Mariano Laguna

List of Publications by Year
in descending order

64 papers	2,883 citations	159585 30 h-index	168389 53 g-index
65 all docs	65 docs citations	65 times ranked	2860 citing authors

#	Article	IF	Citations
1	(Tetrahydrothiophene)Gold(I) or Gold(III) Complexes. Inorganic Syntheses, 2007, , 85-91.	0.3	480
2	Organometallic Gold(III) Compounds as Catalysts for the Addition of Water and Methanol to Terminal Alkynes. Journal of the American Chemical Society, 2003, 125, 11925-11935.	13.7	281
3	Anticancer Therapeutics That Target Selenoenzymes: Synthesis, Characterization, inâ€…vitro Cytotoxicity, and Thioredoxin Reductase Inhibition of a Series of Gold(I) Complexes Containing Hydrophilic Phosphine Ligands. ChemMedChem, 2010, 5, 96-102.	3.2	115
4	Homogenous Catalysis with Gold:Â Efficient Hydration of Phenylacetylene in Aqueous Media. Organometallics, 2007, 26, 952-957.	2.3	113
5	Antiproliferative Activity of Gold(I) Alkyne Complexes Containing Water-Soluble Phosphane Ligands. Organometallics, 2010, 29, 2596-2603.	2.3	100
6	Gold complexes with heterocyclic thiones as ligands. X-Ray structure determination of [Au(C5H5NS)2]ClO4. Journal of the Chemical Society Dalton Transactions, 1990, , 3457-3463.	1.1	90
7	Synthesis, Characterization, and In Vitro Cytotoxicity of Some Gold(I) and Trans Platinum(II) Thiolate Complexes Containing Water-Soluble PTA and DAPTA Ligands. X-ray Crystal Structures of [Au(SC₄H₃N₂)(PTA)],trans-[Pt(SC₄H₃N₂)₂(PTA)₂] andtrans-[Pt(SC₅H₄N)₂(DAPTA)₂]. Inorganic Chemistry, 2008, 47, 5641-5648.	4.6	86
8	Synthesis and reactivity of bimetallic Auâ€“Ag polyfluorophenyl complexes; crystal and molecular structures of [{AuAg(C6F5)2(SC4H8)}n] and [{AuAg(C6F5)2(C6H6)}n]. Journal of the Chemical Society Dalton Transactions, 1984, , 285-292.	1.1	82
9	Organometallic Gold(I) and Gold(III) Complexes Containing 1,3,5-Triaza-7-phosphaadamantane (TPA):â€‰ Examples of Water-Soluble Organometallic Gold Compounds. Organometallics, 2006, 25, 644-648.	2.3	71
10	Rosa canina Extracts Have Antiproliferative and Antioxidant Effects on Caco-2 Human Colon Cancer. PLoS ONE, 2016, 11, e0159136.	2.5	69
11	Water-Soluble and Water-Stable Organometallic Gold(II) Complexes. Organometallics, 2006, 25, 3084-3087.	2.3	62
12	Gold(I) and Palladium(II) Thiolato Complexes Containing Water-Soluble Phosphane Ligands. European Journal of Inorganic Chemistry, 2007, 2007, 2926-2933.	2.0	62
13	Gold compounds as efficient co-catalysts in palladium-catalysed alkynylation. Catalysis Today, 2007, 122, 403-406.	4.4	61
14	Lossy mode resonance optical fiber sensor to detect organic vapors. Sensors and Actuators B: Chemical, 2013, 187, 65-71.	7.8	57
15	Bis(diphenylphosphino)-methanide or -amide and its derivatives as ligands in gold chemistry: a review. Journal of Organometallic Chemistry, 1990, 394, 743-756.	1.8	54
16	A Silver(I) Coordination Polymer Containing TridentateN- andP-Coordinating 1,3,5-Triaza-7-phosphaadamantane (PTA) Ligands. European Journal of Inorganic Chemistry, 2006, 2006, 3152-3154.	2.0	54
17	Synthesis and reactivity of bimetallic Auâ€“Ag complexes. X-Ray structure of a chain polymer containing the moietyâ€¦(F5C6)2Au(Âµ-AgSC4H8)2Au(C6F5)2â€¦. Journal of the Chemical Society Chemical Communications, 1981, , 1097-1098.	2.0	53
18	Thiolato gold(i) complexes containing water-soluble phosphane ligands: a characterization of their chemical and biological properties. Dalton Transactions, 2011, 40, 10927.	3.3	53

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19	trans-Thionate Derivatives of Pt(II) and Pd(II) with Water-Soluble Phosphane PTA and DAPTA Ligands: Antiproliferative Activity against Human Ovarian Cancer Cell Lines. Inorganic Chemistry, 2013, 52, 6635-6647.	4.0	53
20	S-Propargylthiopyridine Phosphane Derivatives As Anticancer Agents: Characterization and Antitumor Activity. Organometallics, 2013, 32, 3710-3720.	2.3	53
21	Synthesis of dithiolate gold(III) complexes by dithiolate transfer reactions. X-ray structure of [Au(C6F5)(S2C6H4)(PPh3)]. Journal of Organometallic Chemistry, 1995, 492, 105-110.	1.8	41
22	In vitro and in vivo evaluation of organometallic gold(<scp>i</scp>) derivatives as anticancer agents. Dalton Transactions, 2016, 45, 2462-2475.	3.3	41
23	Optical fiber sensing devices based on organic vapor indicators towards sensor array implementation. Sensors and Actuators B: Chemical, 2009, 137, 139-146.	7.8	40
24	Gold(I) complexes with alkylated PTA (1,3,5-triaza-7-phosphaadamantane) phosphanes as anticancer metallodrugs. European Journal of Medicinal Chemistry, 2014, 79, 164-172.	5.5	37
25	Synthesis and application of gold-carbon hybrids as catalysts for the hydroamination of alkynes. Applied Catalysis A: General, 2013, 456, 88-95.	4.3	34
26	Behavioral experimental studies of a novel vapochromic material towards development of optical fiber organic compounds sensor. Sensors and Actuators B: Chemical, 2001, 76, 25-31.	7.8	33
27	New preparation of gold-silver complexes and optical fibre environmental sensors based on vapochromic [Au2Ag2(C6F5)4(phen)2]n. Applied Organometallic Chemistry, 2005, 19, 1232-1238.	3.5	33
28	Pyridine-2-thionate as a versatile ligand in Pd(ii) and Pt(ii) chemistry: the presence of three different co-ordination modes in [Pd2(Î¼2-S,N-C5H4SN)(Î¼2-Î²2S-C5H4SN)(Î¼2-dppm)(S-C5H4SN)2]. Dalton Transactions 2006, , 609-616.	3.3	32
29	Novel Gold(I) Thiolate Derivatives Synergistic with 5-Fluorouracil as Potential Selective Anticancer Agents in Colon Cancer. Inorganic Chemistry, 2017, 56, 8562-8579.	4.0	32
30	Alternative synthesis of binuclear gold(II) ylide complexes: cationic gold(II) complexes. X-Ray crystal structures of [{Au(CH2)2PPh2}2Br2] and [{Au(CH2)2PPh2}2(PPh3)2][CLO4]2. Journal of the Chemical Society Dalton Transactions, 1991, , 1361-1365.	1.1	31
31	Volatile organic compounds optical fiber sensor based on lossy mode resonances. Sensors and Actuators B: Chemical, 2012, 173, 523-529.	7.8	31
32	Dalton communications. New co-ordination mode of 4,5-dimercapto-1,3-dithiole-2-thionate(2â€“) in polynuclear gold(I) complexes. Crystal structures of [Au3(Âµ3-C3S5)(PPh3)3] ClO4and [Au4(Âµ-C3S5)2(Âµ-Ph2PCH2PPh2)2]. Journal of the Chemical Society Dalton Transactions, 1994, , 1325-1326.	1.1	27
33	Water-Soluble Phosphanes Derived from 1,3,5-Triaza-7-phosphaadamantane and Their Reactivity towards Gold(I) Complexes. European Journal of Inorganic Chemistry, 2013, 2013, 2020-2030.	2.0	25
34	Gold/carbon nanocomposite foam. Chemical Physics Letters, 2006, 420, 86-89.	2.6	24
35	Bimetallic goldâ€”silver pentachlorophenyl complexes. Inorganica Chimica Acta, 1985, 101, 151-153.	2.4	23
36	Water-soluble and water-stable Gold(I), Gold(II) and Gold(III) phosphine complexes: The early years. Gold Bulletin, 2006, 39, 212-215.	2.7	23

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37	Synthesis, characterization and solubility studies of four new highly water soluble 1,3,5-triaza-7-phosphaadamantane (PTA) salts and their gold(I) complexes. Polyhedron, 2010, 29, 1925-1932.	2.2	23
38	Synthesis of Gold(I) Derivatives Bearing Alkylated 1,3,5â€Triazaâ€7â€phosphaadamantane as Selective Anticancer Metallodrugs. European Journal of Inorganic Chemistry, 2016, 2016, 2791-2803.	2.0	23
39	Application of gold complexes in the development of sensors for volatile organic compounds. Gold Bulletin, 2007, 40, 225-233.	2.7	20
40	Synthesis of (diphenylphosphinothioyl)methyldiphenylphosphoniomethanide complexes of gold and silver. X-Ray structure of [Au(C6F5){SPh2PCH[Au(C6F5)]PPh2Me}]. Journal of the Chemical Society Dalton Transactions, 1990, , 333-338.	1.1	18
41	PPh(2-C6H4S)2 as a Pincer Ligand in Nickel(II) and Palladium(II) Complexes â€" X-ray Structure of [Ni{PPh(C6H4S)2}(PPh2Me)], [Pd2(Î¼-dppe){PPh(C6H4S)2}2] and [Ni{PPh(C6H4S)2}]2. European Journal of Inorganic Chemistry, 2002, 2002, 826-833.	2.0	18
42	In Vivo Anticancer Activity, Toxicology and Histopathological Studies of the Thiolate Gold(I) Complex [Au(Spyrimidine)(PTA-CH₂Ph)]Br. Anti-Cancer Agents in Medicinal Chemistry, 2015, 15, 773-782.	1.7	18
43	New selective thiolate gold(i) complexes inhibit the proliferation of different human cancer cells and induce apoptosis in primary cultures of mouse colon tumors. Dalton Transactions, 2020, 49, 1915-1927.	3.3	17
44	Ortho-Metalated Benzenethiolate Bridging Dinuclear Palladium(II) Complexes. X-ray Structures of [Sn2(Î¼-C6H4S)2(tBu)4] and [Pd2(Î¼-C6H4S)(Î¼-dppm)2Cl2]. Organometallics, 2002, 21, 121-126.	2.3	15
45	Synthesis and properties of alkynethiolate gold(i) complexes. Dalton Transactions, 2007, , 5329.	3.3	14
46	Synthesis and coordination chemistry of an alkyne functionalised bis(pyrazolyl)methane ligand. Dalton Transactions, 2006, , 5567.	3.3	13
47	S,C- and S,S-coupling via dithiolate transfer reactions from tin to nickel complexes. Dalton Transactions, 2009, , 6825.	3.3	13
48	Tailored production of nanostructured metal/carbon foam by laser ablation of selected organometallic precursors. Carbon, 2010, 48, 1807-1814.	10.3	13
49	Optimization of single mode fibre sensors to detect organic vapours. Sensors and Actuators B: Chemical, 2011, 157, 388-394.	7.8	13
50	Anticancer Activity of Alkynylgold(I) with P(NMe2)3 Phosphane in Mouse Colon Tumors and Human Colon Carcinoma Caco-2 Cell Line. Inorganic Chemistry, 2019, 58, 15536-15551.	4.0	13
51	Binuclear manganese(III, IV) complexes. Transition Metal Chemistry, 1975, 1, 21-25.	1.4	12
52	Bis(1,2,3-thiadiazole)s as Precursors in the Synthesis of Bis(alkynethiolate)gold(I) Derivatives. European Journal of Inorganic Chemistry, 2009, 2009, 137-146.	2.0	12
53	â€˜Laser chemistryâ€™ synthesis, physicochemical properties, and chemical processing of nanostructured carbon foams. Nanoscale Research Letters, 2013, 8, 233.	5.7	12
54	Selective Anticancer and Antimicrobial Metallodrugs Based on Gold(III) Dithiocarbamate Complexes. Biomedicines, 2021, 9, 1775.	3.2	9

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55	Palladium and platinum pyrimidine-2-thionate complexes with diphosphines. Polyhedron, 2012, 43, 15-21.	2.2	8
56	A new family of sulfur-rich ligands based on the dmit system: synthesis and metal complexation of 4â€“4â€²-covalently bridged bis(2-thioxo-1,3-dithiol-5-thiolato) units. Dalton Transactions RSC, 2002, , 2654-2659.	2.3	7
57	Multifunctional coordination compounds based on lanthanide ions and 5-bromonicotinic acid: magnetic, luminescence and anti-cancer properties. CrystEngComm, 2019, 21, 3881-3890.	2.6	7
58	Role of PTA in the prevention of Cu(amyloid-Î²) induced ROS formation and amyloid-Î² oligomerisation in the presence of Zn. Metallomics, 2019, 11, 1154-1161.	2.4	7
59	Palladium(II) Complexes of the Hemilabile Pincer Ligand PPh(oâ€C₆H₄SMe)₂ as Highly Active and Recyclable ÂMizorokiâ€“Heck Catalysts. European Journal of Organic Chemistry, 2016, 2016, 789-798.	2.4	6
60	Selective cytotoxicity of cyclometalated gold(III) complexes on Caco-2 cells is mediated by G2/M cell cycle arrest. Metallomics, 2021, 13, .	2.4	6
61	Pâ€“C bond cleavage in dppm derivatives: X-ray structure of [Pd2(Î¼2-P,C-PPh2CHPOPh2)(Î¼2-dppm)Cl(PPh2Me)]. Inorganic Chemistry Communication, 2012, 21, 151-154.	3.9	5
62	Evidence of human impact in Antarctic region by studying atmospheric aerosols. Chemosphere, 2022, 307, 135706.	8.2	3
63	High Recovery of Selenium from Kesteriteâ€Based Photovoltaic Cells. European Journal of Inorganic Chemistry, 2020, 2020, 2203-2209.	2.0	2
64	Inside Cover: Anticancer Therapeutics That Target Selenoenzymes: Synthesis, Characterization, inÃ¢Â€Â…vitro Cytotoxicity, and Thioredoxin Reductase Inhibition of a Series of Gold(I) Complexes Containing Hydrophilic Phosphine Ligands (ChemMedChem 1/2010). ChemMedChem, 2010, 5, 2-2.	3.2	0