

# Andrea Caneschi

## List of Publications by Citations

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381  
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395  
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27,152  
ext. citations

6.1  
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6.41  
L-index

#	Paper	IF	Citations
381	Magnetic bistability in a metal-ion cluster. <i>Nature</i> , <b>1993</b> , 365, 141-143	50.4	3441
380	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires The financial support of Italian MURST and CNR and of Brazilian CNPq and FUJB is acknowledged. The support from the European Community through the TMR program 3MD (contract no ERB4061PL97-0197) is also acknowledged. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 1760-1763	16.4	990
379	Alternating current susceptibility, high field magnetization, and millimeter band EPR evidence for a ground $S = 10$ state in $[Mn_{12}O_{12}(CH_3COO)_{16}(H_2O)_4] \cdot 2CH_3COOH \cdot 4H_2O$ . <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 5873-5874	16.4	816
378	Large clusters of metal ions: the transition from molecular to bulk magnets. <i>Science</i> , <b>1994</b> , 265, 1054-8	33.3	754
377	Toward molecular magnets: the metal-radical approach. <i>Accounts of Chemical Research</i> , <b>1989</b> , 22, 392-398	4.3	735
376	Crystal and molecular structure of and magnetic coupling in two complexes containing gadolinium(III) and copper(II) ions. <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 8128-8136	16.4	478
375	Magnetic anisotropy in a dysprosium/DOTA single-molecule magnet: beyond simple magneto-structural correlations. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1606-10	16.4	474
374	A family of rare-earth-based single chain magnets: playing with anisotropy. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7947-56	16.4	474
373	Single-Molecule Magnet Behavior of a Tetranuclear Iron(III) Complex. The Origin of Slow Magnetic Relaxation in Iron(III) Clusters. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 5302-5310	16.4	408
372	Magnetic anisotropy and spin-parity effect along the series of lanthanide complexes with DOTA. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 350-4	16.4	252
371	Magnetic anisotropy of dysprosium(III) in a low-symmetry environment: a theoretical and experimental investigation. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 5573-9	16.4	232
370	Low-Energy Magnetic Excitations of the Mn <sub>12</sub> -Acetate Spin Cluster Observed by Neutron Scattering. <i>Physical Review Letters</i> , <b>1999</b> , 83, 628-631	7.4	214
369	Synthesis, crystal structure, and magnetic properties of tetranuclear complexes containing exchange-coupled dilanthanide-dicopper(lanthanide = gadolinium, dysprosium) species. <i>Inorganic Chemistry</i> , <b>1990</b> , 29, 1750-1755	5.1	214
368	Neutron Spectroscopy for the Magnetic Anisotropy of Molecular Clusters. <i>Physical Review Letters</i> , <b>1998</b> , 81, 4744-4747	7.4	207
367	A rational approach to the modulation of the dynamics of the magnetisation in a dysprosium-nitronyl-nitroxide radical complex. <i>Chemical Communications</i> , <b>2007</b> , 1807-9	5.8	197
366	Tuning anisotropy barriers in a family of tetrairon(III) single-molecule magnets with an $S = 5$ ground state. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 4742-55	16.4	191
365	Giant field dependence of the low temperature relaxation of the magnetization in a dysprosium(III)-DOTA complex. <i>Chemical Communications</i> , <b>2011</b> , 47, 3751-3	5.8	190

364	The molecular approach to nanoscale magnetism. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 200, 182-201	2.8	185
363	Direct observation of single-molecule magnets organized on gold surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 1645-8	16.4	173
362	Crystal and molecular structure and magnetic properties of a trinuclear complex containing exchange-coupled GdCu <sub>2</sub> species. <i>Inorganic Chemistry</i> , <b>1986</b> , 25, 572-575	5.1	171
361	Preparation, crystal structure, and magnetic properties of an oligonuclear complex with 12 coupled spins and an S = 12 ground state. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 2795-2799	16.4	163
360	A Cyclic Octadecairon(III) Complex, the Molecular 18-Wheeler. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 2774-2776		157
359	Strong magneto-chiral dichroism in a paramagnetic molecular helix observed by hard X-ray. <i>Nature Physics</i> , <b>2015</b> , 11, 69-74	16.2	156
358	Structure and magnetic properties of ferrimagnetic chains formed by manganese(II) and nitronyl nitroxides. <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 1756-1761	5.1	154
357	Linear-chain gadolinium(III) nitronyl nitroxide complexes with dominant next-nearest-neighbor magnetic interactions. <i>Inorganic Chemistry</i> , <b>1990</b> , 29, 4223-4228	5.1	150
356	Nonadiabatic Landau-Zener tunneling in Fe <sub>8</sub> molecular nanomagnets. <i>Europhysics Letters</i> , <b>2000</b> , 50, 552-558	5.8	144
355	Crystal structure and magnetic properties of two nitronyl nitroxide biradicals and of their copper(II) complexes. <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 1445-1453	5.1	144
354	Nitrogen-bonded copper(II)-imino nitroxide complexes exhibiting large ferromagnetic interactions. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 1245-1251	16.4	144
353	Effects of nuclear spins on the quantum relaxation of the magnetization for the molecular nanomagnet Fe <sub>8</sub> . <i>Physical Review Letters</i> , <b>2000</b> , 84, 2965-8	7.4	142
352	Cavitand-based nanoscale coordination cages. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 6516-6517	16.4	141
351	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 1810-1813	3.6	138
350	Synthesis, Crystal Structure, Magnetism, and Magnetic Anisotropy of Cyclic Clusters Comprising six Iron(III) Ions and Entrapping Alkaline Ions. <i>Chemistry - A European Journal</i> , <b>1996</b> , 2, 1379-1387	4.8	136
349	Magnetic phase transition and low-temperature EPR spectra of a one-dimensional ferrimagnet formed by manganese(II) and a nitronyl nitroxide. <i>Inorganic Chemistry</i> , <b>1989</b> , 28, 1976-1980	5.1	133
348	Ferromagnetic alternating spin chains. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 2191-2192	16.4	131
347	Density functional studies on the exchange interaction of a dinuclear Gd(III)-Cu(II) complex: method assessment, magnetic coupling mechanism and magneto-structural correlations. <i>Dalton Transactions</i> , <b>2009</b> , 3153-61	4.3	129

346	Self assembly, structure and properties of the decanuclear lanthanide ring complex, Dy <sub>10</sub> (OC <sub>2</sub> H <sub>4</sub> OCH <sub>3</sub> ) <sub>30</sub> . <i>Chemical Communications</i> , <b>2003</b> , 1012-3	5.8	127
345	Finite-size effects in single chain magnets: an experimental and theoretical study. <i>Physical Review Letters</i> , <b>2004</b> , 92, 207204	7.4	126
344	Structure and magnetic ordering of a ferrimagnetic helix formed by manganese(II) and a nitronyl nitroxide radical. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 3936-3941	5.1	124
343	Ferromagnetic Coupling between Semiquinone Type Tridentate Radical Ligands Mediated by Metal Ions. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 1388-1394	16.4	122
342	Transition metal derivatives of a chelating nitronyl nitroxide ligand. Nickel(II) and manganese(II) complexes. <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 5616-5622	5.1	121
341	Magnetic interactions and magnetic ordering in rare earth metal nitronyl nitroxide chains. <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 4797-4801	5.1	121
340	Mesoscopic quantum tunneling of the magnetization. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 1825-1828	2.8	118
339	Ferromagnetic phase transitions of two one-dimensional ferrimagnets formed by manganese(II) and nitronyl nitroxides cis octahedrally coordinated. <i>Inorganic Chemistry</i> , <b>1989</b> , 28, 3314-3319	5.1	118
338	A Cyclic Hexairon(III) Complex with an Octahedrally Coordinated Sodium Ion at the Center, an Example of the [12]Metallacrown-6 Structure Type. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 467-469		116
337	Antiferromagnetic Coupling in a Gadolinium(III) Semiquinonato Complex. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 246-248	16.4	113
336	Magnetism of large iron-oxo clusters. <i>Chemical Society Reviews</i> , <b>1996</b> , 25, 101	58.5	112
335	2,2'-Bipyrimidine (bipym)-bridged dinuclear complexes. Part 4. Synthesis, crystal structure and magnetic properties of [CO <sub>2</sub> (H <sub>2</sub> O) <sub>8</sub> (bipym)][NO <sub>3</sub> ] <sub>4</sub> , [CO <sub>2</sub> (H <sub>2</sub> O) <sub>8</sub> (bipym)][SO <sub>4</sub> ] <sub>2</sub> ·2H <sub>2</sub> O and [CO <sub>2</sub> (bipym) <sub>3</sub> (NCS) <sub>4</sub> ]. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1994</b> , 1175-1183		112
334	Synthesis, crystal structures and magnetic characterization of four Ediketonate-alkoxide iron(III) dimers. Dependence of the magnetic properties on geometrical and electronic parameters. <i>Inorganica Chimica Acta</i> , <b>1997</b> , 262, 123-132	2.7	111
333	X-ray detected magnetic hysteresis of thermally evaporated terbium double-decker oriented films. <i>Advanced Materials</i> , <b>2010</b> , 22, 5488-93	24	110
332	Structure and magnetic properties of linear-chain complexes of rare-earth ions (gadolinium, europium) with nitronyl nitroxides. <i>Inorganic Chemistry</i> , <b>1989</b> , 28, 275-280	5.1	110
331	Quantum coherence in a processable vanadyl complex: new tools for the search of molecular spin qubits. <i>Chemical Science</i> , <b>2016</b> , 7, 2074-2083	9.4	109
330	Gadolinium(III) complexes with pyridine-substituted nitronyl nitroxide radicals. <i>Inorganic Chemistry</i> , <b>1992</b> , 31, 741-746	5.1	104
329	Moderate ferromagnetic exchange between copper(II) and a nitronyl nitroxide in a square-pyramidal adduct. MO interpretation of the mechanism of exchange in copper(II)-nitroxide complexes. <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 1031-1035	5.1	104

328	Magnetic coupling in zero- and one-dimensional magnetic systems formed by nickel(II) and nitronyl nitroxides. Magnetic phase transition of a ferrimagnetic chain. <i>Inorganic Chemistry</i> , <b>1989</b> , 28, 2940-2944	5.1	103
327	Glauber slow dynamics of the magnetization in a molecular Ising chain. <i>Europhysics Letters</i> , <b>2002</b> , 58, 771-777	1.6	102
326	Magnetic properties of lanthanide complexes with nitronyl nitroxides.. <i>Inorganic Chemistry</i> , <b>1989</b> , 28, 272-275	5.1	102
325	Ising-type magnetic anisotropy in a cobalt(II) nitronyl nitroxide compound: a key to understanding the formation of molecular magnetic nanowires. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 286-92	4.8	99
324	Iron and manganese alkoxide cubes. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 11753-11766	16.4	98
323	Synthetic and magnetic studies of a dodecanuclear cobalt wheel. <i>Chemical Communications</i> , <b>2002</b> , 1860-3	3.8	96
322	Residual matrix from different separation techniques impacts exosome biological activity. <i>Scientific Reports</i> , <b>2016</b> , 6, 23550	4.9	95
321	Anchoring molecular magnets on the si(100) surface. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4081-4	16.4	95
320	Alternating Ferro- and Antiferromagnetic Interactions in Unusual Copper(II) Chains. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 157-165	5.1	95
319	EPR of molecular nanomagnets. <i>Coordination Chemistry Reviews</i> , <b>2006</b> , 250, 1514-1529	23.2	93
318	Valence Tautomerism in a Cobalt Complex of a Schiff Base Diquinone Ligand. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 3419-3421	5.1	93
317	Nonexponential Dynamic Scaling of the Magnetization Relaxation in Mn <sub>12</sub> Acetate. <i>Physical Review Letters</i> , <b>1999</b> , 83, 2398-2401	7.4	93
316	Polyfunctional inorganic-organic hybrid materials: an unusual kind of NLO active layered mixed metal oxalates with tunable magnetic properties and very large second harmonic generation. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 9410-20	16.4	92
315	Structure and Magnetic Properties of a Mixed-Valence Heptanuclear Manganese Cluster. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 3759-3766	5.1	91
314	Magnetic Anisotropy in a Dysprosium/DOTA Single-Molecule Magnet: Beyond Simple Magneto-Structural Correlations. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1638-1642	3.6	87
313	The origin of transverse anisotropy in axially symmetric single molecule magnets. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 10754-62	16.4	87
312	Circular magnetoplasmonic modes in gold nanoparticles. <i>Nano Letters</i> , <b>2013</b> , 13, 4785-9	11.5	86
311	The azido ligand: a useful tool in designing chain compoundsexhibiting alternating ferro- and antiferro-magnetic interactions. <i>Chemical Communications</i> , <b>1997</b> , 1195-1196	5.8	86

310	Specific heat and magnetic relaxation of the quantum nanomagnet Mn <sub>12</sub> Ac. <i>Physical Review B</i> , <b>1998</b> , 57, 5021-5024	3.3	86
309	Magnetic phase transitions in manganese(II) pentafluorobenzoate adducts with nitronyl nitroxides. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 785-786	16.4	85
308	Heterobinuclear Complexes as Tectons in Designing Coordination Polymers. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 941-949	3.5	84
307	A Decanuclear Manganese Cluster with Oxo and Halide Bridging Ligands: Magnetic Behavior of an S = 12 System. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 5789-5800	16.4	84
306	Hetero di- and trinuclear Cu-Gd complexes with trifluoroacetate bridges: synthesis, structural and magnetic studies. <i>Dalton Transactions</i> , <b>2004</b> , 1194-200	4.3	83
305	Submillimeter spectroscopy of Mn <sub>12</sub> -Ac magnetic clusters. <i>Europhysics Letters</i> , <b>1998</b> , 44, 778-782	1.6	83
304	Novel features in the relaxation times of Mn <sub>12</sub> Ac. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 379-380	2.8	83
303	A Ferromagnetic Ring of Six Manganese(III) Ions with a S = 12 Ground State. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 1430-1431	5.1	82
302	Magnetic properties of a Mn cluster organic compound. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 146, 211-213	2.8	82
301	An example of O <sub>2</sub> binding in a cobalt(II) corrole system and high-valent cobalt-cyano and cobalt-alkynyl complexes. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 2515-25	16.4	81
300	Synthesis and reaction of [[HC(CMeAr) <sub>2</sub> Mn] <sub>2</sub> (Ar = 2,6-iPr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ): the complex containing three-coordinate manganese(I) with a Mn-Mn bond exhibiting unusual magnetic properties and electronic structure. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 9201-6	16.4	80
299	Landau-Zener method to study quantum phase interference of Fe <sub>8</sub> molecular nanomagnets (invited). <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 5481-5486	2.5	80
298	Structure and Magnetic Properties of a Gadolinium Hexafluoroacetylacetonate Adduct with the Radical 4,4,5,5-tetramethyl-2-phenyl-4,5-dihydro-1H-imidazole 3-Oxide 1-Oxyl. <i>Angewandte Chemie International Edition in English</i> , <b>1987</b> , 26, 913-915		80
297	Heat Capacity Anomalies Induced by Magnetization Quantum Tunneling in a Mn <sub>12</sub> O <sub>12</sub> -Acetate Single Crystal. <i>Physical Review Letters</i> , <b>1997</b> , 79, 1126-1129	7.4	79
296	Pressure- and temperature-induced valence tautomeric interconversion in a o-dioxolene adduct of a cobalt-tetraazamacrocycle complex. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 3926-30	4.8	79
295	Spin canting in a Dy-based single-chain magnet with dominant next-nearest-neighbor antiferromagnetic interactions. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	78
294	Modulated Magnetic Coupling in Alkoxoiron(III) Rings by Host-Guest Interactions with Alkali Metal Cations. <i>Inorganic Chemistry</i> , <b>1997</b> , 36, 6443-6446	5.1	78
293	Preparation of Novel Materials Using SMMs		77

- 292 High-Frequency EPR Spectra for the Analysis of Magnetic Anisotropy in Large Magnetic Clusters. *Journal of the American Chemical Society*, **1995**, 117, 8855-8856 16.4 77
- 291 Magneto-Optical Investigations of Nanostructured Materials Based on Single-Molecule Magnets Monitor Strong Environmental Effects. *Advanced Materials*, **2007**, 19, 3906-3911 24 76
- 290 Ferro- and antiferromagnetic coupling between metal ions and pyridine-substituted nitronyl nitroxides. *Inorganic Chemistry*, **1990**, 29, 4217-4223 5.1 76
- 289 Structure and magnetic properties of a chain compound formed by copper(II) and a tridentate nitronyl nitroxide radical. *Inorganic Chemistry*, **1991**, 30, 3162-3166 5.1 76
- 288 Both spacer length and parity influence the thermal and light-induced properties of iron(II) alpha,omega-bis(tetrazole-1-yl)alkane coordination polymers. *Chemistry - A European Journal*, **2006**, 12, 2235-43 4.8 75
- 287 Theoretical study of the magnetic behavior of hexanuclear Cu(II) and Ni(II) polysiloxanolato complexes. *Journal of the American Chemical Society*, **2003**, 125, 6791-4 16.4 75
- 286 Structure and Magnetic Properties of a Dodecanuclear Twisted-Ring Iron(III) Cluster. *Angewandte Chemie - International Edition*, **1999**, 38, 1295-1297 16.4 74
- 285 Proton NMR for Measuring Quantum Level Crossing in the Magnetic Molecular Ring Fe<sub>10</sub>. *Physical Review Letters*, **1999**, 83, 227-230 7.4 73
- 284 Polynuclear lanthanide hydroxo complexes: new chemical precursors for coordination polymers. *Inorganic Chemistry*, **2005**, 44, 7743-50 5.1 72
- 283 Tuning the physical properties of a metal complex by molecular techniques: the design and the synthesis of the simplest cobalt-o-dioxolene complex undergoing valence tautomerism. *Journal of Molecular Structure*, **2003**, 656, 141-154 3.4 72
- 282 Finite-size effects on the static properties of a single-chain magnet. *Physical Review B*, **2005**, 72, 3.3 71
- 281 Advances in single-molecule magnet surface patterning through microcontact printing. *Nano Letters*, **2005**, 5, 1435-8 11.5 71
- 280 Studies of hysteresis in Mn<sub>12</sub>Ac. *Journal of Magnetism and Magnetic Materials*, **1995**, 140-144, 1891-1892.8 71
- 279 Structure and magnetic properties of manganese(II) carboxylate chains with nitronyl nitroxides and their reduced amidino-oxide derivatives. From random-exchange one-dimensional to two-dimensional magnetic materials. *Inorganic Chemistry*, **1990**, 29, 4228-4234 5.1 71
- 278 Structure and magnetic properties of chains of diamonds of four spins formed by metal(II) hexafluoroacetylacetonates (metal = cobalt, nickel) and the nitronyl nitroxide radical 4,4,5,5-tetramethyl-2-ethyl-4,5-dihydro-1H-imidazolyl-1-oxyl 3-oxide. *Inorganic Chemistry*, **1988**, 27, 1553-1557 5.1 71
- 277 Manganese(III) Formate: A Three-Dimensional Framework That Traps Carbon Dioxide Molecules. *Angewandte Chemie - International Edition*, **1999**, 38, 1780-1782 16.4 70
- 276 Crystal structure and magnetic properties of a copper(II) chloride nitronyl nitroxide complex containing six exchange-coupled S = 1/2 spins. *Inorganic Chemistry*, **1990**, 29, 1756-1760 5.1 69
- 275 Antiferromagnetic coupling in a six-coordinate high spin cobalt(II)-semiquinonato complex. *Inorganic Chemistry*, **2002**, 41, 3508-12 5.1 68

- 274 Magnetic ordering in a molecular material containing dysprosium(III) and a nitronyl nitroxide. *Advanced Materials*, **1992**, 4, 504-505 24 68
- 273 One-dimensional magnetism of a linear chain compound containing yttrium(III) and a nitronyl nitroxide radical. *Inorganic Chemistry*, **1989**, 28, 3230-3234 5.1 68
- 272 Temperature and pH sensors based on graphenic materials. *Biosensors and Bioelectronics*, **2017**, 91, 870-878 67
- 271 Self-assembled organic radicals on Au(111) surfaces: a combined ToF-SIMS, STM, and ESR study. *Langmuir*, **2007**, 23, 2389-97 4 66
- 270 Honeycomb nets with interpenetrating frameworks involving iminodiacetato-copper(II) blocks and bipyridine spacers: syntheses, characterization, and magnetic studies. *Inorganic Chemistry*, **2004**, 43, 3413-20 5.1 66
- 269 EPR and SQUID magnetometry study of Cu<sub>2</sub>FeSnS<sub>4</sub> (stannite) and Cu<sub>2</sub>ZnSnS<sub>4</sub> (kesterite). *Physics and Chemistry of Minerals*, **2000**, 27, 453-461 1.6 66
- 268 Magnetization Density in an Iron(III) Magnetic Cluster. A Polarized Neutron Investigation. *Journal of the American Chemical Society*, **1999**, 121, 5342-5343 16.4 66
- 267 Green and low temperature synthesis of nanocrystalline transition metal ferrites by simple wet chemistry routes. *Nano Research*, **2014**, 7, 1027-1042 10 64
- 266 Synthesis and behaviour of size controlled cyano-bridged coordination polymer nanoparticles within hybrid mesoporous silica. *New Journal of Chemistry*, **2008**, 32, 273-282 3.6 64
- 265 Antiferromagnetic coupling between rare earth ions and semiquinones in a series of 1:1 complexes. *Dalton Transactions*, **2004**, 1048-55 4.3 63
- 264 Structure and magnetic properties of ferromagnetic alternating spin chains. *Inorganic Chemistry*, **1990**, 29, 2582-2587 5.1 63
- 263 Ni(II), Cu(II), and Zn(II) dinuclear metal complexes with an aza-phenolic ligand: crystal structures, magnetic properties, and solution studies. *Inorganic Chemistry*, **2003**, 42, 348-57 5.1 62
- 262 Phonon-assisted tunneling in the quantum regime of Mn<sub>12</sub> acetate. *Physical Review Letters*, **2000**, 85, 4807-10 7.4 62
- 261 Magnetic properties and phase transitions in molecular based materials containing rare earth ions and organic radicals (invited). *Journal of Applied Physics*, **1993**, 73, 5333-5337 2.5 62
- 260 Ferromagnetic order in the sulfur-containing nitronyl nitroxide radical, 2-(4-thiomethyl)phenyl-4,4,5,5-tetramethylimidazole-l-oxyl-3-oxide, NIT(SMe)Ph. *Advanced Materials*, **1995**, 7, 476-478 24 62
- 259 Magnetic Anisotropy and Spin-Parity Effect Along the Series of Lanthanide Complexes with DOTA. *Angewandte Chemie*, **2013**, 125, 368-372 3.6 60
- 258 Ein cyclischer Octadecaeisen(III)-Komplex: ein molekulares Achtzehner-Rad. *Angewandte Chemie*, **1997**, 109, 2917-2919 3.6 59
- 257 Synthesis of magnetic silica-based nanocomposites containing Fe<sub>3</sub>O<sub>4</sub> nanoparticles. *Journal of Materials Chemistry*, **2004**, 14, 3026-3033 59



256	X-ray magnetic-circular-dichroism spectra on the superparamagnetic transition-metal ion clusters Mn <sub>12</sub> and Fe <sub>8</sub> . <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	59
255	Magnetic properties of a layered molecular material comprising manganese hexafluoroacetylacetonate and nitronyl nitroxide radicals. <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 4612-4616	5.1	57
254	Synthesis, Structure and Magnetic Properties of a Dinuclear Manganese(II) Complex with One $\mu$ -Aqua and Two $\mu$ -Carboxylato Bridges. <i>Angewandte Chemie International Edition in English</i> , <b>1989</b> , 28, 1365-1367		57
253	A decanuclear mixed-valent manganese complex with a high spin multiplicity in the ground state. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 9299-9300	16.4	56
252	Thermal deposition of intact tetrairon(III) single-molecule magnets in high-vacuum conditions. <i>Small</i> , <b>2009</b> , 5, 1460-6	11	55
251	Nanosized Iron Oxide Particles Entrapped in Pseudo-Single Crystals of $\beta$ -Cyclodextrin. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 2016-2020	9.6	54
250	Synthesis and Magnetic Properties of a Tetranuclear Copper(II) Complex with a $\mu$ -1,2,3,4-Squarato Coordination Mode. Crystal Structure of ( $\mu$ -1,2,3,4-Squarato)tetrakis[tris(2-aminoethyl)amine)copper(II)] Perchlorate. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 4903-4909	5.1	54
249	Structural and redox properties of the Tempo adducts of copper(II) halides. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 4474-4477	5.1	54
248	Ferromagnetically coupled bis(semiquinone) ligand enforces high-spin ground states in bis-metal complexes. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 408-11	5.1	52
247	Valence Tautomerism in a o-Benzoquinone Adduct of a Tetraazamacrocyclic Complex of Manganese. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 3005-3007	16.4	51
246	Polyiron(III)-Alkoxo Clusters: a Novel Trinuclear Complex and Its Relevance to the Extended Lattices of Iron Oxides and Hydroxides. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 4660-4668	5.1	51
245	Single-Crystal High-Frequency Electron Paramagnetic Resonance Investigation of a Tetranuclear Iron(III) Single-Molecule Magnet. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 2658-2663	3.4	50
244	[Fe(OCH <sub>3</sub> ) <sub>2</sub> (dbm)] <sub>12</sub> : synthesis, solid-state characterization and reactivity of a new molecular ferric wheel. <i>Inorganica Chimica Acta</i> , <b>2000</b> , 297, 291-300	2.7	49
243	A bis-bidentate dioxolene ligand induces thermal hysteresis in valence tautomerism interconversion processes. <i>Chemical Communications</i> , <b>2001</b> , 2150-1	5.8	49
242	Magneto-Structural Effects of the Jahn-Teller Distortions on 2,2'-Bipyrimidine-, (bpm-) Bridged Dinuclear Copper(II) Complexes: Crystal Structures and Magnetic Properties of [Cu <sub>2</sub> (bpm)(H <sub>2</sub> O) <sub>4</sub> (SO <sub>4</sub> ) <sub>2</sub> ].nH <sub>2</sub> O and [Cu <sub>2</sub> (bpm)(H <sub>2</sub> O) <sub>8</sub> ](SO <sub>4</sub> ) <sub>2</sub> .nH <sub>2</sub> O. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 2048-2053	5.1	49
241	Magnetic and luminescent binuclear double-stranded helicates. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 7738-47	5.1	48
240	A carbon-rich ruthenium decorated dysprosium single molecule magnet. <i>Chemical Communications</i> , <b>2012</b> , 48, 3948-50	5.8	48
239	Water-soluble rhamnose-coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Organic Letters</i> , <b>2009</b> , 11, 2992-5	6.2	48

- 238 Quantum tunneling of the magnetic moment in manganese and iron molecular clusters. *Journal of Magnetism and Magnetic Materials*, **1998**, 177-181, 1330-1336 2.8 47
- 237 Supramolecular coordination assemblies of dinuclear Fe(III) complexes. *Angewandte Chemie - International Edition*, **2005**, 44, 4187-92 16.4 47
- 236 Molecular magnets and surfaces: A promising marriage. A DFT insight. *Coordination Chemistry Reviews*, **2015**, 289-290, 357-378 23.2 46
- 235 New heterometallic coordination polymers constructed from 3d<sup>2</sup> binuclear nodes. *New Journal of Chemistry*, **2010**, 34, 2479 3.6 46
- 234 A 2D coordination polymer with canted ferromagnetism constructed from ferromagnetic [Ni(II)Co(II)] nodes. *Inorganic Chemistry*, **2008**, 47, 6590-2 5.1 46
- 233 New Single-Molecule Magnets by Site-Specific Substitution: Incorporation of Alligator Clips into Fe<sub>4</sub> Complexes. *European Journal of Inorganic Chemistry*, **2007**, 2007, 4145-4152 2.3 46
- 232 Spin noise fluctuations from paramagnetic molecular adsorbates on surfaces. *Journal of Applied Physics*, **2007**, 101, 053916 2.5 46
- 231 Investigation of magnetic interaction pathways by experimental electron density measurements: application to an organic free radical, p-(methylthio)phenyl nitronyl nitroxide. *New Journal of Chemistry*, **2001**, 25, 131-143 3.6 46
- 230 Sterically-induced synthesis of 3d<sup>4</sup> one-dimensional compounds: A new route towards 3d<sup>4</sup> single chain magnets. *Inorganica Chimica Acta*, **2008**, 361, 3997-4003 2.7 45
- 229 Supramolecular interactions and magnetism of metal radical chains. *Dalton Transactions RSC*, **2000**, 3907-3912 45
- 228 Three-center binding of a nitroxyl free radical to copper(II) bromide. *Journal of the American Chemical Society*, **1988**, 110, 2307-2309 16.4 44
- 227 Tuning the magnetic properties of the high-spin molecular cluster Fe<sub>8</sub>. *ChemPhysChem*, **2001**, 2, 523-31 3.2 43
- 226 Ferromagnetic coupling of gadolinium(III) ions and nitronyl nitroxide radicals in an essentially isotropic way. *Inorganic Chemistry*, **1990**, 29, 4153-4155 5.1 43
- 225 Two-step magnetic ordering in quasi-one-dimensional helimagnets: possible experimental validation of Villain's conjecture about a chiral spin liquid phase. *Physical Review Letters*, **2008**, 100, 057203 7.4 42
- 224 Synthesis, x-ray crystal structure, and magnetic properties of two dinuclear manganese(II) compounds containing nitronyl nitroxides, imino nitroxides, and their reduced derivatives. *Inorganic Chemistry*, **1989**, 28, 1969-1975 5.1 42
- 223 Modification of spin crossover behavior through solvent assisted formation and solvent inclusion in a triply interpenetrating three-dimensional network. *Inorganic Chemistry*, **2007**, 46, 4220-9 5.1 41
- 222 First evidence of natural superconductivity: covellite. *European Journal of Mineralogy*, **2006**, 18, 283-287 2.2 41
- 221 Crystal and molecular structure, magnetic properties and EPR spectra of a trinuclear copper(II) complex with bridging nitronyl nitroxides. *Inorganic Chemistry*, **1988**, 27, 2390-2392 5.1 41

220	A chimeric design of heterospin 2p-3d, 2p-4f, and 2p-3d-4f complexes using a novel family of paramagnetic dissymmetric compartmental ligands. <i>Chemical Communications</i> , <b>2017</b> , 53, 6504-6507	5.8	40
219	Slow Magnetic Relaxation of [Et <sub>3</sub> NH] <sub>2</sub> Mn(CH <sub>3</sub> CN) <sub>4</sub> (H <sub>2</sub> O) <sub>2</sub> ] [Mn <sub>10</sub> O <sub>4</sub> (biphen) <sub>4</sub> Br <sub>12</sub> ] (biphen=2,2'-biphenoxide) at Very Low Temperature. <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 145, 484-487	3.3	40
218	Slow Relaxation of Magnetization in an Isostructural Series of Zinc-Lanthanide Complexes: An Integrated EPR and AC Susceptibility Study. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 12849-58	4.8	40
217	Crystal structures and magnetic properties of strontium and copper doped lanthanum ferrites. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 191, 33-39	3.3	39
216	Synthesis, crystal structure and magnetic properties of the tetranuclear complex [Ni <sub>4</sub> (OCH <sub>3</sub> ) <sub>4</sub> (dbm) <sub>4</sub> (CH <sub>3</sub> OH) <sub>4</sub> ] <sub>2</sub> (C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> O. <i>Inorganica Chimica Acta</i> , <b>1996</b> , 247, 231-235	2.7	39
215	Synthesis and studies of water-soluble Prussian Blue-type nanoparticles into chitosan beads. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 12760-70	3.6	38
214	Structure and magnetic properties of two bis(nitronyl nitroxide) adducts of bis(hexafluoroacetylacetonato) manganese(II). Molecular orbital interpretation of the coupling in manganese-nitroxide complexes. <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 2027-2032	5.1	38
213	Electric field modulation of magnetic exchange in molecular helices. <i>Nature Materials</i> , <b>2019</b> , 18, 329-334	2.7	38
212	Self-sorting chiral organogels from a long chain carbamate of 1-benzyl-pyrrolidine-3,4-diol. <i>Soft Matter</i> , <b>2010</b> , 6, 1655	3.6	37
211	Fast switching of bistable magnetic nanowires through collective spin reversal. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 073102	3.4	37
210	A missing high-spin molecule in the family of cyanido-bridged heptanuclear heterometal complexes, [(LCu(II))Be(III)(CN)] <sub>7</sub> B <sup>+</sup> , and its Co(III) and Cr(III) analogues, accompanied in the crystal by a novel octameric water cluster. <i>Dalton Transactions</i> , <b>2010</b> , 39, 4838-47	4.3	36
209	Electronic structure and nature of the ground state of the mixed-valence binuclear tetra(μ-1,8-naphthyridine-N,N')-bis(halogenonickel) tetraphenylborate complexes: experimental and DFT characterization. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 3660-70	4.8	36
208	Spin dynamics and tunneling of the Néel vector in the Fe <sub>10</sub> magnetic wheel. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	36
207	High-spin metal complexes containing a ferromagnetically coupled tris(semiquinone) ligand. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 1086-92	5.1	36
206	Supported and Iron oxide nanomaterials by chemical vapor deposition: structure, morphology and magnetic properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 1039-1042	3.3	35
205	Solvent effects on the adsorption and self-organization of Mn <sub>12</sub> on Au(111). <i>Langmuir</i> , <b>2007</b> , 23, 11836-43	4.3	34
204	Site-specific ligation of anthracene-1,8-dicarboxylates to an Mn <sub>12</sub> core: a route to the controlled functionalisation of single-molecule magnets. <i>Chemical Communications</i> , <b>2004</b> , 2604-5	5.8	34
203	Synthesis and characterization of nanophasic LaCoO <sub>3</sub> powders. <i>Surface and Interface Analysis</i> , <b>2002</b> , 34, 112-115	1.5	34

202	Magnetic properties of dodecanuclear mixed valence iron clusters. <i>Inorganica Chimica Acta</i> , <b>1996</b> , 243, 295-304	2.7	34
201	Low-temperature specific heat of Fe <sub>6</sub> and Fe <sub>10</sub> molecular magnets. <i>Physical Review B</i> , <b>1999</b> , 60, 1161-1166	3.6	33
200	Ein ringförmiger Eisen(III)-Komplex mit [12]Metallakrone-6-Struktur und einem oktaedrisch koordinierten Natrium-Ion im Zentrum. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 511-513	3.6	33
199	Topological degeneracy of magnetic orbitals in organic biradicals mediated by metal ions: triplet ground state in a titanium(IV) complex of Schiff base diquinone radical ligands. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1992</b> , 630		33
198	Coupling between magnetic and optical properties of stable Au-Fe solid solution nanoparticles. <i>Nanotechnology</i> , <b>2010</b> , 21, 165701	3.4	32
197	Spin dynamics study of magnetic molecular clusters by means of Mössbauer spectroscopy. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	32
196	Low-temperature thermodynamic properties of molecular magnetic chains. <i>Physical Review B</i> , <b>1999</b> , 59, 6282-6293	3.3	32
195	Nanoscale assembly of paramagnetic organic radicals on Au(111) single crystals. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 3445-50	4.8	31
194	Static and dynamic magnetic properties of an [Fe <sub>13</sub> ] cluster. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	31
193	Single-ion and molecular contributions to the zero-field splitting in an iron(III)-oxo dimer studied by single crystal W-band EPR. <i>Journal of Magnetic Resonance</i> , <b>2006</b> , 179, 29-37	3	31
192	Tetrahedral cobalt(II) complexes stabilized by the aminodiphosphine PNP ligand [PNP = CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> N(CH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ]. <i>Dalton Transactions</i> , <b>2003</b> , 3233	4.3	31
191	Effect of Chiral Domain Walls on the Specific Heat of Gd(hfac) <sub>3</sub> NiR (R=Ethyl,Isopropyl,Methyl,Phenyl) Molecular Magnetic Chains. <i>Physical Review Letters</i> , <b>1996</b> , 77, 382-385	7.4	31
190	A periodic mixed gaussians-plane waves DFT study on simple thiols on Au(111): adsorbate species, surface reconstruction, and thiols functionalization. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 3886-95	3.6	29
189	Phase diagram of NdFeAsO(1-x)F(x): essential role of chemical composition. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2417-20	16.4	29
188	Slow relaxation of the magnetization in non-linear optical active layered mixed metal oxalate chains. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10894-901	5.1	29
187	First NiII/III Coordination Polymers Constructed by Using [Ni(bpca) <sub>2</sub> ] as a Building Block [Hbpca = bis(2-pyridylcarbonyl)amine]: Synthesis, Crystal Structures and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 5533-5540	2.3	29
186	Coordination polymer nano-objects into ionic liquids: Nanoparticles and superstructures. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 3988-3996	2.7	29
185	The first specimen of tetranuclear (Fe III, Ln III) clusters assembled by carboxylate ligands: synthesis, structure, Mössbauer spectra, and magnetic properties of [Fe <sub>3</sub> EuO <sub>2</sub> (CCl <sub>3</sub> COO) <sub>8</sub> H <sub>2</sub> O(THF) <sub>3</sub> ]·4THF. <i>Inorganic Chemistry Communication</i> , <b>2004</b> , 7, 576-579	3.1	29

184	Ferromagnetic intermolecular coupling in the nitronyl nitroxide radical 2-(4-thiomethylphenyl)-4,4,5,5-tetramethylimidazoline-1-oxyl-3-oxide, NIT(SMe)Ph. <i>Inorganica Chimica Acta</i> , <b>1995</b> , 235, 159-164	2.7	29
183	Manganese clusters: a common ground for photosynthesis, quantum tunnelling of the magnetization and colossal magnetoresistance*. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1997</b> , 3963-3970		28
182	Crystal structure and magnetic properties of a new ferrimagnetic chain containing manganese(II) and a nitronyl-nitroxide radical. Magnetic ordering in Mn(hfac)2NITR compounds. <i>Journal of Materials Chemistry</i> , <b>1994</b> , 4, 319		28
181	Switching-on luminescence in anilate-based molecular materials. <i>Dalton Transactions</i> , <b>2015</b> , 44, 15786-8023	2.3	27
180	Coprecipitation of Oxalates: An Easy and Reproducible Wet-Chemistry Synthesis Route for Transition-Metal Ferrites. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 875-887	2.3	27
179	Quantum resonance of the magnetisation in a single-crystal of Mn12-ac. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 1324-1329	2.8	27
178	Addressing individual paramagnetic molecules through ESN-STM. <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 3837-3842	2.7	27
177	Evaluating the magnetic anisotropy in molecular rare earth compounds. Gadolinium derivatives with semiquinone radical and diamagnetic analogues. <i>Chemical Physics Letters</i> , <b>2003</b> , 371, 694-699	2.5	27
176	A Novel Polymer of a Binuclear Nickel(II) Complex Bridged By 1,3-Diaminopropane: Structure and Magnetism. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 228-232	5.1	27
175	Structure and magnetism of nickel (II) and manganese (II) complexes of a nitronyl nitroxide carboxylic acid. <i>Inorganica Chimica Acta</i> , <b>1996</b> , 248, 139-146	2.7	27
174	Synthesis, structural, and magnetic studies on a redox family of tetrametallic vanadium clusters: {VIV <sub>4</sub> }, {VIII <sub>2</sub> VIV <sub>2</sub> }, and {VIII <sub>4</sub> } butterfly complexes. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 9743-53	5.1	26
173	Supramolecular interactions as determining factors of the geometry of metallic building blocks: tetracarboxylate dimanganese species. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 3429-32	16.4	26
172	Magnetic anisotropy of Mn12-acetate nanomagnets from high-field torque magnetometry. <i>Chemical Physics Letters</i> , <b>2000</b> , 322, 477-482	2.5	26
171	Optically addressable single molecule magnet behaviour of vacuum-sprayed ultrathin films. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 109-115		25
170	A novel dimer of oxo-di(acetato)-bridged manganese(III) dimers complex of potential biological significance. <i>Inorganic Chemistry Communication</i> , <b>2000</b> , 3, 361-367	3.1	25
169	A Giant Antiferromagnetic Interaction through the Bihydroxide Bridge (H <sub>3</sub> O <sub>2</sub> <sup>-</sup> ). <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 1585-1586	5.1	25
168	At the interface between organic radicals and TiO <sub>2</sub> (110) single crystals: electronic structure and paramagnetic character. <i>Chemical Communications</i> , <b>2013</b> , 49, 10103-5	5.8	24
167	Magnetic properties and cation ordering of nanopowders of the synthetic analogue of kuramite, Cu <sub>3</sub> SnS <sub>4</sub> . <i>Physics and Chemistry of Minerals</i> , <b>2011</b> , 38, 483-490	1.6	24

- 166 Thiodiacetate-manganese chemistry with N ligands: unique control of the supramolecular arrangement over the metal coordination mode. *Chemistry - A European Journal*, **2011**, 17, 10600-17 4.8 24
- 165 Towards the detection of single polychlorotriphenylmethyl radical derivatives by means of Electron Spin Noise STM. *Solid State Sciences*, **2009**, 11, 956-960 3.4 24
- 164 d- or f-Mononuclear and Related Heterodinuclear Complexes With [1+1] Asymmetric Compartmental Macrocycles. *European Journal of Inorganic Chemistry*, **2004**, 2004, 3887-3900 2.3 24
- 163 Mononuclear, dinuclear, and pentanuclear [[N,S(thiolate)]iron(II)] complexes: nuclearity control, incorporation of hydroxide bridging ligands, and magnetic behavior. *Chemistry - A European Journal*, **2005**, 11, 7328-41 4.8 24
- 162 Hydroxo-bridged Cubane-type tetrairon(II) clusters supported by sterically-hindered carboxylate ligands. *Inorganic Chemistry*, **2001**, 40, 6774-81 5.1 24
- 161 Experimental Spin Density in a Purely Organic Free Radical: Visualisation of the Ferromagnetic Exchange Pathway in p-(Methylthio)phenyl Nitronyl Nitroxide, Nit(SMe)Ph. *Chemistry - A European Journal*, **1999**, 5, 3616-3624 4.8 24
- 160 Alternating Ferro- and Antiferromagnetic Interactions in a Chainlike CuII Coordination Polymer. *Angewandte Chemie International Edition in English*, **1993**, 32, 1046-1048 24
- 159 Finite-size effects on the dynamic susceptibility of CoPhOMe single-chain molecular magnets in presence of a static magnetic field. *Physical Review B*, **2011**, 84, 3.3 23
- 158 Combined charge and spin density experimental study of the yttrium(III) semiquinonato complex Y(HBPz3)2(DTBSQ) and DFT calculations. *Journal of Physical Chemistry B*, **2005**, 109, 2723-32 3.4 23
- 157 Synthesis, structure and properties of heterotrinnuclear carboxylate complexes [Fe2M(Ca, Sr, Ba)O(CCl3COO)6(THF)n]. *Polyhedron*, **2006**, 25, 2175-2182 2.7 23
- 156 Structure and magnetic properties of a ring of four spins formed by manganese(II) and a pyridine substituted nitronyl nitroxide. *Inorganica Chimica Acta*, **1991**, 184, 67-71 2.7 23
- 155 Low-Temperature Magnetic Force Microscopy on Single Molecule Magnet-Based Microarrays. *Nano Letters*, **2017**, 17, 1899-1905 11.5 22
- 154 An Organic Spin Valve Embedding a Self-Assembled Monolayer of Organic Radicals. *Advanced Materials Interfaces*, **2016**, 3, 1500855 4.6 22
- 153 Type I Collagen and Strontium-Containing Mesoporous Glass Particles as Hybrid Material for 3D Printing of Bone-Like Materials. *Materials*, **2018**, 11, 3.5 22
- 152 Highly reduced, polyoxo(alkoxo)vanadium(III/IV) clusters. *Chemistry - A European Journal*, **2007**, 13, 6329-38 2.2
- 151 Mutual Influence of Spacer Length and Noncoordinating Anions on Thermal and Light-Induced Spin-Crossover Properties of Iron(II)Bis(tetrazol-1-yl)alkane Coordination Polymers. *European Journal of Inorganic Chemistry*, **2007**, 2007, 3047-3054 2.3 22
- 150 Synthesis, structure, magnetism, and spectroscopic properties of heterobinuclear copper(II)-zinc(II) complexes and their copper(II)-copper(II) analogues in asymmetric ligand environments. *Inorganic Chemistry*, **2004**, 43, 6015-23 5.1 22
- 149 Towards stepwise cluster assembly: a decacopper(II) complex obtained by controlled expansion of a metallasiloxane cage. *Angewandte Chemie - International Edition*, **2002**, 41, 4517-20 16.4 22

148	XMCD for monitoring exchange interactions. The role of the Gd 4f and 5d orbitals in metal-nitronyl nitroxide magnetic chains. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 8371-6	16.4	22
147	One-dimensional antiferromagnetism in a linear chain containing zinc(II) and a nitronyl nitroxide. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 1882-1886	5.1	22
146	Analysis of the electrostatics in Dy(III) single-molecule magnets: the case study of Dy(Murex) <sub>3</sub> . <i>Dalton Transactions</i> , <b>2015</b> , 44, 18270-5	4.3	21
145	Tri-, tetra- and octa-metallic vanadium(III) clusters from new, simple starting materials: interplay of exchange and anisotropy effects. <i>Dalton Transactions</i> , <b>2009</b> , 9402-9	4.3	21
144	Characterisation of the antiferromagnetic transition of Cu <sub>2</sub> FeSnS <sub>4</sub> , the synthetic analogue of stannite. <i>Physics and Chemistry of Minerals</i> , <b>2004</b> , 31, 190-193	1.6	21
143	Crystal structures, magnetic and non-linear optical properties of methoxyphenyl nitronyl nitroxide radicals. <i>Journal of Materials Chemistry</i> , <b>1994</b> , 4, 1047-1053		21
142	Recombination dynamics in CsPbBr <sub>3</sub> nanocrystals: role of surface states. <i>Optical Materials Express</i> , <b>2017</b> , 7, 4367	2.6	20
141	Synthesis, crystal structure, magnetic properties and computational study of a series of cyano-bridged Mn(III)-Fe(III) complexes. <i>CrystEngComm</i> , <b>2012</b> , 14, 7320	3.3	20
140	A DFT exploration of the organization of thiols on Au(111): a route to self-assembled monolayer of magnetic molecules. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 10747		20
139	Anion, Solvent and Time Dependence of High-Spin/Low-Spin Interactions in a 3D Coordination Polymer. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 3948-3959	2.3	20
138	An EPR and SQUID magnetometry study of bornite. <i>Physics and Chemistry of Minerals</i> , <b>2007</b> , 34, 609-619	1.6	20
137	Neutron transitions within the S=10 ground multiplet of a Fe <sub>8</sub> magnetic cluster. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	20
136	A seven-spin cluster formed by an alkyl nitronyl nitroxide biradical and copper(II): crystal structure and magnetic properties. <i>Inorganica Chimica Acta</i> , <b>1994</b> , 217, 7-13	2.7	20
135	Temperature-induced transport changes in molecular junctions based on a spin crossover complex. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5343-5347	7.1	19
134	The first 3D and trinuclear cyano-bridged Fe(III)Be(III)(CN) <sub>6</sub> complexes: structure and magnetic characterizations. <i>CrystEngComm</i> , <b>2015</b> , 17, 3082-3088	3.3	19
133	Synthesis, structure, magnetic and magnetocaloric properties of a series of {Cr(III)Ln(III)} complexes. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 3571-3577	3.6	19
132	Synthesis, crystal structure and magnetic properties of the manganese(II) chains [Mn(bipym)(NO <sub>3</sub> ) <sub>2</sub> ] and [Mn(bipym)(NCO) <sub>2</sub> ] (bipym = 2,2'-bipyrimidine). <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1997</b> , 601-606		19
131	Synthesis, crystal structure, magnetic and luminescence investigations of new 2Ln <sub>3</sub> +Er <sub>2</sub> + heteronuclear polymers with 2-furoic acid. <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 3047-3054	2.7	19

- 130 Slow quantum relaxation in a tetrairon(III) single-molecule magnet. *Inorganica Chimica Acta*, **2008**, 361, 3481-3488 2.7 19
- 129 Self-assembly of high-nuclearity metal clusters: programmed expansion of a metallasiloxane cage to an octacopper(II) cluster. *Inorganic Chemistry*, **2004**, 43, 4540-2 5.1 19
- 128 Struktur und magnetische Eigenschaften eines zwöfkernigen Eisen(III)-Clusters mit verdrehtem Ring. *Angewandte Chemie*, **1999**, 111, 1372-1374 3.6 19
- 127 Synthesis, Structure, Spectroscopic Studies and Magnetic Properties of the Tetrakis(5,7-dichloro-8-quinolinolato)gadolinium(III) Complex. *European Journal of Inorganic Chemistry*, **2008**, 2008, 3820-3826 2.3 18
- 126 The hydrogen oxalate anion allows one-dimensional columnar aggregation of organometallic sandwich cations. *New Journal of Chemistry*, **2002**, 26, 1280-1286 3.6 18
- 125 Synthesis, characterization, and magnetic properties of new homotrimeric bis(oxamato) copper(II) complexes with an asymmetric central N,N'-bridge. *Inorganica Chimica Acta*, **2007**, 360, 3777-3784 2.7 17
- 124 Synthesis and characterisation of metal oxides nanoparticles entrapped in cyclodextrin. *Journal of Physics and Chemistry of Solids*, **2004**, 65, 719-722 3.9 17
- 123 Intercalation of a nitronyl nitroxide radical into layered inorganic hosts.. *Inorganica Chimica Acta*, **2002**, 338, 127-132 2.7 17
- 122 X-ray powder and single crystal structures of two unprecedented families of bpca-based 1-D magnetic chains (Hbpca = bis(2-pyridylcarbonyl)amine). *Inorganica Chimica Acta*, **2005**, 358, 177-185 2.7 17
- 121 Short-range order of Fe<sup>2+</sup> in sphalerite by <sup>57</sup>Fe Mössbauer spectroscopy and magnetic susceptibility. *Physics and Chemistry of Minerals*, **2005**, 32, 339-348 1.6 17
- 120 Spin-Density Map of the Triplet Ground State of a Titanium(IV) Complex with Schiff-Base Diquinone Radical Ligands: An Investigation Using Polarized-Neutron Diffraction and Density-Functional Theory This work was supported by the 3MD EU network (contract ERB 4061 PL 97-0197). *Angewandte Chemie - International Edition*, **2000**, 39, 1786-1788 16.4 17
- 119 Low-lying electronic energy levels in a series of heterodinuclear complexes containing octahedral nickel(II) and tetrahedral metal(II) (copper, cobalt, and manganese) species. *Inorganic Chemistry*, **1986**, 25, 1374-1378 5.1 17
- 118 TPAP/NMO System as a Novel Method for the Synthesis of Nitronyl Nitroxide Radicals. *Synlett*, **2006**, 2006, 948-950 2.2 16
- 117 A high-nuclearity, beyond "fully reduced" polyoxo(alkoxo)vanadium(III/IV) cage. *Chemical Communications*, **2006**, 2560-2 5.8 16
- 116 Ferrimagnetic ring Mn<sub>6</sub>R<sub>6</sub> in megagauss fields. *Physical Review B*, **2003**, 67, 3.3 16
- 115 Specific heat and  $\mu$ SR measurements in Gd(hfac)<sub>3</sub>NiTiPr molecular magnetic chains: Indications for a chiral phase without long-range helical order. *Physical Review B*, **2003**, 67, 3.3 16
- 114 Enhanced hydrogen photogeneration by bulk g-CN through a simple and efficient oxidation route. *Dalton Transactions*, **2018**, 47, 6772-6778 4.3 15
- 113 Sheets of Tetranuclear Ni(II) [2 × 2] Square Grids Structure with Infinite Orthogonal Two-Dimensional Water-Chlorine Chains. *Crystal Growth and Design*, **2013**, 13, 4172-4176 3.5 15



112	CRYSTAL CHEMISTRY OF TETRAHEDRITE SOLID-SOLUTION: EPR AND MAGNETIC INVESTIGATIONS. <i>Canadian Mineralogist</i> , <b>2002</b> , 40, 837-847	0.7	15
111	Enhancement of the Magnetic Coupling in Exfoliated CrCl Crystals Observed by Low-Temperature Magnetic Force Microscopy and X-ray Magnetic Circular Dichroism. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000566	2.4	14
110	Magneto-Optical Probe for Investigation of Multiphase Fe Oxide Nanosystems. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 466-473	9.6	14
109	Patterned monolayers of nitronyl nitroxide radicals. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 3525-3528	2.7	14
108	How and why the characterization of magnetic materials can give directions in the methodological development in high field high frequency EPR. <i>Research on Chemical Intermediates</i> , <b>2002</b> , 28, 215-229	2.8	14
107	Study of the spin dynamics in an iron cluster nanomagnet by means of Mössbauer spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>1999</b> , 11, 3395-3403	1.8	14
106	Magnetic Anisotropy Drives Magnetochiral Dichroism in a Chiral Molecular Helix Probed with Visible Light. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13908-13916	16.4	14
105	Chemical state of arsenic and copper in enargite: evidences from EPR and X-ray absorption spectroscopies, and SQUID magnetometry. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , <b>2011</b> , 188, 11-19	1	13
104	Structural and magnetic properties of pure and Ca-doped LaCoO <sub>3</sub> nanopowders obtained by a sol-gel route. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 1060-7	1.3	13
103	ESR study of organic systems: ferromagnetism, antiferromagnetism, the spin-crossover effect, and fluctuations in magnetic nanodiscs. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 326, 556-562	2.8	13
102	Rational design of large-spin clusters based on the hexacopper(II) siloxanolate core. <i>Comptes Rendus Chimie</i> , <b>2003</b> , 6, 645-656	2.7	13
101	Polyoxolenes may provide a tool for designing paramagnetic molecules with predetermined spin topologies. <i>Comptes Rendus Chimie</i> , <b>2003</b> , 6, 663-676	2.7	13
100	Manganese(III)-mediated oxidative carbon-carbon bond cleavage of the 1,10-phenanthroline-5,6-dione ligand. <i>Inorganic Chemistry Communication</i> , <b>1999</b> , 2, 521-523	3.1	13
99	Magnetic and redox properties in hydroxo- and alkoxo-bridged Fe(III) binuclear complexes: A density functional study. <i>International Journal of Quantum Chemistry</i> , <b>1999</b> , 72, 61-71	2.1	13
98	Ground S = 4 state in a manganese(II)-nitronyl nitroxide ferrimagnetic ring. <i>Inorganica Chimica Acta</i> , <b>1990</b> , 172, 137-139	2.7	13
97	Sustainable Materials and their Contribution to the Sustainable Development Goals (SDGs): A Critical Review Based on an Italian Example. <i>Molecules</i> , <b>2021</b> , 26,	4.8	13
96	Electrochemical characterization of core@shell CoFe <sub>2</sub> O <sub>4</sub> /Au composite. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	12
95	A Ligand-Driven Geometry Switch in Octahedral and Trigonal-Bipyramidal Iron Complexes Containing (H)PNO and PNN Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 162-171	2.3	12

94	Experimental spin density in the high spin ground state of the Fe <sub>8</sub> pcl cluster. <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 3802-3806	2.7	12
93	Inelastic-neutron-scattering study of excited spin multiplets and low-energy phonons in the Fe <sub>8</sub> nanomagnet: Implications for relaxation. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	12
92	<sup>1</sup> H nuclear magnetic resonance and spin dynamics in the tetranuclear iron(III) cluster {Fe <sub>4</sub> }. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7173	2.5	12
91	Struktur und magnetische Eigenschaften eines zehnkernigen Oxoeisen(III)-Clusters [Ein Beitrag zum Verständnis von Aggregationsprozessen bei Eisenverbindungen. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 2862-2864	3.6	12
90	Magnetic properties of tetranuclear complexes containing exchange coupled Ln <sub>2</sub> Cu <sub>2</sub> (Ln = Gd, Dy) species. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 83, 522-524	2.8	12
89	Multiple Magnetization Reversal Channels Observed in a 3d-4f Single Molecule Magnet. <i>Magnetochemistry</i> , <b>2016</b> , 2, 27	3.1	12
88	Single molecule magnet behaviour in a rare trinuclear {Cr(III)Dy} methoxo-bridged complex. <i>Dalton Transactions</i> , <b>2015</b> , 44, 15769-73	4.3	11
87	Paramagnetic nitronyl nitroxide radicals on Al <sub>2</sub> O <sub>3</sub> (11-20) single crystals: nanoscale assembly, morphology, electronic structure, and paramagnetic character toward future applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 13006-11	9.5	11
86	Polynuclear nickel(II) complexes with salicylaldimine derivative ligands. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 394, 741-746	2.7	11
85	Paramagnetic Character in Thin Films of Metal-Free Organic Magnets Deposited on TiO <sub>2</sub> (110) Single Crystals. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 26675-26679	3.8	11
84	Tuning the magnetic properties of a new family of hybrid mixed metal oxalates having 1D magnetic chains and layers of J aggregates of [DAMS <sup>+</sup> ] producing superior SHG. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 4004-4011	2.7	11
83	Spin dynamics of the magnetic dimer [Fe(OMe)(dpm) <sub>2</sub> ] <sub>2</sub> studied using Mössbauer spectroscopy. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	11
82	Helical 1D Coordination Polymers [Structure and Magnetic Properties of catena-Poly[chloro(μ <sub>2</sub> -[(hydroxyimino)methyl]phenoxy)acetato-N,O,O <sup>+</sup> ]copper(II)]. <i>European Journal of Inorganic Chemistry</i> , <b>2002</b> , 2002, 3313-3318	2.3	11
81	Counter cation-controlled air oxidation of manganese derivatives of tetrachlorocatechol. <i>Inorganic Chemistry Communication</i> , <b>2000</b> , 3, 76-79	3.1	11
80	Crystal structure and magnetic properties of Cu(hfa) <sub>2</sub> NITPrn, a one-dimensional ferromagnet. <i>Journal of Materials Chemistry</i> , <b>1992</b> , 2, 1283		11
79	Magnetic properties of a dysprosium(III) complex with a nitronyl nitroxide. <i>Inorganica Chimica Acta</i> , <b>1989</b> , 160, 1-2	2.7	11
78	Electron spin resonance spectra of a ferromagnetic alternating spin chain (S <sub>1</sub> = $\frac{1}{2}$ , S <sub>2</sub> = $\frac{1}{2}$ ). <i>Journal of the Chemical Society Faraday Transactions I</i> , <b>1987</b> , 83, 3603		11
77	Proton nuclear magnetic resonance investigation of the spin dynamics in cobalt based one-dimensional magnetic molecular chains. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 8749-8751	2.5	10

76	Exchange interaction and spin dynamics in pentanuclear clusters, $\text{Cu}_3\text{Ln}_2(\text{ClCH}_2\text{COO})_{12}(\text{H}_2\text{O})_8$ (Ln = Nd <sup>3+</sup> , Sm <sup>3+</sup> , Pr <sup>3+</sup> ). <i>Applied Magnetic Resonance</i> , <b>2003</b> , 25, 227-247	0.8	10
75	Magnetic interactions involving rare earth ions. <i>Materials Chemistry and Physics</i> , <b>1992</b> , 31, 17-22	4.4	10
74	Pursuing the stabilisation of crystalline nanostructured magnetic manganites through a green low temperature hydrothermal synthesis. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 3359-3371	7.1	9
73	Substrate-induced effects in thin films of a potential magnet composed of metal-free organic radicals deposited on Si(111). <i>Chemical Communications</i> , <b>2014</b> , 50, 13510-3	5.8	9
72	Syntheses, Characterization, and Magnetostructural Analyses in $\mu_3$ -Acetato-Bridged Tetracopper(II) and $\mu_3$ - and $\mu_3$ ,1,3-Acetato-Bridged Pentanickel(II) Clusters. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 2753-2765	2.3	9
71	Very high field EPR study of a molecular nanomagnet. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 709-710	2.8	9
70	Validity of the classical monte carlo method to model the magnetic properties of a large transition-metal cluster: Mn <sub>19</sub> . <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 2391-3	5.1	9
69	Muon study of molecular magnets, spin crossover and magnetic nanodiscs. <i>Synthetic Metals</i> , <b>2003</b> , 133-134, 531-533	3.6	9
68	Aggregation of heptanuclear [MII <sub>7</sub> ] (M = Co, Ni, Zn) clusters by a Schiff-base ligand derived from o-vanillin: Synthesis, crystal structures and magnetic properties. <i>Polyhedron</i> , <b>2019</b> , 171, 269-278	2.7	8
67	Cobalt(II) Ions Connecting [Co] Helicates into a 2-D Coordination Polymer Showing Slow Relaxation of the Magnetization. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 11668-11675	5.1	8
66	Synthesis, Crystal Structure, and Magnetic Properties of a New Mixed Metal (Co(II), Ni(II)) Cubane. <i>Materials</i> , <b>2017</b> , 10,	3.5	8
65	Experimental validation of Villain's conjecture about magnetic ordering in quasi-1D helimagnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 1259-1261	2.8	8
64	Evidence for a helical and a chiral phase transition in the Gd(hfac) <sub>3</sub> NiTiPr magnetic specific heat. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1460-1461	2.8	8
63	Isotopic effect on the quantum tunneling of the magnetization of molecular nanomagnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 1954-1960	2.8	8
62	EPR and magnetic investigations on sulphides and sulphosalts. <i>European Journal of Mineralogy</i> , <b>2002</b> , 14, 1053-1060	2.2	8
61	One-dimensional magnetic materials with dominant next-nearest-neighbor interactions. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 5613-5615	2.5	8
60	Magnetic properties of a trinuclear complex containing exchange coupled GdCu <sub>2</sub> species. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1986</b> , 54-57, 1485-1486	2.8	8
59	Nitronyl nitroxide radicals at the interface: a hybrid architecture for spintronics. <i>Rendiconti Lincei</i> , <b>2018</b> , 29, 623-630	1.7	7

- 58 Metal-Organic Chemical Vapor Deposition (MOCVD) Synthesis of Heteroepitaxial Pr<sub>0.7</sub>Ca<sub>0.3</sub>MnO<sub>3</sub> Films: Effects of Processing Conditions on Structural/Morphological and Functional Properties. *ChemistryOpen*, **2015**, 4, 523-32 2.3 7
- 57 Interpretation of cw-ESR spectra of p-methyl-thio-phenyl-nitronyl nitroxide in a nematic liquid crystalline phase. *Physical Chemistry Chemical Physics*, **2012**, 14, 3200-7 3.6 7
- 56 Low-valent vanadium catecholate clusters. *Chemical Science*, **2010**, 1, 221 9.4 7
- 55 Novel spin dynamics in ferrimagnetic molecular chains from NMR and  $\mu$ R spin lattice relaxation measurements. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1087-1088 2.8 7
- 54 Chiral and helical phase transitions in quasi-1D molecular magnets. *Polyhedron*, **2005**, 24, 2568-2572 2.7 7
- 53 Electron transitions in magnetic clusters Mn<sub>12</sub>-Ac at submillimeter wavelengths. *Physica B: Condensed Matter*, **2000**, 284-288, 1221-1222 2.8 7
- 52 Ordered bimetallic-radical species forming low-dimensional magnetic materials. *Chemistry of Materials*, **1992**, 4, 204-209 9.6 7
- 51 Synthese, Struktur und magnetische Eigenschaften eines zweikernigen Mangan(II)-Komplexes mit einer  $\mu$ Aqua- und zwei  $\mu$ Carboxylato-Brücken. *Angewandte Chemie*, **1989**, 101, 1408-1409 3.6 7
- 50 Synthesis, spectral characterization and X-ray crystal structure of Fe(III) and Co(III) complexes with an acyclic Schiff base ligand. *Inorganica Chimica Acta*, **2013**, 406, 171-175 2.7 6
- 49 The unusual magnetic properties of kuramite-tannite pseudobinary series: a SQUID and EPR survey. *Physics and Chemistry of Minerals*, **2009**, 36, 301-309 1.6 6
- 48 High-field torque magnetometry for investigating magnetic anisotropy in Mn<sub>12</sub>-acetate nanomagnets. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 2012-2014 2.8 6
- 47 Smart Magnetic Nanocarriers for Multi-Stimuli On-Demand Drug Delivery.. *Nanomaterials*, **2022**, 12, 5.4 6
- 46 Synthesis and characterization of a family of Fe(II) tetrazole complexes [Fe(C<sub>6</sub>mtz)<sub>6</sub>]<sub>2</sub>X<sub>2</sub> (X = BF<sub>4</sub><sup>-</sup>, ClO<sub>4</sub><sup>-</sup>, PF<sub>6</sub><sup>-</sup>). *Journal of Coordination Chemistry*, **2015**, 68, 3457-3471 1.6 5
- 45 Charge compensation and magnetic properties in Sr and Cu doped La-Fe perovskites. *EPJ Web of Conferences*, **2013**, 40, 15005 0.3 5
- 44 Magnetization density in a Mn high-spin (S = 12) magnetic cluster. *Physica B: Condensed Matter*, **1997**, 241-243, 600-602 2.8 5
- 43 Local spin dynamics in magnetic molecular chains studied by NMR and  $\mu$ R. *Inorganica Chimica Acta*, **2007**, 360, 3903-3908 2.7 5
- 42 New Cyclosiloxanolate Cluster Complexes of Transition Metals. *Journal of Cluster Science*, **2007**, 18, 217-236 5
- 41 New sulfur rich lanthanide based materials: synthesis and magnetic properties. *Journal of Alloys and Compounds*, **2002**, 344, 114-119 5.7 5

40	Struktur und magnetische Eigenschaften eines Addukts aus Gadolinium-hexafluoracetylacetonat und dem Radikal 4,4,5,5-Tetramethyl-2-phenyl-4,5-dihydro-1H-imidazol-3-oxid-1-oxyl. <i>Angewandte Chemie</i> , <b>1987</b> , 99, 958-959	3.6	5
39	Promoted hydrolysis of nitriles using hydrogen peroxide: the isolation and the characterization of a paramagnetic nickel(II)-peroxoacetimido derivative. <i>Inorganica Chimica Acta</i> , <b>1988</b> , 141, 3-4	2.7	5
38	Structural Magnetic Correlations in Phase Transitions of Molecular Magnets <b>1991</b> , 215-232		5
37	Radical-Functionalised Gel: A Building-Block Strategy for Magneto-chiral Assembly. <i>ChemPlusChem</i> , <b>2013</b> , 78, 149-156	2.8	4
36	Local spin dynamics in doped cobalt(II)-radical magnetic chains studied by <sup>1</sup> H NMR. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 4107-4112	2.7	4
35	Organized single-molecule magnets: direct observation of new Mn <sub>12</sub> derivatives on gold. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E725-E726	2.8	4
34	Magnetism of Materials Formed by Metal Ions and Radicals. <i>Molecular Crystals and Liquid Crystals</i> , <b>1996</b> , 279, 177-194		4
33	Magnetic Materials Formed by Metal Ions and Nitroxides. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , <b>1989</b> , 176, 329-336		4
32	Geomaterials related to photovoltaics: a nanostructured Fe-bearing kuramite, Cu <sub>3</sub> SnS <sub>4</sub> . <i>Physics and Chemistry of Minerals</i> , <b>2016</b> , 43, 535-544	1.6	4
31	Sustainable synthesis of quaternary sulphides: The problem of the uptake of zinc in CZTS. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 775, 1221-1229	5.7	4
30	Chemisorption of nitronyl-nitroxide radicals on gold surface: an assessment of morphology, exchange interaction and decoherence time. <i>Nanoscale</i> , <b>2021</b> , 13, 7613-7621	7.7	4
29	From multidomain particles to organic radicals: The multifaceted magnetic properties of tobacco and cigarette ash. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 3882-3886	2.7	3
28	Indication for a chiral phase in the molecular magnetic chain Gd(hfac) <sub>3</sub> NiTiPr by specific heat and $\mu$ SR measurements. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 1052-1053	2.8	3
27	Supramolecular Interactions as Determining Factors of the Geometry of Metallic Building Blocks: Tetracarboxylate Dimanganese Species. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 3495-3498	3.6	3
26	Spin density in a ferromagnetic nitronyl nitroxide free radical. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 267-268, 51-55	2.8	3
25	The Synthesis and Study of Tetranuclear Cluster [Fe <sub>4</sub> O <sub>2</sub> (CCL <sub>3</sub> COO) <sub>8</sub> (THF) <sub>2</sub> (DMF)(H <sub>2</sub> O)] <sub>2</sub> ·THF. <i>Chemistry Journal of Moldova</i> , <b>2006</b> , 1, 77-83	0.9	3
24	Self Standing Mats of Blended Polyaniline Produced by Electrospinning. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
23	Self-assembly of a terbium(III) 1D coordination polymer on mica. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 2440-2448	3	3

22	High temperature spin dynamics in linear magnetic chains, molecular rings, and segments by nuclear magnetic resonance. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17B308	2.5	2
21	Local spin dynamics at low temperature in the slowly relaxing molecular chain [Dy(hfac) <sub>3</sub> {NIT(C <sub>6</sub> H <sub>4</sub> OPh)}]: A $\mu$ spin relaxation study. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17B310	2.5	2
20	Proton NMR study of spin dynamics in the magnetic organic chains M(hfac) <sub>3</sub> NITet (M=Eu <sup>3+</sup> ,Gd <sup>3+</sup> ). <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	2
19	X-ray magnetic circular dichroism investigation of the superparamagnetic transition-metal ion-cluster r-Mn <sub>12</sub> Bz. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 3887-3890	2.7	2
18	Spin-Density Map of the Triplet Ground State of a Titanium(IV) Complex with Schiff-Base Diquinone Radical Ligands: An Investigation Using Polarized-Neutron Diffraction and Density-Functional Theory. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 1856-1858	3.6	2
17	<sup>1</sup> H NMR characterization of paramagnetic dinuclear nickel(II) macrocyclic derivatives. <i>Inorganica Chimica Acta</i> , <b>1985</b> , 107, L23-L27	2.7	2
16	Lanthanide Complexes with a Tripodal Nitroxyl Radical Showing Strong Magnetic Coupling. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 16591-16598	5.1	2
15	Electron-paramagnetic resonance detection with software time locking. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 024703	1.7	1
14	Magnetic anisotropy and spin fluctuations in the paramagnetic dimer : Mössbauer spectroscopy and ab initio calculations. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2008</b> , 320, 898-905	2.8	1
13	Pulsed field studies on the quantum nanomagnet Mn <sub>12</sub> Ac. <i>Physica B: Condensed Matter</i> , <b>2001</b> , 294-295, 307-309	2.8	1
12	Synthesis of High-Spin Molecular Species Using Nitroxide Organic Radicals and Transition Metal Ions. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , <b>1989</b> , 176, 337-345		1
11	Engineering Chemisorption of Fe <sub>4</sub> Single-Molecule Magnets on Gold. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2101182	4.6	1
10	Magnetic Molecular Materials <b>1992</b> , 147-160		1
9	Molecular Magnetic Clusters: a Bridge Between Molecules and Classical Magnets <b>1999</b> , 369-388		1
8	Quasi-Hexagonal to Lepidocrocite-like Transition in TiO <sub>2</sub> Ultrathin Films on Cu(001). <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 10621-10630	3.8	1
7	Optimisation of Thiourea Concentration in a Decorative Copper Plating Acid Bath Based on Methanesulfonic Electrolyte. <i>Coatings</i> , <b>2022</b> , 12, 376	2.9	1
6	Investigation of a Tetrathiafulvalene-Based Fe <sup>2+</sup> Thermal Spin Crossover Assembled on Gold Surface. <i>Magnetochemistry</i> , <b>2022</b> , 8, 14	3.1	0
5	Tripodal Oxazolidine-N-Oxyl Diradical Complexes of Dy <sup>3+</sup> and Eu <sup>3+</sup> . <i>Inorganics</i> , <b>2021</b> , 9, 91	2.9	0

- 4 A capacitive probe for Electron Spin Resonance detection. *Journal of Magnetic Resonance*, **2016**, 263, 116-121 3
- 3 On the way to the magneto-optical characterization of trinuclear CuII-CuII-CuII bis(oxamato) complexes. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2008**, 634, 2063-2063 1.3
- 2 Multifunctional Dy(hfa)3 polymer adducts: synthesis and magnetic/luminescent behaviour. *Inorganica Chimica Acta*, **2022**, 120851 2.7
- 1 Carboxylate Substitution Pattern as Structural Directive for the Final Products: Synthesis, Structure And Properties of [Fe4Ca2O2(μ-HCCl2COO)10(β-HCCl2COO)2(THF)6]. *Chemistry Journal of Moldova*, **2008**, 3, 81-85 0.9