

Lorenzo Sorace

List of Publications by Year in descending order

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papers

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all docs

239
docs citations

239
times ranked

7291
citing authors

#	ARTICLE	IF	CITATIONS
1	Lanthanides in molecular magnetism: old tools in a new field. <i>Chemical Society Reviews</i> , 2011, 40, 3092.	18.7	963
2	Quantum tunnelling of the magnetization in a monolayer of oriented single-molecule magnets. <i>Nature</i> , 2010, 468, 417-421.	13.7	574
3	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
4	Quinonoid Metal Complexes: Toward Molecular Switches. <i>Accounts of Chemical Research</i> , 2004, 37, 827-835.	7.6	337
5	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
6	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
7	The molecular approach to nanoscale magnetism. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 200, 182-201.	1.0	202
8	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
9	Thermally and Light-Induced Valence Tautomeric Transition in a Dinuclear Cobalt-Tetraoxolene Complex. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3136-3138.	7.2	183
10	Quantum Coherence Times Enhancement in Vanadium(IV)-based Potential Molecular Qubits: the Key Role of the Vanadyl Moiety. <i>Journal of the American Chemical Society</i> , 2016, 138, 11234-11244.	6.6	180
11	Origin of Second-Order Transverse Magnetic Anisotropy in Mn ₁₂ -Acetate. <i>Physical Review Letters</i> , 2002, 89, 257201.	2.9	154
12	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
13	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
14	Antiferromagnetic Coupling in a Gadolinium(III) Semiquinonato Complex. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 246-248.	7.2	130
15	Hints for the Control of Magnetic Anisotropy in Molecular Materials. <i>Journal of Solid State Chemistry</i> , 2001, 159, 253-261.	1.4	127
16	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
17	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
18	Spin Dynamics and Low Energy Vibrations: Insights from Vanadyl-Based Potential Molecular Qubits. <i>Journal of the American Chemical Society</i> , 2017, 139, 4338-4341.	6.6	114

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19	Utilizing the Adaptive Polyoxometalate $[As_2W_{19}O_{67}(H_2O)]^{14-}$ To Support a Polynuclear Lanthanoid-Based Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2011, 50, 7004-7014.	1.9	113
20	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
21	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
22	EPR of molecular nanomagnets. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1514-1529.	9.5	102
23	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
24	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
25	Soft-X-ray-Induced Redox Isomerism in a Cobalt Dioxolene Complex. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1954-1957.	7.2	89
26	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
27	Structural Effects on the Spin Dynamics of Potential Molecular Qubits. <i>Inorganic Chemistry</i> , 2018, 57, 731-740.	1.9	86
28	A two-qubit molecular architecture for electron-mediated nuclear quantum simulation. <i>Chemical Science</i> , 2018, 9, 6183-6192.	3.7	80
29	Molecular magnetism, status and perspectives. <i>Solid State Sciences</i> , 2008, 10, 1701-1709.	1.5	75
30	Giant spin-phonon bottleneck effects in evaporable vanadyl-based molecules with long spin coherence. <i>Dalton Transactions</i> , 2016, 45, 16635-16643.	1.6	75
31	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
32	Magnetic Anisotropy of Tetrahedral Co^{II} Single-Ion Magnets: Solid-State Effects. <i>Inorganic Chemistry</i> , 2016, 55, 9537-9548.	1.9	74
33	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
34	Structure and Magnetism of a New Hydrogen-Bonded Layered Cobalt(II) Network, Constructed by the Unprecedented Carboxylate-Phosphinate Ligand $[O_2(C_6H_5)PCH_2CO_2]^{2-}$. <i>Inorganic Chemistry</i> , 2005, 44, 2060-2066.	1.9	71
35	Cobalt-Dioxolene Redox Isomers: Potential Spintronic Devices. <i>Applied Magnetic Resonance</i> , 2010, 38, 139-153.	0.6	71
36	Antiferromagnetic coupling between rare earth ions and semiquinones in a series of $1 \rightarrow 1$ complexes. <i>Dalton Transactions</i> , 2004, , 1048-1055.	1.6	69

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37	Synthesis of New Polydentate Nitrogen Ligands and Their Use in Ethylene Polymerization in Conjunction with Iron(II) and Cobalt(II) Bis-halides and Methylaluminumoxane. <i>Organometallics</i> , 2007, 26, 4639-4651.	1.1	69
38	Ordering Magnetic Molecules within Nanoporous Crystalline Polymers. <i>Chemistry of Materials</i> , 2009, 21, 4750-4752.	3.2	69
39	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
40	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
41	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
42	Ferromagnetically Coupled Bis(semiquinone) Ligand Enforces High-Spin Ground States in Bis-metal Complexes. <i>Inorganic Chemistry</i> , 2001, 40, 408-411.	1.9	60
43	Photon-assisted tunneling in a Fe ₈ single-molecule magnet. <i>Physical Review B</i> , 2003, 68, .	1.1	60
44	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
45	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
46	A 3D network of helicates fully assembled by π -stacking interactions. <i>Chemical Communications</i> , 2003, , 1840-1841.	2.2	59
47	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
48	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. <i>Inorganic Chemistry</i> , 2001, 40, 1582-1590.	1.9	58
49	Thermal Deposition of Intact Tetrairon(III) Single-Molecule Magnets in High-Vacuum Conditions. <i>Small</i> , 2009, 5, 1460-1466.	5.2	58
50	A unique heteropentanuclear Cu ₁ Co 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. <i>New Journal of Chemistry</i> , 2001, 25, 685-689.	1.4	57
51	Relaxation Dynamics and Magnetic Anisotropy in a Low-Symmetry Dy ^{III} Complex. <i>Chemistry - A European Journal</i> , 2016, 22, 5552-5562.	1.7	56
52	Molecular nanomagnets and magnetic nanoparticles: the EMR contribution to a common approach. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6555.	1.3	55
53	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
54	Magnetic and Luminescent Binuclear Double-Stranded Helicates. <i>Inorganic Chemistry</i> , 2014, 53, 7738-7747.	1.9	55

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55	A bis-bidentate dioxolene ligand induces thermal hysteresis in valence tautomerism interconversion processes. <i>Chemical Communications</i> , 2001, , 2150-2151.	2.2	54
56	Conformational rearrangement of 2,6-bis(1-salicyloylhydrazonoethyl)pyridine (H4daps) on complexation. Synthesis and X-ray characterisation of H4daps and its copper helicate complex [Cu(H2daps)(H2O)]2·2CH3CN. <i>New Journal of Chemistry</i> , 2003, 27, 1753-1759.	1.4	53
57	Slow Magnetic Relaxation from Hard Axis Metal Ions in Tetranuclear Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2010, 16, 10482-10493.	1.7	53
58	A Two-Step Valence Tautomeric Transition in a Dinuclear Cobalt Complex. <i>Inorganic Chemistry</i> , 2012, 51, 3944-3946.	1.9	53
59	DFT Prediction and Experimental Investigation of Valence Tautomerism in Cobalt-Dioxolene Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 4230-4243.	1.9	53
60	Thermodynamics of valence tautomeric interconversion in a tetrachlorodioxolene:cobalt 1:1 adduct. <i>Inorganica Chimica Acta</i> , 2008, 361, 3842-3846.	1.2	52
61	Unravelling the chemical nature of copper cuprizone. <i>Dalton Transactions</i> , 2007, , 2112.	1.6	51
62	Magnetic Interactions and Magnetic Anisotropy in Exchange Coupled 4f-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
63	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
64	Magnetic Anisotropy Trends along a Full 4f-Series: The $\langle i \rangle^f \langle i \rangle^{n+7}$ Effect. <i>Journal of the American Chemical Society</i> , 2021, 143, 8108-8115.	6.6	50
65	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
66	Natural Fe-oxide and -oxyhydroxide nanoparticles: an EPR and SQUID investigation. <i>Mineralogy and Petrology</i> , 2005, 85, 19-32.	0.4	48
67	Spin noise fluctuations from paramagnetic molecular adsorbates on surfaces. <i>Journal of Applied Physics</i> , 2007, 101, 053916.	1.1	48
68	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
69	Tuning the Magnetic Properties of the High-Spin Molecular Cluster Fe ₈ . <i>ChemPhysChem</i> , 2001, 2, 523-531.	1.0	47
70	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
71	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
72	Spin Structure of Surface-Supported Single-Molecule Magnets from Isomorphous Replacement and X-ray Magnetic Circular Dichroism. <i>Inorganic Chemistry</i> , 2011, 50, 2911-2917.	1.9	47

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73	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
74	Magnetic Bistability of Isolated Giant Spin Centers in a Diamagnetic Crystalline Matrix. <i>Chemistry - A European Journal</i> , 2012, 18, 3390-3398.	1.7	44
75	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> , 2016, 22, 12849-12858.	1.7	42
76	Coherent coupling between Vanadyl Phthalocyanine spin ensemble and microwave photons: towards integration of molecular spin qubits into quantum circuits. <i>Scientific Reports</i> , 2017, 7, 13096.	1.6	42
77	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
78	Control of the Microarchitecture of a Double Helix 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
79	Nickel Complexes with N2O Donor Ligands: Syntheses, Structures, Catalysis and Magnetic Studies. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5033-5044.	1.0	41
80	Shaping and Enforcing Coordination Spheres: The Implications of C3 and C1 Chirality in the Coordination Chemistry of 1,1,1-Tris(oxazolinyl)ethane (Trisox). <i>Chemistry - A European Journal</i> , 2007, 13, 3058-3075.	1.7	40
81	High-Spin Metal Complexes Containing a Ferromagnetically Coupled Tris(semiquinone) Ligand. <i>Inorganic Chemistry</i> , 2002, 41, 1086-1092.	1.9	39
82	Exploring the Organometallic Route to Molecular Spin Qubits: The [CpTi(cot)] Case. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2588-2593.	7.2	38
83	Novel polynuclear CuII/CoII complexes constructed from one and two Cu2Co triangles with antiferromagnetic exchange coupling. <i>Dalton Transactions RSC</i> , 2002, , 4253-4259.	2.3	37
84	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
85	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
86	Ligand design modulates photoinduced properties of cobalt-dioxolene valence tautomers. <i>Chemical Physics Letters</i> , 2006, 428, 400-404.	1.2	36
87	Nanoscale Assembly of Paramagnetic Organic Radicals on Au(111) Single Crystals. <i>Chemistry - A European Journal</i> , 2013, 19, 3445-3450.	1.7	36
88	Probing Vibrational Symmetry Effects and Nuclear Spin Economy Principles in Molecular Spin Qubits. <i>Inorganic Chemistry</i> , 2021, 60, 140-151.	1.9	35
89	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
90	Unprecedented optically induced long-lived intramolecular electron transfer in cobalt-dioxolene complexes. <i>Chemical Communications</i> , 2007, , 2160-2162.	2.2	34

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91	Bonding Coordination Requirements Induce Antiferromagnetic Coupling between <i>m</i> -Phenylene Bridged <i>o</i> -Iminosemiquinonato Diradicals. <i>Inorganic Chemistry</i> , 2003, 42, 1701-1706.	1.9	33
92	Optically induced valence tautomeric interconversion in cobalt dioxolene complexes. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1522-1533.	0.6	33
93	Electronic Structure and Magnetic Anisotropy in Lanthanoid Single-Ion Magnets with C_3 Symmetry: The Ln(<i>t</i> -trienovan) Series. <i>Inorganic Chemistry</i> , 2017, 56, 4728-4738.	1.9	33
94	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
95	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]. <i>Dalton Transactions</i> , 2003, , 3233.	1.6	32
96	Determination of the relevant magnetic interactions in low-dimensional molecular materials: the fundamental role of single crystal high frequency EPR. <i>Dalton Transactions</i> , 2011, 40, 10843.	1.6	32
97	Valence Tautomerism in One-Dimensional Coordination Polymers. <i>Inorganic Chemistry</i> , 2016, 55, 4141-4151.	1.9	32
98	Mono- and dinuclear Fe(III) complexes with the N ₂ O ₂ donor 5-chlorosalicylideneimine ligands; synthesis, X-ray structural characterization and magnetic properties. <i>Inorganica Chimica Acta</i> , 2011, 366, 191-197.	1.2	31
99	Grafting Single Molecule Magnets on Gold Nanoparticles. <i>Small</i> , 2014, 10, 323-329.	5.2	31
100	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
101	Valence tautomerism interconversion triggers transition to stable charge distribution in solid polymeric cobalt polyoxolene complexes. <i>Dalton Transactions</i> , 2007, , 5253.	1.6	30
102	Synthesis, Structural, and Magnetic Studies on a Redox Family of Tetrametallic Vanadium Clusters: $\{V^{IV}_4\}$, $\{V^{III}_2V^{IV}_2\}$, and $\{V^{III}_4\}$ Butterfly Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 9743-9753.	1.9	30
103	A new approach to the synthesis of heteronuclear propeller-like single molecule magnets. <i>Dalton Transactions</i> , 2013, 42, 4416.	1.6	30
104	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
105	Slow magnetisation relaxation in tetraoxolene-bridged rare earth complexes. <i>Dalton Transactions</i> , 2017, 46, 13756-13767.	1.6	30
106	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
107	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
108	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]· <i>n</i> THF. <i>Inorganic Chemistry Communication</i> , 2004, 7, 576-579.	1.8	29

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109	Inorganic-Organic Hybrids of the η^5 -Diphenylmethylenediphosphinate, pcp^{2-} . Synthesis, Characterization, and XRPD Structures of $[\text{Sn}(\text{pcp})]$ and $[\text{Cu}(\text{pcp})]$. <i>Inorganic Chemistry</i> , 2005, 44, 9416-9423.	1.9	29
110	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
111	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
112	Coupling molecular spin centers to microwave planar resonators: towards integration of molecular qubits in quantum circuits. <i>Dalton Transactions</i> , 2016, 45, 16596-16603.	1.6	29
113	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
114	Monohelical Complexes of a Novel Asymmetric N4 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
115	Addressing individual paramagnetic molecules through ESN-STM. <i>Inorganica Chimica Acta</i> , 2007, 360, 3837-3842.	1.2	28
116	Looking for quantum effects in magnetic nanoparticles using the molecular nanomagnet approach. <i>Physical Review B</i> , 2011, 83, .	1.1	28
117	Switching nuclearity and Co content through stoichiometry adjustment: $\{\text{Co}^{\text{II}}_6\text{Co}^{\text{III}}_3\}$ and $\{\text{Co}^{\text{II}}_4\text{Co}^{\text{III}}_3\}$ mixed valent complexes and a study of their magnetic properties. <i>Dalton Transactions</i> , 2015, 44, 2390-2400.	1.6	28
118	Controlled coherent dynamics of $[\text{VO}(\text{TPP})]$, a prototype molecular nuclear qubit with an electronic ancilla. <i>Chemical Science</i> , 2021, 12, 12046-12055.	3.7	28
119	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
120	Hydroxo-Bridged Cubane-Type Tetrairon(II) Clusters Supported by Sterically-Hindered Carboxylate Ligands. <i>Inorganic Chemistry</i> , 2001, 40, 6774-6781.	1.9	26
121	High-frequency EPR: An occasion for revisiting ligand field theory. <i>Applied Magnetic Resonance</i> , 2001, 21, 299-310.	0.6	26
122	Magnetic and optical bistability in tetrairon(III) single molecule magnets functionalized with azobenzene groups. <i>Dalton Transactions</i> , 2012, 41, 8368.	1.6	26
123	Origin and spectroscopic determination of trigonal anisotropy in a heteronuclear single-molecule magnet. <i>Physical Review B</i> , 2013, 88, .	1.1	26
124	Storage and retrieval of microwave pulses with molecular spin ensembles. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	26
125	Highly Reduced, Polyoxo(alkoxo)vanadium(III/IV) Clusters. <i>Chemistry - A European Journal</i> , 2007, 13, 6329-6338.	1.7	25
126	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

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127	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
128	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
129	Synthesis, structure, magnetic and magnetocaloric properties of a series of $\{Cr^{III}Ln^{III}\}$ complexes. <i>New Journal of Chemistry</i> , 2016, 40, 3571-3577.	1.4	24
130	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
131	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
132	Slow quantum relaxation in a tetrairon(III) single-molecule magnet. <i>Inorganica Chimica Acta</i> , 2008, 361, 3481-3488.	1.2	23
133	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
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