Javier GarcÃ-a-Tojal

List of Publications by Year
in descending order

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55	1,455	304602	330025
papers	citations	22 h-index	37 g-index

56	56	56	1605
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tridentate acylhydrazone copper(II) complexes with heterocyclic bases as coligands. Synthesis, spectroscopic studies, crystal structure and cytotoxicity assays. Polyhedron, 2022, 213, 115621.	1.0	4
2	Conversion of a double-tetranuclear cluster silver helicate into a dihelicate via a rare desulfurization process. Inorganic Chemistry Frontiers, 2022, 9, 531-536.	3.0	5
3	Pressurized hot water-assisted recovery of crude residual agar from a never-dried algae industry waste stream: A Box-Behnken design approach. Food Hydrocolloids, 2022, 129, 107664.	5.6	4
4	Synthesis, Crystal Structure, Spectroscopic Characterization, DFT Calculations and Cytotoxicity Assays of a New Cu(II) Complex with an Acylhydrazone Ligand Derived from Thiophene. Inorganics, 2021, 9, 9.	1.2	14
5	Anticancer activity of a new copper(<scp>ii</scp>) complex with a hydrazone ligand. Structural and spectroscopic characterization, computational simulations and cell mechanistic studies on 2D and 3D breast cancer cell models. Dalton Transactions, 2021, 50, 9812-9826.	1.6	25
6	Synthesis of Fluorogenic Arylureas and Amides and Their Interaction with Amines: A Competition between Turn-on Fluorescence and Organic Radicals on the Way to a Smart Label for Fish Freshness. Molecules, 2021, 26, 1404.	1.7	2
7	Phyllosilicate-content influence on the spectroscopic properties and antioxidant capacity of Iberian Cretaceous clays. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 251, 119472.	2.0	2
8	Interaction Analysis of Commercial Graphene Oxide Nanoparticles with Unicellular Systems and Biomolecules. International Journal of Molecular Sciences, 2020, 21, 205.	1.8	22
9	Transforming the ancestors: early evidence of fire-induced manipulation on human bones in the Near East from the Pre-Pottery Neolithic B of Kharaysin (Jordan). Archaeological and Anthropological Sciences, 2020, 12, 1.	0.7	3
10	Geochemical and spectroscopic approach to the characterization of earliest cremated human bones from the Levant (PPNB of Kharaysin, Jordan). Journal of Archaeological Science: Reports, 2020, 30, 102211.	0.2	3
11	Thiosemicarbazone-metal complexes exhibiting cytotoxicity in colon cancer cell lines through oxidative stress. Journal of Inorganic Biochemistry, 2020, 206, 110993.	1.5	13
12	Synthesis, characterization, DFT calculations and anticancer activity of a new oxidovanadium(<scp>iv</scp>) complex with a ligand derived from o-vanillin and thiophene. New Journal of Chemistry, 2019, 43, 11784-11794.	1.4	15
13	Cu(<scp>ii</scp>) and Zn(<scp>ii</scp>) complexes with a poly-functional ligand derived from o-vanillin and thiophene. Crystal structure, physicochemical properties, theoretical studies and cytotoxicity assays against human breast cancer cells. New Journal of Chemistry, 2019, 43, 7120-7129.	1.4	20
14	Synthesis, crystal structure and cytotoxicity assays of a copper(II) nitrate complex with a tridentate ONO acylhydrazone ligand. Spectroscopic and theoretical studies of the complex and its ligand. Inorganica Chimica Acta, 2019, 487, 31-40.	1.2	46
15	Revisiting the thiosemicarbazonecopper(II) reaction with glutathione. Activity against colorectal carcinoma cell lines. Journal of Inorganic Biochemistry, 2018, 180, 69-79.	1.5	13
16	Reaction of Non-Symmetric Schiff Base Metallo-Ligand Complexes Possessing an Oxime Function with Ln Ions. Inorganics, 2018, 6, 33.	1.2	1
17	Influence of Three Commercial Graphene Derivatives on the Catalytic Properties of a Lactobacillus plantarum Î±-<scp>l</scp>-Rhamnosidase When Used as Immobilization Matrices. ACS Applied Materials & Interfaces, 2018, 10, 18170-18182.	4.0	17
18	Selectivity of a thiosemicarbazonatocopper(<scp>ii</scp>) complex towards duplex RNA. Relevant noncovalent interactions both in solid state and solution. Dalton Transactions, 2016, 45, 18704-18718.	1.6	12

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19	Antiferromagnetic Cuâ€“Gd interactions through an oxime bridge. Dalton Transactions, 2014, 43, 11388-11396.	1.6	8
20	The mechanism of the Cu2+[12-MCCu(Alaha)-4] metallacrown formation and lanthanum(iii) encapsulation. Dalton Transactions, 2014, 43, 9271-9282.	1.6	12
21	Thiosemicarbazonecopper(II) compounds with halide/hexafluorosilicate anions: Structure, water clusters, non-covalent interactions and magnetism. Polyhedron, 2014, 81, 675-686.	1.0	10
22	Desulfurization processes of thiosemicarbazonecopper(ii) derivatives in acidic and basic aqueous media. New Journal of Chemistry, 2013, 37, 3568.	1.4	20
23	Polymorphism and magnetic properties in thiosemicarbazonecopper(II)-sulfate compounds. Polyhedron, 2013, 54, 243-251.	1.0	8
24	A Strictly Dinuclear MnIII-GdIIIComplex: Synthesis and Magnetic Properties. European Journal of Inorganic Chemistry, 2013, 2013, 3307-3311.	1.0	12
25	Pyridine-2-Carbaldehyde Thiosemicarbazonecopper System: Extending Some Findings to Other Thiosemicarbazone and Coordination Compounds. Current Inorganic Chemistry, 2011, 1, 189-210.	0.2	20
26	Biological assays and noncovalent interactions of pyridine-2-carbaldehyde thiosemicarbazonecopper(II) drugs with [poly(dAâ€“dT)]2, [poly(dGâ€“dC)]2, and calf thymus DNA. Journal of Biological Inorganic Chemistry, 2010, 15, 515-532.	1.1	39
27	Polyoxometallateâ€“Thiosemicarbazone Hybrid Compounds. European Journal of Inorganic Chemistry, 2010, 2010, 4513-4525.	1.0	18
28	Design of Triâ€Substituted Dodecatungstosilicate from a Trilacunary Silicotungstate by Insertion of Manganese Ions of [Mn₃(H¼₃â€O)(2â€Câ€benzoato)₆(py)₃]; Synthesis, Structure, Redox and Magnetic Studies. European Journal of Inorganic Chemistry, 2010, 2010, 5517-5522.	1.0	11
29	(1,3,4â€Oxadiazole)copper(II) Compounds: Dimensionality, Magnetism and Nuclease Activity. European Journal of Inorganic Chemistry, 2009, 2009, 373-388.	1.0	15
30	Structural and Magnetic Study of a Trinuclear Mn^{II}â€“Gd^{III}â€“Mn^{II} Complex. European Journal of Inorganic Chemistry, 2009, 2009, 3801-3806.	1.0	39
31	Interaction of the DNA bases and their mononucleotides with pyridine-2-carbaldehyde thiosemicarbazonecopper(II) complexes. Structure of the cytosine derivative. Journal of Inorganic Biochemistry, 2008, 102, 1892-1900.	1.5	37
32	Structure, magnetic properties and nuclease activity of pyridine-2-carbaldehyde thiosemicarbazonecopper(II) complexes. Journal of Inorganic Biochemistry, 2008, 102, 1910-1920.	1.5	50
33	Indirect evidences of desulfurization of a thiosemicarbazonecopper(II) system in aqueous basic medium. Inorganic Chemistry Communication, 2005, 8, 259-262.	1.8	26
34	Unexpected Behaviour of Pyridine-2-carbaldehyde Thiosemicarbazonatocopper(II) Entities in Aqueous Basic Medium - Partial Transformation of Thioamide into Nitrile. European Journal of Inorganic Chemistry, 2005, 2005, 3409-3413.	1.0	23
35	A dinuclear copper(II) complex with a Cu(O, Nâ€“O)Cu bridging core: structural and magnetic (experimental and density functional theory) studies. Inorganica Chimica Acta, 2004, 357, 2150-2156.	1.2	14
36	Coordination Modes in a (Thiosemicarbazone)copper(II)/Oxalato System â^' Structures of [{Cu(L)}2(ox)]Â·2H2O, [Cu(HL)(ox)(H2O)], [{Cu(HL)}2(ox)][Cu(ox)2]Â·2H2O and [{Cu(HL)}2(ox)](NO3)2 â^' Ferro- vs. Antiferromagnetic Behavior in Dinuclear Compounds. European Journal of Inorganic Chemistry, 2003, 2003, 2123-2132.	1.0	27

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37	New 1,3,4-Oxadiazolecopper(II) Derivatives Obtained from Thiosemicarbazone Complexes. European Journal of Inorganic Chemistry, 2003, 2003, 2639-2650.	1.0	33
38	Coordination Modes in a Tridentate NNS (Thiosemicarbazonato)copper(II) System Containing Oxygen-Donor Coligands â^' Structures of [{Cu(L)(X)}2] (X = Formato, Propionato, Nitrito). European Journal of Inorganic Chemistry, 2003, 2003, 518-527.	1.0	42
39	Organicâ€"Inorganic Hybrids Based on Four-Electron Reduced Keggin Î²-Isomer Phosphododecamolybdates and Diazines.. ChemInform, 2003, 34, no.	0.1	0
40	First end-to-end thiocyanato chain containing 5-coordinate copper(II) ions. Inorganic Chemistry Communication, 2003, 6, 558-560.	1.8	27
41	Organicâ€"inorganic hybrids based on four-electron reduced Keggin Î²-isomer phosphododecamolybdates and diazines. New Journal of Chemistry, 2003, 27, 399-408.	1.4	18
42	Coordination of gadolinium(iii) ions with a preformed Âµ-oxo diiron(iii) complex: structural and magnetic data. Dalton Transactions, 2003, , 464-468.	1.6	33
43	Hydrothermal Synthesis at High Pressure and Temperature of the Mg 7.5 Ni 6 H 3 (AsO 4) 8 (OH) 6 and Mg 8 Ni 4 H 6 (PO 4) 8 (OH) 6 Compounds. High Pressure Research, 2002, 22, 569-572.	0.4	5
44	Evidence of Desulfurization in the Oxidative Cyclization of Thiosemicarbazones. Conversion to 1,3,4-Oxadiazole Derivatives. Inorganic Chemistry, 2002, 41, 1345-1347.	1.9	65
45	Dinuclear CoII/GdIII and CoIII/GdIII Complexes Derived from Hexadentate Schiff Bases: Synthesis, Structure, and Magnetic Properties. Chemistry - A European Journal, 2002, 8, 5430-5434.	1.7	71
46	Spectroscopic properties of ironî—¸thiosemicarbazone compounds. Structure of [Fe(C7H7N4S)2]Â·1.25H2O. Inorganica Chimica Acta, 2002, 333, 132-137.	1.2	20
47	Biological activity of complexes derived from pyridine-2-carbaldehyde thiosemicarbazone. Journal of Inorganic Biochemistry, 2001, 84, 271-278.	1.5	68
48	Biological activity of complexes derived from thiophene-2-carbaldehyde thiosemicarbazone. Crystal structure of [Ni(C6H6N3S2)2]. Journal of Inorganic Biochemistry, 2001, 86, 627-633.	1.5	82
49	Versatility of the Nature of the Magnetic Gadolinium(III)â^'Vanadium(IV) Interaction â^' Structure and Magnetic Properties of Two Heterobinuclear [Gd, V(O)] Complexes. European Journal of Inorganic Chemistry, 2001, 2001, 363-365.	1.0	86
50	Spectroscopic and magnetic properties of copper(II) complexes derived from pyridine-2-carbaldehyde thiosemicarbazone. Structures of [Cu(NO3)(C7H8N4S)(H2O)](NO3) and [{Cu(NCS)(C7H7N4S)}2]. Polyhedron, 1999, 18, 3703-3711.	1.0	62
51	Synthesis and spectroscopic properties of copper(II) complexes derived from thiophene-2-carbaldehyde thiosemicarbazone. Structure and biological activity of [Cu(C6H6N3S2)2]. Journal of Inorganic Biochemistry, 1999, 75, 45-54.	1.5	113
52	Synthesis and spectroscopic properties of two pyridine-2-carbaldehyde thiosemicarbazonecopper(II) compounds: [CuX2(C7H8N4S)]Â·H2O (X = Br, Cl). Crystal structure of the bromo complex. Inorganica Chimica Acta, 1996, 249, 25-32.	1.2	52
53	Pyridine-2-carbaldehyde Thiosemicarbazone Hydrochloride Monohydrate, 2C7H9N4S+.2Clâ^'.2H2O. Acta Crystallographica Section C: Crystal Structure Communications, 1995, 51, 2172-2174.	0.4	6
54	Magnetic properties of M/sub 3/(AsO/sub 4/)/sub 2/Â·8H/sub 2/O (M=Co, Ni). IEEE Transactions on Magnetics, 1994, 30, 981-984.	1.2	2

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55	Synthesis, structure, spectroscopic and magnetic properties of two copper(II) dimers containing pyridine-2-carbaldehyde thiosemicarbazonate (L), [{CuL(X)}2](X = Cl or Br). Journal of the Chemical Society Dalton Transactions, 1994, , 2233-2238.	1.1	60