

Lorenzo Sorace

List of Publications by Year in descending order

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226
papers

11,303
citations

31902

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times ranked

7291
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#	ARTICLE	IF	CITATIONS
1	Multifunctional $\text{Dy}(\text{hfa})_3$ glyme adducts: Synthesis and magnetic/luminescent behaviour. <i>Inorganica Chimica Acta</i> , 2022, 535, 120851.	1.2	1
2	Modulation of Slow Magnetic Relaxation in Gd(III) Tetrahalosemiquinonate Complexes. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	5
3	Magnetic Field Effect on the Handedness of Electrodeposited Heusler Alloy. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5640.	1.3	3
4	Exploring the Organometallic Route to Molecular Spin Qubits: The $[\text{CpTi}(\text{cot})]$ Case. <i>Angewandte Chemie</i> , 2021, 133, 2620-2625.	1.6	21
5	Exploring the Organometallic Route to Molecular Spin Qubits: The $[\text{CpTi}(\text{cot})]$ Case. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2588-2593.	7.2	38
6	Probing Vibrational Symmetry Effects and Nuclear Spin Economy Principles in Molecular Spin Qubits. <i>Inorganic Chemistry</i> , 2021, 60, 140-151.	1.9	35
7	Dielectric Effects in FeO_x -Coated Au Nanoparticles Boost the Magnetoplasmonic Response: Implications for Active Plasmonic Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 1057-1066.	2.4	17
8	Controlled coherent dynamics of $[\text{VO}(\text{TPP})]$, a prototype molecular nuclear qudit with an electronic ancilla. <i>Chemical Science</i> , 2021, 12, 12046-12055.	3.7	28
9	Magnetic Anisotropy Trends along a Full 4f-Series: The f^n Effect. <i>Journal of the American Chemical Society</i> , 2021, 143, 8108-8115.	6.6	50
10	Single-Ion Anisotropy and Intramolecular Interactions in Ce^{III} and Nd^{III} Dimers. <i>Inorganic Chemistry</i> , 2021, 60, 8692-8703.	1.9	7
11	Stabilization of an Enantiopure Submonolayer of Helicene Radical Cations on a Au(111) Surface through Noncovalent Interactions. <i>Angewandte Chemie</i> , 2021, 133, 15404-15408.	1.6	1
12	Stabilization of an Enantiopure Submonolayer of Helicene Radical Cations on a Au(111) Surface through Noncovalent Interactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15276-15280.	7.2	11
13	Radiofrequency to Microwave Coherent Manipulation of an Organometallic Electronic Spin Qubit Coupled to a Nuclear Qudit. <i>Inorganic Chemistry</i> , 2021, 60, 11273-11286.	1.9	15
14	Exploring the potential of highly charged Ru(II)- and heteronuclear Ru(II)/Cu(II)-polypyridyl complexes as antimicrobial agents. <i>Journal of Inorganic Biochemistry</i> , 2021, 220, 111467.	1.5	20
15	Chemisorption of nitronyl nitroxide radicals on gold surface: an assessment of morphology, exchange interaction and decoherence time. <i>Nanoscale</i> , 2021, 13, 7613-7621.	2.8	8
16	The Intricate Determination of Magnetic Anisotropy in Quasi-octahedral Vanadium(III): An HF-EPR and Magnetic Study. <i>Applied Magnetic Resonance</i> , 2020, 51, 1233-1250.	0.6	1
17	Storage and retrieval of microwave pulses with molecular spin ensembles. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	26
18	The Origin of Magnetic Anisotropy and Single-Molecule Magnet Behavior in Chromium(II)-Based Extended Metal Atom Chains. <i>Inorganic Chemistry</i> , 2020, 59, 1763-1777.	1.9	29

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19	Different Antioxidant Efficacy of Two MnII-Containing Superoxide Anion Scavengers on Hypoxia/Reoxygenation-Exposed Cardiac Muscle Cells. <i>Scientific Reports</i> , 2019, 9, 10320.	1.6	14
20	Aggregation of heptanuclear [MII7] (M ²⁺ =Co, Ni, Zn) clusters by a Schiff-base ligand derived from o-vanillin: Synthesis, crystal structures and magnetic properties. <i>Polyhedron</i> , 2019, 171, 269-278.	1.0	12
21	Single-ion anisotropy and exchange coupling in cobalt(II)-radical complexes: insights from magnetic and <i>ab initio</i> studies. <i>Chemical Science</i> , 2019, 10, 8855-8871.	3.7	30
22	Versatile coordination behaviour of the chloro-tetrazine-picolyamine ligand: mixed-valence binuclear Cu(I)/Cu(II) complexes. <i>Dalton Transactions</i> , 2019, 48, 11966-11977.	1.6	6
23	NMR and $\hat{1}/4$ +SR detection of unconventional spin dynamics in Er(trensal) and Dy(trensal) molecular magnets. <i>Physical Review B</i> , 2019, 100, .	1.1	2
24	Chiral mononuclear lanthanide complexes derived from chiral Schiff bases: Structural and magnetic studies. <i>Polyhedron</i> , 2019, 170, 264-270.	1.0	12
25	DFT Prediction and Experimental Investigation of Valence Tautomerism in Cobalt-Dioxolene Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 4230-4243.	1.9	53
26	Disclosing the Binding Medium Effects and the Pigment Solubility in the (Photo)reduction Process of Chrome Yellows (PbCrO ₄ /PbCr ₂ O ₇). <i>ACS Omega</i> , 2019, 4, 6607-6619.	1.6	17
27	Structural Diversity Ranging from Oligonuclear Complexes to 1D and 2D Coordination Polymers Generated by Tetrasubstituted Adamantane and Spirobifluorene Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 5025-5038.	1.0	2
28	A Pseudo-Octahedral Cobalt(II) Complex with Bispyrazolylpyridine Ligands Acting as a Zero-Field Single-Molecule Magnet with Easy Axis Anisotropy. <i>Chemistry - A European Journal</i> , 2018, 24, 8857-8868.	1.7	60
29	Steric control in the metal-ligand electron transfer of iminopyridine-ytterbocene complexes. <i>Dalton Transactions</i> , 2018, 47, 1566-1576.	1.6	7
30	Structural Effects on the Spin Dynamics of Potential Molecular Qubits. <i>Inorganic Chemistry</i> , 2018, 57, 731-740.	1.9	86
31	Mössbauer study of bornite and chemical bonding in Fe-bearing sulphides. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 227-235.	0.3	8
32	New spectroscopic and diffraction data to solve the vanadium-doped zircon pigment conundrum. <i>Journal of the European Ceramic Society</i> , 2018, 38, 5234-5245.	2.8	15
33	Slow Magnetic Relaxation in Lanthanoid Crown Ether Complexes: Interplay of Raman and Anomalous Phonon Bottleneck Processes. <i>Chemistry - A European Journal</i> , 2018, 24, 14768-14785.	1.7	42
34	Nitronyl nitroxide radicals at the interface: a hybrid architecture for spintronics. <i>Rendiconti Lincei</i> , 2018, 29, 623-630.	1.0	14
35	Scaling Up Electronic Spin Qubits into a Three-Dimensional Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2018, 140, 12090-12101.	6.6	122
36	A two-qubit molecular architecture for electron-mediated nuclear quantum simulation. <i>Chemical Science</i> , 2018, 9, 6183-6192.	3.7	80

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37	Tm(III) complexes undergoing slow relaxation of magnetization: exchange coupling and aging effects. Dalton Transactions, 2017, 46, 3848-3856.	1.6	15
38	Spin Dynamics and Low Energy Vibrations: Insights from Vanadyl-Based Potential Molecular Qubits. Journal of the American Chemical Society, 2017, 139, 4338-4341.	6.6	114
39	One Dimensional Chain and Ribbon Cobalt(II)-Dioxolene Coordination Polymers: A New Valence Tautomeric Compound. Crystal Growth and Design, 2017, 17, 3156-3162.	1.4	19
40	Electronic Structure and Magnetic Anisotropy in Lanthanoid Single-Ion Magnets with C_3 Symmetry: The Ln(trenovan) Series. Inorganic Chemistry, 2017, 56, 4728-4738.	1.9	33
41	Structural and magnetic properties of semiquinonate based Al(III) and Ga(III) complexes. Dalton Transactions, 2017, 46, 1439-1448.	1.6	9
42	Coherent coupling between Vanadyl Phthalocyanine spin ensemble and microwave photons: towards integration of molecular spin qubits into quantum circuits. Scientific Reports, 2017, 7, 13096.	1.6	42
43	Cobalt(II) Ions Connecting $[\text{Co}^{\text{II}}_4]$ Helicates into a 2-D Coordination Polymer Showing Slow Relaxation of the Magnetization. Inorganic Chemistry, 2017, 56, 11668-11675.	1.9	10
44	Slow magnetisation relaxation in tetraoxolene-bridged rare earth complexes. Dalton Transactions, 2017, 46, 13756-13767.	1.6	30
45	Multiple Magnetization Reversal Channels Observed in a 3d-4f Single Molecule Magnet. Magnetochemistry, 2016, 2, 27.	1.0	12
46	Valence Tautomerism in One-Dimensional Coordination Polymers. Inorganic Chemistry, 2016, 55, 4141-4151.	1.9	32
47	Slow Relaxation of Magnetization in an Isostructural Series of Zinc(II)-Lanthanide Complexes: An Integrated EPR and AC Susceptibility Study. Chemistry - A European Journal, 2016, 22, 12849-12858.	1.7	42
48	Quantum Coherence Times Enhancement in Vanadium(IV)-based Potential Molecular Qubits: the Key Role of the Vanadyl Moiety. Journal of the American Chemical Society, 2016, 138, 11234-11244.	6.6	180
49	Magnetic Anisotropy of Tetrahedral Co^{II} Single-Ion Magnets: Solid-State Effects. Inorganic Chemistry, 2016, 55, 9537-9548.	1.9	74
50	Diamondoid Structure in a Metal-Organic Framework of Fe_4 Single-Molecule Magnets. Chemistry - A European Journal, 2016, 22, 13705-13714.	1.7	18
51	Giant spin-phonon bottleneck effects in evaporable vanadyl-based molecules with long spin coherence. Dalton Transactions, 2016, 45, 16635-16643.	1.6	75
52	Coupling molecular spin centers to microwave planar resonators: towards integration of molecular qubits in quantum circuits. Dalton Transactions, 2016, 45, 16596-16603.	1.6	29
53	Magnetic Bistability in Lanthanide-Based Molecular Systems: The Role of Anisotropy and Exchange Interactions. Fundamental Theories of Physics, 2016, , 91-139.	0.1	20
54	Relaxation Dynamics and Magnetic Anisotropy in a Low-Symmetry Dy^{III} Complex. Chemistry - A European Journal, 2016, 22, 5552-5562.	1.7	56

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55	Room-Temperature Quantum Coherence and Rabi Oscillations in Vanadyl Phthalocyanine: Toward Multifunctional Molecular Spin Qubits. <i>Journal of the American Chemical Society</i> , 2016, 138, 2154-2157.	6.6	286
56	Synthesis, structure, magnetic and magnetocaloric properties of a series of $\{\text{CrIII}4\text{Ln}^{\text{III}}\}$ complexes. <i>New Journal of Chemistry</i> , 2016, 40, 3571-3577.	1.4	24
57	Quantum coherence in a processable vanadyl complex: new tools for the search of molecular spin qubits. <i>Chemical Science</i> , 2016, 7, 2074-2083.	3.7	144
58	Chromium speciation methods and infrared spectroscopy for studying the chemical reactivity of lead chromate-based pigments in oil medium. <i>Microchemical Journal</i> , 2016, 124, 272-282.	2.3	48
59	Thermal and optical control of electronic states in a single layer of switchable paramagnetic molecules. <i>Chemical Science</i> , 2015, 6, 2268-2274.	3.7	46
60	Redox-Active Sites in <i>Auricularia auricula-judae</i> Dye-Decolorizing Peroxidase and Several Directed Variants: A Multifrequency EPR Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13583-13592.	1.2	16
61	Synchrotron-based X-ray spectromicroscopy and electron paramagnetic resonance spectroscopy to investigate the redox properties of lead chromate pigments under the effect of visible light. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1500-1510.	1.6	25
62	Determination of Magnetic Anisotropy in the LnTRENAL Complexes (Ln = Tb, Dy, Er) by Torque Magnetometry. <i>Inorganic Chemistry</i> , 2015, 54, 3090-3092.	1.9	62
63	Switching nuclearity and Co content through stoichiometry adjustment: $\{\text{Co}^{\text{II}}_6\text{Co}^{\text{III}}_3\}$ and $\{\text{Co}^{\text{II}}_4\text{Co}^{\text{III}}_4\}$ mixed valent complexes and a study of their magnetic properties. <i>Dalton Transactions</i> , 2015, 44, 2390-2400.	1.6	28
64	Magnetic blocking in extended metal atom chains: a pentachromium complex behaving as a single-molecule magnet. <i>Chemical Communications</i> , 2014, 50, 15191-15194.	2.2	37
65	Modular Molecules: Site-Selective Metal Substitution, Photoreduction, and Chirality in Polyoxometalate Hybrids. <i>Chemistry - A European Journal</i> , 2014, 20, 14102-14111.	1.7	30
66	Grafting Single Molecule Magnets on Gold Nanoparticles. <i>Small</i> , 2014, 10, 323-329.	5.2	31
67	Beyond the anisotropy barrier: slow relaxation of the magnetization in both easy-axis and easy-plane Ln(trensal) complexes. <i>Chemical Communications</i> , 2014, 50, 1648-1651.	2.2	192
68	Core-Hole Screening, Electronic Structure, and Paramagnetic Character in Thin Films of Organic Radicals Deposited on $\text{SiO}_2/\text{Si}(111)$. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8044-8049.	1.5	15
69	Multifunctional nanoprobe based on upconverting lanthanide doped CaF_2 : towards biocompatible materials for biomedical imaging. <i>Biomaterials Science</i> , 2014, 2, 1158-1171.	2.6	27
70	Adding Remnant Magnetization and Anisotropic Exchange to Propeller-Like Single-Molecule Magnets through Chemical Design. <i>Chemistry - A European Journal</i> , 2014, 20, 13681-13691.	1.7	20
71	Magnetic and Luminescent Binuclear Double-Stranded Helicates. <i>Inorganic Chemistry</i> , 2014, 53, 7738-7747.	1.9	55
72	Magnetic Study of a Pentanuclear $\{\text{Co}_2\text{III}\text{Co}_3\text{II}\}$ Cluster with a Bent $\{\text{Co}_3\}$ Motif. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2561-2568.	1.0	20

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73	Syntheses, Characterization, and Magneto-Structural Analyses in $1/4 \times 1,3$ -Acetato-Bridged Tetracopper(II) and $1/4 \times 1,3$ - and $1/4 \times 1,1,3$ -Acetato-Bridged Pentanickel(II) Clusters. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2753-2765.	1.0	10
74	Magnetic and Spectroscopic Investigation of Thermally and Optically Driven Valence Tautomerism in Thioether-Bridged Dinuclear Cobalt-Dioxolene Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 11798-11805.	1.9	55
75	Polynuclear nickel(II) complexes with salicylaldimine derivative ligands. <i>Inorganica Chimica Acta</i> , 2013, 394, 741-746.	1.2	12
76	Synthesis, spectral characterization and X-ray crystal structure of Fe(III) and Co(III) complexes with an acyclic Schiff base ligand. <i>Inorganica Chimica Acta</i> , 2013, 406, 171-175.	1.2	7
77	A 3-D coordination network constructed from an angular bis-oxamato tecton and calcium ions. <i>CrystEngComm</i> , 2013, 15, 8422.	1.3	6
78	A new approach to the synthesis of heteronuclear propeller-like single molecule magnets. <i>Dalton Transactions</i> , 2013, 42, 4416.	1.6	30
79	Origin and spectroscopic determination of trigonal anisotropy in a heteronuclear single-molecule magnet. <i>Physical Review B</i> , 2013, 88, .	1.1	26
80	A spectroscopic characterization of a phenolic natural mediator in the laccase biocatalytic reaction. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 97, 203-208.	1.8	14
81	Radical-Functionalised Gel: A Building-Block Strategy for Magnetochiral Assembly. <i>ChemPlusChem</i> , 2013, 78, 149-156.	1.3	6
82	Redox Activity and Two-Step Valence Tautomerism in a Family of Dinuclear Cobalt Complexes with a Spiroconjugated Bis(dioxolene) Ligand. <i>Journal of the American Chemical Society</i> , 2013, 135, 8304-8323.	6.6	102
83	Sheets of Tetranuclear Ni(II) $[2 \times 2]$ Square Grids Structure with Infinite Orthogonal Two-Dimensional Water-Chlorine Chains. <i>Crystal Growth and Design</i> , 2013, 13, 4172-4176.	1.4	20
84	Nanoscale Assembly of Paramagnetic Organic Radicals on Au(111) Single Crystals. <i>Chemistry - A European Journal</i> , 2013, 19, 3445-3450.	1.7	36
85	Synthesis, crystal structure, magnetic properties and computational study of a series of cyano-bridged Mn(III)-Fe(III) complexes. <i>CrystEngComm</i> , 2012, 14, 7320.	1.3	21
86	A novel one-dimensional coordination polymer bearing tetrakis-carboxylato Co(II) ₂ units interacting via P-donors based on 1-carboxylic-1 ⁻ -(diphenylphosphino)ferrocene. <i>Inorganica Chimica Acta</i> , 2012, 392, 404-409.	1.2	3
87	A Two-Step Valence Tautomeric Transition in a Dinuclear Cobalt Complex. <i>Inorganic Chemistry</i> , 2012, 51, 3944-3946.	1.9	53
88	A slow relaxing species for molecular spin devices: EPR characterization of static and dynamic magnetic properties of a nitronyl nitroxide radical. <i>Journal of Materials Chemistry</i> , 2012, 22, 22272.	6.7	20
89	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
90	Influence of π - π Stacking Interactions on the Assembly of Layered Copper Phosphonate Coordination Polymers: Combined Powder Diffraction and Electron Paramagnetic Resonance Study. <i>Crystal Growth and Design</i> , 2012, 12, 2327-2335.	1.4	24

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91	Magnetic and optical bistability in tetrairon(III) single molecule magnets functionalized with azobenzene groups. Dalton Transactions, 2012, 41, 8368.	1.6	26
92	Exploring the No-Man's Land between Molecular Nanomagnets and Magnetic Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 4792-4800.	7.2	65
93	Magnetic Bistability of Isolated Giant Spin Centers in a Diamagnetic Crystalline Matrix. Chemistry - A European Journal, 2012, 18, 3390-3398.	1.7	44
94	Determination of the relevant magnetic interactions in low-dimensional molecular materials: the fundamental role of single crystal high frequency EPR. Dalton Transactions, 2011, 40, 10843.	1.6	32
95	Steric control on the redox chemistry of $(\eta^5\text{-C}_9\text{H}_7)_2\text{Yb}(\text{THF})_2$ by 6-aryl substituted iminopyridines. Dalton Transactions, 2011, 40, 10568.	1.6	16
96	Utilizing the Adaptive Polyoxometalate $[\text{As}_2\text{W}_{19}\text{O}_{67}(\text{H}_2\text{O})_{14}]^{14-}$ To Support a Polynuclear Lanthanoid-Based Single-Molecule Magnet. Inorganic Chemistry, 2011, 50, 7004-7014.	1.9	113
97	Single crystal EPR study at 95 GHz of a large Fe based molecular nanomagnet: toward the structuring of magnetic nanoparticle properties. Dalton Transactions, 2011, 40, 8145.	1.6	19
98	Lanthanides in molecular magnetism: old tools in a new field. Chemical Society Reviews, 2011, 40, 3092.	18.7	963
99	Spin Structure of Surface-Supported Single-Molecule Magnets from Isomorphous Replacement and X-ray Magnetic Circular Dichroism. Inorganic Chemistry, 2011, 50, 2911-2917.	1.9	47
100	A dimanganese(II) complex with bridging chlorides: Synthesis, electrochemistry, magnetic behavior, structure and bonding. Inorganica Chimica Acta, 2011, 365, 277-281.	1.2	8
101	Mono- and dinuclear Fe(III) complexes with the N ₂ O ₂ donor 5-chlorosalicylideneimine ligands; synthesis, X-ray structural characterization and magnetic properties. Inorganica Chimica Acta, 2011, 366, 191-197.	1.2	31
102	Looking for quantum effects in magnetic nanoparticles using the molecular nanomagnet approach. Physical Review B, 2011, 83, .	1.1	28
103	Cobalt-Dioxolene Redox Isomers: Potential Spintronic Devices. Applied Magnetic Resonance, 2010, 38, 139-153.	0.6	71
104	Exchange interactions in trinuclear multispin complexes $[\text{Fe}_2\text{M}(\text{p-NitPhCOO})_6] \cdot \text{MeCN}$ (M = Co, Ni). Dalton Transactions, 2010, 39, 243-249.	0.2	0
105	A New Cobalt(II) Layered Network Based on Phenyl(carboxymethyl) Phosphinate. European Journal of Inorganic Chemistry, 2010, 2010, 3179-3184.	1.0	19
106	Slow Magnetic Relaxation from Hard Axis Metal Ions in Tetranuclear Single-Molecule Magnets. Chemistry - A European Journal, 2010, 16, 10482-10493.	1.7	53
107	Endogenous Arene Hydroxylation Promoted by Copper(I) Cluster Helicates. Chemistry - A European Journal, 2010, 16, 14175-14180.	1.7	20
108	Soft X-ray Induced Redox Isomerism in a Cobalt Dioxolene Complex. Angewandte Chemie - International Edition, 2010, 49, 1954-1957.	7.2	89

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109	Quantum tunnelling of the magnetization in a monolayer of oriented single-molecule magnets. <i>Nature</i> , 2010, 468, 417-421.	13.7	574
110	Metal Dilution Effects on Entropy and Light-Induced Valence Tautomeric Interconversion in a 1:1 Cobalt ^{II} -Dioxolene Complex. <i>Inorganic Chemistry</i> , 2010, 49, 3271-3277.	1.9	19
111	Low-valent vanadium catecholate clusters. <i>Chemical Science</i> , 2010, 1, 221.	3.7	7
112	Slow Relaxation of the Magnetization in Non-Linear Optical Active Layered Mixed Metal Oxalate Chains. <i>Inorganic Chemistry</i> , 2010, 49, 10894-10901.	1.9	29
113	A missing high-spin molecule in the family of cyanido-bridged heptanuclear heterometal complexes, [(LCuII)6FeIII(CN)6]3+, and its CoIII and CrIII analogues, accompanied in the crystal by a novel octameric water cluster. <i>Dalton Transactions</i> , 2010, 39, 4838.	1.6	37
114	Introduction of ester and amido functions in tetrairon(III) single-molecule magnets: synthesis and physical characterization. <i>Dalton Transactions</i> , 2010, 39, 5851.	1.6	15
115	Solvation effects on the valence tautomeric transition of a cobalt complex in the solid state. <i>Dalton Transactions</i> , 2010, 39, 4757-4767.	1.6	66
116	The coordination preferences of metal centres modulate superexchange coupling interactions in a metallo-supramolecular helical assembly. <i>Chemical Communications</i> , 2010, 46, 4797.	2.2	16
117	Heterometallic 3d ⁴ -4f coordination polymers: Synthesis, characterization and magnetic properties of 1D zigzag chains containing samarium and terbium. <i>Solid State Sciences</i> , 2009, 11, 766-771.	1.5	8
118	Magnetic Interactions and Magnetic Anisotropy in Exchange Coupled 4f ⁴ -3d Systems: A Case Study of a Heterodinuclear Ce ³⁺ -Fe ³⁺ Cyanide-Bridged Complex. <i>Chemistry - A European Journal</i> , 2009, 15, 1377-1388.	1.7	51
119	X-ray Absorption Spectroscopy as a Probe of Photo- and Thermally Induced Valence Tautomeric Transition in a 1:1 Cobalt ^{II} -Dioxolene Complex. <i>ChemPhysChem</i> , 2009, 10, 2090-2095.	1.0	21
120	Thermal Deposition of Intact Tetrairon(III) Single-Molecule Magnets in High-Vacuum Conditions. <i>Small</i> , 2009, 5, 1460-1466.	5.2	58
121	Synthesis, characterization, and magnetic properties of new binuclear CuII CuII bis(oxamato) complexes. <i>Inorganica Chimica Acta</i> , 2009, 362, 563-569.	1.2	16
122	Syntheses, crystal structures and magnetic properties of three new binuclear Ni(II) complexes derived from tripodal tetradentate (N4) ligands. <i>Polyhedron</i> , 2009, 28, 162-166.	1.0	8
123	Ordering Magnetic Molecules within Nanoporous Crystalline Polymers. <i>Chemistry of Materials</i> , 2009, 21, 4750-4752.	3.2	69
124	Magnetic properties and spin dynamics in the single-molecule paramagnets Cu6Fe and Cu6Co. <i>Physical Review B</i> , 2009, 80, .	1.1	11
125	Tri-, tetra- and octa-metallic vanadium(III) clusters from new, simple starting materials: interplay of exchange and anisotropy effects. <i>Dalton Transactions</i> , 2009, , 9402.	1.6	23
126	Molecular nanomagnets and magnetic nanoparticles: the EMR contribution to a common approach. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6555.	1.3	55

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127	On the way to the magneto-optical characterization of trinuclear Cu ^{II} Cu ^{II} Cu ^{II} bis(oxamato) complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2063-2063.	0.6	0
128	Tuning the Charge Distribution and Photoswitchable Properties of Cobalt-Dioxolene Complexes by Using Molecular Techniques. <i>Chemistry - A European Journal</i> , 2008, 14, 1804-1813.	1.7	116
129	Complete Direct and Reverse Optically Induced Valence Tautomeric Interconversion in a Cobalt-Dioxolene Complex. <i>Chemistry - A European Journal</i> , 2008, 14, 10915-10918.	1.7	86
130	Copper(II) Complexes with Bridging Diphosphinates – The Effect of the Elongation of the Aliphatic Chain on the Structural Arrangements Around the Metal Centres. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3046-3055.	1.0	29
131	Thermodynamics of valence tautomeric interconversion in a tetrachlorodioxolene:cobalt 1:1 adduct. <i>Inorganica Chimica Acta</i> , 2008, 361, 3842-3846.	1.2	52
132	Rational enhancement of the coordination capability of Ru(III)(salen)-nitronyl nitroxide building block: A step towards 2p ³ d ⁴ magnetic edifices. <i>Inorganica Chimica Acta</i> , 2008, 361, 3427-3431.	1.2	7
133	From multidomain particles to organic radicals: The multifaceted magnetic properties of tobacco and cigarette ash. <i>Inorganica Chimica Acta</i> , 2008, 361, 3882-3886.	1.2	4
134	Slow quantum relaxation in a tetrairon(III) single-molecule magnet. <i>Inorganica Chimica Acta</i> , 2008, 361, 3481-3488.	1.2	23
135	Patterned monolayers of nitronyl nitroxide radicals. <i>Inorganica Chimica Acta</i> , 2008, 361, 3525-3528.	1.2	16
136	Addressing single molecules of a thin magnetic film. <i>Inorganica Chimica Acta</i> , 2008, 361, 4089-4093.	1.2	12
137	Synthesis, structural, magnetic and high frequency EPR studies on a hexametallc Fe(III) complex with a highly rhombic S=5 ground state. <i>Inorganica Chimica Acta</i> , 2008, 361, 3663-3668.	1.2	12
138	Molecular magnetism, status and perspectives. <i>Solid State Sciences</i> , 2008, 10, 1701-1709.	1.5	75
139	A 2D Coordination Polymer with Canted Ferromagnetism Constructed from Ferromagnetic [Ni ^{II} Co ^{II}] Nodes. <i>Inorganic Chemistry</i> , 2008, 47, 6590-6592.	1.9	49
140	Multifrequency EMR and Magnetic Characterization of Synthetic Powdered Hematite. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9988-9995.	1.5	18
141	Site-Specific Anchoring of Tetrairon(III) Single Molecule Magnets on Functionalized Si(100) Surfaces. <i>Chemistry of Materials</i> , 2008, 20, 2405-2411.	3.2	47
142	X-ray structure and magnetochemical study on a Co(II) complex of 2-acetyl-1,3-indandione. <i>Journal of Coordination Chemistry</i> , 2008, 61, 3879-3886.	0.8	8
143	Spin noise fluctuations from paramagnetic molecular adsorbates on surfaces. <i>Journal of Applied Physics</i> , 2007, 101, 053916.	1.1	48
144	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

#	ARTICLE	IF	CITATIONS
145	Synthesis of a New Polydentate Ligand Obtained by Coupling 2,6-Bis(imino)pyridine and (Imino)pyridine Moieties and Its Use in Ethylene Oligomerization in Conjunction with Iron(II) and Cobalt(II) Bis-halides. <i>Organometallics</i> , 2007, 26, 5066-5078.	1.1	47
146	Ferromagnetic interactions in Ru(III)-nitronyl nitroxide radical complex: a potential 2p4d building block for molecular magnets. <i>Dalton Transactions</i> , 2007, , 2689-2695.	1.6	19
147	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
148	Unravelling the chemical nature of copper cuprizone. <i>Dalton Transactions</i> , 2007, , 2112.	1.6	51
149	Valence tautomerism interconversion triggers transition to stable charge distribution in solid polymeric cobalt-polyoxolene complexes. <i>Dalton Transactions</i> , 2007, , 5253.	1.6	30
150	Unprecedented optically induced long-lived intramolecular electron transfer in cobalt-dioxolene complexes. <i>Chemical Communications</i> , 2007, , 2160-2162.	2.2	34
151	Synthesis of New Polydentate Nitrogen Ligands and Their Use in Ethylene Polymerization in Conjunction with Iron(II) and Cobalt(II) Bis-halides and Methylaluminoxane. <i>Organometallics</i> , 2007, 26, 4639-4651.	1.1	69
152	Synthesis, Structural, and Magnetic Studies on a Redox Family of Tetrametallic Vanadium Clusters: $\{V^{IV}_{4}\}$, $\{V^{III}_{2}V^{IV}_{2}\}$, and $\{V^{III}_{4}\}$ Butterfly Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 9743-9753.	1.9	30
153	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
154	Shaping and Enforcing Coordination Spheres: The Implications of C ₃ and C ₁ Chirality in the Coordination Chemistry of 1,1,1-Tris(oxazolanyl)ethane (α -Trisoxane). <i>Chemistry - A European Journal</i> , 2007, 13, 3058-3075.	1.7	40
155	Highly Reduced, Polyoxo(alkoxo)vanadium(III/IV) Clusters. <i>Chemistry - A European Journal</i> , 2007, 13, 6329-6338.	1.7	25
156	New Single-Molecule Magnets by Site-Specific Substitution: Incorporation of α -Alligator Clips into Fe ₄ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4145-4152.	1.0	50
157	Nickel Complexes with N ₂ O Donor Ligands: Syntheses, Structures, Catalysis and Magnetic Studies. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5033-5044.	1.0	41
158	Relaxation dynamics of a photoinduced di-cobalt-tetraoxolene valence tautomer. <i>Inorganica Chimica Acta</i> , 2007, 360, 3825-3828.	1.2	18
159	Addressing individual paramagnetic molecules through ESN-STM. <i>Inorganica Chimica Acta</i> , 2007, 360, 3837-3842.	1.2	28
160	Synthesis, characterization, and magnetic properties of new homotrinary bis(oxamato) copper(II) complexes with an asymmetric central N,N'-bridge. <i>Inorganica Chimica Acta</i> , 2007, 360, 3777-3784.	1.2	19
161	An EPR and SQUID magnetometry study of bornite. <i>Physics and Chemistry of Minerals</i> , 2007, 34, 609-619.	0.3	21
162	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

#	ARTICLE	IF	CITATIONS
163	A high-nuclearity, beyond "fully reduced" polyoxo(alkoxo)vanadium(III/IV) cage. <i>Chemical Communications</i> , 2006, , 2560-2562.	2.2	17
164	The influence of ligand field effects on the magnetic exchange of high-spin Co(II)-semiquinonate complexes. <i>Dalton Transactions</i> , 2006, , 722-729.	1.6	30
165	Low-Valent Low-Coordinated Manganese(I) Ion Dimer: A Temperature Dependent W-Band EPR Study. <i>Inorganic Chemistry</i> , 2006, 45, 395-400.	1.9	9
166	Optically induced valence tautomeric interconversion in cobalt dioxolene complexes. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1522-1533.	0.6	33
167	Hydrothermal synthesis and structural characterization of a new 2D-layered vanadium diphosphate: [VO(O ₂ (C ₆ H ₅)PCH ₂ P(C ₆ H ₅)O ₂)]. <i>Inorganic Chemistry Communication</i> , 2006, 9, 591-594.	1.8	13
168	EPR of molecular nanomagnets. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1514-1529.	9.5	102
169	Ligand design modulates photoinduced properties of cobalt-dioxolene valence tautomers. <i>Chemical Physics Letters</i> , 2006, 428, 400-404.	1.2	36
170	Trinuclear copper(II) complexes of bis(acylhydrazone) ligands. Structural analysis and magnetic properties of a sulfato-bridged hexanuclear dimer. <i>Inorganica Chimica Acta</i> , 2006, 359, 2275-2280.	1.2	23
171	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
172	Synthesis and Characterisation of a Novel Copper(II) Azamacrocyclic-Phosphonate 3D Polymeric Network. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2027-2031.	1.0	10
173	Non-Covalent Aggregation of Discrete Metallo-Supramolecular Helicates into Higher Assemblies by Aromatic Pathways: Structural and Chemical Studies of New Aniline-Based Neutral Metal(II) Dihelicates. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3479-3490.	1.0	34
174	Very Large Ising-Type Magnetic Anisotropy in a Mononuclear Ni(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1876-1879.	7.2	109
175	High-field/high-frequency EPR studies of spin clusters with integer spin: the multi-frequency approach. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, S183-S191.	1.1	20
176	Quinonoid Metal Complexes: Toward Molecular Switches. <i>ChemInform</i> , 2005, 36, no.	0.1	0
177	Natural Fe-oxide and -oxyhydroxide nanoparticles: an EPR and SQUID investigation. <i>Mineralogy and Petrology</i> , 2005, 85, 19-32.	0.4	48
178	Structure and Magnetism of a New Hydrogen-Bonded Layered Cobalt(II) Network, Constructed by the Unprecedented Carboxylate-Phosphinate Ligand [O ₂ (C ₆ H ₅)PCH ₂ CO ₂] ²⁻ . <i>Inorganic Chemistry</i> , 2005, 44, 2060-2066.	1.9	71
179	Inorganic-Organic Hybrids of the p- <i>p</i> -Diphenylmethylenediphosphate, pcp ²⁻ . Synthesis, Characterization, and XRPD Structures of [Sn(pcp)] and [Cu(pcp)]. <i>Inorganic Chemistry</i> , 2005, 44, 9416-9423.	1.9	29
180	Dinuclear ruthenium bipyridine complexes with a bis(iminodioxolene)-meta-phenylene ligand: magnetic coupling and mixed valence character of the semiquinonato species. <i>Dalton Transactions</i> , 2005, , 3868.	1.6	9

#	ARTICLE	IF	CITATIONS
181	Antiferromagnetic exchange in meta-phenylene bridged bis(tris-o-iminosemiquinonato)metal complexes. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1083-1084.	1.0	2
182	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
183	Thermally and Light-Induced Valence Tautomeric Transition in a Dinuclear Cobalt(II) Tetraoxolene Complex. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3136-3138.	7.2	183
184	d- or f-Mononuclear and Related Heterodinuclear Complexes With [1+1] Asymmetric Compartmental Macrocycles. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 3887-3900.	1.0	24
185	Polyoxolenes May Provide a Tool for Designing Paramagnetic Molecules with Predetermined Spin Topologies. <i>ChemInform</i> , 2004, 35, no.	0.1	0
186	Tuneable energy barriers in tetrairon(III) single-molecule magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E749-E751.	1.0	5
187	The first specimen of tetranuclear (Fe III , Ln III) clusters assembled by carboxylate ligands: synthesis, structure, Mössbauer spectra, and magnetic properties of [Fe ₃ EuO ₂ (CCl ₃ COO) ₈ H ₂ O(THF) ₃]·THF. <i>Inorganic Chemistry Communication</i> , 2004, 7, 576-579.	1.8	29
188	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
189	Quinonoid Metal Complexes: Toward Molecular Switches. <i>Accounts of Chemical Research</i> , 2004, 37, 827-835.	7.6	337
190	Monohelical Complexes of a Novel Asymmetric N ₄ Schiff Base: Unfamiliar Tetrahedral Environments of Manganese(II) and Iron(II) Helicates. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1128-1135.	1.0	28
191	HF-EPR to monitor electron transfer in mixed valence dioxolene metal complexes. <i>Chemical Physics Letters</i> , 2003, 368, 162-167.	1.2	15
192	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
193	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
194	pH-Triggered intramolecular electron transfer in asymmetric bis-dioxolene adducts. <i>Dalton Transactions</i> , 2003, , 3382.	1.6	14
195	Bonding Coordination Requirements Induce Antiferromagnetic Coupling between m-Phenylene Bridged o-Iminosemiquinonato Diradicals. <i>Inorganic Chemistry</i> , 2003, 42, 1701-1706.	1.9	33
196	Photon-assisted tunneling in a Fe single-molecule magnet. <i>Physical Review B</i> , 2003, 68, .	1.1	60
197	Conformational rearrangement of 2,6-bis(1-salicyloylhydrazonoethyl)pyridine (H ₄ daps) on complexation. Synthesis and X-ray characterisation of H ₄ daps and its copper helicate complex [Cu(H ₂ daps)(H ₂ O)] ₂ ·2CH ₃ CN. <i>New Journal of Chemistry</i> , 2003, 27, 1753-1759.	1.4	53
198	A 3D network of helicates fully assembled by π-stacking interactions. <i>Chemical Communications</i> , 2003, , 1840-1841.	2.2	59

#	ARTICLE	IF	CITATIONS
199	Tetrahedral cobalt(ii) complexes stabilized by the aminodiphosphine PNP ligand [PNP = CH ₃ CH ₂ CH ₂ N(CH ₂ CH ₂ PPh ₂) ₂]. Dalton Transactions, 2003, , 3233.	1.6	32
200	Origin of Second-Order Transverse Magnetic Anisotropy in Mn ₁₂ -Acetate. Physical Review Letters, 2002, 89, 257201.	2.9	154
201	High-Spin Metal Complexes Containing a Ferromagnetically Coupled Tris(semiquinone) Ligand. Inorganic Chemistry, 2002, 41, 1086-1092.	1.9	39
202	Novel polynuclear Cu ₂ /Co ₂ complexes constructed from one and two Cu ₂ Co triangles with antiferromagnetic exchange coupling. Dalton Transactions RSC, 2002, , 4253-4259.	2.3	37
203	New sulfur rich lanthanide based materials: synthesis and magnetic properties. Journal of Alloys and Compounds, 2002, 344, 114-119.	2.8	5
204	Ising-Type Magnetic Anisotropy in a Cobalt(II) Nitronyl Nitroxide Compound: A Key to Understanding the Formation of Molecular Magnetic Nanowires. Chemistry - A European Journal, 2002, 8, 286-292.	1.7	103
205	Disorder effects in Mn ₁₂ acetate at 83 K. Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, m371-m373.	0.4	32
206	How and why the characterization of magnetic materials can give directions in the methodological development in high field high frequency EPR. Research on Chemical Intermediates, 2002, 28, 215-229.	1.3	15
207	Single-Crystal High-Frequency Electron Paramagnetic Resonance Investigation of a Tetranuclear Iron(III) Single-Molecule Magnet. Journal of Physical Chemistry B, 2001, 105, 2658-2663.	1.2	58
208	Charge Distribution in Bis-Dioxolene Radical Metal Complexes. Synthesis and DFT Characterization of Dinuclear Co(III) and Cr(III) Complexes with a Mixed-Valent, S=1/2 Semiquinone-Catecholate Ligand. Inorganic Chemistry, 2001, 40, 1582-1590.	1.9	58
209	A unique heteropentanuclear Cu ₂ Co ₂ complex, synthesised from metallic Cu and Co acetate in the presence of triethanolamine. Magnetic properties and a strong H-bond stabilised lattice. New Journal of Chemistry, 2001, 25, 685-689.	1.4	57
210	A bis-bidentate dioxolene ligand induces thermal hysteresis in valence tautomerism interconversion processes. Chemical Communications, 2001, , 2150-2151.	2.2	54
211	Ferromagnetically Coupled Bis(semiquinone) Ligand Enforces High-Spin Ground States in Bis-metal Complexes. Inorganic Chemistry, 2001, 40, 408-411.	1.9	60
212	Hydroxo-Bridged Cubane-Type Tetrairon(II) Clusters Supported by Sterically-Hindered Carboxylate Ligands. Inorganic Chemistry, 2001, 40, 6774-6781.	1.9	26
213	High-frequency EPR: An occasion for revisiting ligand field theory. Applied Magnetic Resonance, 2001, 21, 299-310.	0.6	26
214	Interfacial oxidation of decamethylferrocene by hexacyanoferrate: synthesis and characterization of [Fe ^{III} (i-C ₅ Me ₅) ₂] ₃ [Fe ^{III} (CN) ₆] ₂ ·2CH ₂ Cl ₂ ·6H ₂ O. Polyhedron, 2001, 20, 2467-2472.	1.0	7
215	Crystal field and exchange effects in rare earth semiquinone complexes. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 2001, 4, 135-141.	0.1	7
216	Hints for the Control of Magnetic Anisotropy in Molecular Materials. Journal of Solid State Chemistry, 2001, 159, 253-261.	1.4	127

#	ARTICLE	IF	CITATIONS
217	Control of the Microarchitecture of a Double Helix α Electrochemical Synthesis and Characterisation of a Novel Dinickel(II) Helicate with Different Groove Sizes. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 1863-1868.	1.0	41
218	Tuning the Magnetic Properties of the High-Spin Molecular Cluster Fe ₈ . <i>ChemPhysChem</i> , 2001, 2, 523-531.	1.0	47
219	Isotopic effect on the quantum tunneling of the magnetization of molecular nanomagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 1954-1960.	1.0	14
220	Antiferromagnetic Coupling in a Gadolinium(III) Semiquinonato Complex. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 246-248.	7.2	130
221	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
222	Counter cation-controlled air oxidation of manganese derivatives of tetrachlorocatechol. <i>Inorganic Chemistry Communication</i> , 2000, 3, 76-79.	1.8	12
223	Quantum tunneling of magnetization in Mn ₁₂ Bz clusters: Evidences of spin parity effect. <i>Journal of Applied Physics</i> , 2000, 87, 6004-6006.	1.1	6
224	Antiferromagnetic Coupling in a Gadolinium(III) Semiquinonato Complex. , 2000, 39, 246.		1
225	The molecular approach to nanoscale magnetism. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 200, 182-201.	1.0	202
226	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> , 1999, 121, 5302-5310.	6.6	454