M Carmen Rodrguez-Argelles

List of Publications by Year in Descending Order

48 papers	1,570 citations	23 h-index	39 g-index
51 ext. papers	1,724 ext. citations	4.9 avg, IF	4.29 L-index

#	Paper	IF	Citations
48	Saccorhiza polyschides used to synthesize gold and silver nanoparticles with enhanced antiproliferative and immunostimulant activity. *Materials Science and Engineering C*, **2021**, 123, 111960	8.3	6
47	Eco-friendly extraction of Mastocarpus stellatus carrageenan for the synthesis of gold nanoparticles with improved biological activity. *International Journal of Biological Macromolecules*, **2021**, 183, 1436-1449	7.9	6
46	Evaluation of the Antioxidant Capacities of Antarctic Macroalgae and Their Use for Nanoparticles Production. *Molecules*, **2021**, 26,	4.8	3
45	Wealth from by-products: an attempt to synthesize valuable gold nanoparticles from Brassica oleracea var. acephala cv. Galega stems. *Journal of Nanostructure in Chemistry*, **2021**, 11, 635	7.6	2
44	Toxicity in vitro and in Zebrafish Embryonic Development of Gold Nanoparticles Biosynthesized Using Macroalgae Extracts. *International Journal of Nanomedicine*, **2021**, 16, 5017-5036	7.3	3
43	Synthesis, process optimization and characterization of gold nanoparticles using crude fucoidan from the invasive brown seaweed Sargassum muticum. *Algal Research*, **2021**, 58, 102377	5	2
42	Seaweeds: A promising bionanofactory for ecofriendly synthesis of gold and silver nanoparticles **2020**, 507-541		6
41	Synthesis of silver and gold nanoparticles by Sargassum muticum biomolecules and evaluation of their antioxidant activity and antibacterial properties. *Journal of Nanostructure in Chemistry*, **2020**, 10, 317-330	7.6	29
40	Immunostimulant and biocompatible gold and silver nanoparticles synthesized using the Ulva intestinalis L. aqueous extract. *Journal of Materials Chemistry B*, **2019**, 7, 4677-4691	7.3	17
39	Macroalgae to nanoparticles: Study of Ulva lactuca L. role in biosynthesis of gold and silver nanoparticles and of their cytotoxicity on colon cancer cell lines. *Materials Science and Engineering C* , **2019**, 97, 498-509	8.3	42
38	New application of two Antarctic macroalgae Palmaria decipiens and Desmarestia menziesii in the synthesis of gold and silver nanoparticles. *Polar Science*, **2018**, 15, 49-54	2.3	15
37	Nanometals in Cancer Diagnosis and Therapy **2018**, 407-428		1
36	Harnessing the wine dregs: An approach towards a more sustainable synthesis of gold and silver nanoparticles. *Journal of Photochemistry and Photobiology B: Biology*, **2018**, 178, 302-309	6.7	11
35	Comparison of the effectiveness of several commercial products and two new copper complexes to control Pseudomonas syringae pv. actinidiae. *Acta Horticulturae*, **2018**, 247-252	0.3	3
34	Synthesis, structural and spectroscopic studies of 2-oxoacenaphthylen-1(2H)-ylidene nicotinohydrazide. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 172, 189-198	4.4	1
33	Green synthesis of gold nanoparticles using brown algae Cystoseira baccata: Its activity in colon cancer cells. *Colloids and Surfaces B: Biointerfaces*, **2017**, 153, 190-198	6	152
32	Synthesis, spectral characterization and X-ray crystallographic study of new copper(I) complexes. Antitumor activity in colon cancer. *Polyhedron*, **2016**, 119, 112-119	2.7	8

31	Coated nickel foam electrode for the implementation of continuous electro-Fenton treatment. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 685-692	3.5	11
30	Copper(I) complexes of methyl 4-aryl-6-methyl-3,4-dihydropyrimidine-2(1H)-thione-5-carboxylates. Synthesis, characterization and activity in human breast cancer cells. *Inorganica Chimica Acta*, **2015**, 438, 160-167	2.7	8
29	Chitosan and silver nanoparticles as pudding with raisins with antimicrobial properties. *Journal of Colloid and Interface Science*, **2011**, 364, 80-4	9.3	39
28	Gold nanoparticles enhancing dismutation of superoxide radical by its bis(dithiocarbamato)copper(II) shell. *Inorganic Chemistry*, **2011**, 50, 4705-12	5.1	9
27	A copper(II) thiosemicarbazone complex built on gold for the immobilization of lipase and laccase. *Journal of Colloid and Interface Science*, **2010**, 348, 96-100	9.3	11
26	Evaluation of the antimicrobial activity of some chloro complexes of imidazole-2-carbaldehyde semicarbazone: X-ray crystal structure of cis-NiCl2(H2L)(H2O). *Polyhedron*, **2010**, 29, 864-870	2.7	23
25	Complexes of 2-acetyl-gamma-butyrolactone and 2-furancarbaldehyde thiosemicarbazones: antibacterial and antifungal activity. *Journal of Inorganic Biochemistry*, **2009**, 103, 35-42	4.2	75
24	Antibacterial and antifungal activity of metal(II) complexes of acylhydrazones of 3-isatin and 3-(N-methyl)isatin. *Polyhedron*, **2009**, 28, 2187-2195	2.7	53
23	Building layer-by-layer a bis(dithiocarbamato)copper(II) complex on Au[111] surfaces. *Journal of the American Chemical Society*, **2007**, 129, 6927-30	16.4	26
22	Complexes of 2-thiophenecarbonyl and isonicotinoyl hydrazones of 3-(N-methyl)isatin. A study of their antimicrobial activity. *Journal of Inorganic Biochemistry*, **2007**, 101, 138-47	4.2	85
21	Sodium 2-oxo-3-semicarbazono-2,3-dihydro-1H-indole-5-sulfonate dihydrate. *Acta Crystallographica Section C: Crystal Structure Communications*, **2006**, 62, m241-2		3
20	Antimicrobial and mutagenic properties of organotin(IV) complexes with isatin and N-alkylisatin bisthiocarbonohydrazones. *Journal of Inorganic Biochemistry*, **2005**, 99, 397-408	4.2	77
19	Copper complexes of imidazole-2-, pyrrole-2- and indol-3-carbaldehyde thiosemicarbazones: inhibitory activity against fungi and bacteria. *Journal of Inorganic Biochemistry*, **2005**, 99, 2231-9	4.2	122
18	Isatin 3-semicarbazone and 1-methylisatin 3-semicarbazone. *Acta Crystallographica Section C: Crystal Structure Communications*, **2005**, 61, o589-92		10
17	Cobalt and nickel complexes of versatile imidazole- and pyrrole-2-carbaldehyde thiosemicarbazones. Synthesis, characterisation and antimicrobial activity. *Inorganica Chimica Acta*, **2004**, 357, 2543-2552	2.7	49
16	Synthesis, characterization and biological activity of Ni, Cu and Zn complexes of isatin hydrazones. *Journal of Inorganic Biochemistry*, **2004**, 98, 313-21	4.2	172
15	Transition-metal complexes of isatin-beta-thiosemicarbazone. X-ray crystal structure of two nickel complexes. *Journal of Inorganic Biochemistry*, **1999**, 73, 7-15	4.2	51
14	Synthesis, structure, spectroscopic properties and biological activity of mixed diorganotin(IV) complexes containing pyridine-2-carbaldehyde thiosemicarbazonato and diphenyldithiophosphinato ligands. *Journal of Inorganic Biochemistry*, **1999**, 76, 277-84	4.2	24

13	Diorganotin(IV) complexes of pyridoxal thiosemicarbazone: synthesis, spectroscopic properties and biological activity. *Journal of Inorganic Biochemistry*, **1998**, 69, 283-92	4.2	32
12	Acenaphthenequinone thiosemicarbazone and its transition metal complexes: synthesis, structure, and biological activity. *Journal of Inorganic Biochemistry*, **1997**, 66, 7-17	4.2	48
11	Synthesis, structure, and spectroscopic properties of acetato(dimethyl)(pyridine-2-carbaldehydethiosemicarbazonato)tin(IV) acetic acid solvate, [SnMe2(PyTSC)(OAc)].HOAc. Comparison of its biological activity with that of some structurally related diorganotin(IV) bis(thiosemicarbazonates). *Journal of Inorganic Biochemistry*, **1996**, 62, 41-55	4.2	39
10	2,6-diacetylpyridine bis(thiosemicarbazones) zinc complexes: synthesis, structure, and biological activity. *Journal of Inorganic Biochemistry*, **1995**, 58, 157-75	4.2	56
9	Cobalt(III) complexes with thiosemicarbazones as co-ordinating agents. Spontaneous resolution by crystallization and absolute configuration. *Journal of the Chemical Society Dalton Transactions*, **1995** , 3035-3040		36
8	Transition-metal complexes of cyclohexane-1,2-dione bis(thiosemicarbazone)(H2L). Crystal structures of [ZnL(OH2)]·dmf (dmf = dimethylformamide) and [Zn(H2L)Cl]Cl·2H2O. *Journal of the Chemical Society Dalton Transactions*, **1995**, 2297-2303		16
7	Diorganotin(IV) derivatives of salicylaldehydethiosemicarbazone. The crystal structure of dimethyl- and diphenyl- (salicylaldehydethiosemicarbazonato)tin(IV). *Inorganica Chimica Acta*, **1994**, 216, 169-175	2.7	54
6	Synthesis and spectroscopic properties of diorganotin(IV) derivatives of 2,6-diacetylpyridine bis(thiosemicarbazone). Crystal structure of diphenyl{2,6-diacetylpyridine bis(thiosemicarbazonato)}tin(IV) bis(dimethylformamide) solvate. *Inorganica Chimica Acta*, **1994**, 221, 61-68	2.7	38
5	(p-Anisaldehyde thiosemicarbazonato)dimethylthallium(III): an unusual structure for a co-ordinated thiosemicarbazone. *Journal of the Chemical Society Dalton Transactions*, **1993**, 353-354		21
4	Dimethylthallium(III) and methylmercury(II) derivatives of pyridine-2-carbaldehyde thiosemicarbazone: synthesis and structure. *Journal of the Chemical Society Dalton Transactions*, **1993**, 1253-1259		29
3	Synthesis, and spectral and X-ray characterization, of methylmercury(II) and dimethylthallium(III) complexes of 2-furanthiocarboxyhydrazide. *Inorganica Chimica Acta*, **1992**, 197, 163-168	2.7	3
2	The Crystal and Molecular Structure of Methyl(Cyclopentanone-Thiosemicarbazonato)Mercury(II). *Journal of Coordination Chemistry*, **1991**, 24, 177-181	1.6	15
1	Synthetic, spectroscopic, and X-ray studies on methylmercury(II) and dimethylthallium(III) complexes with cyclopentanone thiosemicarbazone. *Journal of the Chemical Society Dalton Transactions*, **1989**, 1787-1791		27