Miguel Cortijo

List of Publications by Year in descending order

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35 papers	340 citations	840776 11 h-index	940533 16 g-index
35 all docs	35 docs citations	35 times ranked	494 citing authors

#	Article	IF	Citations
1	The Origin of Magnetic Anisotropy and Single-Molecule Magnet Behavior in Chromium(II)-Based Extended Metal Atom Chains. Inorganic Chemistry, 2020, 59, 1763-1777.	4.0	29
2	The use of amidinate ligands in paddlewheel diruthenium chemistry. Coordination Chemistry Reviews, 2019, 400, 213040.	18.8	27
3	Copper(II) hydrazone complexes with different nuclearities and geometries: Synthesis, structural characterization, antioxidant SOD activity and antiproliferative properties. Polyhedron, 2020, 186, 114624.	2.2	21
4	Two new copper(II) binuclear complexes with 2-[(E)-(pyridine-2yl-hydrazono)methyl]phenol: Molecular structures, quantum chemical calculations, cryomagnetic properties and catalytic activity. Polyhedron, 2020, 188, 114687.	2.2	20
5	Hybrid Polyfunctional Systems Based on Nickel(II) Isonicotinate. European Journal of Inorganic Chemistry, 2013, 2013, 2580-2590.	2.0	19
6	Microwave and solvothermal methods for the synthesis of nickel and ruthenium complexes with 9-anthracene carboxylate ligand. Inorganica Chimica Acta, 2015, 424, 176-185.	2.4	19
7	Design and Study of Structural Linear and Nonlinear Optical Properties of Chiral [Fe(phen)3]2+ Complexes. Inorganic Chemistry, 2018, 57, 14501-14512.	4.0	19
8	Synthesis, Spectroelectrochemical Behavior, and Chiroptical Switching of Tris(Î²-diketonato) Complexes of Ruthenium(III), Chromium(III), and Cobalt(III). Inorganic Chemistry, 2017, 56, 4555-4567.	4.0	18
9	Modulation of the Magnetic Properties of Two-Dimensional Compounds [NiX2(Nâ€“N)] by Tailoring Their Crystal Structure. Inorganic Chemistry, 2013, 52, 7087-7093.	4.0	17
10	Enantiomeric resolution and X-ray optical activity of a tricobalt extended metal atom chain. Chemical Science, 2018, 9, 1136-1143.	7.4	15
11	Validation of microscopic magnetochiral dichroism theory. Science Advances, 2021, 7, .	10.3	13
12	Rational Selfâ€Assembly of Tricobalt Extended Metal Atom Chains and [MF₆]^{2â€“} Building Blocks into Oneâ€Dimensional Coordination Polymers. European Journal of Inorganic Chemistry, 2018, 2018, 320-325.	2.0	11
13	Supramolecular assemblies of new pseudohalide end-to-end bridged copper(II) complex and molecular structural variety of penta and hexa-coordinted metal(II) complexes with hydrazido-based ligand. Inorganica Chimica Acta, 2020, 503, 119371.	2.4	10
14	Ferromagnetic Interactions through Hydrogen Bonds in a One-Dimensional NiIICoordination Polymer. European Journal of Inorganic Chemistry, 2013, 2013, 5523-5527.	2.0	9
15	Ultrasound-assisted synthesis of water-soluble monosubstituted diruthenium compounds. Ultrasonics Sonochemistry, 2021, 80, 105828.	8.2	9
16	pH- and Time-Dependent Release of Phytohormones from Diruthenium Complexes. Inorganic Chemistry, 2020, 59, 7779-7788.	4.0	8
17	Phenoxido mediated antiferromagnetic and azide mediated ferromagnetic coupling in two dinuclear ferromagnetic nickel(<scp>ii</scp>) complexes with isomeric Schiff bases: a theoretical insight on the pathway of magnetic interaction. CrystEngComm, 2021, 23, 1942-1952.	2.6	8
18	Synthesis, single crystal structures, DFT and in vitro anti oxidant superoxide dismutase studies of copper(II) complexes derived from the di-(2-picolyl)amine and co-ligands: Promising antioxidants. Polyhedron, 2022, 212, 115609.	2.2	8

#	Article	IF	Citations
19	Tuning of Adsorption and Magnetic Properties in a Series of Self-Templated Isostructural Ni(II) Metalâ"Organic Frameworks. Crystal Growth and Design, 2014, 14, 716-722.	3.0	7
20	Heteronuclear Dirhodium-Gold Anionic Complexes: Polymeric Chains and Discrete Units. Polymers, 2020, 12, 1868.	4.5	6
21	Enantiopure Chiral Coordination Polymers Based on Polynuclear Paddlewheel Helices and Arsenyl Tartrate. Polymers, 2018, 10, 311.	4.5	5
22	Linear One-Dimensional Coordination Polymers Constructed by Dirhodium Paddlewheel and Tetracyanido-Metallate Building Blocks. Crystals, 2019, 9, 614.	2.2	5
23	Synthesis and Structural Characterization of a Series of One-Dimensional Heteronuclear Dirhodium-Silver Coordination Polymers. Polymers, 2019, 11, 111.	4.5	5
24	Non-covalent interactions governing the supramolecular assembly of copper(II) complexes with hydrazone-type ligand: Experimental and quantum chemical study. Polyhedron, 2021, 200, 115142.	2.2	5
25	New insights into progressive ligand replacement from [Ru₂Cl(O₂CCH₃)₄]: synthetic strategies and variation in redox potentials and paramagnetic shifts. Dalton Transactions, 2022, 51, 9708-9719.	3.3	5
26	Oneâ€Đimensional [Ni(O₂CR)₂(Nï£¿N)_x] Polymers: Structural, Magnetic, and Density Functional Theory Studies. ChemPlusChem, 2014, 79, 951-961.	2.8	4
27	Tetracarbonatodiruthenium Fragments and Lanthanide(III) Ions as Building Blocks to Construct 2D Coordination Polymers. Polymers, 2019, 11, 426.	4.5	4
28	Tris(ethylenediamine) Cobalt(II) and Manganese(II) Nitrates. Crystals, 2020, 10, 472.	2.2	4
29	Rapid Discrimination of Crystal Handedness by Xâ€ray Natural Circular Dichroism (XNCD) Mapping. Chemistry - A European Journal, 2020, 26, 13363-13366.	3.3	4
30	Heterobimetallic three-dimensional 4d-4f coordination polymers based on 5-methyl-1-(pyridyn-4-ylmethyl)-1H-1,2,3-triazole-3,4-dicarboxylate. Journal of Solid State Chemistry, 2022, 310, 123027.	2.9	4
31	Magnetostructural Studies on Zigzag One-Dimensional Coordination Polymers Formed by Tetraamidatodiruthenium(II,III) Paddlewheel Units Bridged by SCN Ligands. Magnetochemistry, 2019, 5, 40.	2.4	1
32	Trapping Ag(I) ions by a Pd8 metallacrown molecule to form an unusual nonanuclear AgPd8 cation. Inorganica Chimica Acta, 2019, 488, 56-61.	2.4	1
33	Crystal structure of poly[[trans-diaquabis[Î¼2-trans-4,4â€²-(diazenediyl)dipyridine]nickel(II)] diiodide ethanol disolvate]. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, m314-m315.	0.2	0
34	Resolution, structures, and vibrational circular dichroism of helicoidal trinickel and tricobalt paddlewheel complexes. Chirality, 2020, 32, 753-764.	2.6	0
35	Enantiomeric resolution of helicochiral paddlewheel complexes and their infrared, Raman, UVâ€"vis and X-ray optical activity. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, a108-a108.	0.1	0