Olivier Cador

List of Publications by Citations

192 papers	5,623 citations	43 h-index	64 g-index
203 ext. papers	6,223 ext. citations	5.5 avg, IF	5.66 L-index

#	Paper	IF	Citations
192	Uncommon lanthanide ions in purely 4f Single Molecule Magnets. *Coordination Chemistry Reviews*, **2017**, 346, 150-175	23.2	201
191	Magnetic memory in an isotopically enriched and magnetically isolated mononuclear dysprosium complex. *Angewandte Chemie - International Edition*, **2015**, 54, 1504-7	16.4	167
190	A redox-active luminescent ytterbium based single molecule magnet. *Chemical Communications*, **2013**, 49, 615-7	5.8	162
189	Light Induced Excited Pair Spin State in an Iron(II) Binuclear Spin-Crossover Compound. *Journal of the American Chemical Society*, **1999**, 121, 10630-10631	16.4	150
188	Magnetic poles determinations and robustness of memory effect upon solubilization in a Dy(III)-based single ion magnet. *Journal of the American Chemical Society*, **2013**, 135, 16332-5	16.4	124
187	Soft and Hard Molecule-Based Magnets of Formula [(Etrad)2M2{Cu(opba)}3]?S [Etrad+=Radical Cation, MII=MnII or CoII, opba=Ortho-phenylenebis(oxamato), S=Solvent Molecules], with a Fully Interlocked Structure. *Chemistry - A European Journal*, **1999**, 5, 1486-1495	4.8	122
186	Lanthanide ion and tetrathiafulvalene-based ligand as a "magic" couple toward luminescence, single molecule magnets, and magnetostructural correlations. *Accounts of Chemical Research*, **2015**, 48, 2834-42	24.3	118
185	The magnetic mÖbius strip: synthesis, structure, and magnetic studies of odd-numbered antiferromagnetically coupled wheels. *Angewandte Chemie - International Edition*, **2004**, 43, 5196-200	16.4	112
184	In situ generation of carboxylate: an efficient strategy for a one-pot synthesis of homo- and heterometallic polynuclear complexes. *Journal of the American Chemical Society*, **2005**, 127, 12246-53	16.4	110
183	Synthetic and magnetic studies of a dodecanuclear cobalt wheel. *Chemical Communications*, **2002**, 1860-1	5.8	96
182	A single molecule magnet behaviour in a D3h symmetry Dy(III) complex involving a quinone-tetrathiafulvalene-quinone bridge. *Chemical Communications*, **2012**, 48, 714-6	5.8	92
181	Single-molecule magnet behaviour in a tetrathiafulvalene-based electroactive antiferromagnetically coupled dinuclear dysprosium(III) complex. *Chemistry - A European Journal*, **2011**, 17, 10397-404	4.8	89
180	Functional silica nanoparticles synthesized by water-in-oil microemulsion processes. *Journal of Colloid and Interface Science*, **2010**, 341, 201-8	9.3	88
179	Delicate crystal structure changes govern the magnetic properties of 1D coordination polymers based on 3d metal carboxylates. *Chemistry - A European Journal*, **2008**, 14, 2034-43	4.8	83
178	Slow magnetic relaxation in condensed versus dispersed dysprosium(III) mononuclear complexes. *Chemistry - A European Journal*, **2013**, 19, 7895-903	4.8	81
177	Co(II)-Co(II) paddlewheel complex with a redox-active ligand derived from TTF. *Inorganic Chemistry*, **2006**, 45, 10440-2	5.1	80
176	Luminescence and single-molecule magnet behavior in lanthanide complexes involving a tetrathiafulvalene-fused dipyridophenazine ligand. *Inorganic Chemistry*, **2015**, 54, 5384-97	5.1	79

175	Tetrathiafulvalene-amido-2-pyridine-N-oxide as efficient charge-transfer antenna ligand for the sensitization of Yb(III) luminescence in a series of lanthanide paramagnetic coordination complexes. *Chemistry - A European Journal*, **2010**, 16, 11926-41	4.8	75
174	First trinuclear paramagnetic transition metal complexes with redox active ligands derived from TTF: Co2M(PhCOO)6(TTF-CH=CH-py)2.2CH3CN, M = CoII, MnII. *Chemical Communications*, **2007**, 280-2	5.8	66
173	Redox-active organometallics: magnetic and electronic couplings through carbon-silicon hybrid molecular connectors. *Journal of the American Chemical Society*, **2008**, 130, 17372-83	16.4	65
172	A series of tetrathiafulvalene-based lanthanide complexes displaying either single molecule magnet or luminescence-direct magnetic and photo-physical correlations in the ytterbium analogue. *Inorganic Chemistry*, **2013**, 52, 5978-90	5.1	63
171	3,5-Bis(ethynyl)pyridine and 2,6-bis(ethynyl)pyridine spanning two Fe(Cp*)(dppe) units: role of the nitrogen atom on the electronic and magnetic couplings. *Inorganic Chemistry*, **2011**, 50, 12601-22	5.1	62
170	Temperature-induced solid-state valence tautomeric interconversion in two cobalt-Schiff base diquinone complexes. *Inorganic Chemistry*, **2003**, 42, 6432-40	5.1	58
169	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. *Angewandte Chemie - International Edition*, **2016** , 55, 8062-6	16.4	55
168	Magnetic Slow Relaxation in a Metal-Organic Framework Made of Chains of Ferromagnetically Coupled Single-Molecule Magnets. *Chemistry - A European Journal*, **2018**, 24, 6983-6991	4.8	54
167	Axial Ligand Field in D Coordination Symmetry: Magnetic Relaxation of Dy SMMs Perturbed by Counteranions. *Inorganic Chemistry*, **2017**, 56, 11211-11219	5.1	53
166	Synthesis of a BEDT-TTF Bipyridine Organic Donor and the First FeII Coordination Complex with a Redox-Active Ligand. *European Journal of Inorganic Chemistry*, **2006**, 2006, 3498-3502	2.3	53
165	Elucidating the Magnetic Anisotropy and Relaxation Dynamics of Low-Coordinate Lanthanide Compounds. *Inorganic Chemistry*, **2016**, 55, 1905-11	5.1	49
164	Experimental and theoretical evidence that electrostatics governs easy-axis orientation in Dy(III)-based molecular chains. *Chemical Communications*, **2014**, 50, 13346-8	5.8	49
163	Paramagnetic transition metal complexes with a redox-active ligand: M(hfac)2(EDO-EDT-TTF-py)n; [M = CuII, n = 1, 2; M = MnII, n = 2]. *New Journal of Chemistry*, **2005**, 29, 1135	3.6	49
162	Magnetic and photo-physical investigations into DyIII and YbIII complexes involving tetrathiafulvalene ligand. *Inorganic Chemistry Frontiers*, **2015**, 2, 1105-1117	6.8	48
161	4-(2-Tetrathiafulvalenyl-ethenyl)pyridine (TTF-CH=CH-Py) radical cation salts containing poly(beta-diketonate) rare earth complexes: synthesis, crystal structure, photoluminescent and magnetic properties. *Inorganic Chemistry*, **2009**, 48, 7421-9	5.1	48
160	Tuning the Magnetic Interactions in Dy(III) Single-Molecule Magnets. *Inorganic Chemistry*, **2018**, 57, 8550-8557	5.1	48
159	Unraveling the crystal structure of lanthanide-murexide complexes: use of an ancient complexometry indicator as a near-infrared-emitting single-ion magnet. *Chemistry - A European Journal*, **2014**, 20, 1569-76	4.8	47
158	Ferromagnetism in an extended three-dimensional, diamond-like copper(II) network: a new copper(II)/1-hydroxybenzotriazolato complex exhibiting soft-magnet properties and two transitions at 6.4 and 4.4 K. *Inorganic Chemistry*, **2000**, 39, 2522-9	5.1	47

157	Slow magnetic relaxation in radical cation tetrathiafulvalene-based lanthanide(III) dinuclear complexes. *Chemical Communications*, **2013**, 49, 11632-4	5.8	46
156	Alkylation Effects in Lanthanide Complexes Involving Tetrathiafulvalene Chromophores: Experimental and Theoretical Correlation between Magnetism and Near-Infrared Emission. *European Journal of Inorganic Chemistry*, **2014**, 2014, 69-82	2.3	46
155	In solution sensitization of Er(III) luminescence by the 4-tetrathiafulvalene-2,6-pyridinedicarboxylic acid dimethyl antenna ligand. *Inorganic Chemistry*, **2012**, 51, 978-84	5.1	46
154	Electronic and Magnetic Couplings in Free and □Coordinated 1,4-Diethynylnaphthalene-Bridged [Cp*(dppe)Fe]n+ (n = 0, 1) Units. *Organometallics*, **2009**, 28, 4656-4669	3.8	46
153	Topological dependence of the magnetic exchange coupling in arylethynyl-bridged organometallic diradicals containing [(eta(2)-dppe)(eta(5)-C(5)Me(5))Fe(III)](+) fragments. *Inorganic Chemistry*, **2009**, 48, 10608-24	5.1	44
152	Topology Control of Porous Coordination Polymers by Building Block Symmetry. *European Journal of Inorganic Chemistry*, **2010**, 2010, 5055-5057	2.3	44
151	Small Bioactivated Magnetic Quantum Dot Micelles. *Chemistry of Materials*, **2008**, 20, 6657-6665	9.6	44
150	Synthesis, structure, and magnetism of heterometallic carboxylate complexes [MnIII2M(II)4O2(PhCOO)10(DMF)4], M = Mn(II), Co(II), Ni(II). *Inorganic Chemistry*, **2005**, 44, 5903-10	5.1	43
149	3d4f heterobimetallic dinuclear and tetranuclear complexes involving tetrathiafulvalene as ligands: X-ray structures and magnetic and photophysical investigations. *Inorganic Chemistry*, **2012**, 51, 8488-501	5.1	42
148	Spin frustration effects in an odd-member antiferromagnetic ring and the magnetic M□bius strip. *Journal of Magnetism and Magnetic Materials*, **2005**, 290-291, 55-60	2.8	42
147	Hexatriynediyl Chain Spanning Two Cp*(dppe)M Termini (M = Fe, Ru): Evidence for the Dependence of Electronic and Magnetic Couplings on the Relative Orientation of the Termini. *Organometallics*, **2014**, 33, 2613-2627	3.8	41
146	Paramagnetic 3d coordination complexes involving redox-active tetrathiafulvalene derivatives: an efficient approach to elaborate multi-properties materials. *Dalton Transactions*, **2013**, 42, 1949-60	4.3	41
145	Lanthanide dinuclear complexes involving tetrathiafulvalene-3-pyridine-N-oxide ligand: semiconductor radical salt, magnetic, and photophysical studies. *Inorganic Chemistry*, **2013**, 52, 1398-408	5.1	41
144	Iodine Substituted Tetrathiafulvalene Radical Cation Salts with [M(isoq)2(NCS)4]- Anions where M = CrIII, GaIII: Role of I□□S and S□□S Contacts on Structural and Magnetic Properties. *Chemistry of Materials*, **2006**, 18, 790-797	9.6	41
143	Magnetic Memory in an Isotopically Enriched and Magnetically Isolated Mononuclear Dysprosium Complex. *Angewandte Chemie*, **2015**, 127, 1524-1527	3.6	40
142	High nuclearity complexes of lanthanide involving tetrathiafulvalene ligands: structural, magnetic, and photophysical properties. *Inorganic Chemistry*, **2013**, 52, 1610-20	5.1	39
141	First paramagnetic 4d transition-metal complex with a redox-active tetrathiafulvalene derivative, [Ru(salen)(PPh3)(TTF-CH=CH-Py)]BF4 [salen(2-) = N,N□ethan-1,2-diylbis(salicylidenamine), PPh3 = triphenylphosphine, TTF-CH=CH-Py = 4-(2-tetrathiafulvalenylethenyl)pyridine]. *Inorganic Chemistry*, **2008**, 47, 9730-2	5.1	39
140	Ferromagnetic versus antiferromagnetic exchange interactions in tetrathiafulvalene-based 3d/4f heterobimetallic complexes. *Chemistry - A European Journal*, **2011**, 17, 12502-11	4.8	38

139	A new approach towards ferromagnetic conducting materials based on TTF-containing polynuclear complexes. *Journal of Materials Chemistry*, **2010**, 20, 9505		38
138	Influence of ferromagnetic connection of Ising-type Dy(III)-based single ion magnets on their magnetic slow relaxation. *Dalton Transactions*, **2013**, 42, 6728-31	4.3	37
137	Binuclear gadolinium(III) coordination complex based on bridging tetrathiafulvalenecarboxylate radical cations. *Chemical Communications*, **2009**, 3777-9	5.8	37
136	New Metal Oxamates as Precursors of Low-Dimensional Heterobimetallics. *Inorganic Chemistry*, **1996**, 35, 4932-4937	5.1	36
135	Dc and ac magnetic properties of the two-dimensionalmolecular-based ferrimagnetic materialsA2M2[Cu(opba)]3nsolv[A+=cation, MII=MnII or CoII,opba=ortho-phenylenebis(oxamato) and solv=solventmolecule]. *Journal of Materials Chemistry*, **1997**, 7, 1263-1270		36
134	Lanthanide(III) Hexanuclear Circular Helicates: Slow Magnetic Relaxation, Toroidal Arrangement of Magnetic Moments, and Magnetocaloric Effects. *Inorganic Chemistry*, **2019**, 58, 11903-11911	5.1	35
133	Synthesis, structure, sorption and magnetic properties of Ni(II) and Cu(II) complexes with thiosemicarbazone of 2-hydroxybenzaldehyde, bridged by 4,4?-bipyridine. *Inorganica Chimica Acta*, **2007**, 360, 1883-1889	2.7	35
132	Pure TTF Chains in Ed Material made of Paramagnetic Transition Metal Complex Containing TTF as Ligand, [CuII(hfac)2(TTF-py)2](BF4)2.2CH2Cl2 (hfac=hexafluoroacetylacetonate and TTF-py=4-(2-tetrathiafulvalenyl-ethenyl)pyridine). *Synthetic Metals*, **2005**, 153, 461-464	3.6	35
131	Electro-activity and magnetic switching in lanthanide-based single-molecule magnets. *Inorganic Chemistry Frontiers*, **2019**, 6, 3398-3417	6.8	35
130	Experimental and theoretical studies on photophysical properties: tuning redox-active amido-tetrathiafulvalene derivatives in paramagnetic coordination complexes. *Inorganic Chemistry*, **2010**, 49, 1947-60	5.1	34
129	2D porous honeycomb polymers versus discrete nanocubes from trigonal trinuclear complexes and ligands with variable topology. *Chemistry - A European Journal*, **2012**, 18, 5006-12	4.8	33
128	Magnetic Studies of Redox-Active Tetrathiafulvalene-Based Complexes: Dysprosium vs. Ytterbium Analogues. *European Journal of Inorganic Chemistry*, **2014**, 2014, 3888-3894	2.3	32
127	Magnetic properties of a novel molecule-based ferrimagnet exhibiting multiple magnetic pole reversal. *Journal of Magnetism and Magnetic Materials*, **2001**, 234, 6-12	2.8	32
126	Magnetic Memory from Site Isolated Dy(III) on Silica Materials. *ACS Central Science*, **2017**, 3, 244-249	16.8	30
125	Multiple single-molecule magnet behaviors in dysprosium dinuclear complexes involving a multiple functionalized tetrathiafulvalene-based ligand. *Inorganic Chemistry*, **2015**, 54, 4021-8	5.1	30
124	4f Gadolinium(III) complex involving tetrathiafulvalene-amido-2-pyrimidine-1-oxide as a ligand. *Inorganic Chemistry*, **2009**, 48, 4631-3	5.1	29
123	A Dy Cubane: A New Member in the Single-Molecule Toroics Family. *Angewandte Chemie - International Edition*, **2018**, 57, 17089-17093	16.4	29
122	Manipulating the Relaxation of Quasi- D Dysprosium Compounds through Alternation of the O-Donor Ligands. *Inorganic Chemistry*, **2018**, 57, 4534-4542	5.1	28

121	Doubly phenoxide-bridged binuclear copper(II) complexes with ono tridentate schiff base ligand: Synthesis, structural, magnetic and theoretical studies. *Polyhedron*, **2015**, 86, 81-88	2.7	27
120	Coordination polymers based on trinuclear heterometallic pivalates and polypyridines: Synthesis, structure, sorption and magnetic properties. *Inorganica Chimica Acta*, **2012**, 380, 201-210	2.7	26
119	Hyperfine coupling and slow magnetic relaxation in isotopically enriched DyIII mononuclear single-molecule magnets. *Inorganic Chemistry Frontiers*, **2019**, 6, 1081-1086	6.8	25
118	The Mackay-Type Cluster [Cu Al](Cp*) : Open-Shell 67-Electron Superatom with Emerging Metal-Like Electronic Structure. *Angewandte Chemie - International Edition*, **2018**, 57, 14630-14634	16.4	25
117	Structural Flexibility and Sorption Properties of 2D Porous Coordination Polymers Constructed from Trinuclear Heterometallic Pivalates and 4,4?-Bipyridine. *European Journal of Inorganic Chemistry*, **2011**, 2011, 4985-4992	2.3	25
116	Coordination complexes with the redox active tetrathiafulvalene based imino-pyrazine ligand: syntheses, a radical cation salt, crystal structures and electrochemistry. *Dalton Transactions*, **2009**, 3495-502	4.3	25
115	New copper(II)-centered complexes with organometallic donor–acceptor substituted unsymmetrical Schiff base ligands. *New Journal of Chemistry*, **2011**, 35, 2027	3.6	24
114	Single-crystal polarized optical absorption spectroscopy of the one-dimensional ferrimagnet MnIICuII(pba)(H2O)3.2H2O (pba = 1,3-propylenebis(oxamato)). *Inorganic Chemistry*, **2000**, 39, 3799-804	5.1	24
113	Polarized Neutron Diffraction to Probe Local Magnetic Anisotropy of a Low-Spin Fe(III) Complex. *Angewandte Chemie - International Edition*, **2016**, 55, 3963-7	16.4	23
112	Dramatic remote substituent effects on the electronic spin state of bis(scorpionate) iron(II) complexes. *Angewandte Chemie - International Edition*, **2008**, 47, 8687-91	16.4	23
111	Analysis of the Magnetic Exchange Interactions in Yttrium(III) Complexes Containing Nitronyl Nitroxide Radicals. *Inorganic Chemistry*, **2017**, 56, 6788-6801	5.1	22
110	Optimization of Magnetic Relaxation and Isotopic Enrichment in Dimeric DyIII Single-Molecule Magnets. *European Journal of Inorganic Chemistry*, **2018**, 2018, 326-332	2.3	22
109	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. *Angewandte Chemie*, **2016**, 128, 8194-8198	3.6	22
108	Tetrathiafulvalene-Based Helicene Ligand in the Design of a Dysprosium Field-Induced Single-Molecule Magnet. *Inorganic Chemistry*, **2019**, 58, 52-56	5.1	22
107	Divalent Thulium Triflate: A Structural and Spectroscopic Study. *Angewandte Chemie - International Edition*, **2017**, 56, 4266-4271	16.4	21
106	Influence of the supramolecular architecture on the magnetic properties of a Dy(III) single-molecule magnet: an ab initio investigation. *Beilstein Journal of Nanotechnology*, **2014**, 5, 2267-74	3	21
105	Lanthanide-Based Dinuclear Complexes Involving an o-Quinone–Tetrathiafulvalene–o-Quinone Bridging Ligand: X-ray Structures, Magnetic and Photophysical Properties. *European Journal of Inorganic Chemistry*, **2012**, 2012, 4708-4718	2.3	21
104	Porous 2D coordination polymeric formate built up by Mn(II) linking of Fe3O units: influence of guest molecules on magnetic properties. *Dalton Transactions*, **2009**, 3503-9	4.3	21

103	Molecular Magnetism: A Multidisciplinary Field of Research. *Molecular Crystals and Liquid Crystals*, **1997**, 305, 1-16		21
102	Isotopic effects may induce cooperativity in valence tautomeric transition. *Chemical Communications*, **2004**, 652-3	5.8	21
101	Divalent Thulium Crown Ether Complexes with Field-Induced Slow Magnetic Relaxation. *Inorganic Chemistry*, **2019**, 58, 2872-2880	5.1	20
100	Axially and Helically Chiral Cationic Radical Bicarbazoles: SOMO-HOMO Level Inversion and Chirality Impact on the Stability of Mono- and Diradical Cations. *Journal of the American Chemical Society*, **2020**,	16.4	20
99	Photophysical and Magnetic Properties in Complexes Containing 3d/4f Elements and Chiral Phenanthroline-Based Helicate-Like Ligands. *European Journal of Inorganic Chemistry*, **2017**, 2017, 2100-2111	2.3	19
98	Unprecedented sensitization of visible and near-infrared lanthanide luminescence by using a tetrathiafulvalene-based chromophore. *Chemistry - an Asian Journal*, **2014**, 9, 2814-25	4.5	19
97	Synthesis, structure and magnetic properties of porous magnetic composite, based on MCM-41 molecular sieve with Fe3O4 nanoparticles. *Journal of Solid State Chemistry*, **2006**, 179, 2426-2432	3.3	19
96	Lanthanide complexes involving multichelating TTF-based ligands. *Inorganic Chemistry Frontiers*, **2017**, 4, 604-617	6.8	18
95	Structural diversity and photo-physical and magnetic properties of dimeric to 1D polymeric coordination polymers of lighter lanthanide(iii) dinitrobenzoates. *Dalton Transactions*, **2018**, 47, 4722-4732	4.3	18
94	Electron-sponge behavior and electronic structures in cobalt-centered pentagonal prismatic Co11Te7(CO)10 and Co11Te5(CO)15 cluster anions. *Inorganic Chemistry*, **2007**, 46, 501-9	5.1	18
93	Molecule-based magnets with a fully interlocked three-dimensional structure. *Synthetic Metals*, **2001**, 122, 559-567	3.6	18
92	Helicenic Complexes of Lanthanides: Influence of the f-Element on the Intersystem Crossing Efficiency and Competition between Luminescence and Oxygen Sensitization. *European Journal of Inorganic Chemistry*, **2019**, 2019, 118-125	2.3	18
91	Tetranuclear dysprosium single-molecule magnets: tunable magnetic interactions and magnetization dynamics through modifying coordination number. *Dalton Transactions*, **2019**, 48, 2135-2141	4.3	17
90	Solvent-Induced Change of Electronic Spectra and Magnetic Susceptibility of Co(II) Coordination Polymer with 2,4,6-Tris(4-pyridyl)-1,3,5-triazine. *Inorganic Chemistry*, **2015**, 54, 5232-8	5.1	17
89	Slow Magnetic Relaxation in Unprecedented Mono-Dimensional Coordination Polymer of Ytterbium Involving Tetrathiafulvalene-Dicarboxylate Linker. *Magnetochemistry*, **2016**, 2, 26	3.1	17
88	Crystal lattice effect on the quenching of the intracluster magnetic interaction in [V12B18O60H6](10-) polyoxometalate. *Dalton Transactions*, **2014**, 43, 14132-41	4.3	16
87	X-ray Structures, Spectroscopic and Magnetic Studies of a Coordination Polymer Series Based on a TTF Derivative and Paramagnetic Transition Metals. *European Journal of Inorganic Chemistry*, **2009**, 2009, 3282-3290	2.3	16
86	Assembly of Dinuclear CuII Rigid Blocks by Bridging Azido or Poly(thiocyanato)chromates: Synthesis, Structures and Magnetic Properties of Coordination Polymers and Polynuclear Complexes. *European Journal of Inorganic Chemistry*, **2010**, 2010, 1255-1266	2.3	16

85	Redox- and solvato-magnetic switching in a tetrathiafulvalene-based triad single-molecule magnet. *Inorganic Chemistry Frontiers*, **2020**, 7, 2322-2334	6.8	15
84	Binuclear Cu(ii) coordination complex involving Cis-tetrathiafulvalene-bis-amido-2-pyridine-N-oxide as bi-anionic ligand: a robust molecular precursor toward magnetic conducting materials. *Chemical Communications*, **2010**, 46, 4947-9	5.8	15
83	Magnetic properties and circular dichroism of 1D chains built from chiral mononuclear and non-chiral trinuclear Cu(II) complexes with □aminocarboxylates. *Inorganica Chimica Acta*, **2010**, 363, 3453-3460	2.7	15
82	Bromine-bridged Dy single-molecule magnet: magnetic anisotropy driven by cis/trans stereoisomers. *Chemical Communications*, **2019**, 55, 14661-14664	5.8	15
81	Ab Initio Study of Circular Dichroism and Circularly Polarized Luminescence of Spin-Allowed and Spin-Forbidden Transitions: From Organic Ketones to Lanthanide Complexes. *Journal of Chemical Theory and Computation*, **2019**, 15, 4140-4155	6.4	14
80	Strong Magnetic Coupling and Single-Molecule-Magnet Behavior in Lanthanide-TEMPO Radical Chains. *Inorganic Chemistry*, **2018**, 57, 11044-11057	5.1	14
79	Triphenylamine Derivatives with Para-Disposed Pendant Electron-Rich Organoiron Alkynyl Substituents: Defining the Magnetic Interactions in a Trinuclear Iron(III) Trication. *Organometallics*, **2012**, 31, 1635-1642	3.8	14
78	Characterization of a six-coordinate ferrous high-spin heme with both intramolecular axial carboxylic acid and pyridine. *Journal of the American Chemical Society*, **2010**, 132, 10652-3	16.4	14
77	Structure, Spectral and Magnetic Properties of 3-(p-Pyridyl)-1,5-diphenylverdazyl (p-PyV) and the Binuclear Copper(II) Radical Complex [Cu2(OCOCH3)4(p-PyV)2]. *European Journal of Inorganic Chemistry*, **2009**, 2009, 2354-2361	2.3	14
76	Electron-Sponge Behavior, Reactivity and Electronic Structures of Cobalt-Centered Cubic Co9Te6(CO)8 Clusters. *European Journal of Inorganic Chemistry*, **2008**, 2008, 1959-1968	2.3	14
75	High temperature quantum tunnelling of magnetization and thousand kelvin anisotropy barrier in a Dy single-molecule magnet. *Chemical Communications*, **2021**, 57, 371-374	5.8	14
74	Slow Magnetic Relaxation in Chiral Helicene-Based Coordination Complex of Dysprosium. *Magnetochemistry*, **2017**, 3, 2	3.1	13
73	Optical Absorption Spectroscopy of the Tetranuclear Compound [Mn{Cu(oxpn)}(3)](ClO(4))(2).2H(2)O (oxpn = N,N'-Bis(3-aminopropyl)oxamide): Complementarity with Magnetic Properties. *Inorganic Chemistry*, **1997**, 36, 1923-1928	5.1	13
72	Luminescence, chiroptical, magnetic and ab initio crystal-field characterizations of an enantiopure helicoidal Yb(III) complex. *Inorganic Chemistry Frontiers*, **2021**, 8, 914-926	6.8	13
71	Highly soluble Fe(III)-triethanolamine complex relevant for redox flow batteries. *Electrochimica Acta*, **2019**, 301, 472-477	6.7	12
70	Solid-State Near-Infrared Circularly Polarized Luminescence from Chiral Yb -Single-Molecule Magnet. *Chemistry - A European Journal*, **2021**, 27, 7362-7366	4.8	12
69	Helicene-Based Ligands Enable Strong Magneto-Chiral Dichroism in a Chiral Ytterbium Complex. *Journal of the American Chemical Society*, **2021**, 143, 2671-2675	16.4	12
68	First Non-Centrosymmetric Deca-Vanadoborate with Borate Vacancies, Self-Assembled around a 1,3-Propanediammonium Cation. *Crystal Growth and Design*, **2015**, 15, 2561-2564	3.5	11

67	Luminescence and Single-Molecule-Magnet Behaviour in Lanthanide Coordination Complexes Involving Benzothiazole-Based Tetrathiafulvalene Ligands. *European Journal of Inorganic Chemistry*, **2018**, 2018, 458-468	2.3	11
66	Antiferromagnetic ordering in cobalt(II) and nickel(II) 1D coordination polymers with the dithioamide of 1,3-benzenedicarboxylic acid. *New Journal of Chemistry*, **2011**, 35, 2179	3.6	11
65	Decorated Tetrathiafulvalene-Based Ligands: Powerful Chemical Tools for the Design of Single-Molecule Magnets. *European Journal of Inorganic Chemistry*, **2020**, 2020, 148-164	2.3	11
64	Efficient preparation of multimetallic ONO-based Schiff base complexes of nickel(II) and copper(II). *New Journal of Chemistry*, **2016**, 40, 5920-5929	3.6	11
63	Luminescence-Driven Electronic Structure Determination in a Textbook Dimeric Dy -Based Single-Molecule Magnet. *Chemistry - A European Journal*, **2020**, 26, 4389-4395	4.8	10
62	Inelastic neutron scattering studies on the odd-membered antiferromagnetic wheel Cr8Ni. *Physical Review B*, **2012**, 86,	3.3	10
61	Structure and magnetic properties of Ln2[Cu(opba)]3(DMSO)6(H2O) □(H2O) compounds with LnLa□u exhibiting ladder-like molecular motifs. *Inorganica Chimica Acta*, **2005**, 358, 3246-3252	2.7	10
60	Slow Relaxation of the Magnetization in Bis-Decorated Chiral Helicene-Based Coordination Complexes of Lanthanides. *Magnetochemistry*, **2018**, 4, 39	3.1	10
59	Slow Magnetic Relaxation in Dinuclear CoY Complexes. *Inorganic Chemistry*, **2019**, 58, 10725-10735	5.1	9
58	Slow Magnetic Relaxation in a Redox-Active Tetrathiafulvalene-Based Ferromagnetic Dysprosium Complex. *European Journal of Inorganic Chemistry*, **2014**, 2014, 4558-4563	2.3	9
57	Bis-Cyclooctatetraenyl Thulium(II): Highly Reducing Lanthanide Sandwich Single-Molecule Magnets. *Angewandte Chemie - International Edition*, **2021**, 60, 6042-6046	16.4	9
56	Fine Control of the Metal Environment within Dysprosium-Based Mononuclear Single-Molecule Magnets. *European Journal of Inorganic Chemistry*, **2018**, 2018, 333-339	2.3	9
55	Redox-Modulations of Photophysical and Single-molecule Magnet Properties in Ytterbium Complexes Involving Extended-TTF Triads. *Molecules*, **2020**, 25,	4.8	8
54	The role of the bridging group in exchange coupling in dinuclear homo- and heterometallic Ni(II) and Co(II) complexes with oxalate, oxamidate and dithiooxamidate bridges. *Dalton Transactions*, **2012**, 41, 11319-29	4.3	8
53	Divalent Thulium Triflate: A Structural and Spectroscopic Study. *Angewandte Chemie*, **2017**, 129, 4330-4335	3.6	7
52	Field-Induced Dysprosium Single-Molecule Magnet Involving a Fused o-Semiquinone-Extended-Tetrathiafulvalene-o-Semiquinone Bridging Triad. *Inorganics*, **2018**, 6, 45	2.9	7
51	Difluorodioxophosphate-based hollow hexanuclear lanthanide(III) clusters decorated with tetrathiafulvalene ligands. *Inorganic Chemistry*, **2013**, 52, 9711-3	5.1	7
50	3d and 4d coordination complexes and coordination polymers involving electroactive tetrathiafulvalene containing ligands. *Comptes Rendus Chimie*, **2013**, 16, 679-687	2.7	7

49	X-ray structure and magnetochemical study on a Co(II) complex of 2-acetyl-1,3-indandione. *Journal of Coordination Chemistry*, **2008**, 61, 3879-3886	1.6	7
48	Dysprosium- and Ytterbium-Based Complexes Involving Tetrathiafulvalene Derivatives Functionalised with 2,2?-Bipyridine or 2,6-Di(pyrazol-1-yl)-4-pyridine. *European Journal of Inorganic Chemistry*, **2016**, 2016, 2039-2050	2.3	7
47	Luminescent dysprosium single-molecule magnets made from designed chiral BINOL-derived bisphosphate ligands. *Inorganic Chemistry Frontiers*, **2021**, 8, 963-976	6.8	7
46	Ytterbium-Centered Isotopic Enrichment Leading to a Zero-Field Single-Molecule Magnet. *Inorganic Chemistry*, **2021**, 60, 540-544	5.1	7
45	Field-Induced Single Molecular Magnetism and Photoluminescence in Rare Cocrystals of Isomorphic Lanthanide(III) Coordination Compounds with Fully Substituted Pyridine-4-carboxamide Ligand. *Inorganic Chemistry*, **2020**, 59, 9227-9238	5.1	6
44	Structural and Physical Investigations of Coordination Complexes Involving Pyridylethylenedithio□tetrathiafulvalene Ligands Decorated with Cyanoethylsulfanyl and Cyanoethylselanyl Moieties. *European Journal of Inorganic Chemistry*, **2016**, 2016, 5630-5639	2.3	6
43	A facile route to steady redox-modulated nitroxide spin-labeled surfaces based on diazonium chemistry. *Chemical Communications*, **2013**, 49, 4555-7	5.8	6
42	Spectroscopic Determination of Magnetic Exchange Parameters and Structural Geometry for Trinuclear Compounds: (CuL)2Mn□kB (L = N-(4-Methyl-6-oxo-3-azahept-4-enyl)oxamato and B = (CH3)2SO (x = 2) or H2O (x = 5)). *Inorganic Chemistry*, **1999**, 38, 2643-2648	5.1	6
41	Influence of ligand field on magnetic anisotropy in a family of pentacoordinate Co complexes. *Dalton Transactions*, **2020**, 49, 4785-4796	4.3	6
40	Field-Induced Dysprosium Single-Molecule Magnet Based on a Redox-Active Fused 1,10-Phenanthroline-Tetrathiafulvalene-1,10-Phenanthroline Bridging Triad. *Frontiers in Chemistry*, **2018**, 6, 552	5	6
39	Structural and magnetic investigations of a binuclear coordination compound of dysprosium(iii) dinitrobenzoate. *Dalton Transactions*, **2019**, 48, 3922-3929	4.3	5
38	Solid-state versus solution investigation of a luminescent chiral BINOL-derived bisphosphate single-molecule magnet. *Inorganic Chemistry Frontiers*, **2021**, 8, 947-962	6.8	5
37	Bis-Cyclooctatetraenyl Thulium(II): Highly Reducing Lanthanide Sandwich Single-Molecule Magnets. *Angewandte Chemie*, **2021**, 133, 6107-6111	3.6	5
36	Spin-Crossover and Field-Induced Single-Molecule Magnet Behaviour in Metal(II)-Dipyrazolylpyridine Complexes. *European Journal of Inorganic Chemistry*, **2018**, 2018, 4452-4457	2.3	5
35	N3O6 versus N2O6 coordinated dysprosium slow magnetic relaxation in a tetrathiafulvalene-based dinuclear complex. *Polyhedron*, **2019**, 168, 28-36	2.7	4
34	A high-spin Fe(II)/low-spin Fe(III) redox couple featuring the hydro[tris(4-chloro-3,5-dimethyl-pyrazolyl)]borate ligand: Synthesis, spectroscopic and X-ray crystallographic characterization. *Inorganica Chimica Acta*, **2009**, 362, 4389-4395	2.7	4
33	Synthesis, crystal structures and magnetic properties of 2,3,6,7-tetrakis(2-cyanoethylthio)tetrathiafulvalene salts. *Comptes Rendus Chimie*, **2008**, 11, 673-683	2.7	4
32	Magnetic pole reversal and thermal hysteresis in molecule-based magnets with a fully interlocked structure. *Polyhedron*, **2001**, 20, 1761-1769	2.7	4

31	Slow magnetic relaxation in a homo dinuclear Dy(iii) complex in a pentagonal bipyramidal geometry. *Dalton Transactions*, **2020**, 49, 13110-13122	4.3	4
30	Azide-Coordination in Homometallic Dinuclear Lanthanide(III) Complexes Containing Nonequivalent Lanthanide Metal Ions: Zero-Field SMM Behavior in the Dysprosium Analogue. *Inorganic Chemistry*, **2021**, 60, 8530-8545	5.1	4
29	A Dy4 Cubane: A New Member in the Single-Molecule Toroics Family. *Angewandte Chemie*, **2018**, 130, 17335-17339	3.6	4
28	Photo-physical properties of donor-acceptor-radical triad based on functionalized tetrathiafulvalene and nitronyl nitroxide radical. *Dyes and Pigments*, **2017**, 145, 285-293	4.6	3
27	Dysprosium Single-Molecule Magnets Involving 1,10-Phenantroline-5,6-dione Ligand. *Magnetochemistry*, **2020**, 6, 19	3.1	3
26	Luminescent Molecular Magnets **2016**, 345-368		3
25	New thiocyanato and azido adducts of the redox-active Fe(η5-C5Me5)(η2-dppe) center: Synthesis and study of the Fe(II) and Fe(III) complexes. *Inorganica Chimica Acta*, **2011**, 374, 288-301	2.7	3
24	Structural characterization of zinc and iron (II/III) complexes of a porphyrin bearing two built-in nitrogen bases. An example of high-spin diaqua-iron(III) bromo complex. *Inorganic Chemistry*, **2010**, 49, 7536-44	5.1	3
23	Redox Modulation of Field-Induced Tetrathiafulvalene-Based Single-Molecule Magnets of Dysprosium. *Magnetochemistry*, **2020**, 6, 34	3.1	3
22	Leveraging Surface Siloxide Electronics to Enhance the Relaxation Properties of a Single-Molecule Magnet. *Journal of the American Chemical Society*, **2021**, 143, 5438-5444	16.4	3
21	Spin Crossover and Field-Induced Single-Molecule Magnet Behaviour in Co(II) Complexes Based on Terpyridine with Tetrathiafulvalene Analogues. *European Journal of Inorganic Chemistry*, **2021**, 2021, 2374-2383	2.3	3
20	Homoleptic CoII, NiII, CuII, and ZnII Complexes Based on 8-Hydroxylquinoline Schiff Base Derivative: a Combined Synthetic, Spectral, Structural, and Magnetic Study. *European Journal of Inorganic Chemistry*, **2018**, 2018, 4720-4730	2.3	3
19	Dual switchable molecular tweezers incorporating anisotropic Mn-salphen complexes. *Dalton Transactions*, **2020**, 49, 8872-8882	4.3	2
18	Redox-Active Dysprosium Single-Molecule Magnet: Spectro-Electrochemistry and Theoretical Investigations. *Magnetochemistry*, **2019**, 5, 46	3.1	2
17	Multifunctional conducting and magnetic molecular materials based on coordination complexes. *Research on Chemical Intermediates*, **2008**, 34, 191-199	2.8	2
16	Coordination anion effects on the geometry and magnetic interaction of binuclear Dy single-molecule magnets. *Dalton Transactions*, **2021**, 50, 15027-15035	4.3	2
15	Role of the Templating Heteroatom on Both Structural and Magnetic Properties of POM-Based SIM Lanthanoid Complexes. *European Journal of Inorganic Chemistry*,	2.3	2
14	Tetrathiafulvalene-Based Magnets of Lanthanides. *Topics in Organometallic Chemistry*, **2018**, 163-189	0.6	1

13	Magnetic and Photo-Physical Properties of Lanthanide Dinuclear Complexes Involving the 4,5-Bis(2-Pyridyl-N-Oxidemethylthio)-4?,5?-Dicarboxylic Acid-Tetrathiafulvalene-, Dimethyl Ester Ligand. *Inorganics*, **2015**, 3, 554-572	2.9	1
12	Study of the influence of nuclear spin and dilution over the slow relaxation in a 3d4f heterobimetallic single-molecule magnet. *Dalton Transactions*, **2021**, 50, 11466-11471	4.3	1
11	Field-Induced Single-Molecule Magnets of Dysprosium Involving Quinone Derivatives. *Magnetochemistry*, **2021**, 7, 24	3.1	1
10	Versatile Reactivity of Mn Complexes in Reactions with N-Donor Heterocycles: Metamorphosis of Labile Homometallic Pivalates vs. Assembling of Endurable Heterometallic Acetates. *Molecules*, **2021**, 26,	4.8	1
9	Size-Controlled Hapticity Switching in [Ln(C H)(C H)] Sandwiches. *Chemistry - A European Journal*, **2021**, 27, 13558-13567	4.8	1
8	Synthesis and Structures of Tris(cyclononatetraenyl) Rare-Earth Complexes [Ln(C9H9)3] (Ln = Y, Gd, Tb, Dy, Ho, Er, Tm). *Organometallics*, **2022**, 41, 133-140	3.8	0
7	Counterintuitive Single-Molecule Magnet Behaviour in Two Polymorphs of One-Dimensional Compounds Involving Chiral BINOL-Derived Bisphosphate Ligands. *Magnetochemistry*, **2021**, 7, 150	3.1	0
6	Non-covalent interactions in hexanuclear polyoxidometalates [VIV6B20O50H8]8□An experimental and theoretical approach. *Polyhedron*, **2021**, 211, 115553	2.7	0
5	Chiral or Luminescent Lanthanide Single-Molecule Magnets Involving Bridging Redox Active Triad Ligand. *Inorganics*, **2021**, 9, 50	2.9	0
4	Solvato Modulation of the Magnetic Memory in Isotopically Enriched Erbium Polyoxometalate. *Chemistry - A European Journal*, **2021**, 27, 10160-10168	4.8	0
3	R□ktitelbild: Divalent Thulium Triflate: A Structural and Spectroscopic Study (Angew. Chem. 15/2017). *Angewandte Chemie*, **2017**, 129, 4428-4428	3.6	
2	Electroactive Paramagnetic Complexes as Molecular Bricks for □d Conducting Magnets. *Topics in Organometallic Chemistry*, **2009**, 55-75	0.6	
1	Electroactive 4f Lanthanides Complexes Involving Tetrathiafulvalene Derivatives as Ligands **2013**, 185-218		