

# Daniel Ruiz-Molina

## List of Publications by Year in descending order

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Version: 2024-02-01

183  
papers

9,600  
citations

66343

42  
h-index

43889

91  
g-index

202  
all docs

202  
docs citations

202  
times ranked

10658  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Old materials with new tricks: multifunctional open-framework materials. <i>Chemical Society Reviews</i> , 2007, 36, 770.  | 38.1 | 1,037     |
| 2  | Catecholâ€Based Biomimetic Functional Materials. <i>Advanced Materials</i> , 2013, 25, 653-701.  | 21.0 | 638       |
| 3  | A nanoporous molecular magnet with reversible solvent-induced mechanical and magnetic properties. <i>Nature Materials</i> , 2003, 2, 190-195.  | 27.5 | 633       |
| 4  | The Chemistry behind Catecholâ€Based Adhesion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 696-714.   | 13.8 | 509       |
| 5  | Magnetic nanoporous coordination polymers. <i>Journal of Materials Chemistry</i> , 2004, 14, 2713.   | 6.7  | 461       |
| 6  | Valence Tautomerism: New Challenges for Electroactive Ligands. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2957-2971.   | 2.0  | 299       |
| 7  | Coordination polymer particles as potential drug delivery systems. <i>Chemical Communications</i> , 2010, 46, 4737.  | 4.1  | 224       |
| 8  | Metalâ€Organic Spheres as Functional Systems for Guest Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2325-2329.  | 13.8 | 192       |
| 9  | Coordination polymer nanoparticles in medicine. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2839-2847.  | 18.8 | 153       |
| 10 | Valenceâ€Tautomeric Metalâ€Organic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1857-1860.  | 13.8 | 143       |
| 11 | Advances on structuring, integration and magnetic characterization of molecular nanomagnets on surfaces and devices. <i>Chemical Society Reviews</i> , 2012, 41, 258-302.  | 38.1 | 135       |
| 12 | Magnetic Information Storage on Polymers by Using Patterned Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 888-892.   | 13.8 | 134       |
| 13 | A Molecular Multiproperty Switching Array Based on the Redox Behavior of a Ferrocenyl Polychlorotriphenylmethyl Radical. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5266-5268.                   | 13.8 | 133       |
| 14 | Valence tautomerism: More actors than just electroactive ligands and metal ions. <i>Comptes Rendus Chimie</i> , 2008, 11, 1137-1154.   | 0.5  | 131       |
| 15 | Recent advances in porous nanoparticles for drug delivery in antitumoral applications: inorganic nanoparticles and nanoscale metal-organic frameworks. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 783-796. | 5.0  | 121       |
| 16 | Advances on the nanostructuring of magnetic molecules on surfaces: the case of single-molecule magnets (SMM). <i>Chemical Communications</i> , 2007, , 3699.   | 4.1  | 100       |
| 17 | Influence of Topology on the Long-Range Electron-Transfer Phenomenon. <i>Chemistry - A European Journal</i> , 2001, 7, 240-250.  | 3.3  | 98        |
| 18 | A New Valence Tautomerism Example in an Electroactive Ferrocene Substituted Triphenylmethyl Radical. <i>Journal of the American Chemical Society</i> , 2003, 125, 1462-1463.                                       | 13.7 | 95        |

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|----|---|------|-----------|
| 19 | A Robust Purely Organic Nanoporous Magnet. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1828-1832.  | 13.8 | 93        |
| 20 | Versatile Nanostructured Materials via Direct Reaction of Functionalized Catechols. <i>Advanced Materials</i> , 2013, 25, 2066-2070.  | 21.0 | 93        |
| 21 | Solvent Tuning from Normal to Inverted Marcus Region of Intramolecular Electron Transfer in Ferrocene-Based Organic Radicals. <i>Journal of the American Chemical Society</i> , 2007, 129, 6117-6129. | 13.7 | 87        |
| 22 | 2-D Self-assembly of the bis(phthalocyaninato)terbium(iii) single-molecule magnet studied by scanning tunnelling microscopy. <i>Chemical Communications</i> , 2006, , 2866-2868.                      | 4.1  | 86        |
| 23 | Isolated Single-Molecule Magnets on the Surface of a Polymeric Thin Film. <i>Advanced Materials</i> , 2003, 15, 42-45.  | 21.0 | 85        |
| 24 | Coexistence of ferro- and antiferromagnetic interactions in a metal-organic radical-based (6,3)-helical network with large channels. <i>Chemical Communications</i> , 2005, , 5035.                   | 4.1  | 81        |
| 25 | Redox-Tunable Valence Tautomerism in a Cobalt Schiff Base Complex. <i>Inorganic Chemistry</i> , 2000, 39, 617-619.  | 4.0  | 77        |
| 26 | A Robust Nanocontainer Based on a Pure Organic Free Radical. <i>Journal of the American Chemical Society</i> , 2004, 126, 730-731.  | 13.7 | 75        |
| 27 | Radical para-Benzoic Acid Derivatives: Transmission of Ferromagnetic Interactions through Hydrogen Bonds at Long Distances. <i>Chemistry - A European Journal</i> , 2002, 8, 3635.                    | 3.3  | 70        |
| 28 | Effect of surfactants on the performance of tubular and spherical micromotors – a comparative study. <i>RSC Advances</i> , 2014, 4, 20334-20340.  | 3.6  | 58        |
| 29 | Temperature-Controlled Switchable Photochromism in Solid Materials. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15044-15048.   | 13.8 | 58        |
| 30 | Ordered Patterning of Nanometric Rings of Single Molecule Magnets on Polymers by Lithographic Control of Demixing. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11607-11610.                   | 2.6  | 55        |
| 31 | Solid Materials with Tunable Reverse Photochromism. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 11884-11892.  | 8.0  | 54        |
| 32 | Mussel-Inspired Hydrophobic Coatings for Water-Repellent Textiles and Oil Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 17616-17625.  | 8.0  | 50        |
| 33 | Dual $T_1$ / $T_2$ Nanoscale Coordination Polymers as Novel Contrast Agents for MRI: A Preclinical Study for Brain Tumor. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38819-38832.      | 8.0  | 50        |
| 34 | Bioinspired Theranostic Coordination Polymer Nanoparticles for Intranasal Dopamine Replacement in Parkinson's Disease. <i>ACS Nano</i> , 2021, 15, 8592-8609.   | 14.6 | 50        |
| 35 | Carboxyl Group ( $\text{CO}_2\text{H}$ ) Functionalized Coordination Polymer Nanoparticles as Efficient Platforms for Drug Delivery. <i>Chemistry - A European Journal</i> , 2014, 20, 15443-15450.   | 3.3  | 49        |
| 36 | High-Throughput Topographic, Mechanical, and Biological Screening of Multilayer Films Containing Mussel-Inspired Biopolymers. <i>Advanced Functional Materials</i> , 2016, 26, 2745-2755.             | 14.9 | 49        |

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|----|---|------|-----------|
| 37 | Chiral, single-molecule nanomagnets: synthesis, magnetic characterization and natural and magnetic circular dichroism. <i>Journal of Materials Chemistry</i> , 2004, 14, 2455-2460.   | 6.7  | 48        |
| 38 | Solvent effects on valence tautomerism: A comparison between the interconversion in solution and solid state. <i>Solid State Sciences</i> , 2009, 11, 793-800.  | 3.2  | 46        |
| 39 | Characterisation of nanoscopic [Mn <sub>12</sub> O <sub>12</sub> (O <sub>2</sub> CR) <sub>16</sub> (H <sub>2</sub> O) <sub>4</sub> ] single-molecule magnets: physicochemical properties and LDI- and MALDI-TOF mass spectrometry LDI- and MÅLDI-TOF are acronyms for Laser Desorption/Ionisation and Matrix Assisted Laser Desorption/Ionisation Time-of-Flight.. <i>Journal of Materials Chemistry</i> , 2002, 12, 1152-1161. | 6.7  | 44        |
| 40 | Controlling the Number of Proteins with DipêPen Nanolithography. <i>Advanced Materials</i> , 2010, 22, 352-355.   | 21.0 | 43        |
| 41 | A new (63)Å(69.81) non-interpenetrated paramagnetic network with helical nanochannels based on a tricarboxylic perchlorotriphenylmethyl radical. <i>Chemical Communications</i> , 2004, , 1164-1165.  | 4.1  | 42        |
| 42 | Synthesis, structural and magnetic properties of a series of copper(ii) complexes containing a monocarboxylated perchlorotriphenylmethyl radical as a coordinating open-shell ligand. <i>Dalton Transactions</i> , 2004, , 1073.  | 3.3  | 42        |
| 43 | Particle-size dependence of magnetization relaxation in Mn <sub>12</sub> crystals. <i>Physical Review B</i> , 2009, 79, .   | 3.2  | 42        |
| 44 | Coexistence of Two Thermally Induced Intramolecular Electron Transfer Processes in a Series of Metal Complexes [M(Catâ€Nâ€BQ)(Catâ€Nâ€SQ)]/[M(Catâ€Nâ€BQ) <sub>2</sub> ] (M=Co, Fe, and Ni) bearing Nonâ€Innocent Catecholâ€Based Ligands: A Combined Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2010, 16, 6666-6677.  | 3.3  | 42        |
| 45 | Structural and Magnetic Modulation of a Purely Organic Open Framework by Selective Guest Inclusion. <i>Chemistry - A European Journal</i> , 2007, 13, 8153-8163.  | 3.3  | 41        |
| 46 | Encapsulation and Release Mechanisms in Coordination Polymer Nanoparticles. <i>Chemistry - A European Journal</i> , 2013, 19, 17508-17516.  | 3.3  | 41        |
| 47 | Coordination polymers nanoparticles for bioimaging. <i>Coordination Chemistry Reviews</i> , 2021, 432, 213716.  | 18.8 | 41        |
| 48 | A New Photomagnetic Molecular System Based on Photoinduced Self-Assembly of Radicals. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 919-922.   | 13.8 | 40        |
| 49 | Highly transparent photochromic films with a tunable and fast solution-like response. <i>Materials Horizons</i> , 2020, 7, 2749-2759.   | 12.2 | 40        |
| 50 | Switchable colloids, thin-films and interphases based on metal complexes with non-innocent ligands: the case of valence tautomerism and their applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5879-5889.   | 5.5  | 37        |
| 51 | Spontaneous resolution and absolute configuration of a coordination polymer formed by MnII and a ferrocene-based bisnitronyl nitroxide radical Electronic supplementary information available: Experimental procedure. See <a href="http://www.rsc.org/suppdata/cc/b2/b205722k/">http://www.rsc.org/suppdata/cc/b2/b205722k/</a> . <i>Chemical Communications</i> , 2002, , 2342-2343.  | 4.1  | 36        |
| 52 | Magnetism of isolated Mn <sub>12</sub> single-molecule magnets detected by magnetic circular dichroism: Observation of spin tunneling with a magneto-optical technique. <i>Physical Review B</i> , 2004, 69, .  | 3.2  | 36        |
| 53 | Long-Range Ferromagnetism of Mn <sub>12</sub> Acetate Single-Molecule Magnets under a Transverse Magnetic Field. <i>Physical Review Letters</i> , 2005, 95, 227202.   | 7.8  | 36        |
| 54 | Three-Dimensional Six-Connecting Organic Building Blocks Based on Polychlorotriphenylmethyl Unitsâ€Synthesis, Self-Assembly, and Magnetic Properties. <i>Chemistry - A European Journal</i> , 2006, 12, 9238-9253.  | 3.3  | 36        |

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|----|--|------|-----------|
| 55 | Hydrophobic coordination polymer nanoparticles and application for oil/water separation. RSC Advances, 2014, 4, 15293-15296.   | 3.6  | 36        |
| 56 | Structuration and Integration of Magnetic Nanoparticles on Surfaces and Devices. Small, 2012, 8, 1465-1491.  | 10.0 | 35        |
| 57 | Ferromagnetic interactions between triphenylmethyl radicals through an organometallic coupler. Chemical Communications, 1999, , 579-580.   | 4.1  | 34        |
| 58 | Surface-Confined Molecular Coolers for Cryogenics. Advanced Materials, 2013, 25, 2984-2988.  | 21.0 | 34        |
| 59 | Improving catalase-based propelled motor endurance by enzyme encapsulation. Nanoscale, 2014, 6, 8907-8913.   | 5.6  | 34        |
| 60 | Thermally Switchable Molecular Upconversion Emission. Chemistry of Materials, 2016, 28, 738-745.   | 6.7  | 34        |
| 61 | Crystal Structures of Chiral Diastereoisomers of a Carbon-Based High-Spin Molecule. Angewandte Chemie - International Edition, 1998, 37, 330-333.  | 13.8 | 33        |
| 62 | Dual T <sub>1</sub> /T <sub>2</sub> MRI contrast agent based on hybrid SPION@coordination polymer nanoparticles. RSC Advances, 2015, 5, 86779-86783.                                       | 3.6  | 33        |
| 63 | Coordination polymers built from 1,4-bis(imidazol-1-ylmethyl)benzene: from crystalline to amorphous. Dalton Transactions, 2016, 45, 11233-11255.   | 3.3  | 33        |
| 64 | Surface Functionalization of Metal-Organic Framework Crystals with Catechol Coatings for Enhanced Moisture Tolerance. ACS Applied Materials & Interfaces, 2017, 9, 44641-44648.            | 8.0  | 33        |
| 65 | A very bulky carboxylic perchlorotriphenylmethyl radical as a novel ligand for transition metal complexes. A new spin frustrated metal system. Chemical Communications, 2002, , 2958-2959. | 4.1  | 32        |
| 66 | First-Row Transition-Metal Complexes Based on a Carboxylate Polychlorotriphenylmethyl Radical: Trends in Metal-Radical Exchange Interactions. Inorganic Chemistry, 2007, 46, 1627-1633.    | 4.0  | 32        |
| 67 | Copolymerization of a Catechol and a Diamine as a Versatile Polydopamine-Like Platform for Surface Functionalization: The Case of a Hydrophobic Coating. Biomimetics, 2017, 2, 22.         | 3.3  | 32        |
| 68 | Bioinspired Catechol-Terminated Self-Assembled Monolayers with Enhanced Adhesion Properties. Small, 2014, 10, 1594-1602.   | 10.0 | 31        |
| 69 | Coordination Polymer Particles with ligand-centred pH-responses and spin transition. Chemical Communications, 2014, 50, 14570-14572.   | 4.1  | 31        |
| 70 | Synthesis of Polydopamine-Like Nanocapsules via Removal of a Sacrificial Mesoporous Silica Template with Water. Chemistry - A European Journal, 2017, 23, 2753-2758.                       | 3.3  | 31        |
| 71 | Polydopamine-like Coatings as Payload Gatekeepers for Mesoporous Silica Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 7661-7669.  | 8.0  | 31        |
| 72 | Shape Memory Polyurethane Microcapsules with Active Deformation. ACS Applied Materials & Interfaces, 2020, 12, 47059-47064.  | 8.0  | 31        |

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|----|---|------|-----------|
| 73 | Nonlinear optical properties of polychlorotriphenylmethyl radicals: towards the design of 'super-octupolar' molecules. <i>Chemical Physics Letters</i> , 2002, 363, 245-251.  | 2.6  | 30        |
| 74 | Influence of bridge topology and torsion on the intramolecular electron transfer. <i>Faraday Discussions</i> , 2006, 131, 291-305.  | 3.2  | 30        |
| 75 | A hexacarboxylic open-shell building block: synthesis, structure and magnetism of a three-dimensional metal-organic radical framework. <i>Journal of Materials Chemistry</i> , 2008, 18, 98-108.  | 6.7  | 30        |
| 76 | Switchable Self-Assembly of a Bioinspired Alkyl Catechol at a Solid/Liquid Interface: Competitive Interfacial, Noncovalent, and Solvent Interactions. <i>Chemistry - A European Journal</i> , 2012, 18, 3056-3063.                              | 3.3  | 30        |
| 77 | Pt(IV)-based nanoscale coordination polymers: Antitumor activity, cellular uptake and interactions with nuclear DNA. <i>Chemical Engineering Journal</i> , 2018, 340, 94-102.   | 12.7 | 30        |
| 78 | Self-organization of Mn <sub>12</sub> single-molecule magnets into ring structures induced by breath-figures as templates. <i>Chemical Communications</i> , 2005, , 5615.   | 4.1  | 29        |
| 79 | Assisted-assembly of coordination materials into advanced nanoarchitectures by Dip Pen nanolithography. <i>Chemical Communications</i> , 2011, 47, 5175.  | 4.1  | 28        |
| 80 | Biocompatible polydopamine-like particles for the removal of heavy metals at extremely low concentrations. <i>RSC Advances</i> , 2016, 6, 40058-40066.  | 3.6  | 28        |
| 81 | Color-Tunable White-Light-Emitting Materials Based on Liquid-Filled Capsules and Thermally Responsive Dyes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17751-17758.  | 8.0  | 28        |
| 82 | A Thermally and Electrochemically Switchable Molecular Array Based on a Manganese Schiff Base Complex. <i>Advanced Functional Materials</i> , 2002, 12, 347.  | 14.9 | 27        |
| 83 | Versatile iron-terpyridine catechol-based nanoscale coordination polymers with antiretroviral ligand functionalization and their use as efficient carriers in HIV/AIDS therapy. <i>Biomaterials Science</i> , 2019, 7, 178-186.                 | 5.4  | 27        |
| 84 | Water-Stable Carborane-Based Eu <sup>3+</sup> /Tb <sup>3+</sup> Metal-Organic Frameworks for Tunable Time-Dependent Emission Color and Their Application in Anticounterfeiting Bar-Coding. <i>Chemistry of Materials</i> , 2022, 34, 4795-4808. | 6.7  | 27        |
| 85 | Catechol Derivatives as Fluorescent Chemosensors for Wide-Range pH Detection. <i>Chemistry - A European Journal</i> , 2008, 14, 9754-9763.  | 3.3  | 26        |
| 86 | Liquid-Filled Capsules as Fast Responsive Photochromic Materials. <i>Advanced Optical Materials</i> , 2013, 1, 631-636.   | 7.3  | 26        |
| 87 | Ferrocene as a ferromagnetic coupler. Synthesis and characterization of a ferrocene bridged polychlorotriphenylmethyl diradical. <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 251-257.   | 1.8  | 25        |
| 88 | Robust spin crossover platforms with synchronized spin switch and polymer phase transition. <i>Scientific Reports</i> , 2013, 3, .  | 3.3  | 25        |
| 89 | Synthesis of Nanoscale Coordination Polymers in Femtoliter Reactors on Surfaces. <i>ACS Nano</i> , 2016, 10, 3206-3213.   | 14.6 | 25        |
| 90 | Die chemischen Grundlagen der Adhäsion von Catechol. <i>Angewandte Chemie</i> , 2019, 131, 706-725.   | 2.0  | 25        |

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|-----|--|------|-----------|
| 91  | Drawbacks Arising from the High Steric Congestion in the Synthesis of New Dendritic Polyalkylaromatic Polyradicals. <i>Journal of Organic Chemistry</i> , 1997, 62, 9009-9017.   | 3.2  | 24        |
| 92  | Influence of the Molecular Surface Characteristics of the Diastereoisomers of a Quartet Molecule on their Physicochemical Properties: A Linear Solvation Free-Energy Study. <i>Chemistry - A European Journal</i> , 1999, 5, 3533-3548.          | 3.3  | 24        |
| 93  | Spin Frustration in a Dimeric MnII Complex with a Metallocene-Substituted $\pm$ -Nitronyl Nitroxide Radical. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3688-3691.   | 13.8 | 24        |
| 94  | A New Hexaferrocene Complex with a $[M_3(\mu_3-O)]_7+$ Core. <i>Inorganic Chemistry</i> , 2006, 45, 10443-10445.   | 4.0  | 24        |
| 95  | Acetylcholinesterase as an amyloid enhancing factor in PrP82-146 aggregation process. <i>Molecular and Cellular Neurosciences</i> , 2009, 40, 217-224.   | 2.2  | 24        |
| 96  | Antitumour activity of coordination polymer nanoparticles. <i>Coordination Chemistry Reviews</i> , 2021, 441, 213977.  | 18.8 | 24        |
| 97  | Single-Molecule Magnets. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 343, 17-27.   | 0.3  | 23        |
| 98  | High-frequency ESR and frequency domain magnetic resonance spectroscopic studies of single molecule magnets in frozen solution. <i>Physical Review B</i> , 2007, 75, .   | 3.2  | 23        |
| 99  | Supramolecular Photomagnetic Materials: Photoinduced Dimerization of Ferrocene-Based Polychlorotriphenylmethyl Radicals. <i>Chemistry - A European Journal</i> , 2004, 10, 603-616.  | 3.3  | 22        |
| 100 | Magneto-Structural Characterization of Metallocene-Bridged Nitronyl Nitroxide Diradicals by X-Ray, Magnetic Measurements, Solid-state NMR Spectroscopy, and Ab Initio Calculations. <i>Chemistry - A European Journal</i> , 2004, 10, 1355-1365. | 3.3  | 22        |
| 101 | Hydrogen-bonded self-assemblies in a polychlorotriphenylmethyl radical derivative substituted with six meta-carboxylic acid groups. <i>Chemical Communications</i> , 2005, , 4801.   | 4.1  | 22        |
| 102 | Temperature-controlled Switchable Photochromism in Solid Materials. <i>Angewandte Chemie</i> , 2016, 128, 15268-15272.   | 2.0  | 22        |
| 103 | Bioinspired Functional Catechol Derivatives through Simple Thiol Conjugate Addition. <i>Chemistry - A European Journal</i> , 2019, 25, 12367-12379.  | 3.3  | 22        |
| 104 | Hybrid Metal-Phenol Nanoparticles with Polydopamine-like Coating for PET/SPECT/CT Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 10705-10718.  | 8.0  | 22        |
| 105 | Synthesis of polydopamine at the femtoliter scale and confined fabrication of Ag nanoparticles on surfaces. <i>Chemical Communications</i> , 2014, 50, 12548-12551.  | 4.1  | 21        |
| 106 | Synthesis, Crystal Structure, and Spectroscopic and Magnetic Properties of a New $[Co_4O(OOCNC_9H_{18})_6]$ Cluster. <i>Organometallics</i> , 2001, 20, 568-571.   | 2.3  | 20        |
| 107 | Synthesis and Characterization of a $[Mn_{12}O_{12}(O_2CR)_6(H_2O)_4]$ Complex Bearing Paramagnetic Carboxylate Ligands. Use of a Modified Acid Replacement Synthetic Approach. <i>Monatshefte für Chemie</i> , 2003, 134, 265-276.              | 1.8  | 20        |
| 108 | Nonlinear optical properties of open-shell polychlorotriphenylmethyl radicals. <i>Polyhedron</i> , 2003, 22, 1851-1856.  | 2.2  | 20        |

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|-----|--|------|-----------|
| 109 | Single-molecule magnet behaviour in metal-organic nanospheres generated by simple precipitation of Mn <sub>12</sub> O <sub>12</sub> clusters. <i>Chemical Communications</i> , 2008, , 1202.   | 4.1  | 20        |
| 110 | Surface-Structured Molecular Sensor for the Optical Detection of Acidity. <i>Langmuir</i> , 2008, 24, 2963-2966.   | 3.5  | 20        |
| 111 | Controlling Spin Transition in One-Dimensional Coordination Polymers through Polymorphism. <i>Inorganic Chemistry</i> , 2014, 53, 8742-8748.   | 4.0  | 20        |
| 112 | Mn <sub>12</sub> single molecule magnets deposited on <sup>125</sup> I-SQUID sensors: the role of interphases and structural modifications. <i>Nanoscale</i> , 2013, 5, 12565.   | 5.6  | 19        |
| 113 | Reactions in ultra-small droplets by tip-assisted chemistry. <i>Chemical Communications</i> , 2016, 52, 11617-11626.   | 4.1  | 19        |
| 114 | Synthesis and characterization of a new chiral nanomagnet. <i>Polyhedron</i> , 2003, 22, 2355-2358.  | 2.2  | 18        |
| 115 | Carboxylic-substituted polychlorotriphenylmethyl radicals, new organic building-blocks to design nanoporous magnetic molecular materials. <i>Comptes Rendus Chimie</i> , 2005, 8, 1213-1225.   | 0.5  | 18        |
| 116 | Nanoscale positioning of inorganic nanoparticles using biological ferritin arrays fabricated by dip-pen nanolithography. <i>Scanning</i> , 2010, 32, 35-41.  | 1.5  | 18        |
| 117 | Alternating current magnetic susceptibility of a molecular magnet submonolayer directly patterned onto a micro superconducting quantum interference device. <i>Applied Physics Letters</i> , 2011, 99, 032504.   | 3.3  | 18        |
| 118 | Carbon nanotube-based nanocomposite sensor tuned with a catechol as novel electrochemical recognition platform of uranyl ion in aqueous samples. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1807-1815.  | 7.8  | 18        |
| 119 | Synthesis, X-ray structure and magnetic properties of the quinone cobalt complexes [Co <sup>III</sup> (3,5-DTBSQ)(bpy) <sub>2</sub> ] <sub>2</sub> (x <sup>-</sup> =BF <sub>4</sub> <sup>-</sup> , ClO <sub>4</sub> <sup>-</sup> ). <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 831-837. | 4.0  | 17        |
| 120 | An Unusually Stable Trinuclear Manganese(II) Complex Bearing Bulk Carboxylic Radical Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 6936-6938.  | 4.0  | 17        |
| 121 | Self-assembly of carboxylic substituted PTM radicals: From weak ferromagnetic interactions to robust porous magnets. <i>Polyhedron</i> , 2007, 26, 1934-1948.  | 2.2  | 17        |
| 122 | Effect of crystalline disorder on quantum tunneling in the single-molecule magnet Mn <sub>12</sub> benzoate. <i>Physical Review B</i> , 2010, 81, .  | 3.2  | 17        |
| 123 | Self-assembly of alkylcatechols on HOPG investigated by scanning tunneling microscopy and molecular dynamics simulations. <i>CrystEngComm</i> , 2012, 14, 264-271.   | 2.6  | 17        |
| 124 | Liquid-Filled Valence Tautomeric Microcapsules: A Solid Material with Solution-Like Behavior. <i>Advanced Functional Materials</i> , 2015, 25, 4129-4134.  | 14.9 | 17        |
| 125 | Synthesis, X-ray structure, EPR and optical properties of a ferrocene substituted polychlorotriphenylmethyl radical. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 753-758.  | 4.0  | 16        |
| 126 | Controlled crystallization of Mn <sub>12</sub> single-molecule magnets by compressed CO <sub>2</sub> and its influence on the magnetization relaxation. <i>Journal of Materials Chemistry</i> , 2006, 16, 2612-2617.   | 6.7  | 16        |



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|-----|---|------|-----------|
| 127 | Intramolecular electron transfer in the mixed-valence [Co(3,5-DTBCat)(3,5-DTBSQ)(bpy)] complex: Beyond valence tautomerism. <i>Inorganica Chimica Acta</i> , 2008, 361, 3403-3409.  | 2.4  | 16        |
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