# Roberta Sessoli

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8992256/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 396 papers | 51,456 citations | 2098 100 h-index | 1713 213 g-index |
| 435 all docs | 435 docs citations | 435 times ranked | 11933 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Magnetic bistability in a metal-ion cluster. Nature, 1993, 365, 141-143. | 13.7 | 3,860 |
| 2 | Quantum Tunneling of Magnetization and Related Phenomena in Molecular Materials. Angewandte Chemie - International Edition, 2003, 42, 268-297. | 7.2 | 2,637 |
| 3 | High-spin molecules: [Mn12O12(O2CR)16(H2O)4]. Journal of the American Chemical Society, 1993, 115, 1804-1816. | 6.6 | 2,156 |
| 4 | Macroscopic quantum tunnelling of magnetization in a single crystal of nanomagnets. Nature, 1996, 383, 145-147. | 13.7 | 1,894 |
| 5 | Single-Molecule Magnets. MRS Bulletin, 2000, 25, 66-71. | 1.7 | 1,451 |
| 6 | Strategies towards single molecule magnets based on lanthanide ions. Coordination Chemistry Reviews, 2009, 253, 2328-2341. | 9.5 | 1,399 |
| 7 | Quantum Phase Interference and Parity Effects in Magnetic Molecular Clusters. Science, 1999, 284, 133-135. | 6.0 | 1,386 |
| 8 | Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires. Angewandte Chemie - International Edition, 2001, 40, 1760-1763. | 7.2 | 1,074 |
| 9 | Magnetic memory of a single-molecule quantum magnet wired to a gold surface. Nature Materials, 2009, 8, 194-197. | 13.3 | 999 |
| 10 | Alternating current susceptibility, high field magnetization, and millimeter band EPR evidence for a ground S = 10 state in [Mn12O12(Ch3COO)16(H2O)4].2CH3COOH.4H2O. Journal of the American Chemical Society, 1991, 113, 5873-5874. | 6.6 | 899 |
| 11 | Toward molecular magnets: the metal-radical approach. Accounts of Chemical Research, 1989, 22, 392-398. | 7.6 | 826 |
| 12 | Large Clusters of Metal Ions: The Transition from Molecular to Bulk Magnets. Science, 1994, 265, 1054-1058. | 6.0 | 822 |
| 13 | Dysprosium Triangles Showing Single-Molecule Magnet Behavior of Thermally Excited Spin States. Angewandte Chemie - International Edition, 2006, 45, 1729-1733. | 7.2 | 802 |
| 14 | Quantum Tunneling of the Magnetization in an Iron Cluster Nanomagnet. Physical Review Letters, 1997, 78, 4645-4648. | 2.9 | 698 |
| 15 | Quantum tunnelling of the magnetization in a monolayer of oriented single-molecule magnets. Nature, 2010, 468, 417-421. | 13.7 | 574 |
| 16 | Magnetic Anisotropy in a Dysprosium/DOTA Singleâ€Molecule Magnet: Beyond Simple Magnetoâ€Structural Correlations. Angewandte Chemie - International Edition, 2012, 51, 1606-1610. | 7.2 | 523 |
| 17 | A Family of Rare-Earth-Based Single Chain Magnets:Â Playing with Anisotropy. Journal of the American Chemical Society, 2006, 128, 7947-7956. | 6.6 | 498 |
| 18 | Single-Molecule Magnet Behavior of a Tetranuclear Iron(III) Complex. The Origin of Slow Magnetic Relaxation in Iron(III) Clusters. Journal of the American Chemical Society, 1999, 121, 5302-5310. | 6.6 | 454 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Superparamagnetic-like behavior in an octanuclear iron cluster. Europhysics Letters, 1996, 35, 133-138. | 0.7 | 430 |
| 20 | Molecular Engineering for Single-Chain-Magnet Behavior in a One-Dimensional Dysprosium-Nitronyl Nitroxide Compound. Angewandte Chemie - International Edition, 2005, 44, 5817-5821. | 7.2 | 430 |
| 21 | Single chain magnets: where to from here?. Journal of Materials Chemistry, 2008, 18, 4750. | 6.7 | 380 |
| 22 | Coupling Dy<sub>3</sub> Triangles Enhances Their Slow Magnetic Relaxation. Angewandte Chemie - International Edition, 2010, 49, 6352-6356. | 7.2 | 377 |
| 23 | Quantentunneln der Magnetisierung und verwandte PhÃnomene in molekularen Materialien. Angewandte Chemie, 2003, 115, 278-309. | 1.6 | 368 |
| 24 | High-frequency EPR spectra of a molecular nanomagnet: Understanding quantum tunneling of the magnetization. Physical Review B, 1997, 56, 8192-8198. | 1.1 | 364 |
| 25 | Lanthanides in molecular magnetism: so fascinating, so challenging. Dalton Transactions, 2012, 41, 13556. | 1.6 | 364 |
| 26 | Single-molecule magnets based on iron(iii) oxo clusters. Chemical Communications, 2000, , 725-732. | 2.2 | 349 |
| 27 | The role of anharmonic phonons in under-barrier spin relaxation of single molecule magnets. Nature Communications, 2017, 8, 14620. | 5.8 | 319 |
| 28 | Synthesis, Structures, and Magnetic Properties of Fe2, Fe17, and Fe19 Oxo-Bridged Iron Clusters: The Stabilization of High Ground State Spins by Cluster Aggregates. Journal of the American Chemical Society, 1995, 117, 2491-2502. | 6.6 | 313 |
| 29 | Room-Temperature Quantum Coherence and Rabi Oscillations in Vanadyl Phthalocyanine: Toward Multifunctional Molecular Spin Qubits. Journal of the American Chemical Society, 2016, 138, 2154-2157. | 6.6 | 286 |
| 30 | Magnetic Anisotropy and Spinâ€Parity Effect Along the Series of Lanthanide Complexes with DOTA. Angewandte Chemie - International Edition, 2013, 52, 350-354. | 7.2 | 275 |
| 31 | Spin Chirality in a Molecular Dysprosium Triangle: The Archetype of the Noncollinear Ising Model. Physical Review Letters, 2008, 100, 247205. | 2.9 | 273 |
| 32 | A Dense Metalâ€“Organic Framework for Enhanced Magnetic Refrigeration. Advanced Materials, 2013, 25, 4653-4656. | 11.1 | 273 |
| 33 | The Second Quantum Revolution: Role and Challenges of Molecular Chemistry. Journal of the American Chemical Society, 2019, 141, 11339-11352. | 6.6 | 271 |
| 34 | Magnetic Relaxation in Big Magnetic Molecules. Europhysics Letters, 1994, 27, 159-164. | 0.7 | 260 |
| 35 | Magnetic Anisotropy of Dysprosium(III) in a Low-Symmetry Environment: A Theoretical and Experimental Investigation. Journal of the American Chemical Society, 2009, 131, 5573-5579. | 6.6 | 249 |
| 36 | Magnetic properties of an octanuclear iron(III) cation. Inorganic Chemistry, 1993, 32, 3099-3103. | 1.9 | 248 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Chilling with Magnetic Molecules. Angewandte Chemie - International Edition, 2012, 51, 43-45. | 7.2 | 248 |
| 38 | Chemical strategies and characterization tools for the organization of single molecule magnets on surfaces. Chemical Society Reviews, 2011, 40, 3076. | 18.7 | 247 |
| 39 | Phosphonate Ligands Stabilize Mixed-Valent {MnIII20â^'xMnIIx} Clusters with Large Spin and Coercivity. Angewandte Chemie - International Edition, 2005, 44, 5044-5048. | 7.2 | 233 |
| 40 | Polyoxovanadates:Â High-Nuclearity Spin Clusters with Interesting Hostâ^'Guest Systems and Different Electron Populations. Synthesis, Spin Organization, Magnetochemistry, and Spectroscopic Studies. Inorganic Chemistry, 1997, 36, 5239-5250. | 1.9 | 228 |
| 41 | Neutron Spectroscopy for the Magnetic Anisotropy of Molecular Clusters. Physical Review Letters, 1998, 81, 4744-4747. | 2.9 | 222 |
| 42 | A rational approach to the modulation of the dynamics of the magnetisation in a dysprosiumâ€“nitronyl-nitroxide radical complex. Chemical Communications, 2007, , 1807-1809. | 2.2 | 216 |
| 43 | Observation of the Distribution of Molecular Spin States by Resonant Quantum Tunneling of the Magnetization. Physical Review Letters, 1999, 82, 3903-3906. | 2.9 | 205 |
| 44 | Tuning Anisotropy Barriers in a Family of Tetrairon(III) Single-Molecule Magnets with anS= 5 Ground State. Journal of the American Chemical Society, 2006, 128, 4742-4755. | 6.6 | 205 |
| 45 | Giant field dependence of the low temperature relaxation of the magnetization in a dysprosium(iii)â€“DOTA complex. Chemical Communications, 2011, 47, 3751. | 2.2 | 204 |
| 46 | Effects of 3dâ€“4f Magnetic Exchange Interactions on the Dynamics of the Magnetization of DyIII-MII-DyIII Trinuclear Clusters. Chemistry - A European Journal, 2007, 13, 1602-1609. | 1.7 | 203 |
| 47 | The molecular approach to nanoscale magnetism. Journal of Magnetism and Magnetic Materials, 1999, 200, 182-201. | 1.0 | 202 |
| 48 | Towards nanostructured arrays of single molecule magnets: new Fe19 oxyhydroxide clusters displaying high ground state spins and hysteresisâ€Šâ€. Dalton Transactions RSC, 2000, , 1835-1840. | 2.3 | 200 |
| 49 | Magnetic Anisotropy of the Antiferromagnetic Ring [Cr8F8Piv16]. Chemistry - A European Journal, 2002, 8, 277-285. | 1.7 | 194 |
| 50 | Beyond the anisotropy barrier: slow relaxation of the magnetization in both easy-axis and easy-plane Ln(trensal) complexes. Chemical Communications, 2014, 50, 1648-1651. | 2.2 | 192 |
| 51 | Preparation, crystal structure, and magnetic properties of an oligonuclear complex with 12 coupled spins and an S = 12 ground state. Journal of the American Chemical Society, 1988, 110, 2795-2799. | 6.6 | 191 |
| 52 | Strong magneto-chiral dichroism in a paramagnetic molecular helix observed by hard X-rays. Nature Physics, 2015, 11, 69-74. | 6.5 | 187 |
| 53 | The Canted Antiferromagnetic Approach to Single-Chain Magnets. Journal of the American Chemical Society, 2008, 130, 1619-1627. | 6.6 | 180 |
| 54 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Structure and magnetic properties of ferrimagnetic chains formed by manganese(II) and nitronyl nitroxides. Inorganic Chemistry, 1988, 27, 1756-1761. | 1.9 | 172 |
| 56 | Opening up a dysprosium triangle by ligand oximation. Chemical Communications, 2009, , 6765. | 2.2 | 163 |
| 57 | Intra-molecular origin of the spin-phonon coupling in slow-relaxing molecular magnets. Chemical Science, 2017, 8, 6051-6059. | 3.7 | 160 |
| 58 | Mixed Quantum-Thermal Relaxation inMn12Acetate Molecules. Physical Review Letters, 1998, 80, 612-615. | 2.9 | 159 |
| 59 | Nitrogen-bonded copper(II)-imino nitroxide complexes exhibiting large ferromagnetic interactions. Journal of the American Chemical Society, 1991, 113, 1245-1251. | 6.6 | 158 |
| 60 | Crystal structure and magnetic properties of two nitronyl nitroxide biradicals and of their copper(II) complexes. Inorganic Chemistry, 1993, 32, 1445-1453. | 1.9 | 158 |
| 61 | Origin of Second-Order Transverse Magnetic Anisotropy inMn12-Acetate. Physical Review Letters, 2002, 89, 257201. | 2.9 | 154 |
| 62 | Effects of Nuclear Spins on the Quantum Relaxation of the Magnetization for the Molecular NanomagnetFe8. Physical Review Letters, 2000, 84, 2965-2968. | 2.9 | 151 |
| 63 | Magnetic phase transition and low-temperature EPR spectra of a one-dimensional ferrimagnet formed by manganese(II) and a nitronyl nitroxide. Inorganic Chemistry, 1989, 28, 1976-1980. | 1.9 | 150 |
| 64 | Nonadiabatic Landau-Zener tunneling in Fe 8 molecular nanomagnets. Europhysics Letters, 2000, 50, 552-558. | 0.7 | 150 |
| 65 | High-Frequency EPR Spectra of [Fe8O2(OH)12(tacn)6]Br8: A Critical Appraisal of the Barrier for the Reorientation of the Magnetization in Single-Molecule Magnets. Chemistry - A European Journal, 2000, 6, 1608-1614. | 1.7 | 147 |
| 66 | Density functional studies on the exchange interaction of a dinuclear Gd(iii)â€“Cu(ii) complex: method assessment, magnetic coupling mechanism and magneto-structural correlations. Dalton Transactions, 2009, , 3153. | 1.6 | 145 |
| 67 | Temperature- and Light-Induced Spin Crossover Observed by X-ray Spectroscopy on Isolated Fe(II) Complexes on Gold. Journal of Physical Chemistry Letters, 2013, 4, 1546-1552. | 2.1 | 144 |
| 68 | Quantum coherence in a processable vanadyl complex: new tools for the search of molecular spin qubits. Chemical Science, 2016, 7, 2074-2083. | 3.7 | 144 |
| 69 | Neutron study of mesoscopic magnetic clusters:Mn12O12. Physical Review B, 1997, 56, 8819-8827. | 1.1 | 143 |
| 70 | Electronic Structure of Manganese(III) Compounds from High-Frequency EPR Spectra. Angewandte Chemie International Edition in English, 1997, 36, 2329-2331. | 4.4 | 141 |
| 71 | Slow relaxation of magnetisation in an octanuclear cobalt(ii) phosphonate cage complex. Chemical Communications, 2005, , 5029. | 2.2 | 141 |
| 72 | Synthesis and Structural and Magnetic Characterization of Cobalt(II) Phosphonate Cage Compounds. Inorganic Chemistry, 2008, 47, 497-507. | 1.9 | 141 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Magnetic interactions and magnetic ordering in rare earth metal nitronyl nitroxide chains. Inorganic Chemistry, 1993, 32, 4797-4801. | 1.9 | 139 |
| 74 | Structure and magnetic ordering of a ferrimagnetic helix formed by manganese(II) and a nitronyl nitroxide radical. Inorganic Chemistry, 1991, 30, 3936-3941. | 1.9 | 138 |
| 75 | Oxalate and 2,2'-Bipyrimidine as Useful Tools in Designing Layered Compounds. Inorganic Chemistry, 1995, 34, 408-411. | 1.9 | 134 |
| 76 | Energy-Barrier Enhancement by Ligand Substitution in Tetrairon(III) Single-Molecule Magnets. Angewandte Chemie - International Edition, 2004, 43, 1136-1139. | 7.2 | 134 |
| 77 | Single molecule magnet behaviour in robust dysprosiumâ€“biradical complexes. Chemical Communications, 2010, 46, 6458. | 2.2 | 134 |
| 78 | A Luminescent and Sublimable Dy<sup>III</sup>â€Based Singleâ€Molecule Magnet. Chemistry - A European Journal, 2012, 18, 11379-11387. | 1.7 | 134 |
| 79 | Ferromagnetic phase transitions of two one-dimensional ferrimagnets formed by manganese(II) and nitronyl nitroxides cis octahedrally coordinated. Inorganic Chemistry, 1989, 28, 3314-3319. | 1.9 | 132 |
| 80 | Finite-Size Effects in Single Chain Magnets: An Experimental and Theoretical Study. Physical Review Letters, 2004, 92, 207204. | 2.9 | 131 |
| 81 | A Three-Dimensional Molecular Ferrimagnet Based on Ferricyanide and[Ni(tren)]2+ Building Blocks. Angewandte Chemie International Edition in English, 1996, 35, 1947-1949. | 4.4 | 130 |
| 82 | Mesoscopic quantum tunneling of the magnetization. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1825-1828. | 1.0 | 128 |
| 83 | Magnetism of large iron-oxo clusters. Chemical Society Reviews, 1996, 25, 101. | 18.7 | 124 |
| 84 | XAS and XMCD Investigation of Mn<sub>12</sub> Monolayers on Gold. Chemistry - A European Journal, 2008, 14, 7530-7535. | 1.7 | 122 |
| 85 | Organizing and Addressing Magnetic Molecules. Inorganic Chemistry, 2009, 48, 3408-3419. | 1.9 | 122 |
| 86 | Xâ€Ray Detected Magnetic Hysteresis of Thermally Evaporated Terbium Doubleâ€Decker Oriented Films. Advanced Materials, 2010, 22, 5488-5493. | 11.1 | 122 |
| 87 | Scaling Up Electronic Spin Qubits into a Three-Dimensional Metalâ€“Organic Framework. Journal of the American Chemical Society, 2018, 140, 12090-12101. | 6.6 | 122 |
| 88 | The Magnetic MÃ¶bius Strip: Synthesis, Structure, and Magnetic Studies of Odd-Numbered Antiferromagnetically Coupled Wheels. Angewandte Chemie - International Edition, 2004, 43, 5196-5200. | 7.2 | 120 |
| 89 | High-Frequency EPR Spectroscopy of Large Metal Ion Clusters: From Zero Field Splitting to Quantum Tunneling of the Magnetization. Accounts of Chemical Research, 1998, 31, 460-466. | 7.6 | 119 |
| 90 | Dimers and chains of {3dâ€“4f} single molecule magnets constructed from heterobimetallic tectons. Dalton Transactions, 2010, 39, 4802. | 1.6 | 116 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | A Complete Ab Initio View of Orbach and Raman Spinâ€“Lattice Relaxation in a Dysprosium Coordination Compound. Journal of the American Chemical Society, 2021, 143, 13633-13645. | 6.6 | 116 |
| 92 | Magnetic behaviour of TbPc2 single-molecule magnets chemically grafted on silicon surface. Nature Communications, 2014, 5, 4582. | 5.8 | 115 |
| 93 | Magnetic coupling in zero- and one-dimensional magnetic systems formed by nickel(II) and nitronyl nitroxides. Magnetic phase transition of a ferrimagnetic chain. Inorganic Chemistry, 1989, 28, 2940-2944. | 1.9 | 114 |
| 94 | 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 |
| 95 | Nuclear-spinâ€“driven resonant tunnelling of magnetisation in Mn 12 acetate. Europhysics Letters, 1999, 47, 254-259. | 0.7 | 112 |
| 96 | Synthesis and Characterization of Mixed-Valent Manganese Phosphonate Cage Complexes. Chemistry - A European Journal, 2006, 12, 8777-8785. | 1.7 | 104 |
| 97 | Glauber slow dynamics of the magnetization in a molecular Ising chain. Europhysics Letters, 2002, 58, 771-777. | 0.7 | 103 |
| 98 | 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 |
| 99 | EPR of molecular nanomagnets. Coordination Chemistry Reviews, 2006, 250, 1514-1529. | 9.5 | 102 |
| 100 | A Decanuclear Iron(III) Single Molecule Magnet:â€‰Use of Monte Carlo Methodology To Model the Magnetic Properties. Inorganic Chemistry, 2001, 40, 188-189. | 1.9 | 99 |
| 101 | Magnetic phase transitions in manganese(II) pentafluorobenzoate adducts with nitronyl nitroxides. Journal of the American Chemical Society, 1989, 111, 785-786. | 6.6 | 97 |
| 102 | A Decanuclear Manganese Cluster with Oxo and Halide Bridging Ligands: Magnetic Behavior of an S .gtoreq. 12 System. Journal of the American Chemical Society, 1995, 117, 5789-5800. | 6.6 | 96 |
| 103 | Specific heat and magnetic relaxation of the quantum nanomagnetMn12Ac. Physical Review B, 1998, 57, 5021-5024. | 1.1 | 94 |
| 104 | Magnetostructural Correlations in Tetrairon(<scp>III</scp>) Singleâ€Molecule Magnets. Chemistry - A European Journal, 2009, 15, 6456-6467. | 1.7 | 94 |
| 105 | [TmIII(hfac)3(NITPhOPh)]âˆž: A new member of a lanthanide-based Single Chain Magnets family. Inorganica Chimica Acta, 2007, 360, 3807-3812. | 1.2 | 92 |
| 106 | Structure and magnetic properties of a chain compound formed by copper(II) and a tridentate nitronyl nitroxide radical. Inorganic Chemistry, 1991, 30, 3162-3166. | 1.9 | 91 |
| 107 | Magnetic properties of a Mn cluster organic compound. Journal of Magnetism and Magnetic Materials, 1995, 146, 211-213. | 1.0 | 90 |
| 108 | Pentanuclear Octacyanotungstate(V)-Based Molecule with a High Spin Ground StateS=13/2. Inorganic Chemistry, 2002, 41, 1323-1327. | 1.9 | 90 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Crystal Packing Effects on the Magnetic Slow Relaxation of Tb(III)-Nitronyl Nitroxide Radical Cyclic Dinuclear Clusters. Inorganic Chemistry, 2012, 51, 12218-12229. | 1.9 | 90 |
| 110 | The Origin of Transverse Anisotropy in Axially Symmetric Single Molecule Magnets. Journal of the American Chemical Society, 2007, 129, 10754-10762. | 6.6 | 89 |
| 111 | Landauâ€“Zener method to study quantum phase interference of Fe8 molecular nanomagnets (invited). Journal of Applied Physics, 2000, 87, 5481-5486. | 1.1 | 88 |
| 112 | Isolated single-molecule magnets on native gold. Chemical Communications, 2005, , 1640. | 2.2 | 86 |
| 113 | Structural Effects on the Spin Dynamics of Potential Molecular Qubits. Inorganic Chemistry, 2018, 57, 731-740. | 1.9 | 86 |
| 114 | Novel features in the relaxation times of Mn12Ac. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 379-380. | 1.0 | 85 |
| 115 | Delicate Crystal Structure Changes Govern the Magnetic Properties of 1D Coordination Polymers Based on 3d Metal Carboxylates. Chemistry - A European Journal, 2008, 14, 2034-2043. | 1.7 | 85 |
| 116 | Ferro- and antiferromagnetic coupling between metal ions and pyridine-substituted nitronyl nitroxides. Inorganic Chemistry, 1990, 29, 4217-4223. | 1.9 | 84 |
| 117 | Xâ€Ray Magnetic Circular Dichroism Picks out Singleâ€Molecule Magnets Suitable for Nanodevices. Advanced Materials, 2009, 21, 167-171. | 11.1 | 83 |
| 118 | Structure and magnetic properties of chains of diamonds of four spins formed by metal(II) hexafluoroacetylacetonates (metal = cobalt, nickel) and the nitronyl nitroxide radical 4,4,5,5-tetramethyl-2-ethyl-4,5-dihydro-1H-imidazolyl-1-oxyl 3-oxide. Inorganic Chemistry, 1988, 27, 1553-1557. | 1.9 | 82 |
| 119 | Spin canting in a Dy-based single-chain magnet with dominant next-nearest-neighbor antiferromagnetic interactions. Physical Review B, 2009, 79, . | 1.1 | 82 |
| 120 | High-Frequency EPR Spectra for the Analysis of Magnetic Anisotropy in Large Magnetic Clusters. Journal of the American Chemical Society, 1995, 117, 8855-8856. | 6.6 | 81 |
| 121 | A two-qubit molecular architecture for electron-mediated nuclear quantum simulation. Chemical Science, 2018, 9, 6183-6192. | 3.7 | 80 |
| 122 | Crystal structure and magnetic properties of a copper(II) chloride nitronyl nitroxide complex containing six exchange-coupled S = 1/2 spins. Inorganic Chemistry, 1990, 29, 1756-1760. | 1.9 | 79 |
| 123 | Giant Clusters with Unusual Electronic and Magnetic Structures Due to Open Shell Metal Centers Embedded Far Apart from Each Other:Â Spin Frustration and Antisymmetric Exchange. Inorganic Chemistry, 1996, 35, 1926-1934. | 1.9 | 79 |
| 124 | Ferromagnetic order in the sulfur-containing nitronyl nitroxide radical, 2-(4-thiomethyl)phenyl-4,4,5,5-tetramethylimidazoline-l-oxyl-3-oxide, NIT(SMe)Ph. Advanced Materials, 1995, 7, 476-478. | 11.1 | 78 |
| 125 | Magnetization Density in an Iron(III) Magnetic Cluster. A Polarized Neutron Investigation. Journal of the American Chemical Society, 1999, 121, 5342-5343. | 6.6 | 78 |
| 126 | Magnetoâ€Optical Investigations of Nanostructured Materials Based on Singleâ€Molecule Magnets Monitor Strong Environmental Effects. Advanced Materials, 2007, 19, 3906-3911. | 11.1 | 78 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Manganese(III) Formate: A Three-Dimensional Framework That Traps Carbon Dioxide Molecules. Angewandte Chemie - International Edition, 1999, 38, 1780-1782. | 7.2 | 77 |
| 128 | Strong Ferromagnetic Interactions in[V8O14(Hâ˜2taci)2]: An Unprecedented Large Spin Ground State for a Vanadyl Cluster. Angewandte Chemie - International Edition, 2004, 43, 3436-3439. | 7.2 | 77 |
| 129 | Preparation of Novel Materials Using SMMs. , 0, , 133-161. | | 77 |
| 130 | Structure and magnetic properties of manganese(II) carboxylate chains with nitronyl nitroxides and their reduced amidino-oxide derivatives. From random-exchange one-dimensional to two-dimensional magnetic materials. Inorganic Chemistry, 1990, 29, 4228-4234. | 1.9 | 76 |
| 131 | Molecular magnetism, status and perspectives. Solid State Sciences, 2008, 10, 1701-1709. | 1.5 | 75 |
| 132 | Giant spinâ€“phonon bottleneck effects in evaporable vanadyl-based molecules with long spin coherence. Dalton Transactions, 2016, 45, 16635-16643. | 1.6 | 75 |
| 133 | Molecular nanomagnets: the first 10 years. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1030-1036. | 1.0 | 74 |
| 134 | Finite-size effects on the static properties of a single-chain magnet. Physical Review B, 2005, 72, . | 1.1 | 74 |
| 135 | Evidence of intermolecular Ï€-stacking enhancement of second-harmonic generation in a family of single chain magnets. Journal of Materials Chemistry, 2006, 16, 2587-2592. | 6.7 | 74 |
| 136 | Magnetic ordering in a molecular material containing dysprosium(III) and a nitronyl nitroxide. Advanced Materials, 1992, 4, 504-505. | 11.1 | 73 |
| 137 | Quantum-coherent nanoscience. Nature Nanotechnology, 2021, 16, 1318-1329. | 15.6 | 73 |
| 138 | Studies of hysteresis in Mn12Ac. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1891-1892. | 1.0 | 72 |
| 139 | New experimental techniques for magnetic anisotropy in molecular materials. Coordination Chemistry Reviews, 2001, 219-221, 573-604. | 9.5 | 72 |
| 140 | Advances in Single-Molecule Magnet Surface Patterning through Microcontact Printing. Nano Letters, 2005, 5, 1435-1438. | 4.5 | 72 |
| 141 | Tunable Spinâ€“Superconductor Coupling of Spin 1/2 Vanadyl Phthalocyanine Molecules. Nano Letters, 2018, 18, 7955-7961. | 4.5 | 72 |
| 142 | Synthesis, crystal and molecular structure, and magnetic properties of bis[(.mu.-3,5-diamino-1,2,4-triazole-N1,N2-bis(.mu.-3,5-diamino-1,2,4-triazolato-N1,N2)triaquacobalt(II))]cobalt(III) trichloride nonahydrate. Inorganic Chemistry, 1991, 30, 4858-4860. | 1.9 | 71 |
| 143 | Solvothermal synthesis of [Cr10(Î¼-O2CMe)10(Î¼-OR)20] â€˜chromic wheelsâ€™ with antiferromagnetic (R = Et) and ferromagnetic (R = Me) Cr(iii)Â·Â·Â·Cr(iii) interactions. Chemical Communications, 2001, , 89-90. | 2.2 | 71 |
| 144 | Multitechnique investigation of Dy<sub>3</sub> â€“ implications for coupled lanthanide clusters. Chemical Science, 2016, 7, 4347-4354. | 3.7 | 70 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Amine-Templated Polymeric Lanthanide Formates: Synthesis, Characterization, and Applications in Luminescence and Magnetism. Inorganic Chemistry, 2012, 51, 6962-6968. | 1.9 | 69 |
| 146 | Local Magnetic Properties of a Monolayer of Mn12 Single Molecule Magnets. Nano Letters, 2007, 7, 1551-1555. | 4.5 | 68 |
| 147 | Angularâ€Resolved Magnetometry Beyond Triclinic Crystals: Outâ€ofâ€Equilibrium Studies of Cp*ErCOT Singleâ€Molecule Magnet. Chemistry - A European Journal, 2013, 19, 13726-13731. | 1.7 | 67 |
| 148 | Structure and magnetic properties of ferromagnetic alternating spin chains. Inorganic Chemistry, 1990, 29, 2582-2587. | 1.9 | 66 |
| 149 | Erratic magnetic hysteresis of TbPc2 molecular nanomagnets. Journal of Materials Chemistry C, 2013, 1, 2935. | 2.7 | 66 |
| 150 | Magnetic properties of a layered molecular material comprising manganese hexafluoroacetylacetonate and nitronyl nitroxide radicals. Inorganic Chemistry, 1993, 32, 4612-4616. | 1.9 | 65 |
| 151 | Magnetic properties and phase transitions in molecular based materials containing rare earth ions and organic radicals (invited). Journal of Applied Physics, 1993, 73, 5333-5337. | 1.1 | 64 |
| 152 | Thermally assisted macroscopic quantum resonance on a single-crystal of Mn12-acetate. Journal of Applied Physics, 1997, 81, 4608-4610. | 1.1 | 64 |
| 153 | Record Hard Magnets: Glauber Dynamics Are Key. Angewandte Chemie - International Edition, 2008, 47, 5508-5510. | 7.2 | 64 |
| 154 | Covalency and magnetic anisotropy in lanthanide single molecule magnets: the DyDOTA archetype. Chemical Science, 2019, 10, 7233-7245. | 3.7 | 64 |
| 155 | Synthesis, crystal and molecular structure, and magnetic properties of bis[tris(.mu.-3,5-diamino-1,2,4-triazole-N1,N2)tris(thiocyanato-N)nickel(II)]nickel(II) hexahydrate. Inorganic Chemistry, 1990, 29, 143-145. | 1.9 | 63 |
| 156 | Magnetic Bistability in a Submonolayer of Sublimated Fe<sub>4</sub> Single-Molecule Magnets. Nano Letters, 2015, 15, 535-541. | 4.5 | 63 |
| 157 | A Hexairon(III) Complex with Three Nonplanar Î·2-Î¼4-Peroxo Ligands Bridging Two Basic Iron Acetate Units. Journal of the American Chemical Society, 1997, 119, 1037-1042. | 6.6 | 62 |
| 158 | Determination of Magnetic Anisotropy in the LnTRENSAL Complexes (Ln = Tb, Dy, Er) by Torque Magnetometry. Inorganic Chemistry, 2015, 54, 3090-3092. | 1.9 | 62 |
| 159 | Quantum dynamics of a single molecule magnet on superconducting Pb(111). Nature Materials, 2020, 19, 546-551. | 13.3 | 62 |
| 160 | Synthesis, Structure and Magnetic Properties of a Dinuclear Manganese(II) Complex with One ?-Aqua and Two ?-Carboxylato Bridges. Angewandte Chemie International Edition in English, 1989, 28, 1365-1367. | 4.4 | 61 |
| 161 | Trinuclear Lanthanoid Complexes of 1,3,5-Triamino-1,3,5-trideoxy-cis-inositol with a Unique, Sandwich-Type Cage Structure1. Inorganic Chemistry, 1998, 37, 6698-6705. | 1.9 | 60 |
| 162 | A Pseudoâ€Octahedral Cobalt(II) Complex with Bispyrazolylpyridine Ligands Acting as a Zeroâ€Field Singleâ€Molecule Magnet with Easy Axis Anisotropy. Chemistry - A European Journal, 2018, 24, 8857-8868. | 1.7 | 60 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Electric field modulation of magnetic exchange in molecular helices. Nature Materials, 2019, 18, 329-334. | 13.3 | 60 |
| 164 | First-Principles Investigation of Spinâ€“Phonon Coupling in Vanadium-Based Molecular Spin Quantum Bits. Inorganic Chemistry, 2019, 58, 10260-10268. | 1.9 | 59 |
| 165 | Thermal Deposition of Intact Tetrairon(III) Singleâ€Molecule Magnets in Highâ€Vacuum Conditions. Small, 2009, 5, 1460-1466. | 5.2 | 58 |
| 166 | Nanosized Iron Oxide Particles Entrapped in Pseudo-Single Crystals of Î³-Cyclodextrin. Chemistry of Materials, 2004, 16, 2016-2020. | 3.2 | 57 |
| 167 | Magnetic fingerprint of individual Fe4 molecular magnets under compression by a scanning tunnelling microscope. Nature Communications, 2015, 6, 8216. | 5.8 | 56 |
| 168 | Relaxation Dynamics and Magnetic Anisotropy in a Lowâ€Symmetry Dy<sup>III</sup> Complex. Chemistry - A European Journal, 2016, 22, 5552-5562. | 1.7 | 56 |
| 169 | A Family of Ferro- and Antiferromagnetically Coupled Decametallic Chromium(III) Wheels. Chemistry - A European Journal, 2006, 12, 1385-1396. | 1.7 | 55 |
| 170 | Molecular nanomagnets and magnetic nanoparticles: the EMR contribution to a common approach. Physical Chemistry Chemical Physics, 2009, 11, 6555. | 1.3 | 55 |
| 171 | Magnetic and Spectroscopic Investigation of Thermally and Optically Driven Valence Tautomerism in Thioether-Bridged Dinuclear Cobaltâ€“Dioxolene Complexes. Inorganic Chemistry, 2013, 52, 11798-11805. | 1.9 | 55 |
| 172 | Slow Magnetic Relaxation from Hardâ€Axis Metal Ions in Tetranuclear Singleâ€Molecule Magnets. Chemistry - A European Journal, 2010, 16, 10482-10493. | 1.7 | 53 |
| 173 | Magnetism of TbPc2 SMMs on ferromagnetic electrodes used in organic spintronics. Chemical Communications, 2013, 49, 11506. | 2.2 | 53 |
| 174 | Magnetic molecules back in the race. Nature, 2017, 548, 400-401. | 13.7 | 53 |
| 175 | Synthesis and structural and magnetic characterisation of cobalt(ii)â€“sodium phosphonate cage compounds. Dalton Transactions, 2009, , 3102. | 1.6 | 52 |
| 176 | AC Susceptibility Relaxation Studies on a Manganese Organic Cluster Compound: Mn12Ac. , 1995, , 171-188. | | 52 |
| 177 | Magnetically induced optical bi-stability of the molecular nanomagnet Mn12O12(OOCMe)16(H2O)4 in an organic glass. Chemical Communications, 1997, , 1677-1678. | 2.2 | 51 |
| 178 | Spin frustration effects in an odd-member antiferromagnetic ring and the magnetic MÃ¶bius strip. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 55-60. | 1.0 | 50 |
| 179 | New Singleâ€Molecule Magnets by Siteâ€Specific Substitution: Incorporation of â€œAlligator Clipsâ€•into Fe<sub>4</sub> Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 4145-4152. | 1.0 | 50 |
| 180 | Magnetic Anisotropy Trends along a Full 4f-Series: The f<sup>n+7</sup> Effect. Journal of the American Chemical Society, 2021, 143, 8108-8115. | 6.6 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Crystal and molecular structure, magnetic properties and EPR spectra of a trinuclear copper(II) complex with bridging nitronyl nitroxides. Inorganic Chemistry, 1988, 27, 2390-2392. | 1.9 | 49 |
| 182 | Large Magnetic Anisotropy in High Spin Clusters; a Route to Magnetic Hysteresis at the Molecular Level. Molecular Crystals and Liquid Crystals, 1995, 274, 145-157. | 0.3 | 49 |
| 183 | Supramolecular interactions and magnetism of metalâ€“radical chainsâ€Šâ€. Dalton Transactions RSC, 2000, , 3907-3912. | 2.3 | 49 |
| 184 | First evidence of natural superconductivity: covellite. European Journal of Mineralogy, 2006, 18, 283-287. | 0.4 | 49 |
| 185 | A carbon-rich ruthenium decorated dysprosium single molecule magnet. Chemical Communications, 2012, 48, 3948. | 2.2 | 49 |
| 186 | Structure and Magnetic Properties of a Heptanuclear Nickel(II) Compound:Â [Ni7(Î¼-NO2)8(Î¼2-OH)2(Î¼3-OH)2(OHpn)2(Opn)2]2Â·7H2O. Inorganic Chemistry, 1996, 35, 3723-3724. | 1.9 | 47 |
| 187 | High-Frequency EPR Spectra of [Fe<sub>8</sub>O<sub>2</sub>(OH)<sub>12</sub>(tacn)<sub>6</sub>]Br<sub>8</sub>: A Critical Appraisal of the Barrier for the Reorientation of the Magnetization in Single-Molecule Magnets. Chemistry - A European Journal, 2000, 6, 1608-1614. | 1.7 | 47 |
| 188 | Tuning the Magnetic Properties of the High-Spin Molecular Cluster Fe8. ChemPhysChem, 2001, 2, 523-531. | 1.0 | 47 |
| 189 | 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 |
| 190 | Anions Derived from Squaric Acid Form Interionic Ï€-Stack and Layered, Hydrogen-Bonded Superstructures with Organometallic Sandwich Cations: The Magnetic Behaviour of Crystalline [(Î·6-C6H6)2Cr]+[HC4O4]â^'. Chemistry - A European Journal, 2000, 6, 1310-1317. | 1.7 | 46 |
| 191 | Exchange coupling in the magnetic molecular clusterMn12Ac. Physical Review B, 2002, 66, . | 1.1 | 46 |
| 192 | Thermal and optical control of electronic states in a single layer of switchable paramagnetic molecules. Chemical Science, 2015, 6, 2268-2274. | 3.7 | 46 |
| 193 | Robust Magnetic Properties of a Sublimable Single-Molecule Magnet. ACS Nano, 2016, 10, 5663-5669. | 7.3 | 46 |
| 194 | Magnetic ordering in a high-spinFe19molecular nanomagnet. Physical Review B, 2002, 66, . | 1.1 | 45 |
| 195 | Minor changes in phosphonate ligands lead to new hexa- and dodeca-nuclear Mn clusters. Journal of Materials Chemistry, 2006, 16, 2576. | 6.7 | 45 |
| 196 | Magnetic Anisotropy in Pentacoordinate Ni<sup>II</sup> and Co<sup>II</sup> Complexes: Unraveling Electronic and Geometrical Contributions. Chemistry - A European Journal, 2017, 23, 3648-3657. | 1.7 | 45 |
| 197 | Magnetic Bistability of Isolated Giantâ€Spin Centers in a Diamagnetic Crystalline Matrix. Chemistry - A European Journal, 2012, 18, 3390-3398. | 1.7 | 44 |
| 198 | Unveiling phonons in a molecular qubit with four-dimensional inelastic neutron scattering and density functional theory. Nature Communications, 2020, 11, 1751. | 5.8 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | NMR study of the molecular nanomagnet[Fe8(N3C6H15)6O2(OH)12]â‹…[Br8â‹…9H2O]in the high-spin magnetic ground state. Physical Review B, 2001, 64, . | 1.1 | 42 |
| 200 | Nuclear Spin Dynamics in the Quantum Regime of a Single-Molecule Magnet. Physical Review Letters, 2004, 93, 197202. | 2.9 | 42 |
| 201 | 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 |
| 202 | Redoxâ€Controlled Exchange Bias in a Supramolecular Chain of Fe<sub>4</sub> Singleâ€Molecule Magnets. Angewandte Chemie - International Edition, 2015, 54, 8777-8782. | 7.2 | 40 |
| 203 | Angularâ€Resolved Magnetometry Beyond Triclinic Crystals Part II: Torque Magnetometry of Cp*ErCOT Singleâ€Molecule Magnets. Chemistry - A European Journal, 2014, 20, 14051-14056. | 1.7 | 39 |
| 204 | Magnetic properties of dodecanuclear mixed valence iron clusters. Inorganica Chimica Acta, 1996, 243, 295-304. | 1.2 | 38 |
| 205 | Static and dynamic magnetic properties of an[Fe13]cluster. Physical Review B, 2006, 73, . | 1.1 | 38 |
| 206 | One-step covalent grafting of Fe4single-molecule magnet monolayers on gold. Chemical Communications, 2011, 47, 1467-1469. | 2.2 | 38 |
| 207 | Depth-Dependent Spin Dynamics in Thin Films of TbPc<sub>2</sub> Nanomagnets Explored by Low-Energy Implanted Muons. ACS Nano, 2012, 6, 8390-8396. | 7.3 | 38 |
| 208 | A Dy<sub>4</sub> Cubane: A New Member in the Singleâ€Molecule Toroics Family. Angewandte Chemie - International Edition, 2018, 57, 17089-17093. | 7.2 | 38 |
| 209 | Exploring the Organometallic Route to Molecular Spin Qubits: Theâ€‰[CpTi(cot)] Case. Angewandte Chemie - International Edition, 2021, 60, 2588-2593. | 7.2 | 38 |
| 210 | Fast switching of bistable magnetic nanowires through collective spin reversal. Applied Physics Letters, 2005, 87, 073102. | 1.5 | 37 |
| 211 | MÃ¶ssbauer spectroscopy of a monolayer of single molecule magnets. Nature Communications, 2018, 9, 480. | 5.8 | 37 |
| 212 | Templating Open- and Closed-Chain Structures around Metal Complexes of Macrocycles. Angewandte Chemie - International Edition, 2004, 43, 6132-6135. | 7.2 | 36 |
| 213 | Site-specific ligation of anthracene-1,8-dicarboxylates to an Mn12 core: a route to the controlled functionalisation of single-molecule magnets. Chemical Communications, 2004, , 2604. | 2.2 | 35 |
| 214 | Deposition of intact tetrairon(iii) single molecule magnet monolayers on gold: an STM, XPS, and ToF-SIMS investigation. Journal of Materials Chemistry, 2010, 20, 187-194. | 6.7 | 35 |
| 215 | Probing Vibrational Symmetry Effects and Nuclear Spin Economy Principles in Molecular Spin Qubits. Inorganic Chemistry, 2021, 60, 140-151. | 1.9 | 35 |
| 216 | Solvent Effects on the Adsorption and Self-Organization of Mn12 on Au(111). Langmuir, 2007, 23, 11836-11843. | 1.6 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Field Induced 4f5d [Re(salen)]2O3[Dy(hfac)3(H2O)]2 Single Molecule Magnet. Inorganic Chemistry, 2010, 49, 4355-4361. | 1.9 | 34 |
| 218 | Tuning of a Vertical Spin Valve with a Monolayer of Single Molecule Magnets. Advanced Functional Materials, 2017, 27, 1703600. | 7.8 | 34 |
| 219 | Effect of Chiral Domain Walls on the Specific Heat of Gd(hfac)3NITR(R=Ethyl, Isopropyl, Methyl,) Tj ETQq1 1 0.784314 rgBT /Overlock | 2.9 | 33 |
| 220 | Low-temperature thermodynamic properties of molecular magnetic chains. Physical Review B, 1999, 59, 6282-6293. | 1.1 | 33 |
| 221 | Toward the Quantum Computer: Magnetic Molecules Back in the Race. ACS Central Science, 2015, 1, 473-474. | 5.3 | 33 |
| 222 | Disorder effects in Mn12â€“acetate at 83â€…K. Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, m371-m373. | 0.4 | 32 |
| 223 | Heterotopic Helicand for Designing Heterometallic Helicates. Inorganic Chemistry, 2006, 45, 7035-7037. | 1.9 | 32 |
| 224 | An Organic Spin Valve Embedding a Selfâ€Assembled Monolayer of Organic Radicals. Advanced Materials Interfaces, 2016, 3, 1500855. | 1.9 | 32 |
| 225 | Magnetic bistability of a TbPc2 submonolayer on a graphene/SiC(0001) conductive electrode. Nanoscale, 2018, 10, 2715-2720. | 2.8 | 32 |
| 226 | Vanadyl phthalocyanines on graphene/SiC(0001): toward a hybrid architecture for molecular spin qubits. Nanoscale Horizons, 2019, 4, 1202-1210. | 4.1 | 32 |
| 227 | Magnetic anisotropy of Mn12-acetate nanomagnets from high-field torque magnetometry. Chemical Physics Letters, 2000, 322, 477-482. | 1.2 | 31 |
| 228 | Rationalisation of weak ferromagnetism in manganese(iii) chains: the relation between structure and ordering phenomena. Dalton Transactions, 2004, , 632-639. | 1.6 | 31 |
| 229 | Grafting Single Molecule Magnets on Gold Nanoparticles. Small, 2014, 10, 323-329. | 5.2 | 31 |
| 230 | Thermal and light-induced spin transition in a nanometric film of a new high-vacuum processable spin crossover complex. Journal of Materials Chemistry C, 2018, 6, 8885-8889. | 2.7 | 31 |
| 231 | A new approach to the synthesis of heteronuclear propeller-like single molecule magnets. Dalton Transactions, 2013, 42, 4416. | 1.6 | 30 |
| 232 | Single-crystal EPR spectra of copper-manganese bimetallic ferrimagnetic chains. Inorganic Chemistry, 1989, 28, 287-290. | 1.9 | 29 |
| 233 | Structure and magnetic properties of a ring of four spins formed by manganese(II) and a pyridine substituted nitronyl nitroxide. Inorganica Chimica Acta, 1991, 184, 67-71. | 1.2 | 29 |
| 234 | Manganese clusters: a common ground for photosynthesis, quantum tunnelling of the magnetization and colossal magnetoresistanceâ€Š*. Journal of the Chemical Society Dalton Transactions, 1997, , 3963-3970. | 1.1 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Biomimetic hydrolytic activation by Fe(III) aggregates: structures, reactivity and properties of novel oxo-bridged iron complexes. Journal of Inorganic Biochemistry, 2002, 91, 173-189. | 1.5 | 29 |
| 236 | Experimental Spin Density in a Purely Organic Free Radical: Visualisation of the Ferromagnetic Exchange Pathway inp-(Methylthio)phenyl Nitronyl Nitroxide, Nit(SMe)Ph. Chemistry - A European Journal, 1999, 5, 3616-3624. | 1.7 | 28 |
| 237 | Enhanced Vapor-Phase Processing in Fluorinated Fe<sub>4</sub> Single-Molecule Magnets. Inorganic Chemistry, 2013, 52, 5897-5905. | 1.9 | 28 |
| 238 | Low-Temperature Magnetic Force Microscopy on Single Molecule Magnet-Based Microarrays. Nano Letters, 2017, 17, 1899-1905. | 4.5 | 28 |
| 239 | Controlled coherent dynamics of [VO(TPP)], a prototype molecular nuclear qudit with an electronic ancilla. Chemical Science, 2021, 12, 12046-12055. | 3.7 | 28 |
| 240 | Molecular based magnetic materials. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 2092-2095. | 1.0 | 27 |
| 241 | Molecular nanomagnetism in Florence: Advancements and perspectives. Inorganica Chimica Acta, 2008, 361, 3356-3364. | 1.2 | 27 |
| 242 | Single-atom data storage. Nature, 2017, 543, 189-190. | 13.7 | 27 |
| 243 | Magnetic Anisotropy Drives Magnetochiral Dichroism in a Chiral Molecular Helix Probed with Visible Light. Journal of the American Chemical Society, 2020, 142, 13908-13916. | 6.6 | 27 |
| 244 | Redox- and solvato-magnetic switching in a tetrathiafulvalene-based triad single-molecule magnet. Inorganic Chemistry Frontiers, 2020, 7, 2322-2334. | 3.0 | 27 |
| 245 | High-frequency EPR: An occasion for revisiting ligand field theory. Applied Magnetic Resonance, 2001, 21, 299-310. | 0.6 | 26 |
| 246 | Optically addressable single molecule magnet behaviour of vacuum-sprayed ultrathin films. Journal of Materials Chemistry, 2008, 18, 109-115. | 6.7 | 26 |
| 247 | Finite-size effects on the dynamic susceptibility of CoPhOMe single-chain molecular magnets in presence of a static magnetic field. Physical Review B, 2011, 84, . | 1.1 | 26 |
| 248 | Magnetic and optical bistability in tetrairon(iii) single molecule magnets functionalized with azobenzene groups. Dalton Transactions, 2012, 41, 8368. | 1.6 | 26 |
| 249 | Origin and spectroscopic determination of trigonal anisotropy in a heteronuclear single-molecule magnet. Physical Review B, 2013, 88, . | 1.1 | 26 |
| 250 | Storage and retrieval of microwave pulses with molecular spin ensembles. Npj Quantum Information, 2020, 6, . | 2.8 | 26 |
| 251 | Enhancement of the Magnetic Coupling in Exfoliated CrCl<sub>3</sub> Crystals Observed by Lowâ€Temperature Magnetic Force Microscopy and Xâ€ray Magnetic Circular Dichroism. Advanced Materials, 2020, 32, e2000566. | 11.1 | 26 |
| 252 | Stepwise substituting magnetic centres in a giant cluster host system. Inorganica Chimica Acta, 1998, 271, 9-12. | 1.2 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Probing the magnetic ground state of the molecular dysprosium triangle with muon spin relaxation. Physical Review B, 2010, 82, . | 1.1 | 25 |
| 254 | Valence electronic structure of sublimated Fe<sub>4</sub>single-molecule magnets: an experimental and theoretical characterization. Journal of Materials Chemistry C, 2014, 2, 9599-9608. | 2.7 | 25 |
| 255 | Spin Helicity in Chiral Lanthanide Chains. Inorganic Chemistry, 2016, 55, 10068-10074. | 1.9 | 25 |
| 256 | Propellerâ€Shaped Fe<sub>4</sub> and Fe<sub>3</sub>M Molecular Nanomagnets: A Journey from Crystals to Addressable Single Molecules. European Journal of Inorganic Chemistry, 2019, 2019, 552-568. | 1.0 | 25 |
| 257 | Assessing the Nature of Chiral-Induced Spin Selectivity by Magnetic Resonance. Journal of Physical Chemistry Letters, 2021, 12, 6341-6347. | 2.1 | 25 |
| 258 | One-dimensional antiferromagnetism in a linear chain containing zinc(II) and a nitronyl nitroxide. Inorganic Chemistry, 1991, 30, 1882-1886. | 1.9 | 24 |
| 259 | Mapping of single-site magnetic anisotropy tensors in weakly coupled spin clusters by torque magnetometry. Physical Chemistry Chemical Physics, 2014, 16, 17220. | 1.3 | 24 |
| 260 | Slow quantum relaxation in a tetrairon(III) single-molecule magnet. Inorganica Chimica Acta, 2008, 361, 3481-3488. | 1.2 | 23 |
| 261 | A Combined Ion Scattering, Photoemission, and DFT Investigation on the Termination Layer of a La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> Spin Injecting Electrode. Journal of Physical Chemistry C, 2014, 118, 13631-13637. | 1.5 | 23 |
| 262 | Experimental and Theoretical Studies on the Magnetic Anisotropy in Lanthanide(III)â€Centered Fe<sub>3</sub>Ln Propellers. Chemistry - A European Journal, 2015, 21, 12171-12180. | 1.7 | 23 |
| 263 | A proposal for using molecular spin qudits as quantum simulators of lightâ€“matter interactions. Journal of Materials Chemistry C, 2021, 9, 10266-10275. | 2.7 | 23 |
| 264 | Characterisation of the antiferromagnetic transition of Cu 2 FeSnS 4 , the synthetic analogue of stannite. Physics and Chemistry of Minerals, 2004, 31, 190-193. | 0.3 | 22 |
| 265 | Spinning into control. Nature Chemistry, 2010, 2, 346-347. | 6.6 | 22 |
| 266 | Single molecule magnets grafted on gold: magnetic properties from ab initio molecular dynamics. Journal of Materials Chemistry C, 2015, 3, 7294-7304. | 2.7 | 22 |
| 267 | Molecular Order in Buried Layers of TbPc<sub>2</sub> Singleâ€Molecule Magnets Detected by Torque Magnetometry. Advanced Materials, 2016, 28, 6946-6951. | 11.1 | 22 |
| 268 | Crystal structures, magnetic and non-linear optical properties of methoxyphenyl nitronylâ€“nitroxide radicals. Journal of Materials Chemistry, 1994, 4, 1047-1053. | 6.7 | 21 |
| 269 | Gd(hfac)3NITEt molecular magnetic chain. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1649-1650. | 1.0 | 21 |
| 270 | Elektronenstruktur von Mangan(<scp>III</scp>)â€Verbindungen aus Hochfrequenzâ€EPRâ€Spektren. Angewandte Chemie, 1997, 109, 2423-2426. | 1.6 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Giant Isotope Effect in the Incoherent Tunneling Specific Heat of the Molecular NanomagnetFe8. Physical Review Letters, 2005, 95, 227206. | 2.9 | 21 |
| 272 | Tetrairon(III) Single-Molecule Magnet Monolayers on Gold: Insights from ToF-SIMS and Isotopic Labeling. Langmuir, 2014, 30, 8645-8649. | 1.6 | 21 |
| 273 | Exploring the Organometallic Route to Molecular Spin Qubits: Theâ€‰[CpTi(cot)] Case. Angewandte Chemie, 2021, 133, 2620-2625. | 1.6 | 21 |
| 274 | Bent Metallocenes Containing Ancillary Ligands in Ring-Bridging Chains. Synthesis, Spectroscopy, and X-ray Crystal Structure of [2,6-Bis(methylenecyclopentadienyl)pyridine]chromium(II). Organometallics, 1994, 13, 1746-1750. | 1.1 | 20 |
| 275 | A Spin Topological Model for the g = 4.1 S2 State Photosystem II Water Oxidase Manganese Aggregate. Journal of the American Chemical Society, 1999, 121, 3537-3538. | 6.6 | 20 |
| 276 | High-field/high-frequency EPR studies of spin clusters with integer spin: the multi-frequency approach. Magnetic Resonance in Chemistry, 2005, 43, S183-S191. | 1.1 | 20 |
| 277 | Adding Remnant Magnetization and Anisotropic Exchange to Propellerâ€‐like Singleâ€‐Molecule Magnets through Chemical Design. Chemistry - A European Journal, 2014, 20, 13681-13691. | 1.7 | 20 |
| 278 | Magnetic Bistability in Lanthanide-Based Molecular Systems: The Role of Anisotropy and Exchange Interactions. Fundamental Theories of Physics, 2016, , 91-139. | 0.1 | 20 |
| 279 | Synthesis, molecular structure, and magnetic properties of [CuLNi(H2O)2LCu][ClO4]2Â·4H2O [H2L =N,Nâ€²-bis(3-amino-2,2-dimethylpropyl)oxamide] and its trinickel homologue. Journal of the Chemical Society Dalton Transactions, 1991, , 2133-2137. | 1.1 | 19 |
| 280 | Nuclear spin-lattice relaxation in the one-dimensional ferrimagnet manganese complex | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Synthesis, crystal and molecular structure and magnetic properties of bis[(Î¼-hydroxo)bis(Î¼-2,5-diamino-1,3,4-thiadiazole-N1,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (N2)chloroaqua(2,5-d Inorganica Chimica Acta, 1992, 195, 157-161. | 1.2 | 16 |
| 290 | catena-Î¼-(3,5-Diamino-1,2,4-triazole-N2,N4)-bis(thiocyanato-N)manganese(II). Synthesis, crystal structure, infrared and magnetic characterization. Inorganica Chimica Acta, 1993, 205, 53-57. | 1.2 | 16 |
| 291 | Computational Studies on SAMs of {Mn<sub>6</sub>} SMMs on Au(111): Do Properties Change upon Grafting?. Journal of Physical Chemistry C, 2013, 117, 7186-7190. | 1.5 | 16 |
| 292 | Plasmon-enhanced magneto-optical detection of single-molecule magnets. Materials Horizons, 2019, 6, 1148-1155. | 6.4 | 16 |
| 293 | Spinâ€“Electric Coupling in a Cobalt(II)â€Based Spin Triangle Revealed by Electricâ€Fieldâ€Modulated Electron Spin Resonance Spectroscopy. Angewandte Chemie - International Edition, 2021, 60, 8832-8838. | 7.2 | 16 |
| 294 | Introduction of ester and amido functions in tetrairon(iii) single-molecule magnets: synthesis and physical characterization. Dalton Transactions, 2010, 39, 5851. | 1.6 | 15 |
| 295 | Single molecule magnet behaviour in a rare trinuclear {Cr<sup>III</sup>DyIII2} methoxo-bridged complex. Dalton Transactions, 2015, 44, 15769-15773. | 1.6 | 15 |
| 296 | Combined first-principles and thermodynamic approach to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>M</mml:mi></mml:math>-nitronyl nitroxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mi>M</mml:mi></mml:math>=) Tj ETQq0 0 0 rgBT | 1.1 | 15 |
| 297 | A Rare Example of Four-Coordinate Nonoxido Vanadium(IV) Alkoxide in the Solid State: Structure, Spectroscopy, and Magnetization Dynamics. Inorganic Chemistry, 2018, 57, 11393-11403. | 1.9 | 15 |
| 298 | Isotope effects on the spin dynamics of single-molecule magnets probed using muon spin spectroscopy. Chemical Communications, 2018, 54, 7826-7829. | 2.2 | 15 |
| 299 | Temperature Dependence of Spinâ€“Phonon Coupling in [VO(acac)<sub>2</sub>]: A Computational and Spectroscopic Study. Journal of Physical Chemistry C, 2021, 125, 22100-22110. | 1.5 | 15 |
| 300 | A dysprosium single molecule magnet outperforming current pseudocontact shift agents. Chemical Science, 2022, 13, 5860-5871. | 3.7 | 15 |
| 301 | Isotopic effect on the quantum tunneling of the magnetization of molecular nanomagnets. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1954-1960. | 1.0 | 14 |
| 302 | Magnetism: General Introduction. , 2003, , 393-419. | | 14 |
| 303 | Synthesis and characterization of new oligomeric and polymeric complexes based on the [CuII(bpca)]+ unit [Hbpca=bis(2-pyridylcarbonyl)amine]. Inorganica Chimica Acta, 2011, 376, 538-548. | 1.2 | 14 |
| 304 | Inelastic neutron scattering studies on the odd-membered antiferromagnetic wheel Cr8Ni. Physical Review B, 2012, 86, . | 1.1 | 14 |
| 305 | Proof of Principle: Immobilisation of Robust Cu<sup>II</sup><sub>3</sub>Tb<sup>III</sup>â€Macrocycles on Small, Suitably Preâ€functionalised Gold Nanoparticles. Chemistry - A European Journal, 2017, 23, 2517-2521. | 1.7 | 14 |
| 306 | Nitronyl nitroxide radicals at the interface: a hybrid architecture for spintronics. Rendiconti Lincei, 2018, 29, 623-630. | 1.0 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 307 | Ultralow-temperature device dedicated to soft X-ray magnetic circular dichroism experiments. Journal of Synchrotron Radiation, 2018, 25, 1727-1735. | 1.0 | 14 |
| 308 | Synthesis, crystal and molecular structure and magnetic properties of [Ni3(L1)4(NCS)4(OH)2(OH2)2](L1= 2,5-diamino-1,3,4-thiadiazole). Journal of the Chemical Society Dalton Transactions, 1991, , 2331. | 1.1 | 13 |
| 309 | Wernsdorfer, Paulsen, and Sessoli Reply:. Physical Review Letters, 2000, 84, 5678-5678. | 2.9 | 13 |
| 310 | Effects of intercluster coupling in high spin molecular magnets. Journal of Physics and Chemistry of Solids, 2004, 65, 745-748. | 1.9 | 13 |
| 311 | The Challenge of Thermal Deposition of Coordination Compounds: Insight into the Case of an Fe<sub>4</sub> Single Molecule Magnet. Chemistry of Materials, 2016, 28, 7693-7702. | 3.2 | 13 |
| 312 | Single Crystal Investigations Unravel the Magnetic Anisotropy of the â€œSquare-In Squareâ€•Cr4Dy4 SMM Coordination Cluster. Frontiers in Chemistry, 2019, 7, 6. | 1.8 | 13 |
| 313 | Crystal structure and magnetic properties of Cu(hfa)2NITPrn, a one-dimensional ferromagnet. Journal of Materials Chemistry, 1992, 2, 1283. | 6.7 | 12 |
| 314 | Experimental spin density in the high spin ground state of the Fe8pcl cluster. Inorganica Chimica Acta, 2007, 360, 3802-3806. | 1.2 | 12 |
| 315 | XAS and XMCD of Single Molecule Magnets. Springer Proceedings in Physics, 2010, , 279-311. | 0.1 | 11 |
| 316 | Iodinated Bis(phthalocyaninato)terbium(III) Complexes: Versatile Platforms for Functionalization of Singleâ€•Molecule Magnets through Sonogashira Reaction. European Journal of Organic Chemistry, 2015, 2015, 7036-7042. | 1.2 | 11 |
| 317 | Structure, magnetic properties and thermal sublimation of fluorinated Fe 4 Single-Molecule Magnets. Polyhedron, 2017, 128, 9-17. | 1.0 | 11 |
| 318 | Stabilization of an Enantiopure Subâ€•monolayer of Helicene Radical Cations on a Au(111) Surface through Noncovalent Interactions. Angewandte Chemie - International Edition, 2021, 60, 15276-15280. | 7.2 | 11 |
| 319 | Heat capacity anomalies in Fe8 single crystal. Journal of Magnetism and Magnetic Materials, 1999, 195, L253-L255. | 1.0 | 10 |
| 320 | A novel class of tetrairon(III) single-molecule magnets with graphene-binding groups. Polyhedron, 2009, 28, 2029-2035. | 1.0 | 10 |
| 321 | Very high field EPR study of a molecular nanomagnet. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 709-710. | 1.0 | 9 |
| 322 | Finite size effects on the experimental observables of the Glauber model: a theoretical and experimental investigation. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 297-298. | 1.0 | 9 |
| 323 | Hetero-bimetallic yttrium(III)â€“rhenium(V)(salen) tetranuclear complex: Synthesis and crystal structure. Inorganic Chemistry Communication, 2007, 10, 471-474. | 1.8 | 9 |
| 324 | Magneto-optical studies on the molecular cluster Fe4 in different polymeric environments. Inorganica Chimica Acta, 2008, 361, 3970-3974. | 1.2 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 325 | A TbPc<sub>2</sub> sub-monolayer deposit on a titanium dioxide ultrathin film: magnetic, morphological, and chemical insights. Journal of Materials Chemistry C, 2021, 9, 15011-15017. | 2.7 | 9 |
| 326 | Electron transitions in magnetic clusters Mn12-Ac at submillimeter wavelengths. Physica B: Condensed Matter, 2000, 284-288, 1221-1222. | 1.3 | 8 |
| 327 | Quantum phase interference in magnetic molecular clusters. Physica B: Condensed Matter, 2000, 284-288, 1231-1232. | 1.3 | 8 |
| 328 | Second harmonic generation in a molecular magnetic chain. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1402-1408. | 0.8 | 8 |
| 329 | UHV deposition and characterization of a mononuclear iron(III) Î²-diketonate complex on Au(111). Beilstein Journal of Nanotechnology, 2014, 5, 2139-2148. | 1.5 | 8 |
| 330 | Toward Mesoscale Properties of Self-Assembled Monolayers of SMM on Au(111): An Integrated Ad Hoc FF and DFT Study. Journal of Physical Chemistry C, 2016, 120, 14774-14781. | 1.5 | 8 |
| 331 | The disclosure of mesoscale behaviour of a 3d-SMM monolayer on Au(111) through a multilevel approach. Nanoscale, 2018, 10, 4096-4104. | 2.8 | 8 |
| 332 | Magnetic molecules as local sensors of topological hysteresis of superconductors. Nature Communications, 2022, 13, . | 5.8 | 8 |
| 333 | Magnetic Materials Formed by Metal Ions and Nitroxides. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1989, 176, 329-336. | 0.3 | 7 |
| 334 | Ordered bimetallic-radical species forming low-dimensional magnetic materials. Chemistry of Materials, 1992, 4, 204-209. | 3.2 | 7 |
| 335 | Magnetic field dependent thermodynamics of Fe8 single crystal in the thermally activated regime. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 915-920. | 1.0 | 7 |
| 336 | Rational enhancement of the coordination capability of Ru(III)(salen)-nitronyl nitroxide building block: A step towards 2pâ€“3dâ€“4d magnetic edifices. Inorganica Chimica Acta, 2008, 361, 3427-3431. | 1.2 | 7 |
| 337 | XMCD of a single layer of single molecule magnets. European Physical Journal: Special Topics, 2009, 169, 167-173. | 1.2 | 7 |
| 338 | Promotion of antiferromagnetic exchange interaction in multinuclear copper(<scp>ii</scp>) complexes via fused oxamato/oxamidato ligands. Dalton Transactions, 2018, 47, 16164-16181. | 1.6 | 7 |
| 339 | Engineering Chemisorption of Fe<sub>4</sub> Singleâ€Molecule Magnets on Gold. Advanced Materials Interfaces, 2021, 8, 2101182. | 1.9 | 7 |
| 340 | Preparation and properties of uniform colloidal particles of mixed copper(II)-lanthanide(III) compounds. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 108, 305-313. | 2.3 | 6 |
| 341 | Magnetism of Materials Formed by Metal Ions and Radicals. Molecular Crystals and Liquid Crystals, 1996, 279, 177-194. | 0.3 | 6 |
| 342 | Quantum tunneling of magnetization in Mn12Bz clusters: Evidences of spin parity effect. Journal of Applied Physics, 2000, 87, 6004-6006. | 1.1 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 343 | High-field torque magnetometry for investigating magnetic anisotropy in Mn12-acetate nanomagnets. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 2012-2014. | 1.0 | 6 |
| 344 | Magnetization density in a Mn high-spin (S = 12) magnetic cluster. Physica B: Condensed Matter, 1997, 241-243, 600-602. | 1.3 | 5 |
| 345 | Quantum hole digging in magnetic molecular clusters. Physica B: Condensed Matter, 2000, 284-288, 1229-1230. | 1.3 | 5 |
| 346 | Tuneable energy barriers in tetrairon(III) single-molecule magnets. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E749-E751. | 1.0 | 5 |
| 347 | Ferromagnetic Ordering in Bis(benzene)chromium(+) Bis(4,5-dimethoxybenzene-1,2-dithiolato)nickel(â^'). Inorganic Chemistry, 2004, 43, 1986-1991. | 1.9 | 5 |
| 348 | A Dy<sub>4</sub> Cubane: A New Member in the Singleâ€Molecule Toroics Family. Angewandte Chemie, 2018, 130, 17335-17339. | 1.6 | 5 |
| 349 | Structural Magnetic Correlations in Phase Transitions of Molecular Magnets. , 1991, , 215-232. | | 5 |
| 350 | Cover Picture: Angew. Chem. Int. Ed. 3/2003. Angewandte Chemie - International Edition, 2003, 42, 243-243. | 7.2 | 4 |
| 351 | From multidomain particles to organic radicals: The multifaceted magnetic properties of tobacco and cigarette ash. Inorganica Chimica Acta, 2008, 361, 3882-3886. | 1.2 | 4 |
| 352 | Local spin dynamics in doped cobalt(II)-radical magnetic chains studied by 1H NMR. Inorganica Chimica Acta, 2008, 361, 4107-4112. | 1.2 | 4 |
| 353 | Quasi-Hexagonal to Lepidocrocite-like Transition in TiO2 Ultrathin Films on Cu(001). Journal of Physical Chemistry C, 2021, 125, 10621-10630. | 1.5 | 4 |
| 354 | Substrate mediated interaction of terbium(<scp>iii</scp>) double-deckers with the TiO<sub>2</sub>(110) surface. Physical Chemistry Chemical Physics, 2021, 23, 12060-12067. | 1.3 | 4 |
| 355 | All in one. Nature Physics, 2021, 17, 1192-1193. | 6.5 | 4 |
| 356 | Longitudinal and transverse NMR relaxivities of Ln(III)-DOTA complexes: A comprehensive investigation. Journal of Chemical Physics, 2021, 155, 214201. | 1.2 | 4 |
| 357 | Spin density in a ferromagnetic nitronyl nitroxide free radical. Physica B: Condensed Matter, 1999, 267-268, 51-55. | 1.3 | 3 |
| 358 | Proton NMR and susceptibility measurements on the magnetic core of ferritin. Applied Magnetic Resonance, 2000, 19, 557-562. | 0.6 | 3 |
| 359 | Spin Dynamics of the Molecular Nanomagnet Fe8 Studied by 1 H-NMR. Molecular Crystals and Liquid Crystals, 2002, 379, 191-196. | 0.4 | 3 |
| 360 | Insertion of a functionalised single molecule magnet into preformed self-assembled monolayers. Inorganica Chimica Acta, 2008, 361, 3944-3950. | 1.2 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 361 | Resonance THz spectroscopy in high magnetic fields. Comptes Rendus Physique, 2013, 14, 106-114. | 0.3 | 3 |
| 362 | Italian Research at a Turning Point: An Opportunity that Cannot Be Missed. Angewandte Chemie - International Edition, 2015, 54, 1374-1375. | 7.2 | 3 |
| 363 | Unbiased evaluation of zero-field splitting D parameter in high-spin molecules from DC magnetic data with incomplete powder averaging. Journal of Magnetism and Magnetic Materials, 2020, 510, 166713. | 1.0 | 3 |
| 364 | Tackling the challenge of controlling the spin with electric field. National Science Review, 2021, 8, nwaa267. | 4.6 | 3 |
| 365 | Assembling Magnetic Blocks or How Long Does it Take to Reach Infinity?. , 1996, , 411-430. | | 3 |
| 366 | Investigation of a Tetrathiafulvalene-Based Fe2+ Thermal Spin Crossover Assembled on Gold Surface. Magnetochemistry, 2022, 8, 14. | 1.0 | 3 |
| 367 | Resonant quantum tunneling of the magnetization beyond the giant spin approximation. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1097-1098. | 1.0 | 2 |
| 368 | Micro-Hall magnetometry on a Co-organic chain compound. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1079-1080. | 1.0 | 2 |
| 369 | Magnetism: General Introductionâ˜†. , 2015, , . | | 2 |
| 370 | What IS Inorganic Chemistry?. Inorganic Chemistry, 2019, 58, 9515-9516. | 1.9 | 2 |
| 371 | S-Functionalized Tripods with Monomethylene Spacers: Routes to Tetrairon(III) Single-Molecule Magnets with Ultrashort Tethering Groups. Magnetochemistry, 2020, 6, 55. | 1.0 | 2 |
| 372 | Synthetic Pathways to Low-Dimensional Compounds Containing Transition Metal Ions and Nitroxide Radicals. NATO ASI Series Series B: Physics, 1987, , 381-384. | 0.2 | 2 |
| 373 | Quantum Tunneling of the Magnetization in Molecular Nanoclusters. Springer Series in Cluster Physics, 2003, , 55-82. | 0.3 | 2 |
| 374 | Origin of Superparamagnetic-Like Behavior in Large Molecular Clusters. ACS Symposium Series, 1996, , 157-169. | 0.5 | 1 |
| 375 | New Magnetic Properties Emerging from Zero- and One-Dimensional Molecular Materials. , 1996, , 289-307. | | 1 |
| 376 | Magnetism from the Molecular to the Nanoscale. , 2003, , 779-813. | | 1 |
| 377 | A novel tripodal ligand with organosulfur alligator clips for deposition of tetrairon(III) single-molecule magnets on gold. Polyhedron, 2011, 30, 2960-2964. | 1.0 | 1 |
| 378 | The Intricate Determination of Magnetic Anisotropy in Quasi-octahedral Vanadium(III): An HF-EPR and Magnetic Study. Applied Magnetic Resonance, 2020, 51, 1233-1250. | 0.6 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 379 | Spinâ€elektrische Kopplung in einem Cobalt(II)â€basierten Spindreieck, gezeigt mithilfe elektrischesâ€Feldâ€modulierter Elektronenspinresonanzspektroskopie. Angewandte Chemie, 2021, 133, 8914-8920. | 1.6 | 1 |
| 380 | Stabilization of an Enantiopure Subâ€monolayer of Helicene Radical Cations on a Au(111) Surface through Noncovalent Interactions. Angewandte Chemie, 2021, 133, 15404-15408. | 1.6 | 1 |
| 381 | Magnetic Molecular Materials. , 1992, , 147-160. | | 1 |
| 382 | A tetrairon(III) single-molecule magnet and its solvatomorphs: synthesis, crystal structures and vapor-phase processing. Inorganica Chimica Acta, 2022, 531, 120698. | 1.2 | 1 |
| 383 | Polynuclear iron complexes: Three new structural types.. Journal of Inorganic Biochemistry, 1993, 51, 484. | 1.5 | 0 |
| 384 | Large Metal Ion Clusters - Small Magnetic Particles. , 1996, , 517-531. | | 0 |
| 385 | Magnetic Properties of Large Clusters. , 0, , 63-108. | | 0 |
| 386 | Quantum Tunneling of Magnetization and Related Phenomena in Molecular Materials. ChemInform, 2003, 34, no. | 0.1 | 0 |
| 387 | Quantum tunnelling of the magnetisation in molecular nanomagnets. Europhysics News, 2003, 34, 41-45. | 0.1 | 0 |
| 388 | Molecular Nanomagnets: The First 10 Years. ChemInform, 2004, 35, no. | 0.1 | 0 |
| 389 | Inter-cluster coupling effects in high-spin molecular magnets. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E763-E764. | 1.0 | 0 |
| 390 | 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 |
| 391 | Proof of Principle: Immobilisation of Robust CuII 3 TbIII -Macrocycles on Small, Suitably Pre-functionalised Gold Nanoparticles. Chemistry - A European Journal, 2017, 23, 2480-2480. | 1.7 | 0 |
| 392 | Spin Dynamics and Phonons, Insights into Potential Molecular Qubits. Proceedings (mdpi), 2019, 26, 46. | 0.2 | 0 |
| 393 | QUANTUM EFFECTS IN SINGLE-MOLECULE NANOMAGNETS. , 2000, , . | | 0 |
| 394 | Quantum Effects in the Dynamics of the Magnetization in Single Molecule Magnets. , 2001, , 215-223. | | 0 |
| 395 | Towards Nanoscale Molecular Magnetic Materials. , 1996, , 171-192. | | 0 |
| 396 | Polyoxometalate Chemistry: a Source for Unusual Spin Topologies. , 2001, , 319-328. | | 0 |