

Daniel Ruiz-Molina

List of Publications by Year in descending order

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183
papers

9,600
citations

66234

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43802

91
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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.	18.7	1,037
2	Catecholâ€Based Biomimetic Functional Materials. <i>Advanced Materials</i> , 2013, 25, 653-701.	11.1	638
3	A nanoporous molecular magnet with reversible solvent-induced mechanical and magnetic properties. <i>Nature Materials</i> , 2003, 2, 190-195.	13.3	633
4	The Chemistry behind Catecholâ€Based Adhesion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 696-714.	7.2	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.	1.0	299
7	Coordination polymer particles as potential drug delivery systems. <i>Chemical Communications</i> , 2010, 46, 4737.	2.2	224
8	Metalâ€Organic Spheres as Functional Systems for Guest Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2325-2329.	7.2	192
9	Coordination polymer nanoparticles in medicine. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2839-2847.	9.5	153
10	Valenceâ€Tautomeric Metalâ€Organic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1857-1860.	7.2	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.	18.7	135
12	Magnetic Information Storage on Polymers by Using Patterned Single-Molecule Magnets. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 888-892.	7.2	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.	7.2	133
14	Valence tautomerism: More actors than just electroactive ligands and metal ions. <i>Comptes Rendus Chimie</i> , 2008, 11, 1137-1154.	0.2	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.	2.4	121
16	Advances on the nanostructuring of magnetic molecules on surfaces: the case of single-molecule magnets (SMM). <i>Chemical Communications</i> , 2007, , 3699.	2.2	100
17	Influence of Topology on the Long-Range Electron-Transfer Phenomenon. <i>Chemistry - A European Journal</i> , 2001, 7, 240-250.	1.7	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.	6.6	95

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19	A Robust Purely Organic Nanoporous Magnet. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1828-1832.	7.2	93
20	Versatile Nanostructured Materials via Direct Reaction of Functionalized Catechols. <i>Advanced Materials</i> , 2013, 25, 2066-2070.	11.1	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.	6.6	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.	2.2	86
23	Isolated Single-Molecule Magnets on the Surface of a Polymeric Thin Film. <i>Advanced Materials</i> , 2003, 15, 42-45.	11.1	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.	2.2	81
25	Redox-Tunable Valence Tautomerism in a Cobalt Schiff Base Complex. <i>Inorganic Chemistry</i> , 2000, 39, 617-619.	1.9	77
26	A Robust Nanocontainer Based on a Pure Organic Free Radical. <i>Journal of the American Chemical Society</i> , 2004, 126, 730-731.	6.6	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.	1.7	70
28	Effect of surfactants on the performance of tubular and spherical micromotors – a comparative study. <i>RSC Advances</i> , 2014, 4, 20334-20340.	1.7	58
29	Temperature-Controlled Switchable Photochromism in Solid Materials. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15044-15048.	7.2	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.	1.2	55
31	Solid Materials with Tunable Reverse Photochromism. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11884-11892.	4.0	54
32	Mussel-Inspired Hydrophobic Coatings for Water-Repellent Textiles and Oil Removal. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17616-17625.	4.0	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 & Interfaces</i> , 2018, 10, 38819-38832.	4.0	50
34	Bioinspired Theranostic Coordination Polymer Nanoparticles for Intranasal Dopamine Replacement in Parkinson's Disease. <i>ACS Nano</i> , 2021, 15, 8592-8609.	7.3	50
35	Carboxyl Group (CO_2H) Functionalized Coordination Polymer Nanoparticles as Efficient Platforms for Drug Delivery. <i>Chemistry - A European Journal</i> , 2014, 20, 15443-15450.	1.7	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.	7.8	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.	1.5	46
39	Characterisation of nanoscopic [Mn ₁₂ O ₁₂ (O ₂ CR) ₁₆ (H ₂ O) ₄] 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.	11.1	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.	2.2	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.	1.6	42
43	Particle-size dependence of magnetization relaxation in Mn ₁₂ crystals. <i>Physical Review B</i> , 2009, 79, .	1.1	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) ₂] (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.	1.7	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.	1.7	41
46	Encapsulation and Release Mechanisms in Coordination Polymer Nanoparticles. <i>Chemistry - A European Journal</i> , 2013, 19, 17508-17516.	1.7	41
47	Coordination polymers nanoparticles for bioimaging. <i>Coordination Chemistry Reviews</i> , 2021, 432, 213716.	9.5	41
48	A New Photomagnetic Molecular System Based on Photoinduced Self-Assembly of Radicals. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 919-922.	7.2	40
49	Highly transparent photochromic films with a tunable and fast solution-like response. <i>Materials Horizons</i> , 2020, 7, 2749-2759.	6.4	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.	2.7	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 http://www.rsc.org/suppdata/cc/b2/b205722k/ . <i>Chemical Communications</i> , 2002, , 2342-2343.	2.2	36
52	Magnetism of isolated Mn ₁₂ single-molecule magnets detected by magnetic circular dichroism: Observation of spin tunneling with a magneto-optical technique. <i>Physical Review B</i> , 2004, 69, .	1.1	36
53	Long-Range Ferromagnetism of Mn ₁₂ Acetate Single-Molecule Magnets under a Transverse Magnetic Field. <i>Physical Review Letters</i> , 2005, 95, 227202.	2.9	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.	1.7	36

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55	Hydrophobic coordination polymer nanoparticles and application for oil/water separation. RSC Advances, 2014, 4, 15293-15296.	1.7	36
56	Structuration and Integration of Magnetic Nanoparticles on Surfaces and Devices. Small, 2012, 8, 1465-1491.	5.2	35
57	Ferromagnetic interactions between triphenylmethyl radicals through an organometallic coupler. Chemical Communications, 1999, , 579-580.	2.2	34
58	Surface-Confined Molecular Coolers for Cryogenics. Advanced Materials, 2013, 25, 2984-2988.	11.1	34
59	Improving catalase-based propelled motor endurance by enzyme encapsulation. Nanoscale, 2014, 6, 8907-8913.	2.8	34
60	Thermally Switchable Molecular Upconversion Emission. Chemistry of Materials, 2016, 28, 738-745.	3.2	34
61	Crystal Structures of Chiral Diastereoisomers of a Carbon-Based High-Spin Molecule. Angewandte Chemie - International Edition, 1998, 37, 330-333.	7.2	33
62	Dual T ₁ /T ₂ MRI contrast agent based on hybrid SPION@coordination polymer nanoparticles. RSC Advances, 2015, 5, 86779-86783.	1.7	33
63	Coordination polymers built from 1,4-bis(imidazol-1-ylmethyl)benzene: from crystalline to amorphous. Dalton Transactions, 2016, 45, 11233-11255.	1.6	33
64	Surface Functionalization of Metal-Organic Framework Crystals with Catechol Coatings for Enhanced Moisture Tolerance. ACS Applied Materials & Interfaces, 2017, 9, 44641-44648.	4.0	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.	2.2	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.	1.9	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.	1.5	32
68	Bioinspired Catechol-Terminated Self-Assembled Monolayers with Enhanced Adhesion Properties. Small, 2014, 10, 1594-1602.	5.2	31
69	Coordination Polymer Particles with ligand-centred pH-responses and spin transition. Chemical Communications, 2014, 50, 14570-14572.	2.2	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.	1.7	31
71	Polydopamine-like Coatings as Payload Gatekeepers for Mesoporous Silica Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 7661-7669.	4.0	31
72	Shape Memory Polyurethane Microcapsules with Active Deformation. ACS Applied Materials & Interfaces, 2020, 12, 47059-47064.	4.0	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.	1.2	30
74	Influence of bridge topology and torsion on the intramolecular electron transfer. <i>Faraday Discussions</i> , 2006, 131, 291-305.	1.6	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.	1.7	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.	6.6	30
78	Self-organization of Mn ₁₂ single-molecule magnets into ring structures induced by breath-figures as templates. <i>Chemical Communications</i> , 2005, , 5615.	2.2	29
79	Assisted-assembly of coordination materials into advanced nanoarchitectures by Dip Pen nanolithography. <i>Chemical Communications</i> , 2011, 47, 5175.	2.2	28
80	Biocompatible polydopamine-like particles for the removal of heavy metals at extremely low concentrations. <i>RSC Advances</i> , 2016, 6, 40058-40066.	1.7	28
81	Color-Tunable White-Light-Emitting Materials Based on Liquid-Filled Capsules and Thermally Responsive Dyes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17751-17758.	4.0	28
82	A Thermally and Electrochemically Switchable Molecular Array Based on a Manganese Schiff Base Complex. <i>Advanced Functional Materials</i> , 2002, 12, 347.	7.8	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.	2.6	27
84	Water-Stable Carborane-Based Eu ³⁺ /Tb ³⁺ 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.	3.2	27
85	Catechol Derivatives as Fluorescent Chemosensors for Wide-Range pH Detection. <i>Chemistry - A European Journal</i> , 2008, 14, 9754-9763.	1.7	26
86	Liquid-Filled Capsules as Fast Responsive Photochromic Materials. <i>Advanced Optical Materials</i> , 2013, 1, 631-636.	3.6	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.	0.8	25
88	Robust spin crossover platforms with synchronized spin switch and polymer phase transition. <i>Scientific Reports</i> , 2013, 3, .	1.6	25
89	Synthesis of Nanoscale Coordination Polymers in Femtoliter Reactors on Surfaces. <i>ACS Nano</i> , 2016, 10, 3206-3213.	7.3	25
90	Die chemischen Grundlagen der Adhäsion von Catechol. <i>Angewandte Chemie</i> , 2019, 131, 706-725.	1.6	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.	1.7	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.	1.7	24
93	Spin Frustration in a Dimeric MnII Complex with a Metallocene-Substituted $\dot{\pm}$ -Nitronyl Nitroxide Radical. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3688-3691.	7.2	24
94	A New Hexaferrocene Complex with a $[M_3(\mu_3-O)]_7+$ Core. <i>Inorganic Chemistry</i> , 2006, 45, 10443-10445.	1.9	24
95	Acetylcholinesterase as an amyloid enhancing factor in PrP82-146 aggregation process. <i>Molecular and Cellular Neurosciences</i> , 2009, 40, 217-224.	1.0	24
96	Antitumour activity of coordination polymer nanoparticles. <i>Coordination Chemistry Reviews</i> , 2021, 441, 213977.	9.5	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, .	1.1	23
99	Supramolecular Photomagnetic Materials: Photoinduced Dimerization of Ferrocene-Based Polychlorotriphenylmethyl Radicals. <i>Chemistry - A European Journal</i> , 2004, 10, 603-616.	1.7	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.	1.7	22
101	Hydrogen-bonded self-assemblies in a polychlorotriphenylmethyl radical derivative substituted with six meta-carboxylic acid groups. <i>Chemical Communications</i> , 2005, , 4801.	2.2	22
102	Temperature-controlled Switchable Photochromism in Solid Materials. <i>Angewandte Chemie</i> , 2016, 128, 15268-15272.	1.6	22
103	Bioinspired Functional Catechol Derivatives through Simple Thiol Conjugate Addition. <i>Chemistry - A European Journal</i> , 2019, 25, 12367-12379.	1.7	22
104	Hybrid Metal-Phenol Nanoparticles with Polydopamine-like Coating for PET/SPECT/CT Imaging. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10705-10718.	4.0	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.	2.2	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.	1.1	20
107	Synthesis and Characterization of a $[Mn_{12}O_{12}(O_2CR)_{16}(H_2O)_4]$ Complex Bearing Paramagnetic Carboxylate Ligands. Use of a Modified Acid Replacement Synthetic Approach. <i>Monatshefte für Chemie</i> , 2003, 134, 265-276.	0.9	20
108	Nonlinear optical properties of open-shell polychlorotriphenylmethyl radicals. <i>Polyhedron</i> , 2003, 22, 1851-1856.	1.0	20

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109	Single-molecule magnet behaviour in metal-organic nanospheres generated by simple precipitation of Mn ₁₂ O ₁₂ clusters. <i>Chemical Communications</i> , 2008, , 1202.	2.2	20
110	Surface-Structured Molecular Sensor for the Optical Detection of Acidity. <i>Langmuir</i> , 2008, 24, 2963-2966.	1.6	20
111	Controlling Spin Transition in One-Dimensional Coordination Polymers through Polymorphism. <i>Inorganic Chemistry</i> , 2014, 53, 8742-8748.	1.9	20
112	Mn ₁₂ single molecule magnets deposited on ¹²⁵ I-SQUID sensors: the role of interphases and structural modifications. <i>Nanoscale</i> , 2013, 5, 12565.	2.8	19
113	Reactions in ultra-small droplets by tip-assisted chemistry. <i>Chemical Communications</i> , 2016, 52, 11617-11626.	2.2	19
114	Synthesis and characterization of a new chiral nanomagnet. <i>Polyhedron</i> , 2003, 22, 2355-2358.	1.0	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.	0.2	18
116	Nanoscale positioning of inorganic nanoparticles using biological ferritin arrays fabricated by dip-pen nanolithography. <i>Scanning</i> , 2010, 32, 35-41.	0.7	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.	1.5	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.	4.0	18
119	Synthesis, X-ray structure and magnetic properties of the quinone cobalt complexes [CoIII(3,5-DTBSQ)(bpy) ₂] ₂ (x ⁻ =BF ₄ ⁻ , ClO ₄ ⁻). <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 831-837.	1.9	17
120	An Unusually Stable Trinuclear Manganese(II) Complex Bearing Bulk Carboxylic Radical Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 6936-6938.	1.9	17
121	Self-assembly of carboxylic substituted PTM radicals: From weak ferromagnetic interactions to robust porous magnets. <i>Polyhedron</i> , 2007, 26, 1934-1948.	1.0	17
122	Effect of crystalline disorder on quantum tunneling in the single-molecule magnet Mn ₁₂ benzoate. <i>Physical Review B</i> , 2010, 81, .	1.1	17
123	Self-assembly of alkylcatechols on HOPG investigated by scanning tunneling microscopy and molecular dynamics simulations. <i>CrystEngComm</i> , 2012, 14, 264-271.	1.3	17
124	Liquid-Filled Valence Tautomeric Microcapsules: A Solid Material with Solution-Like Behavior. <i>Advanced Functional Materials</i> , 2015, 25, 4129-4134.	7.8	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.	1.9	16
126	Controlled crystallization of Mn ₁₂ single-molecule magnets by compressed CO ₂ 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.	1.2	16
128	Examining the thermolysis reactions of nanoscopic Mn 12 single molecule magnets. <i>Polyhedron</i> , 2003, 22, 1951-1955.	1.0	15
129	Ultrasensitive Broad Band SQUID Microsusceptometer for Magnetic Measurements at Very Low Temperatures. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 345-348.	1.1	15
130	Ferrocene substituted nitronyl nitroxide and imino nitroxide radicals. Synthesis, X-ray structure and magnetic properties. <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 507-513.	0.8	14
131	Self-assembly of a catechol-based macrocycle at the liquid-solids interface: experiments and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11937.	1.3	14
132	Dual-Fluorescent Nanoscale Coordination Polymers via a Mixed-Ligand Synthetic Strategy and Their Use for Multichannel Imaging. <i>ChemNanoMat</i> , 2018, 4, 183-193.	1.5	14
133	Thermoresponsive multicolor-emissive materials based on solid lipid nanoparticles. <i>Materials Horizons</i> , 2021, 8, 3043-3054.	6.4	14
134	Thiol-yne click reaction: an interesting way to derive thiol-provided catechols. <i>RSC Advances</i> , 2021, 11, 2074-2082.	1.7	14
135	Synthesis and Characterization of a Nanoscopic Molecular-Scale Wire Bearing Terminal Redox-Active Polychlorotriphenylmethyl Radicals. <i>Nano Letters</i> , 2001, 1, 117-120.	4.5	13
136	pH-Responsive Fluorescent Nanoarrays Fabricated by Direct-Write Parallel Dip-Pen Nanolithography. <i>Small</i> , 2008, 4, 2131-2135.	5.2	13
137	Multiplexed arrays of chemosensors by parallel dip-pen nanolithography. <i>Chemical Communications</i> , 2011, 47, 6864.	2.2	13
138	Controlled Positioning of Nanoparticles on Graphene by Noninvasive AFM Lithography. <i>Langmuir</i> , 2012, 28, 12400-12409.	1.6	13
139	Design and Synthesis of a Noninnocent Multitopic Catechol and Pyridine Mixed Ligand: Nanoscale Polymers and Valence Tautomerism. <i>Inorganic Chemistry</i> , 2015, 54, 6776-6781.	1.9	13
140	Replacing Nitrogen by Sulfur: From Structurally Disordered Eumelanins to Regioregular Thiomelanin Polymers. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2169.	1.8	13
141	Open-shell channel-like salts formed by the supramolecular assembly of a tricarboxylated perchlorotriphenylmethyl radical and a [Co(bpy) ₃] ²⁺ cation. <i>CrystEngComm</i> , 2004, 6, 573.	1.3	12
142	Covalent Grafting of Coordination Polymers on Surfaces: The Case of Hybrid Valence Tautomeric Interphases. <i>Chemistry - A European Journal</i> , 2015, 21, 10094-10099.	1.7	12
143	Nonlinear optical properties of a new stable ferrocenyl Schiff-base polychlorotriphenylmethyl radical. <i>Synthetic Metals</i> , 2001, 121, 1834-1835.	2.1	11
144	Trihaloacetic acids: an investigation of steric and inductive ligand effects on the synthesis of [Mn ₁₂ O ₁₂ (O ₂ CCX ₃) ₁₆ (H ₂ O) ₄] single-molecule magnets. <i>New Journal of Chemistry</i> , 2005, 29, 499-503.	1.4	11

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