

Isabel Garcia-Santos

List of Publications by Year in descending order

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69
papers

1,637
citations

279798

23
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all docs

72
docs citations

72
times ranked

1818
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral and structural studies of iron(III), cobalt(II,III) and nickel(II) complexes of 2-pyridineformamide N(4)-methylthiosemicarbazone. <i>Polyhedron</i> , 1999, 18, 2919-2929.	2.2	205
2	Structural and spectral characterization of transition metal complexes of 2-pyridineformamide N(4)-dimethylthiosemicarbazone. <i>Polyhedron</i> , 2003, 22, 83-92.	2.2	83
3	Synthesis, crystal structures and spectroscopy of meclofenamic acid and its metal complexes with manganese(II), copper(II), zinc(II) and cadmium(II). Antiproliferative and superoxide dismutase activity. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1187-1195.	3.5	73
4	Interligand interactions involved in the molecular recognition between copper(II) complexes and adenine or related purines. <i>Coordination Chemistry Reviews</i> , 2008, 252, 1241-1256.	18.8	72
5	Organotin(IV) complexes of 2-pyridineformamide-derived thiosemicarbazones: Antimicrobial and cytotoxic effects. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1454-1461.	5.5	62
6	Tricarbonylrhenium(I) Complexes with Thiosemicarbazone Derivatives of 2-Acetylpyridine and 2-Pyridine Formamide Showing Two Unusual Coordination Modes of Tridentate Thiosemicarbazone Ligands. <i>Inorganic Chemistry</i> , 2004, 43, 1834-1836.	4.0	60
7	Zinc(II) complexes of 2-acetyl pyridine 1-(4-fluorophenyl)-piperazinyl thiosemicarbazone: Synthesis, spectroscopic study and crystal structures – Potential anticancer drugs. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 467-476.	3.5	58
8	Stable gold(III) complexes with thiosemicarbazone derivatives. <i>Dalton Transactions</i> , 2004, , 677-682.	3.3	57
9	Neutral NiII, PdII and PtII ONS-pincer complexes of 5-acetylbarbituric-4N-dimethylthiosemicarbazone: synthesis, characterization and properties. <i>Dalton Transactions</i> , 2012, 41, 13486.	3.3	53
10	Structural studies of metal complexes of 2-pyridineformamide N(4)-methylthiosemicarbazone. <i>Polyhedron</i> , 2002, 21, 729-737.	2.2	46
11	Synthesis, characterization and DFT calculations of a novel hexanuclear silver(I) cluster-complex containing 4-ethyl-5-pyridin-2-yl-2,4-dihydro-[1,2,4]triazol-3-thione as a result from the cyclization of 2-pyridineformamide N-4-ethylthiosemicarbazone. <i>Polyhedron</i> , 2006, 25, 3653-3660.	2.2	40
12	Structures of 2-pyridineformamide thiosemicarbazone and its complexes with cadmium halides. <i>Polyhedron</i> , 2000, 19, 1873-1880.	2.2	39
13	Iron(III), cobalt(II,III), copper(II) and zinc(II) complexes of 2-pyridineformamide 3-piperidylthiosemicarbazone. <i>Polyhedron</i> , 2001, 20, 3265-3273.	2.2	38
14	Spectral studies and X-ray crystal structures of three nickel(II) complexes of 2-pyridineformamide 3-piperidylthiosemicarbazone. <i>Polyhedron</i> , 2002, 21, 859-865.	2.2	37
15	Spectral and structural studies of mercury(II) complexes of 2-pyridineformamide N(4)-dimethylthiosemicarbazone. <i>Polyhedron</i> , 2003, 22, 1147-1154.	2.2	35
16	Tin(IV) complexes with 2-pyridineformamide-derived thiosemicarbazones: Antimicrobial and potential antineoplastic activities. <i>Polyhedron</i> , 2009, 28, 1179-1185.	2.2	34
17	Quasi-aromatic Möbius Metal Chelates. <i>Inorganic Chemistry</i> , 2018, 57, 4395-4408.	4.0	32
18	Synthesis, Characterization, and Properties of Some Copper(II) Complexes of 2-Pyridineformamide Thiosemicarbazone (HAm4DH). <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1231-1244.	2.0	31

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19	Spectral and structural studies of Zn and Cd complexes of 2-pyridineformamide N(4)-ethylthiosemicarbazone. <i>Polyhedron</i> , 2004, 23, 2303-2313.	2.2	30
20	Structural and spectroscopic studies on some metal complexes of an 8-hydroxyquinoline derivative. <i>Inorganica Chimica Acta</i> , 2010, 363, 193-198.	2.4	29
21	Synthesis, structures, antimicrobial activity and biosafety evaluation of pyridine-2-formaldehyde- <i>N</i> -substituted-thiosemicarbazones of copper(II). <i>New Journal of Chemistry</i> , 2018, 42, 15879-15894.	2.8	24
22	Variability in the Coordination Modes of 2-Pyridineformamide Thiosemicarbazone (HAM4DH) in some Zinc(II), Cadmium(II), and Mercury(II) Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2011-2019.	1.2	23
23	Supramolecular Architecture in Gold(I) and Gold(III) 2-Pyridineformamide Thiosemicarbazone Complexes by Secondary Interactions: Synthesis, Structures, and Luminescent Properties. <i>Crystal Growth and Design</i> , 2012, 12, 1432-1442.	3.0	23
24	Metallo-Supramolecular Structures by Self-Assembly through Weak Interactions in Mixed Ligand Metal Complexes of Adenine and Malonate. <i>Crystal Growth and Design</i> , 2014, 14, 249-260.	3.0	23
25	Silver derivatives of multi-donor heterocyclic thioamides as antimicrobial/anticancer agents: unusual bio-activity against methicillin resistant <i>S. aureus</i> , <i>S. epidermidis</i> , and <i>E. faecalis</i> and human bone cancer MG63 cell line. <i>RSC Advances</i> , 2019, 9, 15470-15487.	3.6	23
26	Stabilization of gold(I) and gold(III) complexes by pyridil bis{3-hexamethylene-iminylthiosemicarbazone}: spectroscopic, structural and computational study. <i>Dalton Transactions</i> , 2009, , 2731.	3.3	22
27	Symmetrisation in the Interaction of Chloro[2-(dimethylaminomethyl)phenyl-C1]mercury(II) with Thiosemicarbazone Derivatives of Pyridine-2-carboxamide and Pyrazin-2-carboxamide. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3079-3087.	2.0	21
28	Multicomponent Supramolecular Assemblies of Melamine and \pm -Hydroxycarboxylic Acids: Understanding the Hydrogen Bonding Patterns and Their Physicochemical Consequences. <i>Crystal Growth and Design</i> , 2018, 18, 6786-6800.	3.0	21
29	Structural and Coordinative Variability in Zinc(II), Cadmium(II), and Mercury(II) Complexes of 2-Pyridineformamide 3-Hexamethyleneiminylthiosemicarbazone. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 1096-1109.	1.2	20
30	Synthesis and structures of dioxouranium complexes with 2-pyridineformamide thiosemicarbazones. <i>Inorganic Chemistry Communication</i> , 2004, 7, 440-442.	3.9	19
31	Synthesis of 2-acetylpyridine- <i>N</i> -substituted thiosemicarbazones of copper(II) with high antimicrobial activity against methicillin resistant <i>S. aureus</i> , <i>K. pneumoniae</i> 1 and <i>C. albicans</i> . <i>New Journal of Chemistry</i> , 2019, 43, 11727-11742.	2.8	19
32	Recurrent motifs in pharmaceutical cocrystals involving glycolic acid: X-ray characterization, Hirshfeld surface analysis and DFT calculations. <i>CrystEngComm</i> , 2020, 22, 6674-6689.	2.6	19
33	Spectral and Structural Studies of Transition Metal Complexes of 2-Pyridineformamide N(4)-ethylthiosemicarbazone. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 728-738.	1.2	18
34	Coordination of ZnII, CdII, and HgII by 2-Pyridineformamide-3-piperidyl-thiosemicarbazone. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002, 628, 492-504.	1.2	17
35	Synthesis of 5-nitro-salicylaldehyde-N-substituted thiosemicarbazones of copper(II): Molecular structures, spectroscopy, ESI-mass studies and antimicrobial activity. <i>Inorganica Chimica Acta</i> , 2017, 461, 248-260.	2.4	16
36	Variable coordination and C=S bond cleavage activity of N-substituted imidazolidine-2-thiones towards copper: synthesis, spectroscopy, structures, ESI-mass and antimicrobial studies. <i>Dalton Transactions</i> , 2017, 46, 1324-1339.	3.3	16

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37	Luminescent complexes of silver(I) with pyridylbis(3-hexamethyleneiminyl thiosemicarbazone): effect of the counterion on the nuclearity. Dalton Transactions, 2012, 41, 3787.	3.3	15
38	Oxorhenium(V) Complexes with Thiosemicarbazones. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 697-700.	1.2	14
39	Desulfuration and Cyclization of (<i>Z</i>)-[Amino(pyridine-2-yl)methylene]-hydrazonocarbothioamide in the Presence of Manganese(II). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2907-2916.	1.2	14
40	Supramolecular interactions in biologically relevant compounds. 2-Pyrazineformamide thiosemicarbazones and some products of their cyclization. Journal of Molecular Structure, 2014, 1074, 1-18.	3.6	14
41	Structural Study of Nickel(II), Copper(II), and Palladium(II) Complexes of 2-Pyridineformamide 3-Hexamethyleneiminylthiosemicarbazone. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 409-415.	1.2	13
42	Ferromagnetic heterotrinnuclear Cu ^{II} -Ni complexes of a compartmental chiral Schiff base. Dalton Transactions, 2011, 40, 11770.	3.3	13
43	Stabilization of Cu(I) Bonds Using 2-Benzoylpyridine Thiosemicarbazones - Synthesis, Structure, Spectroscopy, Fluorescence, and Cyclic Voltammetry. European Journal of Inorganic Chemistry, 2015, 2015, 5106-5117.	2.0	11
44	Synthesis, structures and antimicrobial activity of copper derivatives of N-substituted imidazolidine-2-thiones: unusual bio-activity against Staphylococcus epidermidis and Enterococcus faecalis. New Journal of Chemistry, 2018, 42, 9886-9900.	2.8	11
45	Synthesis, structures, and novel antimicrobial activity of silver(I) halide complexes of imidazolidine-2-thiones. Polyhedron, 2020, 175, 114235.	2.2	11
46	Synthesis, Structural Characterization and Properties of the Palladium(II) and Platinum(II) Complexes of [2-(pyridine-2-yl)aminomethylene]hydrazono-4-thiazolidinone and the 3-methyl Derivative. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2281-2290.	1.4	9
47	In situ generation of functionalized 1,2,4-triazole-5-thiones containing pyridine or pyrazine moieties and their coordination to Hg ^{II} . CrystEngComm, 2016, 18, 3428-3446.	2.6	9
48	Structural basis and effect of copper(II) complexes with 4-oxo-thiazolidine ligands on DNA binding and nuclease activity. Journal of Inorganic Biochemistry, 2020, 203, 110902.	3.5	9
49	Structural and photophysical studies on a linear trinuclear zinc complex of 2-[(2-hydroxyethylimino)methyl]quinolin-8-ol. Polyhedron, 2009, 28, 3055-3059.	2.2	8
50	Weak Interactions in Cocrystals of Isoniazid with Glycolic and Mandelic Acids. Crystals, 2021, 11, 328.	2.2	8
51	Lead(II) supramolecular structures formed through a cooperative influence of the hydrazinecarbothioamide derived and ancillary ligands. CrystEngComm, 2022, 24, 368-378.	2.6	7
52	Pt ₄ S ₄ Clusters with Functionalized Thiosemicarbazones derived from 5-Acetylbarbituric Acid. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 2255-2261.	1.2	6
53	Design and synthesis of methyl 2-[4-phenyl-5-(pyridin-2-yl)-4H-1,2,4-triazol-3-yl]sulfanyl}acetate (phpy2NS) as a ligand for complexes of Group 12 elements: structural assessment and hydrogen-bonded supramolecular assembly analysis. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 891-903.	0.5	6
54	A manganese(II) coordination polymer with a 3D porous structure: Synthesis, structure, and spectroscopic and magnetic behaviour. Polyhedron, 2009, 28, 860-864.	2.2	5

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55	Multicomponent Solids of DL-2-Hydroxy-2-phenylacetic Acid and Pyridinecarboxamides. <i>Crystals</i> , 2022, 12, 142.	2.2	4
56	Supramolecular aggregation of lead(II) perchlorate and a thiosemicarbazide derivative linked by a myriad of non-covalent interactions. <i>Inorganica Chimica Acta</i> , 2022, 538, 120974.	2.4	4
57	Synthesis, crystal structure and properties of three different derivatives of bis[di(2-pyridyl)methanediol]copper(II), [Cu(bpmd) ₂] ²⁺ . <i>Journal of Coordination Chemistry</i> , 2009, 62, 120-129.	2.2	2
58	Solid State Structures of Cadmium Complexes with Relevance for Biological Systems. <i>Metal Ions in Life Sciences</i> , 2013, 11, 145-189.	2.8	2
59	Thiosemicarbazones of copper: Crystal structures of [(furan-2-acetaldehyde-N-phenyl-thiosemicarbazonato)][bis(triphenylphosphine)]copper(I) and [bis(furan-2-formaldehyde-N-phenyl-thiosemicarbazonato)]copper(II). <i>Polyhedron</i> , 2018, 152, 49-54.	2.2	1
60	Synthesis and Characterization of Some 5-Acetylbarbituric Based Thiosemicarbazone Derivatives. <i>Proceedings (mdpi)</i> , 2019, 41, .	0.2	1
61	Supramolecular, spectroscopic and computational analysis of weak interactions in some thiosemicarbazones derived from 5-acetylbarbituric acid. <i>Journal of Molecular Structure</i> , 2021, 1245, 131031.	3.6	1
62	Synthesis and Structural Assessment of Methyl 2-(4-Phenyl-5-(Pyridin-2-yl)-4H-1,2,4-Triazol-3-yl)Thioacetate (phpy2NS) and Its Complex with HgCl ₂ . <i>Proceedings (mdpi)</i> , 2018, 2, 1115.	0.2	0
63	Structural Study of Three 1,2,4-triazole Derivatives Prepared by Oxidative Cyclization of Thiosemicarbazides. <i>Proceedings (mdpi)</i> , 2019, 9, 20.	0.2	0
64	Microwave assisted synthesis, the most efficient method for the synthesis of thiazolidin-4-ones from thiosemicarbazones. , 0, , .		0
65	Copper(I) Derivative of Pyridine-3-carbaldehyde-N-ethylthiosemicarbazone and Triphenylphosphineâ€”First Case of Crystal Structure Study. <i>Journal of Chemical Crystallography</i> , 0, , 1.	1.1	0
66	Interactions between Isoniazid and Î±-Hydroxycarboxylic Acids. <i>Chemistry Proceedings</i> , 2020, 3, .	0.1	0
67	Copper(I) derivatives of 4-benzoylpyridine thiosemicarbazone and 3-formylpyridine-N-methylthiosemicarbazone with triphenylphosphine as a co-ligand. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100298.	2.8	0
68	Supramolecular Aggregation of Lead(II) Perchlorate and a Thiosemicarbazide Derivative Linked by a Myriad of Non-Covalent Interactions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
69	Multicomponent Crystalline Solid Forms of Pyridinecarboxamides and DL-2-Hydroxy-2-phenylacetic Acid. , 2021, 8, .		0