

Dante Gatteschi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4722033/publications.pdf>

Version: 2024-02-01

311
papers

36,018
citations

5261

83
h-index

4223

174
g-index

364
all docs

364
docs citations

364
times ranked

12639
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Tunneling of Magnetization and Related Phenomena in Molecular Materials. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 268-297.	7.2	2,637
2	High-spin molecules: [Mn ₁₂ O ₁₂ (O ₂ CR) ₁₆ (H ₂ O) ₄]. <i>Journal of the American Chemical Society</i> , 1993, 115, 1804-1816.	6.6	2,156
3	Magnetism of Lanthanides in Molecular Materials with Transition-Metal Ions and Organic Radicals. <i>Chemical Reviews</i> , 2002, 102, 2369-2388.	23.0	1,512
4	Single-Molecule Magnets. <i>MRS Bulletin</i> , 2000, 25, 66-71.	1.7	1,451
5	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1760-1763.	7.2	1,074
6	Magnetic memory of a single-molecule quantum magnet wired to a gold surface. <i>Nature Materials</i> , 2009, 8, 194-197.	13.3	999
7	Lanthanides in molecular magnetism: old tools in a new field. <i>Chemical Society Reviews</i> , 2011, 40, 3092.	18.7	963
8	Alternating current susceptibility, high field magnetization, and millimeter band EPR evidence for a ground S = 10 state in [Mn ₁₂ O ₁₂ (CH ₃ COO) ₁₆ (H ₂ O) ₄].2CH ₃ COOH.4H ₂ O. <i>Journal of the American Chemical Society</i> , 1991, 113, 5873-5874.	6.6	899
9	Toward molecular magnets: the metal-radical approach. <i>Accounts of Chemical Research</i> , 1989, 22, 392-398.	7.6	826
10	A Family of Rare-Earth-Based Single Chain Magnets: Playing with Anisotropy. <i>Journal of the American Chemical Society</i> , 2006, 128, 7947-7956.	6.6	498
11	Molecular Magnetism: A basis for new materials. <i>Advanced Materials</i> , 1994, 6, 635-645.	11.1	490
12	[Fe(OMe) ₂ (O ₂ CCH ₂ Cl)] ₁₀ , a Molecular Ferric Wheel. <i>Journal of the American Chemical Society</i> , 1994, 116, 823-832.	6.6	448
13	Electron Paramagnetic Resonance of Exchange Coupled Systems. , 1990, , .		446
14	Molecular Engineering for Single-Chain-Magnet Behavior in a One-Dimensional Dysprosium-Nitronyl Nitroxide Compound. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5817-5821.	7.2	430
15	Single chain magnets: where to from here?. <i>Journal of Materials Chemistry</i> , 2008, 18, 4750.	6.7	380
16	Quantentunneln der Magnetisierung und verwandte Phänomene in molekularen Materialien. <i>Angewandte Chemie</i> , 2003, 115, 278-309.	1.6	368
17	High-frequency EPR spectra of a molecular nanomagnet: Understanding quantum tunneling of the magnetization. <i>Physical Review B</i> , 1997, 56, 8192-8198.	1.1	364
18	Cyanide-Bridged Iron(III)-Cobalt(II) Double Zigzag Ferromagnetic Chains: Two New Molecular Magnetic Nanowires. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1483-1486.	7.2	353

#	ARTICLE	IF	CITATIONS
19	Single-molecule magnets based on iron(III) oxo clusters. <i>Chemical Communications</i> , 2000, , 725-732.	2.2	349
20	Quinonoid Metal Complexes: Toward Molecular Switches. <i>Accounts of Chemical Research</i> , 2004, 37, 827-835.	7.6	337
21	Synthesis, crystal structure, and magnetic properties of tetranuclear complexes containing exchange-coupled dilanthanide-dicopper(lanthanide = gadolinium, dysprosium) species. <i>Inorganic Chemistry</i> , 1990, 29, 1750-1755.	1.9	249
22	Magnetic Anisotropy of Dysprosium(III) in a Low-Symmetry Environment: A Theoretical and Experimental Investigation. <i>Journal of the American Chemical Society</i> , 2009, 131, 5573-5579.	6.6	249
23	Water-Dispersible Sugar-Coated Iron Oxide Nanoparticles. An Evaluation of their Relaxometric and Magnetic Hyperthermia Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 10459-10472.	6.6	236
24	Neutron Spectroscopy for the Magnetic Anisotropy of Molecular Clusters. <i>Physical Review Letters</i> , 1998, 81, 4744-4747.	2.9	222
25	A rational approach to the modulation of the dynamics of the magnetisation in a dysprosium nitronyl-nitroxide radical complex. <i>Chemical Communications</i> , 2007, , 1807-1809.	2.2	216
26	Spectral-structural correlations in high-spin cobalt(II) complexes. , 1982, , 37-86.		209
27	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> , 2006, 128, 4742-4755.	6.6	205
28	Effects of 3d-4f Magnetic Exchange Interactions on the Dynamics of the Magnetization of DyIII-MII-DyIII Trinuclear Clusters. <i>Chemistry - A European Journal</i> , 2007, 13, 1602-1609.	1.7	203
29	Towards nanostructured arrays of single molecule magnets: new Fe ₁₉ oxyhydroxide clusters displaying high ground state spins and hysteresis. <i>Dalton Transactions RSC</i> , 2000, , 1835-1840.	2.3	200
30	Magnetic Anisotropy of the Antiferromagnetic Ring [Cr ₈ F ₈ Piv ₁₆]. <i>Chemistry - A European Journal</i> , 2002, 8, 277-285.	1.7	194
31	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> , 1988, 110, 2795-2799.	6.6	191
32	Direct Observation of Single-Molecule Magnets Organized on Gold Surfaces. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1645-1648.	7.2	190
33	Synthesis, Structural Characterization, Magnetic Behavior, and Single Crystal EPR Spectra of Three New One-Dimensional Manganese Azido Systems with FM, Alternating FM-AF, and AF Coupling. <i>Inorganic Chemistry</i> , 1999, 38, 5716-5723.	1.9	177
34	Molecule-based magnets. <i>Chemical Society Reviews</i> , 2011, 40, 3065.	18.7	176
35	Structure and magnetic properties of ferrimagnetic chains formed by manganese(II) and nitronyl nitroxides. <i>Inorganic Chemistry</i> , 1988, 27, 1756-1761.	1.9	172
36	Linear-chain gadolinium(III) nitronyl nitroxide complexes with dominant next-nearest-neighbor magnetic interactions. <i>Inorganic Chemistry</i> , 1990, 29, 4223-4228.	1.9	170

#	ARTICLE	IF	CITATIONS
37	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> , 1996, 2, 1379-1387.	1.7	153
38	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> , 1989, 28, 1976-1980.	1.9	150
39	High-Frequency EPR Spectra of $[\text{Fe}_8\text{O}_2(\text{OH})_{12}(\text{tacn})_6]\text{Br}_8$: A Critical Appraisal of the Barrier for the Reorientation of the Magnetization in Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2000, 6, 1608-1614.	1.7	147
40	Ferromagnetic alternating spin chains. <i>Journal of the American Chemical Society</i> , 1987, 109, 2191-2192.	6.6	145
41	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> , 2009, , 3153.	1.6	145
42	Magnetic properties of high-nuclearity spin clusters. Fourteen- and fifteen-oxovanadium(IV) clusters. <i>Journal of the American Chemical Society</i> , 1992, 114, 8509-8514.	6.6	142
43	Electronic Structure of Manganese(III) Compounds from High-Frequency EPR Spectra. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2329-2331.	4.4	141
44	Magnetic interactions and magnetic ordering in rare earth metal nitronyl nitroxide chains. <i>Inorganic Chemistry</i> , 1993, 32, 4797-4801.	1.9	139
45	Structure and magnetic ordering of a ferrimagnetic helix formed by manganese(II) and a nitronyl nitroxide radical. <i>Inorganic Chemistry</i> , 1991, 30, 3936-3941.	1.9	138
46	Ferromagnetic Coupling between Semiquinone Type Tridentate Radical Ligands Mediated by Metal Ions. <i>Journal of the American Chemical Society</i> , 1994, 116, 1388-1394.	6.6	136
47	Synthesis, Reactivity, and Catalytic Behavior of Iron/Zinc-Containing Species Involved in Oxidation of Hydrocarbons under Gif-Type Conditions. <i>Journal of the American Chemical Society</i> , 1997, 119, 7030-7047.	6.6	136
48	Energy-Barrier Enhancement by Ligand Substitution in Tetrairon(III) Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1136-1139.	7.2	134
49	Single molecule magnet behaviour in robust dysprosium(III) biradical complexes. <i>Chemical Communications</i> , 2010, 46, 6458.	2.2	134
50	Ferromagnetic phase transitions of two one-dimensional ferrimagnets formed by manganese(II) and nitronyl nitroxides cis octahedrally coordinated. <i>Inorganic Chemistry</i> , 1989, 28, 3314-3319.	1.9	132
51	Antiferromagnetic Coupling in a Gadolinium(III) Semiquinonato Complex. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 246-248.	7.2	130
52	XAS and XMCD Investigation of Mn ₁₂ Monolayers on Gold. <i>Chemistry - A European Journal</i> , 2008, 14, 7530-7535.	1.7	122
53	Organizing and Addressing Magnetic Molecules. <i>Inorganic Chemistry</i> , 2009, 48, 3408-3419.	1.9	122
54	Synthesis, crystal structures and magnetic characterization of four μ^2 -diketonate-alkoxide iron(III) dimers. Dependence of the magnetic properties on geometrical and electronic parameters. <i>Inorganica Chimica Acta</i> , 1997, 262, 123-132.	1.2	120

#	ARTICLE	IF	CITATIONS
55	The Magnetic Möbius Strip: Synthesis, Structure, and Magnetic Studies of Odd-Numbered Antiferromagnetically Coupled Wheels. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5196-5200.	7.2	120
56	High-Frequency EPR Spectroscopy of Large Metal Ion Clusters: From Zero Field Splitting to Quantum Tunneling of the Magnetization. <i>Accounts of Chemical Research</i> , 1998, 31, 460-466.	7.6	119
57	Molecular (Nano) Magnets as Test Grounds of Quantum Mechanics. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11852-11858.	7.2	118
58	Structure and magnetic properties of linear-chain complexes of rare-earth ions (gadolinium,). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T</i>	1.9	117
59	Gadolinium(III) complexes with pyridine-substituted nitronyl nitroxide radicals. <i>Inorganic Chemistry</i> , 1992, 31, 741-746.	1.9	117
60	X.alpha.-SW calculations of the electronic structure and magnetic properties of weakly coupled transition-metal clusters. The [Cu ₂ Cl ₆] ²⁻ dimers. <i>Journal of the American Chemical Society</i> , 1986, 108, 5763-5771.	6.6	116
61	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> , 1988, 27, 1031-1035.	1.9	116
62	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> , 1989, 28, 2940-2944.	1.9	114
63	Circular Magnetoplasmonic Modes in Gold Nanoparticles. <i>Nano Letters</i> , 2013, 13, 4785-4789.	4.5	113
64	Structure and Magnetic Properties of a Mixed-Valence Heptanuclear Manganese Cluster. <i>Inorganic Chemistry</i> , 1998, 37, 3759-3766.	1.9	106
65	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> , 2002, 8, 286-292.	1.7	103
66	EPR of molecular nanomagnets. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1514-1529.	9.5	102
67	Anchoring Molecular Magnets on the Si(100) Surface. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4081-4084.	7.2	101
68	Roles of Bridging Ligand Topology and Conformation in Controlling Exchange Interactions between Paramagnetic Molybdenum Fragments in Dinuclear and Trinuclear Complexes. <i>Inorganic Chemistry</i> , 1997, 36, 3447-3454.	1.9	99
69	Structure and Magnetic Properties of a Dodecanuclear Twisted-Ring Iron(III) Cluster. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1295-1297.	7.2	98
70	Magnetic phase transitions in manganese(II) pentafluorobenzoate adducts with nitronyl nitroxides. <i>Journal of the American Chemical Society</i> , 1989, 111, 785-786.	6.6	97
71	Magnetic molecular materials. <i>Current Opinion in Solid State and Materials Science</i> , 1996, 1, 192-198.	5.6	96
72	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> , 2007, 129, 9410-9420.	6.6	96

#	ARTICLE	IF	CITATIONS
73	Oxidation reaction of $[Cu(Hpz)2Cl]2$ (Hpz = pyrazole): synthesis of the trinuclear copper(II) hydroxo complexes $[Cu3(OH)(pz)3(Hpz)2Cl2] \cdot solv$ (solv = H ₂ O or tetrahydrofuran). Formation, magnetic properties, and X-ray crystal structure of $[Cu3(OH)(pz)3(py)2Cl2] \cdot py$ (py = pyridine). <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 3305-3309.	1.1	94
74	Effects of Systematic Variation in Bridging Ligand Structure on the Electrochemical and Magnetic Properties of a Series of Dinuclear Molybdenum Complexes. <i>Inorganic Chemistry</i> , 1996, 35, 2701-2703.	1.9	92
75	A Ferromagnetic Ring of Six Manganese(III) Ions with a S= 12 Ground State. <i>Inorganic Chemistry</i> , 1998, 37, 1430-1431.	1.9	92
76	Structure and magnetic properties of a chain compound formed by copper(II) and a tridentate nitronyl nitroxide radical. <i>Inorganic Chemistry</i> , 1991, 30, 3162-3166.	1.9	91
77	Magnetism of Cyano-Bridged Hetero-One-Dimensional Ln ³⁺ M ³⁺ Complexes (Ln ³⁺ = Sm, Gd, Yb; M ³⁺ =) Tj ETQq1,1 0.784314 rgBT (0	1.9	90
78	Tetraoxolene radical stabilization by the interaction with transition-metal ions. <i>Inorganic Chemistry</i> , 1991, 30, 2589-2594.	1.9	89
79	The Origin of Transverse Anisotropy in Axially Symmetric Single Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2007, 129, 10754-10762.	6.6	89
80	Polyoxovanadates: The missing link between simple paramagnets and bulk magnets?. <i>Molecular Engineering</i> , 1993, 3, 157-169.	0.2	88
81	Modulated Magnetic Coupling in Alkoxoiron(III) Rings by Host-Guest Interactions with Alkali Metal Cations. <i>Inorganic Chemistry</i> , 1997, 36, 6443-6446.	1.9	88
82	Dynamical Formation of Spatially Localized Arrays of Aligned Nanowires in Plastic Films with Magnetic Anisotropy. <i>ACS Nano</i> , 2010, 4, 1873-1878.	7.3	87
83	Molecule-Based Magnets: Ferro- and Antiferromagnetic Interactions in Copper(II)-Polyorganosiloxanolate Clusters. <i>Inorganic Chemistry</i> , 1996, 35, 4427-4431.	1.9	86
84	Isolated single-molecule magnets on native gold. <i>Chemical Communications</i> , 2005, , 1640.	2.2	86
85	Synthesis, redox behavior, magnetic properties, and crystal structure of a nickel(II)-semiquinone adduct with an unusually strong ferromagnetic coupling. <i>Inorganic Chemistry</i> , 1988, 27, 2831-2836.	1.9	85
86	Synthesis and Reaction of $[HC(CMeNAr)2Mn]2$ (Ar = 2,6-iPr ₂ C ₆ H ₃): 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> , 2005, 127, 9201-9206.	6.6	85
87	Ferro- and antiferromagnetic coupling between metal ions and pyridine-substituted nitronyl nitroxides. <i>Inorganic Chemistry</i> , 1990, 29, 4217-4223.	1.9	84
88	X-Ray Magnetic Circular Dichroism Picks out Single-Molecule Magnets Suitable for Nanodevices. <i>Advanced Materials</i> , 2009, 21, 167-171.	11.1	83
89	Top-down synthesis of multifunctional iron oxide nanoparticles for macrophage labelling and manipulation. <i>Journal of Materials Chemistry</i> , 2011, 21, 3803.	6.7	82
90	High-Frequency EPR Spectra for the Analysis of Magnetic Anisotropy in Large Magnetic Clusters. <i>Journal of the American Chemical Society</i> , 1995, 117, 8855-8856.	6.6	81

#	ARTICLE	IF	CITATIONS
91	Antiferromagnetic Coupling in a Six-Coordinate High Spin Cobalt(II) Semiquinonato Complex. <i>Inorganic Chemistry</i> , 2002, 41, 3508-3512.	1.9	80
92	Crystal structure and magnetic properties of a copper(II) chloride nitronyl nitroxide complex containing six exchange-coupled $S = 1/2$ spins. <i>Inorganic Chemistry</i> , 1990, 29, 1756-1760.	1.9	79
93	Giant Clusters with Unusual Electronic and Magnetic Structures Due to Open Shell Metal Centers Embedded Far Apart from Each Other: A Spin Frustration and Antisymmetric Exchange. <i>Inorganic Chemistry</i> , 1996, 35, 1926-1934.	1.9	79
94	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 1521-1524.	1.6	79
95	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. <i>Journal of Molecular Structure</i> , 2003, 656, 141-154.	1.8	79
96	Ferromagnetic order in the sulfur-containing nitronyl nitroxide radical, 2-(4-thiomethyl)phenyl-4,4,5,5-tetramethylimidazoline-1-oxyl-3-oxide, NIT(SMe)Ph. <i>Advanced Materials</i> , 1995, 7, 476-478.	11.1	78
97	Magnetization Density in an Iron(III) Magnetic Cluster. A Polarized Neutron Investigation. <i>Journal of the American Chemical Society</i> , 1999, 121, 5342-5343.	6.6	78
98	Manganese(III) Formate: A Three-Dimensional Framework That Traps Carbon Dioxide Molecules. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1780-1782.	7.2	77
99	Theoretical Study of the Magnetic Behavior of Hexanuclear Cu(II) and Ni(II) Polysiloxanolato Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 6791-6794.	6.6	77
100	Preparation of Novel Materials Using SMMs. , 0, , 133-161.		77
101	One-dimensional magnetism of a linear chain compound containing yttrium(III) and a nitronyl nitroxide radical. <i>Inorganic Chemistry</i> , 1989, 28, 3230-3234.	1.9	76
102	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. <i>Inorganic Chemistry</i> , 1990, 29, 4228-4234.	1.9	76
103	Molecular magnetism, status and perspectives. <i>Solid State Sciences</i> , 2008, 10, 1701-1709.	1.5	75
104	Magnetic properties of isostructural dodecanuclear polyoxovanadates with six and eight vanadium(IV) ions. <i>Inorganic Chemistry</i> , 1993, 32, 2114-2117.	1.9	74
105	Molecular nanomagnets: the first 10 years. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1030-1036.	1.0	74
106	Evidence of intermolecular π -stacking enhancement of second-harmonic generation in a family of single chain magnets. <i>Journal of Materials Chemistry</i> , 2006, 16, 2587-2592.	6.7	74
107	Electronic Influence of the Thienyl Sulfur Atom on the Oligomerization of Ethylene by Cobalt(II) 6-(Thienyl)-2-(imino)pyridine Catalysis. <i>Organometallics</i> , 2007, 26, 726-739.	1.1	74
108	Magnetic ordering in a molecular material containing dysprosium(III) and a nitronyl nitroxide. <i>Advanced Materials</i> , 1992, 4, 504-505.	11.1	73

#	ARTICLE	IF	CITATIONS
109	Self-Assembled Organic Radicals on Au(111) Surfaces: A Combined ToF-SIMS, STM, and ESR Study. <i>Langmuir</i> , 2007, 23, 2389-2397.	1.6	73
110	Synthesis and characterization of 1,8-naphthyridine complexes of 1.5-valent nickel. <i>Inorganic Chemistry</i> , 1974, 13, 1985-1991.	1.9	72
111	Density Functional Modeling of Long Range Magnetic Interactions in Binuclear Oxomolybdenum(V) Complexes. <i>Journal of Physical Chemistry A</i> , 1998, 102, 10545-10551.	1.1	72
112	Advances in Single-Molecule Magnet Surface Patterning through Microcontact Printing. <i>Nano Letters</i> , 2005, 5, 1435-1438.	4.5	72
113	Tuning of Magnetic Anisotropy in Hexairon(III) Rings by Host-Guest Interactions: An Investigation by High-Field Torque Magnetometry. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2264-2266.	7.2	70
114	Magnetic properties of Fe^{3+} - $\text{Fe}_2\text{O}_3/\text{SiO}_2$ aerogel and xerogel nanocomposite materials. <i>Journal of Materials Chemistry</i> , 2001, 11, 3180-3187.	6.7	69
115	Antiferromagnetic coupling between rare earth ions and semiquinones in a series of 1:1 complexes. <i>Dalton Transactions</i> , 2004, , 1048-1055.	1.6	69
116	Ordering Magnetic Molecules within Nanoporous Crystalline Polymers. <i>Chemistry of Materials</i> , 2009, 21, 4750-4752.	3.2	69
117	A Mn II Cu II Mn II trinuclear species with an $S = 9/2$ ground state. <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 1300.	2.0	68
118	Structure and magnetic properties of ferromagnetic alternating spin chains. <i>Inorganic Chemistry</i> , 1990, 29, 2582-2587.	1.9	66
119	Magnetic properties of a layered molecular material comprising manganese hexafluoroacetylacetonate and nitronyl nitroxide radicals. <i>Inorganic Chemistry</i> , 1993, 32, 4612-4616.	1.9	65
120	Exploring the No-Man's Land between Molecular Nanomagnets and Magnetic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4792-4800.	7.2	65
121	Magnetic properties and phase transitions in molecular based materials containing rare earth ions and organic radicals (invited). <i>Journal of Applied Physics</i> , 1993, 73, 5333-5337.	1.1	64
122	Electronic structure and reactivity of dioxolene adducts of nickel(II) and copper(II) triazamacrocyclic complexes. <i>Inorganic Chemistry</i> , 1990, 29, 3409-3415.	1.9	63
123	Synthesis, Structure and Magnetic Properties of a Dinuclear Manganese(II) Complex with One μ -Aqua and Two μ -Carboxylato Bridges. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1365-1367.	4.4	61
124	Spontaneous Symmetry Breaking in the Formation of a Dinuclear Gadolinium Semiquinonato Complex: Synthesis, High-Field EPR Studies, and Magnetic Properties. <i>Chemistry - A European Journal</i> , 2000, 6, 4580-4586.	1.7	59
125	Single-Ion versus Dipolar Origin of the Magnetic Anisotropy in Iron(III)-Oxo Clusters: A Case Study. <i>Chemistry - A European Journal</i> , 2001, 7, 1796-1807.	1.7	59
126	Single-Crystal High-Frequency Electron Paramagnetic Resonance Investigation of a Tetranuclear Iron(III) Single-Molecule Magnet. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2658-2663.	1.2	58

#	ARTICLE	IF	CITATIONS
127	Thermal Deposition of Intact Tetrairon(III) Single-Molecule Magnets in High-Vacuum Conditions. <i>Small</i> , 2009, 5, 1460-1466.	5.2	58
128	A unique heteropentanuclear $\text{Cu}_2\text{Co}_2\text{Ni}_2$ complex, synthesised from metallic Cu and Co acetate in the presence of triethanolamine. Magnetic properties and a strong H-bond stabilised lattice. <i>New Journal of Chemistry</i> , 2001, 25, 685-689.	1.4	57
129	Nanosized Iron Oxide Particles Entrapped in Pseudo-Single Crystals of β -Cyclodextrin. <i>Chemistry of Materials</i> , 2004, 16, 2016-2020.	3.2	57
130	Anisotropic dysprosium. <i>Nature Chemistry</i> , 2011, 3, 830-830.	6.6	57
131	EPR spectra of trinuclear complexes. Octachlorodiadeniniumtricopper(II) tetrahydrate. <i>Inorganic Chemistry</i> , 1983, 22, 2681-2683.	1.9	56
132	Six-coordinate copper complexes with $g < g$ in the solid state. <i>Coordination Chemistry Reviews</i> , 1979, 29, 67-84.	9.5	55
133	Exchange interactions in bis(hexafluoroacetylacetonato)(4-hydroxy-2,2,6,6-tetramethylpiperidinyloxy)copper(II): a nitroxyl radical complex of copper(II). <i>Journal of the American Chemical Society</i> , 1984, 106, 5813-5818.	6.6	55
134	Molecular magnets and surfaces: A promising marriage. A DFT insight. <i>Coordination Chemistry Reviews</i> , 2015, 289-290, 357-378.	9.5	55
135	A linear chain with alternating ferromagnetic and antiferromagnetic exchange: $\text{Cu}(\text{hfac})_2 \cdot \text{TEMPOL}$. <i>Journal of the American Chemical Society</i> , 1985, 107, 2560-2561.	6.6	53
136	Dinuclear ruthenium complexes with bridging 1,4,5,8-tetraoxonaphthalene: redox properties and mixed-valence interactions. <i>Inorganic Chemistry</i> , 1990, 29, 1442-1444.	1.9	52
137	Magnetic properties of a dodecanuclear polyoxovanadate with exchange and electron delocalization effects. <i>Inorganic Chemistry</i> , 1992, 31, 5132-5134.	1.9	52
138	Electrochemical and Magnetic Exchange Interactions in Trinuclear Chain Complexes Containing Oxo-Mo(V) Fragments as a Function of the Topology of the Bridging Ligand. <i>Inorganic Chemistry</i> , 1999, 38, 365-369.	1.9	52
139	Electronic and CD spectra of catecholate and semiquinonate adducts of zinc(II) and nickel(II) tetraazamacrocyclic complexes. <i>Inorganic Chemistry</i> , 1989, 28, 1476-1480.	1.9	51
140	Magnetically induced optical bi-stability of the molecular nanomagnet $\text{Mn}_{12}\text{O}_{12}(\text{OOCMe})_{16}(\text{H}_2\text{O})_4$ in an organic glass. <i>Chemical Communications</i> , 1997, , 1677-1678.	2.2	51
141	Investigation of magnetic interaction pathways by experimental electron density measurements: application to an organic free radical, <i>p</i> -(methylthio)phenyl nitronyl nitroxide. <i>New Journal of Chemistry</i> , 2001, 25, 131-143.	1.4	51
142	Magnetic Interactions and Magnetic Anisotropy in Exchange Coupled $4f \leftrightarrow 3d$ Systems: A Case Study of a Heterodinuclear $\text{Ce}^{3+} \leftrightarrow \text{Fe}^{3+}$ Cyanide-Bridged Complex. <i>Chemistry - A European Journal</i> , 2009, 15, 1377-1388.	1.7	51
143	Molecular structure and magnetic properties of copper(II), manganese(II) and iron(II) croconate tri-hydrate. <i>Inorganica Chimica Acta</i> , 1993, 212, 87-94.	1.2	50
144	Spin frustration effects in an odd-member antiferromagnetic ring and the magnetic Möbius strip. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 55-60.	1.0	50

#	ARTICLE	IF	CITATIONS
145	New Single-Molecule Magnets by Site-Specific Substitution: Incorporation of "Alligator Clips" into Fe ₄ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4145-4152.	1.0	50
146	Crystal and molecular structure, magnetic properties and EPR spectra of a trinuclear copper(II) complex with bridging nitronyl nitroxides. <i>Inorganic Chemistry</i> , 1988, 27, 2390-2392.	1.9	49
147	Molecule-Based Magnets: Ferro- and Antiferromagnetic Interactions in Nickel(II) Cyclohexasiloxanolate Sandwich Complexes. <i>Inorganic Chemistry</i> , 1995, 34, 5383-5387.	1.9	49
148	Supramolecular interactions and magnetism of metal-radical chains. <i>Dalton Transactions RSC</i> , 2000, , 3907-3912.	2.3	49
149	First evidence of natural superconductivity: covellite. <i>European Journal of Mineralogy</i> , 2006, 18, 283-287.	0.4	49
150	Spin noise fluctuations from paramagnetic molecular adsorbates on surfaces. <i>Journal of Applied Physics</i> , 2007, 101, 053916.	1.1	48
151	The power of EPR techniques in revealing active sites in heterogeneous photocatalysis: The case of anion doped TiO ₂ . <i>Catalysis Today</i> , 2013, 206, 2-11.	2.2	48
152	Synthesis, structure and EPR studies of mixed hexafluoroacetylacetonatecopper(II) Complexes with some Diimine Ligands. <i>Inorganica Chimica Acta</i> , 1989, 162, 97-103.	1.2	47
153	Ferromagnetic coupling of gadolinium(III) ions and nitronyl nitroxide radicals in an essentially isotropic way. <i>Inorganic Chemistry</i> , 1990, 29, 4153-4155.	1.9	47
154	Magnetic and spectral properties of paramagnetic metal-ion polyoxolene radical complexes. <i>Inorganica Chimica Acta</i> , 1992, 198-200, 813-822.	1.2	47
155	Slow Magnetic Relaxation of [Et ₃ NH] ₂ Mn(CH ₃ CN) ₄ (H ₂ O) ₂ [Mn ₁₀ O ₄ (biphen) ₄ Br ₁₂] (biphen=2,2'-biphenoxide) at Very Low Temperature. <i>Journal of Solid State Chemistry</i> , 1999, 145, 484-487.	1.4	47
156	High-Frequency EPR Spectra of [Fe ₈ O ₂ (OH) ₁₂ (tacn) ₆]Br ₈ : A Critical Appraisal of the Barrier for the Reorientation of the Magnetization in Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2000, 6, 1608-1614.	1.7	47
157	Tuning the Magnetic Properties of the High-Spin Molecular Cluster Fe ₈ . <i>ChemPhysChem</i> , 2001, 2, 523-531.	1.0	47
158	Redox potentials and charge transfer spectra of catecholate and semiquinone adducts of a cobalt-tetraazamacrocyclic complex. <i>Inorganica Chimica Acta</i> , 1989, 163, 99-104.	1.2	46
159	Structure and Magnetic Properties of a Decanuclear Oxoiron(III) Cluster: A Further Step to Understanding Iron Aggregation Processes. <i>Angewandte Chemie International Edition in English</i> , 1996, 34, 2716-2718.	4.4	46
160	Synthesis, crystal structure and magnetic properties of the tetranuclear complex [Ni ₄ (OCH ₃) ₄ (dbm) ₄ (CH ₃ OH) ₄]2(C ₂ H ₅) ₂ O. <i>Inorganica Chimica Acta</i> , 1996, 247, 231-235.	1.2	45
161	A Shortcut To Organize Self-Assembled Monolayers of Cobalt Ferrite Nanoparticles on Silicon. <i>Chemistry of Materials</i> , 2007, 19, 5980-5985.	3.2	43
162	Crystal structure, magnetic properties, and single-crystal EPR spectra of a copper-nickel [CuNi] ₂ bis heterobinuclear compound: complementarity of the magnetic and EPR techniques. <i>Journal of the American Chemical Society</i> , 1985, 107, 6305-6312.	6.6	42

#	ARTICLE	IF	CITATIONS
163	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> , 1992, , 630.	2.0	42
164	Synergistic Role of B and F Dopants in Promoting the Photocatalytic Activity of <i>Rutile</i> TiO ₂ . <i>ChemPhysChem</i> , 2011, 12, 2221-2224.	1.0	42
165	Delocalization and exchange effects in high-nuclearity vanadium clusters. <i>Molecular Physics</i> , 1993, 79, 121-143.	0.8	41
166	Photo-coercivity of Nano-stabilized Au:Fe Superparamagnetic Nanoparticles. <i>Advanced Materials</i> , 2010, 22, 4054-4058.	11.1	39
167	Superparamagnetic cellulose fiber networks via nanocomposite functionalization. <i>Journal of Materials Chemistry</i> , 2012, 22, 1662-1666.	6.7	39
168	X.alpha. calculations of the EPR parameters of pseudotetrahedral copper(II) complexes. <i>Journal of the American Chemical Society</i> , 1983, 105, 5535-5541.	6.6	38
169	Electronic and magnetic metal-metal interactions in dinuclear oxomolybdenum(V) complexes across bis-phenolate bridging ligands with different spacers between the phenolate termini: ligand-centred vs. metal-centred redox activity. <i>Dalton Transactions RSC</i> , 2001, , 1401-1414.	2.3	38
170	Crystal Engineering: Stacking Interactions Control the Crystal Structures of Benzothiadiazole (btd) and Its Complexes with Copper(II) and Copper(I) Chlorides. <i>Crystal Growth and Design</i> , 2001, 1, 191-194.	1.4	38
171	Electronic Structure and Nature of the Ground State of the Mixed-Valence Binuclear Tetra(1/4-1,8-naphthyridine-N,N'-bis(halogenonickel) Tetraphenylborate Complexes: Experimental and DFT Characterization. <i>Chemistry - A European Journal</i> , 2002, 8, 3660.	1.7	38
172	Novel polynuclear Cu _{II} /Co _{II} complexes constructed from one and two Cu ₂ Co triangles with antiferromagnetic exchange coupling. <i>Dalton Transactions RSC</i> , 2002, , 4253-4259.	2.3	37
173	Fast switching of bistable magnetic nanowires through collective spin reversal. <i>Applied Physics Letters</i> , 2005, 87, 073102.	1.5	37
174	Synthesis of Iron Oxide Nanoparticles in <i>Listeria innocua</i> Dps (DNA-Binding Protein from) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 European Journal, 2010, 16, 709-717.	1.7	36
175	Complexes with diimine ligands. Part III. Synthesis, structure and magnetic studies of mixed acetylacetonatecobalt(II) derivatives. <i>Inorganica Chimica Acta</i> , 1991, 181, 51-60.	1.2	35
176	Site-specific ligation of anthracene-1,8-dicarboxylates to an Mn ₁₂ core: a route to the controlled functionalisation of single-molecule magnets. <i>Chemical Communications</i> , 2004, , 2604.	2.2	35
177	Solvent Effects on the Adsorption and Self-Organization of Mn ₁₂ on Au(111). <i>Langmuir</i> , 2007, 23, 11836-11843.	1.6	34
178	X-ray crystal structure of bis(N,N'-ethylene-bis-(salicylideneiminato)-oxovanadium(V)) di-1/4-chlorodicopper(I) chloride, a compound with a three-coordinate copper(I) chloride. <i>Inorganica Chimica Acta</i> , 1984, 84, L11-L12.	1.2	33
179	Bonding Coordination Requirements Induce Antiferromagnetic Coupling between m-Phenylene Bridged o-Iminosemiquinonato Diradicals. <i>Inorganic Chemistry</i> , 2003, 42, 1701-1706.	1.9	33
180	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> , 1995, 235, 159-164.	1.2	32

#	ARTICLE	IF	CITATIONS
181	Metal-Metal Interactions as a Function of Bridging Ligand Topology: An Electrochemical, Spectroelectrochemical, and Magnetic Study on Dinuclear Oxo-Mo(V) Complexes with Various Isomers of Dihydroxynaphthalene as Bridging Ligand. <i>Inorganic Chemistry</i> , 2000, 39, 1288-1293.	1.9	32
182	Disorder effects in Mn ₁₂ -acetate at 83 K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, m371-m373.	0.4	32
183	Remnant magnetization of Fe ₈ high-spin molecules: X-ray magnetic circular dichroism at 300 mK. <i>Journal of Applied Physics</i> , 2007, 101, 113920.	1.1	32
184	A periodic mixed Gaussian-plane waves DFT study on simple thiols on Au(111): adsorbate species, surface reconstruction, and thiols functionalization. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3886.	1.3	32
185	Structure and magnetism of nickel (II) and manganese (II) complexes of a nitronyl nitroxide carboxylic acid. <i>Inorganica Chimica Acta</i> , 1996, 248, 139-146.	1.2	31
186	Magnetic anisotropy of Mn ₁₂ -acetate nanomagnets from high-field torque magnetometry. <i>Chemical Physics Letters</i> , 2000, 322, 477-482.	1.2	31
187	DFT Description of the Magnetic Properties and Electron Localization in Dinuclear Di-oxo-Bridged Manganese Complexes. <i>Chemistry - A European Journal</i> , 2002, 8, 5019-5027.	1.7	31
188	Crystal structure and magnetic properties of a new ferrimagnetic chain containing manganese(II) and a nitronyl-nitroxide radical. Magnetic ordering in Mn(hfac) ₂ NITR compounds. <i>Journal of Materials Chemistry</i> , 1994, 4, 319.	6.7	30
189	The influence of ligand field effects on the magnetic exchange of high-spin Co(II)-semiquinone complexes. <i>Dalton Transactions</i> , 2006, , 722-729.	1.6	30
190	Anomalous spin Hamiltonian parameters of pseudotetrahedral copper(II) complexes. ESR spectra of copper(II)-doped dichlorobis(triphenylphosphine oxide)zinc(II). <i>Journal of the American Chemical Society</i> , 1980, 102, 5234-5237.	6.6	29
191	Single-crystal EPR spectra of copper-manganese bimetallic ferrimagnetic chains. <i>Inorganic Chemistry</i> , 1989, 28, 287-290.	1.9	29
192	Structure and magnetic properties of a ring of four spins formed by manganese(II) and a pyridine substituted nitronyl nitroxide. <i>Inorganica Chimica Acta</i> , 1991, 184, 67-71.	1.2	29
193	Evaluating the magnetic anisotropy in molecular rare earth compounds. Gadolinium derivatives with semiquinone radical and diamagnetic analogues. <i>Chemical Physics Letters</i> , 2003, 371, 694-699.	1.2	29
194	Experimental Spin Density in a Purely Organic Free Radical: Visualisation of the Ferromagnetic Exchange Pathway in p-(Methylthio)phenyl Nitronyl Nitroxide, Nit(SMe)Ph. <i>Chemistry - A European Journal</i> , 1999, 5, 3616-3624.	1.7	28
195	Direct Observation of Single-Molecule Magnets Organized on Gold Surfaces. <i>Angewandte Chemie</i> , 2003, 115, 1683-1686.	1.6	28
196	Molecular based magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 2092-2095.	1.0	27
197	Single molecule magnets: a new class of magnetic materials. <i>Journal of Alloys and Compounds</i> , 2001, 317-318, 8-12.	2.8	26
198	Density Control of Dodecamanganese Clusters Anchored on Silicon(100). <i>Chemistry - A European Journal</i> , 2006, 12, 3558-3566.	1.7	26

#	ARTICLE	IF	CITATIONS
199	Static and dynamic distortions of the tris(1,2-diaminoethane)copper(II) cation [Cu(en) ₃] ²⁺ . Crystal structures of the salts [Cu(en) ₃][SO ₄] at 120 K and of [Cu(en) ₃]Cl ₂ ·0.75 en at 298 K. <i>Journal of the Chemical Society Dalton Transactions</i> , 1979, , 1409-1414.	1.1	25
200	The effect of antisymmetric exchange on the E.P.R. spectra of coupled pairs of transition metal ions. <i>Molecular Physics</i> , 1982, 47, 161-169.	0.8	25
201	Sextet ground state in a dinuclear nickel(II) complex containing a tetraoxolene radical as bridging ligand. <i>Inorganica Chimica Acta</i> , 1991, 189, 125-128.	1.2	25
202	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> , 2003, 125, 8371-8376.	6.6	25
203	Towards the detection of single polychlorotriphenylmethyl radical derivatives by means of Electron Spin Noise STM. <i>Solid State Sciences</i> , 2009, 11, 956-960.	1.5	25
204	<i>Kineococcus radiotolerans</i> Dps forms a heteronuclear Mn-Fe ferroxidase center that may explain the Mn-dependent protection against oxidative stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3745-3755.	1.1	25
205	Propeller-shaped Fe ₄ and Fe ₃ M Molecular Nanomagnets: A Journey from Crystals to Addressable Single Molecules. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 552-568.	1.0	25
206	One-dimensional antiferromagnetism in a linear chain containing zinc(II) and a nitronyl nitroxide. <i>Inorganic Chemistry</i> , 1991, 30, 1882-1886.	1.9	24
207	A seven-spin cluster formed by an alkyl nitronyl nitroxide biradical and copper(II): crystal structure and magnetic properties. <i>Inorganica Chimica Acta</i> , 1994, 217, 7-13.	1.2	24
208	Physical Techniques for the Investigation of Molecular Magnetic Clusters. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9780-9787.	1.2	24
209	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> , 2010, 20, 10747.	6.7	24
210	ESR spectra of cobalt(II)- and copper(II)-doped bis(N,N-bis(2-(diethylamino)ethyl)(2-hydroxyethyl)amino-O)dinickel(II) diperchlorate. Characterization of nickel(II)-cobalt(II) and nickel(II)-copper(II) exchange-coupled pairs. <i>Inorganic Chemistry</i> , 1981, 20, 393-398.	1.9	23
211	Magnetic properties of polyoxovanadates: Magnetic confirmation of the valence state of the vanadium centers in Na ₆ [H ₆ V ₁₀ O ₃₀ F ₂] · 22H ₂ O. <i>Advanced Materials</i> , 1993, 5, 915-917.	11.1	23
212	Mono- and di-nuclear tris(pyrazolyl)borato-oxo-tungsten(v) complexes with phenolate ligands: syntheses and structures, and magnetic, electrochemical and UV/Vis/NIR spectroscopic properties. <i>Dalton Transactions</i> , 2003, , 36-45.	1.6	23
213	High-field/ high-frequency EPR study on stable free radicals formed in sucrose by gamma-irradiation. <i>Free Radical Research</i> , 2006, 40, 553-563.	1.5	23
214	Crystal structures, magnetic and non-linear optical properties of methoxyphenyl nitronyl nitroxide radicals. <i>Journal of Materials Chemistry</i> , 1994, 4, 1047-1053.	6.7	21
215	Elektronenstruktur von Mangan(III)-Verbindungen aus Hochfrequenz-EPR-Spektren. <i>Angewandte Chemie</i> , 1997, 109, 2423-2426.	1.6	21
216	Electron Paramagnetic Resonance and Density-Functional Theory Studies of Cu(II)-bis(oxamato) Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 6633-6644.	1.9	21

#	ARTICLE	IF	CITATIONS
217	Dinuclear Cu(II) Complexes of Isomeric Bis-(3-acetylacetonate)benzene Ligands: Synthesis, Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2012, 51, 5409-5416.	1.9	21
218	Millimeter band EPR spectra reveal large zero-field splittings in copper(II) semiquinonato complexes. <i>Chemical Physics Letters</i> , 1990, 175, 589-592.	1.2	20
219	A Spin Topological Model for the $g = 4.1$ S2 State Photosystem II Water Oxidase Manganese Aggregate. <i>Journal of the American Chemical Society</i> , 1999, 121, 3537-3538.	6.6	20
220	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 - International Edition</i> , 2000, 39, 1786-1788.	7.2	20
221	Adding Remnant Magnetization and Anisotropic Exchange to Propellerlike Single-Molecule Magnets through Chemical Design. <i>Chemistry - A European Journal</i> , 2014, 20, 13681-13691.	1.7	20
222	Magnetic Bistability in Lanthanide-Based Molecular Systems: The Role of Anisotropy and Exchange Interactions. <i>Fundamental Theories of Physics</i> , 2016, , 91-139.	0.1	20
223	Internal electron transfer in a quinone adduct of a nickel(II)-catecholate complex. <i>Journal of the American Chemical Society</i> , 1988, 110, 6897-6898.	6.6	19
224	Synthesis, molecular structure, and magnetic properties of $[\text{CuLNi}(\text{H}_2\text{O})_2\text{LCu}][\text{ClO}_4]_2 \cdot 4\text{H}_2\text{O}$ [$\text{H}_2\text{L} = \text{N}, \text{N}'\text{-bis}(3\text{-amino-2,2-dimethylpropyl})\text{oxamide}$] and its trinickel homologue. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 2133-2137.	1.1	19
225	Nuclear spin-lattice relaxation in the one-dimensional ferrimagnet manganese complex		

#	ARTICLE	IF	CITATIONS
235	Numerical transfer-matrix simulations of S=1 molecular magnetic chains. <i>Journal of Chemical Physics</i> , 1998, 109, 1613-1616.	1.2	15
236	HF-EPR to monitor electron transfer in mixed valence dioxolene metal complexes. <i>Chemical Physics Letters</i> , 2003, 368, 162-167.	1.2	15
237	Polyoxolenes may provide a tool for designing paramagnetic molecules with predetermined spin topologies. <i>Comptes Rendus Chimie</i> , 2003, 6, 663-676.	0.2	15
238	Study of manganese binding to the ferroxidase centre of human H-type ferritin. <i>Journal of Inorganic Biochemistry</i> , 2018, 182, 103-112.	1.5	15
239	Magnetic properties of tetranuclear complexes containing exchange coupled Ln ₂ Cu ₂ (Ln = Gd, Dy) species. <i>Journal of Magnetism and Magnetic Materials</i> , 1990, 83, 522-524.	1.0	14
240	Ground S = 4 state in a manganese(II)-nitronyl nitroxide ferrimagnetic ring. <i>Inorganica Chimica Acta</i> , 1990, 172, 137-139.	1.2	14
241	Symmetry breaking and effective motional averaging in double triangular clusters with exchange and electron transfer effects. <i>Chemical Physics</i> , 1996, 202, 25-37.	0.9	14
242	Rational design of large-spin clusters based on the hexacopper(II) siloxanolate core. <i>Comptes Rendus Chimie</i> , 2003, 6, 645-656.	0.2	14
243	A dinuclear copper(II) complex with a Cu(O, Nâ€“O)Cu bridging core: structural and magnetic (experimental and density functional theory) studies. <i>Inorganica Chimica Acta</i> , 2004, 357, 2150-2156.	1.2	14
244	Nitronyl nitroxide radicals at the interface: a hybrid architecture for spintronics. <i>Rendiconti Lincei</i> , 2018, 29, 623-630.	1.0	14
245	The effect of the local zero field splitting of the nickel(II) ion on the E.P.R. spectra of exchange coupled copper(II) (S= 1/2)-nickel(II) (S= 1) pairs. <i>Molecular Physics</i> , 1985, 54, 969-977.	0.8	13
246	Synthesis, crystal and molecular structure and magnetic properties of [Ni ₃ (L1) ₄ (NCS) ₄ (OH) ₂ (OH ₂) ₂](L1= 2,5-diamino-1,3,4-thiadiazole). <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 2331.	1.1	13
247	Magnetic interactions involving rare earth ions. <i>Materials Chemistry and Physics</i> , 1992, 31, 17-22.	2.0	13
248	Manganese(III)-mediated oxidative carbonâ€“carbon bond cleavage of the 1,10-phenanthroline-5,6-dione ligand. <i>Inorganic Chemistry Communication</i> , 1999, 2, 521-523.	1.8	13
249	Electron spin resonance spectra of a ferromagnetic alternating spin chain (S ₁ = \hat{A} ¹ / ₂ , S ₂ = \hat{A} ¹ / ₂). <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987, 83, 3603.	1.0	12
250	Magnetic properties of a dysprosium(III) complex with a nitronyl nitroxide. <i>Inorganica Chimica Acta</i> , 1989, 160, 1-2.	1.2	12
251	Magnetic properties and crystal structure of a linear-chain copper(II) compound with bridging chloride and oxamidate ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 3363.	1.1	12
252	Counter cation-controlled air oxidation of manganese derivatives of tetrachlorocatechol. <i>Inorganic Chemistry Communication</i> , 2000, 3, 76-79.	1.8	12

#	ARTICLE	IF	CITATIONS
253	High Field Magnetization Process in a Dodecanuclear Fe(III) Ring Cluster. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 1178-1183.	0.7	12
254	Validity of the Classical Monte Carlo Method To Model the Magnetic Properties of a Large Transition-Metal Cluster: A Mn ₁₉ . <i>Inorganic Chemistry</i> , 2006, 45, 2391-2393.	1.9	12
255	A coupling powered by nature. <i>Nature Materials</i> , 2007, 6, 471-472.	13.3	12
256	1,4,5,8-Tetraoxonaphthalene redox species in dinuclear ruthenium complexes: resonance Raman and electronic spectra. <i>Inorganica Chimica Acta</i> , 1991, 186, 157-160.	1.2	11
257	Single-crystal EPR study of the bimetallic ferrimagnetic chain MnCu(EDTA)·6H ₂ O. <i>Inorganica Chimica Acta</i> , 1993, 207, 105-109.	1.2	11
258	Helical 1D Coordination Polymers: Structure and Magnetic Properties of		

#	ARTICLE	IF	CITATIONS
271	Magnetic Materials Formed by Metal Ions and Nitroxides. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1989, 176, 329-336.	0.3	7
272	Single-crystal EPR spectra of the first alternating bimetallic chain compound $MnCu(obp)(H_2O)_3 \cdot H_2O$ (obp=oxamido bis(n,n'-proprionato)). <i>Chemical Physics Letters</i> , 1989, 160, 157-162.	1.2	7
273	Crystal field and exchange effects in rare earth semiquinone complexes. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 2001, 4, 135-141.	0.1	7
274	Interpretation of cw-ESR spectra of p-methyl-thio-phenyl-nitronyl nitroxide in a nematic liquid crystalline phase. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3200.	1.3	7
275	Preparation and properties of uniform colloidal particles of mixed copper(II)-lanthanide(III) compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 108, 305-313.	2.3	6
276	Magnetism of Materials Formed by Metal Ions and Radicals. <i>Molecular Crystals and Liquid Crystals</i> , 1996, 279, 177-194.	0.3	6
277	New developments in an old discipline. <i>Nature</i> , 1999, 401, 13-14.	13.7	6
278	High-field torque magnetometry for investigating magnetic anisotropy in Mn_{12} -acetate nanomagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 2012-2014.	1.0	6
279	High frequency EPR of a copper(II) trimer: experiment time scale effects in EPR spectroscopy. <i>Inorganica Chimica Acta</i> , 2003, 351, 59-62.	1.2	6
280	Spectra of Clusters. , 1990, , 86-120.		5
281	An EPR Study of Small Magnetic Nanoparticles. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 745-757.	1.4	5
282	Magnetic Properties of Coupled Lanthanide-Radical Species. <i>NATO ASI Series Series B: Physics</i> , 1987, , 385-388.	0.2	5
283	Structural Magnetic Correlations in Phase Transitions of Molecular Magnets. , 1991, , 215-232.		5
284	EPR as a necessary complement of magnetic measurements in exchange coupled systems. <i>Proceedings of the Indian Academy of Sciences - Section A</i> , 1987, 98, 13-22.	0.2	5
285	Magnetism of High Nuclearity Spin Cluster. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 233, 217-230.	0.3	4
286	Single crystal MCD of five coordinate Co(II) and Ni(II) complexes. <i>Chemical Physics Letters</i> , 1975, 34, 348-351.	1.2	3
287	Factors affecting the epr spectra of exchange coupled pairs of transition metal ions. <i>Journal of Molecular Catalysis</i> , 1984, 23, 145-150.	1.2	3
288	X^{\pm} -SW calculations of the electronic structure and magnetic properties of exchange-coupled transition-metal clusters. Cu(II) dimers as models for CuO ₂ layers in high-Tc superconductors. <i>Chemical Physics Letters</i> , 1989, 156, 341-345.	1.2	3

#	ARTICLE	IF	CITATIONS
289	Synthesis of High-Spin Molecular Species Using Nitroxide Organic Radicals and Transition Metal Ions. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1989, 176, 337-345.	0.3	3
290	Spin Dynamics of the Molecular Nanomagnet Fe ₈ Studied by 1 H-NMR. Molecular Crystals and Liquid Crystals, 2002, 379, 191-196.	0.4	3
291	Nuclear magnetic resonance of one-dimensional antiferromagnets comprising nitronyl nitroxide radicals. Molecular Physics, 1994, 83, 933-947.	0.8	2
292	Materials science in Italy: The role of the universities. Advanced Materials, 1996, 8, 273-275.	11.1	2
293	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. ChemInform, 2004, 35, no.	0.1	2
294	Angular-overlap analysis of the iron(II) site in [2Fe-2S] clusters. Biochimica Et Biophysica Acta - Bioenergetics, 1987, 893, 365-371.	0.5	1
295	Foreword: Molecular Magnetism, an Interdisciplinary Field. Monatshefte für Chemie, 2003, 134, 113-115.	0.9	1
296	Florence "Orsay: A Joint Laboratory with Olivier. European Journal of Inorganic Chemistry, 2018, 2018, 215-222.	1.0	1
297	Magnetic Molecular Materials. , 1992, , 147-160.		1
298	Molecular Magnetic Clusters: a Bridge Between Molecules and Classical Magnets. , 1999, , 369-388.		1
299	Non-perturbative Methods in Phenomenological Simulations of Ring-Shape Molecular Nanomagnets. Lecture Notes in Computer Science, 2014, , 438-447.	1.0	1
300	Multifunctional "Dy(hfa) ₃ glyme" adducts: Synthesis and magnetic/luminescent behaviour. Inorganica Chimica Acta, 2022, 535, 120851.	1.2	1
301	Biological Systems. , 1990, , 210-234.		0
302	Characterization of s = 1 molecular magnetic chains. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 589-590.	1.0	0
303	Magnetic Properties of Large Clusters. , 0, , 63-108.		0
304	55 Mn-NMR Study of Internal Magnetic Structure of the Molecular Nanomagnet Mn ₁₂ -Acetate. Molecular Crystals and Liquid Crystals, 2002, 379, 185-190.	0.4	0
305	Quantum Tunneling of Magnetization and Related Phenomena in Molecular Materials. ChemInform, 2003, 34, no.	0.1	0
306	Polyoxolenes May Provide a Tool for Designing Paramagnetic Molecules with Predetermined Spin Topologies. ChemInform, 2004, 35, no.	0.1	0

#	ARTICLE	IF	CITATIONS
307	Molecular Nanomagnets: The First 10 Years. ChemInform, 2004, 35, no.	0.1	0
308	Quinonoid Metal Complexes: Toward Molecular Switches. ChemInform, 2005, 36, no.	0.1	0
309	Magnetic Materials: X-Ray Magnetic Circular Dichroism Picks out Single-Molecule Magnets Suitable for Nanodevices (Adv. Mater. 2/2009). Advanced Materials, 2009, 21, NA-NA.	11.1	0
310	Complexity in Molecular Magnetism. NATO Science for Peace and Security Series B: Physics and Biophysics, 2012, , 49-72.	0.2	0
311	Spin Levels of High Nuclearity Spin Clusters. , 1993, , 67-86.		0