

Mariano Laguna

List of Publications by Year in descending order

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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	Evidence of human impact in Antarctic region by studying atmospheric aerosols. <i>Chemosphere</i> , 2022, 307, 135706.	8.2	3
2	Selective cytotoxicity of cyclometalated gold(III) complexes on Caco-2 cells is mediated by G2/M cell cycle arrest. <i>Metallomics</i> , 2021, 13, .	2.4	6
3	Selective Anticancer and Antimicrobial Metallodrugs Based on Gold(III) Dithiocarbamate Complexes. <i>Biomedicines</i> , 2021, 9, 1775.	3.2	9
4	New selective thiolate gold(I) complexes inhibit the proliferation of different human cancer cells and induce apoptosis in primary cultures of mouse colon tumors. <i>Dalton Transactions</i> , 2020, 49, 1915-1927.	3.3	17
5	High Recovery of Selenium from Kesterite-Based Photovoltaic Cells. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2203-2209.	2.0	2
6	Anticancer Activity of Alkynylgold(I) with P(NMe ₂) ₃ Phosphane in Mouse Colon Tumors and Human Colon Carcinoma Caco-2 Cell Line. <i>Inorganic Chemistry</i> , 2019, 58, 15536-15551.	4.0	13
7	Multifunctional coordination compounds based on lanthanide ions and 5-bromonicotinic acid: magnetic, luminescence and anti-cancer properties. <i>CrystEngComm</i> , 2019, 21, 3881-3890.	2.6	7
8	Role of PTA in the prevention of Cu(amyloid- β) induced ROS formation and amyloid- β oligomerisation in the presence of Zn. <i>Metallomics</i> , 2019, 11, 1154-1161.	2.4	7
9	Novel Gold(I) Thiolate Derivatives Synergistic with 5-Fluorouracil as Potential Selective Anticancer Agents in Colon Cancer. <i>Inorganic Chemistry</i> , 2017, 56, 8562-8579.	4.0	32
10	Palladium(II) Complexes of the Hemilabile Pincer Ligand PPh(<i>o</i> -C ₆ H ₄ SMe) ₂ as Highly Active and Recyclable "Mizoroki" Heck Catalysts. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 789-798.	2.4	6
11	Synthesis of Gold(I) Derivatives Bearing Alkylated 1,3,5-Triaza-7-phosphaadamantane as Selective Anticancer Metallodrugs. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2791-2803.	2.0	23
12	In vitro and in vivo evaluation of organometallic gold(<i>o</i>) derivatives as anticancer agents. <i>Dalton Transactions</i> , 2016, 45, 2462-2475.	3.3	41
13	Rosa canina Extracts Have Antiproliferative and Antioxidant Effects on Caco-2 Human Colon Cancer. <i>PLoS ONE</i> , 2016, 11, e0159136.	2.5	69
14	In Vivo Anticancer Activity, Toxicology and Histopathological Studies of the Thiolate Gold(I) Complex [Au(Spyrimidine)(PTA-CH ₂ CH ₂ Ph)]Br. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015, 15, 773-782.	1.7	18
15	Gold(I) complexes with alkylated PTA (1,3,5-triaza-7-phosphaadamantane) phosphanes as anticancer metallodrugs. <i>European Journal of Medicinal Chemistry</i> , 2014, 79, 164-172.	5.5	37
16	"Laser chemistry"™ synthesis, physicochemical properties, and chemical processing of nanostructured carbon foams. <i>Nanoscale Research Letters</i> , 2013, 8, 233.	5.7	12
17	Lossy mode resonance optical fiber sensor to detect organic vapors. <i>Sensors and Actuators B: Chemical</i> , 2013, 187, 65-71.	7.8	57
18	Water-Soluble Phosphanes Derived from 1,3,5-Triaza-7-phosphaadamantane and Their Reactivity towards Gold(I) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2020-2030.	2.0	25

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19	Synthesis and application of gold-carbon hybrids as catalysts for the hydroamination of alkynes. <i>Applied Catalysis A: General</i> , 2013, 456, 88-95.	4.3	34
20	<i>trans</i> -Thionate Derivatives of Pt(II) and Pd(II) with Water-Soluble Phosphane PTA and DAPTA Ligands: Antiproliferative Activity against Human Ovarian Cancer Cell Lines. <i>Inorganic Chemistry</i> , 2013, 52, 6635-6647.	4.0	53
21	<i>S</i> -Propargylthiopyridine Phosphane Derivatives As Anticancer Agents: Characterization and Antitumor Activity. <i>Organometallics</i> , 2013, 32, 3710-3720.	2.3	53
22	Palladium and platinum pyrimidine-2-thionate complexes with diphosphines. <i>Polyhedron</i> , 2012, 43, 15-21.	2.2	8
23	P-C bond cleavage in dppm derivatives: X-ray structure of [Pd(η^2 -P,C-PPh ₂ CHPOPh ₂)(η^2 -dppm)Cl(PPh ₂ Me)]. <i>Inorganic Chemistry Communication</i> , 2012, 21, 151-154.	3.9	5
24	Volatile organic compounds optical fiber sensor based on lossy mode resonances. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 523-529.	7.8	31
25	Thiolato gold(I) complexes containing water-soluble phosphane ligands: a characterization of their chemical and biological properties. <i>Dalton Transactions</i> , 2011, 40, 10927.	3.3	53
26	Optimization of single mode fibre sensors to detect organic vapours. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 388-394.	7.8	13
27	Anticancer Therapeutics That Target Selenoenzymes: Synthesis, Characterization, <i>in vitro</i> Cytotoxicity, and Thioredoxin Reductase Inhibition of a Series of Gold(I) Complexes Containing Hydrophilic Phosphine Ligands. <i>ChemMedChem</i> , 2010, 5, 96-102.	3.2	115
28	Inside Cover: Anticancer Therapeutics That Target Selenoenzymes: Synthesis, Characterization, <i>in vitro</i> Cytotoxicity, and Thioredoxin Reductase Inhibition of a Series of Gold(I) Complexes Containing Hydrophilic Phosphine Ligands (ChemMedChem 1/2010). <i>ChemMedChem</i> , 2010, 5, 2-2.	3.2	0
29	Synthesis, characterization and solubility studies of four new highly water soluble 1,3,5-triaza-7-phosphaadamantane (PTA) salts and their gold(I) complexes. <i>Polyhedron</i> , 2010, 29, 1925-1932.	2.2	23
30	Tailored production of nanostructured metal/carbon foam by laser ablation of selected organometallic precursors. <i>Carbon</i> , 2010, 48, 1807-1814.	10.3	13
31	Antiproliferative Activity of Gold(I) Alkyne Complexes Containing Water-Soluble Phosphane Ligands. <i>Organometallics</i> , 2010, 29, 2596-2603.	2.3	100
32	Bis(1,2,3-thiadiazole)s as Precursors in the Synthesis of Bis(alkynethiolate)gold(I) Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 137-146.	2.0	12
33	Optical fiber sensing devices based on organic vapor indicators towards sensor array implementation. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 139-146.	7.8	40
34	S,C- and S,S-coupling via dithiolate transfer reactions from tin to nickel complexes. <i>Dalton Transactions</i> , 2009, , 6825.	3.3	13
35	Synthesis, Characterization, and <i>In Vitro</i> Cytotoxicity of Some Gold(I) and <i>Trans</i> Platinum(II) Thionate Complexes Containing Water-Soluble PTA and DAPTA Ligands. X-ray Crystal Structures of [Au(SC ₄ H ₃ N ₂)(PTA)], <i>trans</i> -[Pt(SC ₄ H ₃ N ₂)(PTA)], <i>trans</i> -[Pt(SC ₅ H ₄ N ₂)(DAPTA)], and <i>trans</i> -[Pt(SC ₅ H ₄ N ₂)(DAPTA)]. <i>Inorganic Chemistry</i> , 2008, 47, 5641-5648.	2.3	100
36	Homogenous Catalysis with Gold: Efficient Hydration of Phenylacetylene in Aqueous Media. <i>Organometallics</i> , 2007, 26, 952-957.	2.3	113

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37	Synthesis and properties of alkynethiolate gold(i) complexes. Dalton Transactions, 2007, , 5329.	3.3	14
38	(Tetrahydrothiophene)Gold(I) or Gold(III) Complexes. Inorganic Syntheses, 2007, , 85-91.	0.3	480
39	Gold(I) and Palladium(II) Thiolato Complexes Containing Water-Soluble Phosphane Ligands. European Journal of Inorganic Chemistry, 2007, 2007, 2926-2933.	2.0	62
40	Gold compounds as efficient co-catalysts in palladium-catalysed alkyne alkylation. Catalysis Today, 2007, 122, 403-406.	4.4	61
41	Application of gold complexes in the development of sensors for volatile organic compounds. Gold Bulletin, 2007, 40, 225-233.	2.7	20
42	Organometallic Gold(I) and Gold(III) Complexes Containing 1,3,5-Triaza-7-phosphaadamantane (TPA): Examples of Water-Soluble Organometallic Gold Compounds. Organometallics, 2006, 25, 644-648.	2.3	71
43	Synthesis and coordination chemistry of an alkyne functionalised bis(pyrazolyl)methane ligand. Dalton Transactions, 2006, , 5567.	3.3	13
44	Water-Soluble and Water-Stable Organometallic Gold(II) Complexes. Organometallics, 2006, 25, 3084-3087.	2.3	62
45	Pyridine-2-thionate as a versatile ligand in Pd(ii) and Pt(ii) chemistry: the presence of three different co-ordination modes in [Pd2(η^4 -S,N-C5H4SN)(η^4 - η^2 -S-C5H4SN)(η^4 -dppm)(S-C5H4SN)2]. Dalton Transactions, 2006, , 609-616.	3.3	32
46	Gold/carbon nanocomposite foam. Chemical Physics Letters, 2006, 420, 86-89.	2.6	24
47	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
48	A Silver(I) Coordination Polymer Containing Tridentate N- and P-Coordinating 1,3,5-Triaza-7-phosphaadamantane (PTA) Ligands. European Journal of Inorganic Chemistry, 2006, 2006, 3152-3154.	2.0	54
49	New preparation of gold-silver complexes and optical fibre environmental sensors based on vapo-chromic [Au2Ag2(C6F5)4(phen)2]n. Applied Organometallic Chemistry, 2005, 19, 1232-1238.	3.5	33
50	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
51	Ortho-Metalated Benzenethiolate Bridging Dinuclear Palladium(II) Complexes. X-ray Structures of [Sn2(η^4 -C6H4S)2(tBu)4] and [Pd2(η^4 -C6H4S)(η^4 -dppm)2Cl2]. Organometallics, 2002, 21, 121-126.	2.3	15
52	A new family of sulfur-rich ligands based on the dmit system: synthesis and metal complexation of 4,4'-covalently bridged bis(2-thioxo-1,3-dithiol-5-thiolato) units. Dalton Transactions RSC, 2002, , 2654-2659.	2.3	7
53	PPh(2-C6H4S)2 as a Pincer Ligand in Nickel(II) and Palladium(II) Complexes - X-ray Structure of [Ni{PPh(C6H4S)2}(PPh2Me)], [Pd2(η^4 -dppe){PPh(C6H4S)2}2] and [Ni{PPh(C6H4S)2}2]. European Journal of Inorganic Chemistry, 2002, 2002, 826-833.	2.0	18
54	Behavioral experimental studies of a novel vapo-chromic material towards development of optical fiber organic compounds sensor. Sensors and Actuators B: Chemical, 2001, 76, 25-31.	7.8	33

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55	Synthesis of dithiolate gold(III) complexes by dithiolate transfer reactions. X-ray structure of $[\text{Au}(\text{C}_6\text{F}_5)(\text{S}_2\text{C}_6\text{H}_4)(\text{PPh}_3)]$. Journal of Organometallic Chemistry, 1995, 492, 105-110.	1.8	41
56	Dalton communications. New co-ordination mode of 4,5-dimercapto-1,3-dithiole-2-thionate(2 ⁻) in polynuclear gold(I) complexes. Crystal structures of $[\text{Au}_3(\mu_3\text{-C}_3\text{S}_5)(\text{PPh}_3)_3] \text{ClO}_4$ and $[\text{Au}_4(\mu_3\text{-C}_3\text{S}_5)_2(\mu\text{-Ph}_2\text{PCH}_2\text{PPh}_2)_2]$. Journal of the Chemical Society Dalton Transactions, 1994, , 1325-1326.	1.1	27
57	Alternative synthesis of binuclear gold(II) ylide complexes: cationic gold(II) complexes. X-Ray crystal structures of $[\{\text{Au}(\text{CH}_2)_2\text{PPh}_2\}_2\text{Br}_2]$ and $[\{\text{Au}(\text{CH}_2)_2\text{PPh}_2\}_2(\text{PPh}_3)_2][\text{ClO}_4]_2$. Journal of the Chemical Society Dalton Transactions, 1991, , 1361-1365.	1.1	31
58	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
59	Synthesis of (diphenylphosphinothioyl)methyldiphenylphosphoniomethanide complexes of gold and silver. X-Ray structure of $[\text{Au}(\text{C}_6\text{F}_5)\{\text{SPh}_2\text{PCH}[\text{Au}(\text{C}_6\text{F}_5)]\text{PPh}_2\text{Me}\}]$. Journal of the Chemical Society Dalton Transactions, 1990, , 333-338.	1.1	18
60	Gold complexes with heterocyclic thiones as ligands. X-Ray structure determination of $[\text{Au}(\text{C}_5\text{H}_5\text{NS})_2]\text{ClO}_4$. Journal of the Chemical Society Dalton Transactions, 1990, , 3457-3463.	1.1	90
61	Bimetallic gold ⁺ silver pentachlorophenyl complexes. Inorganica Chimica Acta, 1985, 101, 151-153.	2.4	23
62	Synthesis and reactivity of bimetallic Au ⁺ Ag ⁺ polyfluorophenyl complexes; crystal and molecular structures of $[\{\text{AuAg}(\text{C}_6\text{F}_5)_2(\text{SC}_4\text{H}_8)\}_n]$ and $[\{\text{AuAg}(\text{C}_6\text{F}_5)_2(\text{C}_6\text{H}_6)\}_n]$. Journal of the Chemical Society Dalton Transactions, 1984, , 285-292.	1.1	82
63	Synthesis and reactivity of bimetallic Au ⁺ Ag ⁺ complexes. X-Ray structure of a chain polymer containing the moiety $\text{-(F}_5\text{C}_6)_2\text{Au}(\mu\text{-AgSC}_4\text{H}_8)_2\text{Au}(\text{C}_6\text{F}_5)_2\text{-}$. Journal of the Chemical Society Chemical Communications, 1981, , 1097-1098.	2.0	53
64	Binuclear manganese(III, IV) complexes. Transition Metal Chemistry, 1975, 1, 21-25.	1.4	12