
citations

51
h-index

96
g-index

197
ext. papers

11,150
ext. citations

7
avg, IF

6.57
L-index

#	Paper	IF	Citations
184	Luminescence thermometry using sprayed films of metal complexes. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1767-1775	7.1	0
183	Extreme -Tensor Anisotropy and Its Insensitivity to Structural Distortions in a Family of Linear Two-Coordinate Ni(II) Bis-N-heterocyclic Carbene Complexes.. <i>Inorganic Chemistry</i> , 2022 , 61, 1308-1315	5.1	1
182	Late Lanthanide Macrocyclic Tetra-NHC Complexes.. <i>Inorganic Chemistry</i> , 2022 , 61, 1611-1619	5.1	2
181	Room-Temperature Upconversion in a Nanosized {Ln} Molecular Cluster-Aggregate. <i>ACS Nano</i> , 2021 , 15, 5580-5585	16.7	5
180	Enhancing Magnetic Communication between Metal Centres: The Role of s-Tetrazine Based Radicals as Ligands. <i>Chemistry - A European Journal</i> , 2021 , 27, 5091-5106	4.8	5
179	Lanthanide-Based Molecular Cluster-Aggregates: Optical Barcoding and White-Light Emission with Nanosized {Ln} Compounds. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6130-6136	16.4	13
178	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	9.5	4
177	Lanthanide-Based Molecular Cluster-Aggregates: Optical Barcoding and White-Light Emission with Nanosized {Ln ₂₀ } Compounds. <i>Angewandte Chemie</i> , 2021 , 133, 6195-6201	3.6	0
176	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	4.8	2
175	Multifunktionale Einzelmolekülmagnete auf Lanthanoidbasis in neuem Licht. <i>Angewandte Chemie</i> , 2021 , 133, 1752-1772	3.6	12
174	Shining New Light on Multifunctional Lanthanide Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1728-1746	16.4	80
173	Dual magnetic field and temperature optical probes of controlled crystalline phases in lanthanide-doped multi-shell nanoparticles. <i>Nanoscale</i> , 2021 , 13, 14723-14733	7.7	3
172	Probing optical and magnetic properties subtle stereoelectronic effects in mononuclear Dy-complexes. <i>Chemical Communications</i> , 2021 , 57, 7818-7821	5.8	0
171	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
170	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	9.5	3
169	Titelbild: Radical-Bridged Ln ₄ Metallocene Complexes with Strong Magnetic Coupling and a Large Coercive Field (Angew. Chem. 45/2021). <i>Angewandte Chemie</i> , 2021 , 133, 24117	3.6	
168	Actinide arene-metalates: ion pairing effects on the electronic structure of unsupported uranium-arene sandwich complexes. <i>Chemical Science</i> , 2021 , 12, 13360-13372	9.4	2

167	A chelate like no other: exploring the synthesis, coordination chemistry and applications of imidoyl amidine frameworks. <i>Materials Advances</i> , 2020 , 1, 2688-2706	3.3	1
166	NIR-to-NIR emission on a water-soluble {Er} and {ErYb} nanosized molecular wheel. <i>Nanoscale</i> , 2020 , 12, 11435-11439	7.7	5
165	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
164	Incorporation of a nitrogen-rich energetic ligand in a {Yb} complex exhibiting slow relaxation of the magnetisation under an applied field. <i>Dalton Transactions</i> , 2020 , 49, 10344-10348	4.3	4
163	Stark Sublevel-Based Thermometry with Tb(III) and Dy(III) Complexes Cosensitized via the 2-Amidinopyridine Ligand. <i>Inorganic Chemistry</i> , 2020 , 59, 11061-11070	5.1	14
162	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	9.6	29
161	Higher performing and less sensitive CN7Ebased high-energy-density material. <i>Science China Materials</i> , 2020 , 63, 1779-1787	7.1	5
160	A Barrel-Shaped Metal-Organic Blue-Box Analogue with Photo-/Redox-Switchable Behavior. <i>Chemistry - A European Journal</i> , 2020 , 26, 16455-16462	4.8	4
159	Relaxation dynamics in see-saw shaped Dy(III) single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 4805-4812	6.8	4
158	Stable Actinide π Complexes of a Neutral 1,4-Diborabenzene. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13109-13115	16.4	7
157	Unprecedented intramolecular pancake bonding in a {Dy ₂ } single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2592-2601	6.8	5
156	Design Strategy for the Controlled Generation of Cationic Frameworks and Ensuing Anion-Exchange Capabilities. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3181-3188	9.5	6
155	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
154	Rational Design of Tetranuclear Complexes Employing N-Imidoylamidine Based Ligands. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 963-972	2.3	2
153	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
152	Magnetic Axiality: Design Principles from Molecules to Materials. <i>Trends in Chemistry</i> , 2019 , 1, 425-439	14.8	57
151	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
150	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

149	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
148	Reversible Redox, Spin Crossover, and Superexchange Coupling in 3d Transition-Metal Complexes of Bis-azanyl Analogues of 2,2':6',2''-Terpyridine. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 1212-1223	2.3	5
147	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	4.3	4
146	Probing Magnetic-Exchange Coupling in Supramolecular Squares Based on Reducible Tetrazine-Derived Ligands. <i>Chemistry - A European Journal</i> , 2018 , 24, 4259-4263	4.8	14
145	2,3,5,6-Tetra(1H-tetrazol-5-yl)pyrazine: A Thermally Stable Nitrogen-Rich Energetic Material. <i>ACS Applied Energy Materials</i> , 2018 , 1, 589-593	6.1	23
144	One pot synthesis and systematic study of the photophysical and magnetic properties and thermal sensing of Ln^{III} and Ln^{II} phase NaLnF_4 and Ln^{III} core@shell nanoparticles. <i>New Journal of Chemistry</i> , 2018 , 42, 13393-13405	3.6	20
143	[Ln] complexes (Ln = Gd, Dy): molecular analogues of natural minerals such as hydroxalcite. <i>Dalton Transactions</i> , 2018 , 47, 12847-12851	4.3	9
142	Ferromagnetically coupled dinuclear M complexes based on a borotriazine ligand framework. <i>Dalton Transactions</i> , 2018 , 47, 14875-14879	4.3	2
141	A tunable lanthanide cubane platform incorporating air-stable radical ligands for enhanced magnetic communication. <i>Communications Chemistry</i> , 2018 , 1,	6.3	13
140	Synthesis and Investigation of 2,3,5,6-Tetra-(1H-tetrazol-5-yl)pyrazine Based Energetic Materials. <i>ChemPlusChem</i> , 2018 , 83, 984-990	2.8	4
139	Tetrazine-Based Ligand Transformation Driving Metal-Metal Bond and Mixed-Valence Hg/Hg. <i>ACS Omega</i> , 2018 , 3, 10273-10277	3.9	1
138	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
137	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
136	Stepwise crystallographic visualization of dynamic guest binding in a nanoporous framework. <i>Chemical Science</i> , 2017 , 8, 3171-3177	9.4	49
135	Confinement effects of a crystalline sponge on ferrocene and ferrocene carboxaldehyde. <i>Chemical Communications</i> , 2017 , 53, 5645-5648	5.8	21
134	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
133	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	1.3	6
132	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

131	Unprecedented Octanuclear DyIII Cluster Exhibiting Single-Molecule Magnet Behavior. <i>Crystal Growth and Design</i> , 2017 , 17, 5044-5048	3.5	13
130	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
129	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
128	Terminal solvent effects on the anisotropy barriers of Dy systems. <i>Dalton Transactions</i> , 2016 , 45, 16709-16715	16.7	31
127	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
126	Effect of the Mn Oxidation State on Single-Molecule-Magnet Properties: Mn(III) vs Mn(IV) in Biologically Inspired DyMn3O4 Cubanes. <i>Inorganic Chemistry</i> , 2016 , 55, 6095-9	5.1	17
125	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
124	Probing the structural and magnetic properties of a new family of centrosymmetric dinuclear lanthanide complexes. <i>RSC Advances</i> , 2016 , 6, 56668-56673	3.7	8
123	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
122	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
121	Mononuclear, Dinuclear, and Trinuclear Iron Complexes Featuring a New Monoanionic SNS Thiolate Ligand. <i>Inorganic Chemistry</i> , 2016 , 55, 987-97	5.1	15
120	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
119	Connecting mononuclear dysprosium single-molecule magnets to form dinuclear complexes via in situ ligand oxidation. <i>Chemical Communications</i> , 2016 , 52, 677-80	5.8	25
118	[U(bipy)]: A Mistaken Case of U ?. <i>Chemistry - A European Journal</i> , 2016 , 22, 1931-1936	4.8	18
117	Hidden Transformations of a Crystalline Sponge: Elucidating the Stability of a Highly Porous Three-Dimensional MetalOrganic Framework. <i>Crystal Growth and Design</i> , 2016 , 16, 4043-4050	3.5	17
116	An Organolanthanide Building Block Approach to Single-Molecule Magnets. <i>Accounts of Chemical Research</i> , 2016 , 49, 1158-67	24.3	105
115	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
114	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

113	A propeller-shaped β -carbonate hexanuclear dysprosium complex with a high energetic barrier to magnetisation relaxation. <i>Dalton Transactions</i> , 2016 , 45, 16769-16773	4.3	20
112	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, 10680-3	5.8	13
111	Enchaining EDTA-chelated lanthanide molecular magnets into ordered 1D networks. <i>RSC Advances</i> , 2016 , 6, 72510-72518	3.7	10
110	Tetraanionic biphenyl lanthanide complexes as single-molecule magnets. <i>Inorganic Chemistry</i> , 2015 , 54, 2374-82	5.1	41
109	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
108	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
107	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
106	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
105	Inducing magnetic communication in caged dinuclear Co(II) systems. <i>Dalton Transactions</i> , 2015 , 44, 8649-59	4.9	12
104	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
103	Ambivalent binding between a radical-based pincer ligand and iron. <i>Dalton Transactions</i> , 2015 , 44, 10516-23	4.3	14
102	Electronic Structure and Magnetic Properties of Lanthanide Molecular Complexes 2015 , 1-26		15
101	Mononuclear Lanthanide Complexes: Use of the Crystal Field Theory to Design Single-Ion Magnets and Spin Qubits 2015 , 27-60		4
100	Polynuclear Lanthanide Single Molecule Magnets 2015 , 61-88		6
99	Lanthanides in Extended Molecular Networks 2015 , 89-124		4
98	Experimental Aspects of Lanthanide Single-Molecule Magnet Physics 2015 , 125-152		3
97	Lanthanide Complexes as Realizations of Qubits and Qugates for Quantum Computing 2015 , 185-222		7
96	Bis(phthalocyaninato) Lanthanide(III) Complexes From Molecular Magnetism to Spintronic Devices 2015 , 223-292		7

95	Lanthanides and the Magnetocaloric Effect 2015 , 293-314		1
94	Actinide Single-Molecule Magnets 2015 , 315-340		7
93	Slow Magnetic Relaxation in Uranium(III) and Neodymium(III) Cyclooctatetraenyl Complexes. <i>Organometallics</i> , 2015 , 34, 1415-1418	3.8	62
92	Adhering magnetic molecules to surfaces. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11986-11998	7.1	42
91	The renaissance of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine (TPymT) coordination chemistry. <i>Dalton Transactions</i> , 2015 , 44, 20287-94	4.3	23
90	Observation of unusual slow-relaxation of the magnetisation in a Gd-EDTA chelate. <i>Dalton Transactions</i> , 2015 , 44, 20321-5	4.3	50
89	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	2.3	14
88	Elucidating the elusive crystal structure of 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine. <i>CrystEngComm</i> , 2015 , 17, 2190-2195	3.3	15
87	Computational Modelling of the Magnetic Properties of Lanthanide Compounds 2015 , 153-184		17
86	Recent developments in the field of energetic ionic liquids. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8153-8173	13	86
85	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
84	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
83	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
82	Isolation of a hexanuclear chromium cluster with a tetrahedral hydridic core and its catalytic behavior for ethylene oligomerization. <i>Inorganic Chemistry</i> , 2014 , 53, 6073-81	5.1	13
81	Structural rearrangement through lanthanide contraction in dinuclear complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 2102-12	5.1	59
80	Structural Tuning of Energetic Material Bis(1H-tetrazol-5-yl)amine Monohydrate under Pressures Probed by Vibrational Spectroscopy and X-ray Diffraction. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 26504-26512	3.8	4
79	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
78	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

77	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
76	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
75	Chromium-chromium interaction in a binuclear mixed-valent Cr(I)-Cr(II) complex. <i>Inorganic Chemistry</i> , 2014 , 53, 11492-7	5.1	3
74	High pressure study of a highly energetic nitrogen-rich carbon nitride, cyanuric triazide. <i>Journal of Chemical Physics</i> , 2014 , 141, 234506	3.9	5
73	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
72	Stable water-soluble iron oxide nanoparticles using Tiron. <i>Materials Chemistry and Physics</i> , 2013 , 138, 29-37	4.4	26
71	Hybrid nanomaterials: anchoring magnetic molecules on naked gold nanocrystals. <i>Inorganic Chemistry</i> , 2013 , 52, 14411-8	5.1	21
70	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
69	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
68	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
67	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
66	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
65	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
64	Turning on single-molecule magnet behavior in a linear {Mn ₃ } compound. <i>Inorganic Chemistry</i> , 2013 , 52, 1296-303	5.1	14
63	Lessons learned from dinuclear lanthanide nano-magnets. <i>Chemical Society Reviews</i> , 2013 , 42, 3278-88	58.5	382
62	Nonanuclear lanthanide(III) nanoclusters: Structure, luminescence and magnetic properties. <i>Polyhedron</i> , 2013 , 53, 187-192	2.7	16
61	High-temperature spin crossover behavior in a nitrogen-rich Fe(III)-based system. <i>Inorganic Chemistry</i> , 2013 , 52, 1825-31	5.1	26
60	Novel Co-based metal-organic frameworks and their magnetic properties using asymmetrically binding 4-(4'-carboxyphenyl)-1,2,4-triazole. <i>Dalton Transactions</i> , 2013 , 42, 7795-802	4.3	31

59	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. <i>CrystEngComm</i> , 2013 , 15, 10419	3.3	24
58	A novel high-spin tridecanuclear Ni(II) cluster with an azido-bridged core exhibiting disk-like topology. <i>Chemical Communications</i> , 2012 , 48, 1287-9	5.8	26
57	Ytterbium can relax slowly too: a field-induced Yb ₂ single-molecule magnet. <i>Dalton Transactions</i> , 2012 , 41, 12349-52	4.3	68
56	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
55	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
54	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
53	Isolation and Characterization of a Class II Mixed-Valence Chromium(I)/(II) Self-Activating Ethylene Trimerization Catalyst. <i>Organometallics</i> , 2012 , 31, 486-494	3.8	22
52	Supramolecular architectures for controlling slow magnetic relaxation in field-induced single-molecule magnets. <i>Chemical Science</i> , 2012 , 3, 2158	9.4	140
51	Novel in situ manganese-promoted double-aldol addition. <i>Inorganica Chimica Acta</i> , 2012 , 380, 378-385	2.7	23
50	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
49	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
48	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
47	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
46	Planar tetranuclear Dy(III) single-molecule magnet and its Sm(III), Gd(III), and Tb(III) analogues encapsulated by salen-type and Ediketonate ligands. <i>Inorganic Chemistry</i> , 2011 , 50, 7059-65	5.1	137
45	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
44	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
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34	Two-dimensional networks of lanthanide cubane-shaped dumbbells. <i>Inorganic Chemistry</i> , 2009 , 48, 11748-54	3.54	62
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21	Single-molecule magnets: synthesis, structures and magnetic properties of Mn ₁₁ and Mn ₂₅ clusters. <i>Polyhedron</i> , 2005 , 24, 2894-2899	2.7	25
20	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
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18	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
17	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
16	Linking Centered Manganese Triangles into Larger Clusters: A {Mn ₃₂ } Truncated Cube. <i>Angewandte Chemie</i> , 2005 , 117, 6698-6701	3.6	14
15	A spectroscopic comparison between several high-symmetry S=10 Mn ₁₂ single-molecule magnets. <i>Journal of Applied Physics</i> , 2005 , 97, 10M510	2.5	24
14	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,	3.3	13
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12	Polycopper(II) aggregates as building blocks for supramolecular magnetic structures. <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 667-676	3.9	22
11	New routes to polymetallic clusters: fluoride-based tri-, deca-, and hexaicosametallic MnIII clusters and their magnetic properties. <i>Chemistry - A European Journal</i> , 2004 , 10, 5180-94	4.8	109
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9	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
8	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
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6	The isotropic and anisotropic interactions of the alternating ferromagnetic quasi-one-dimensional magnet [Cu ₄ (ndpa) ₂ (H ₂ O) ₆ Cl ₂] _n ·4H ₂ O. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 4477-4486	1.8	

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3	Strategies for producing cluster-based magnetic arrays. <i>Polyhedron</i> , 2001 , 20, 1687-1697	2.7	38
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