Laura Rodriguez

List of Publications by Year
in descending order

88 papers	2,189 citations	172457 29 h-index	254184 43 g-index
90 all docs	90 docs citations	90 times ranked	2503 citing authors

#	Article	IF	Citations
1	Applications of gold(i) alkynyl systems: a growing field to explore. Chemical Society Reviews, 2011, 40, 5442.	38.1	222
2	Specific Supramolecular Interactions between Zn²⁺-Salophen Complexes and Biologically Relevant Anions. Inorganic Chemistry, 2009, 48, 6229-6235.	4.0	85
3	Phosphine-Gold(I) Compounds as Anticancer Agents: General Description and Mechanisms of Action. Anti-Cancer Agents in Medicinal Chemistry, 2011, 11, 921-928.	1.7	84
4	A luminescent hydrogel based on a new Au(<scp>i</scp>) complex. Chemical Communications, 2013, 49, 72-74.	4.1	73
5	Correlation between Photophysical Parameters and Goldâ€“Gold Distances in Gold(I) (4-Pyridyl)ethynyl Complexes. Inorganic Chemistry, 2012, 51, 7636-7641.	4.0	69
6	Study of the Effect of the Phosphane Bridging Chain Nature on the Structural and Photophysical Properties of a Series of Gold(I) Ethynylpyridine Complexes. European Journal of Inorganic Chemistry, 2008, 2008, 2899-2909.	2.0	64
7	Dy^{III}â€•and Yb^{III}â€Curcuminoid Compounds: Original Fluorescent Singleâ€Ion Magnet and Magnetic Nearâ€IR Luminescent Species. Chemistry - A European Journal, 2012, 18, 11545-11549.	3.3	64
8	Aggregation induced emission of gold(<scp>i</scp>) complexes in water or water mixtures. Dalton Transactions, 2017, 46, 11125-11139.	3.3	63
9	Luminescent alkynyl-gold(<scp>i</scp>) coumarin derivatives and their biological activity. Dalton Transactions, 2014, 43, 4426-4436.	3.3	60
10	Alkynyl gold(I) phosphane complexes: Evaluation of structureâ€“activity-relationships for the phosphane ligands, effects on key signaling proteins and preliminary in-vivo studies with a nanoformulated complex. Journal of Inorganic Biochemistry, 2016, 160, 140-148.	3.5	53
11	New Insights into the Factors That Govern the Square/Triangle Equilibria of Pd(II) and Pt(II) Supramolecules. Unexpected Participation of a Mononuclear Species in the Equilibrium. Inorganic Chemistry, 2010, 49, 9438-9449.	4.0	50
12	Substituent Effects on the Biological Properties of Zn-Salophen Complexes. Inorganic Chemistry, 2013, 52, 9245-9253.	4.0	50
13	Supramolecular Gold Metallogelators: The Key Role of Metallophilic Interactions. Inorganics, 2015, 3, 1-18.	2.7	50
14	Luminescent phosphine gold(I) alkynyl complexes. Highlights from 2010 to 2018. Coordination Chemistry Reviews, 2020, 408, 213179.	18.8	45
15	Anion Detection by Fluorescent Zn(II) Complexes of Functionalized Polyamine Ligands. Inorganic Chemistry, 2008, 47, 6173-6183.	4.0	43
16	Phosphine-bridged dinuclear gold(I) alkynyl complexes: Thioredoxin reductase inhibition and cytotoxicity. Inorganica Chimica Acta, 2013, 398, 72-76.	2.4	43
17	A coumarin based gold(<scp>i</scp>)-alkynyl complex: a new class of supramolecular hydrogelators. Organic and Biomolecular Chemistry, 2015, 13, 2026-2033.	2.8	42
18	Copper(<scp>ii</scp>) complexes of macrocyclic and open-chain pseudopeptidic ligands: synthesis, characterization and interaction with dicarboxylates. Dalton Transactions, 2015, 44, 12700-12710.	3.3	38

#	Article	IF	Citations
19	Unexpected Alkyne Transfer between Gold and Rhenium Atoms and Its Application to the Synthesis of Alkynyl Rhenium(I) Compounds. Organometallics, 2004, 23, 5096-5099.	2.3	37
20	From Au(i) organometallic hydrogels to well-defined Au(0) nanoparticles. Journal of Materials Chemistry C, 2013, 1, 5538.	5.5	37
21	Effect of the organic fragment on the mesogenic properties of a series of organogold(I) isocyanide complexes. X-ray crystal structure of [Au(CCC5H4N)(CNC6H4O(O)CC6H4OC10H21)]. Journal of Organometallic Chemistry, 2005, 690, 2200-2208.	1.8	36
22	Solvent effects on the absorption and emission of [Re(R2bpy)(CO)3X] complexes and their sensitivity to CO2 in solution. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 204, 174-182.	3.9	32
23	Cyclopalladated benzophenone imines: Synthesis, cytotoxicity against human breast adenocarcinoma cell lines and DNA interaction. Journal of Organometallic Chemistry, 2013, 724, 289-296.	1.8	32
24	Luminescent zinc salophen derivatives: cytotoxicity assessment and action mechanism studies. New Journal of Chemistry, 2013, 37, 1046.	2.8	31
25	The Important Role of the Nuclearity, Rigidity, and Solubility of Phosphane Ligands in the Biological Activity of Gold(I) Complexes. Chemistry - A European Journal, 2018, 24, 14654-14667.	3.3	31
26	Self-Assembly of Heterometallic Metallomacrocycles via Ditopic Fluoroaryl Gold(I) Organometallic Metalloligands. Organometallics, 2012, 31, 1533-1545.	2.3	30
27	Crystal Structure, Fluorescence, and Nanostructuration Studies of the First Zn^{II} Anthracene-Based Curcuminoid. Inorganic Chemistry, 2012, 51, 864-873.	4.0	29
28	Synthesis and Biological Activity of Gold(I) Nâ€Heterocyclic Carbene Complexes with Long Aliphatic Side Chains. European Journal of Inorganic Chemistry, 2014, 2014, 6117-6125.	2.0	29
29	Tuning supramolecular aurophilic structures: the effect of counterion, positive charge and solvent. Dalton Transactions, 2016, 45, 7328-7339.	3.3	29
30	Reversible Self-Assembly of Water-Soluble Gold(I) Complexes. Inorganic Chemistry, 2018, 57, 1017-1028.	4.0	29
31	Neutral Gold(I) Metallosupramolecular Compounds: Synthesis and Characterization, Photophysical Properties, and Density Functional Theory Studies. Inorganic Chemistry, 2008, 47, 4952-4962.	4.0	27
32	Synthesis, characterization and spectroscopic studies of two new schiff-base bithienyl pendant-armed 15-crown-5 molecular probes. Inorganic Chemistry Communication, 2009, 12, 79-85.	3.9	27
33	Study of the effect of the chromophore and nuclearity on the aggregation and potential biological activity of gold(I) alkynyl complexes. Inorganica Chimica Acta, 2016, 446, 189-197.	2.4	27
34	A new tripodal poly-imine indole-containing ligand: Synthesis, complexation, spectroscopic and theoretical studies. Inorganica Chimica Acta, 2009, 362, 2627-2635.	2.4	25
35	Supramolecular interactions of hexacyanocobaltate(III) with polyamine receptors containing a terminal anthracene sensor. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 159, 253-258.	3.9	24
36	Thermodynamic Aspects of Aurophilic Hydrogelators. Inorganic Chemistry, 2015, 54, 5195-5203.	4.0	23

#	Article	IF	Citations
37	Room-Temperature Phosphorescence and Efficient Singlet Oxygen Production by Cyclometalated Pt(II) Complexes with Aromatic Alkynyl Ligands. Inorganic Chemistry, 2020, 59, 8220-8230.	4.0	22
38	Colorimetric and fluorescence â€œturn-onâ€•recognition of fluoride by a maleonitrile-based uranyl salen-complex. Dyes and Pigments, 2016, 135, 94-101.	3.7	20
39	Gold(I)â€Complexâ€“Titania Hybrid Photocatalyst for Hydrogen Production. ChemCatChem, 2017, 9, 3289-3292.	3.7	20
40	Electrophilic Additions of Metal Fragments Containing 11- and 12-Group Elements to the Anion Carbide Cluster [Fe5MoC(CO)17]2-. X-ray Crystal Structures of (NEt4)[Fe5MoAuC(CO)17(PMe3)] and [Fe5MoAu2C(CO)17(dppm)]. Organometallics, 2001, 20, 1575-1579.	2.3	19
41	Antisymbiotic Selfâ€Assembly and Dynamic Behavior of Metallamacrocycles with Allylic Corners. Chemistry - A European Journal, 2010, 16, 13960-13964.	3.3	19
42	Deactivation Routes in Gold(I) Polypyridyl Complexes: Internal Conversion Vs Fast Intersystem Crossing. Inorganic Chemistry, 2018, 57, 13423-13430.	4.0	17
43	3D Auâ€“Ag heterometallic supramolecular cage: Triplet capture by heavy atom effect. Inorganica Chimica Acta, 2012, 381, 195-202.	2.4	16
44	Kineticoâ€Mechanistic Insights on the Assembling Dynamics of Allylâ€Cornered Metallacycles: The Ptï£¿N_{py} Bond is the Keystone. Chemistry - A European Journal, 2014, 20, 14473-14487.	3.3	16
45	Highlights on Gold TADF Complexes. Inorganics, 2019, 7, 124.	2.7	16
46	Metallodendrimers containing both ruthenium (internal layer) and rhenium (external layer). New Journal of Chemistry, 2006, 30, 1004-1008.	2.8	14
47	Au(<scp>i</scp>) N-heterocyclic carbenes from bis-imidazolium amphiphiles: synthesis, cytotoxicity and incorporation onto gold nanoparticles. RSC Advances, 2016, 6, 2202-2209.	3.6	14
48	Polypyridyl-functionalizated alkynyl gold(<scp>i</scp>) metallaligands supported by tri- and tetradentate phosphanes. Dalton Transactions, 2017, 46, 13920-13934.	3.3	14
49	Effect of Gold(I) on the Roomâ€Temperature Phosphorescence of Ethynylphenanthrene. Chemistry - A European Journal, 2021, 27, 1810-1820.	3.3	14
50	Effect of solvent polarity on the spectroscopic properties of an alkynyl gold(i) gelator. The particular case of water. Photochemical and Photobiological Sciences, 2016, 15, 635-643.	2.9	13
51	Gold(<scp>i</scp>)-doped films: new routes for efficient room temperature phosphorescent materials. Dalton Transactions, 2021, 50, 3806-3815.	3.3	13
52	Anion selectivity of Znâ€“salophen receptors: Influence of ligand substituents. Inorganica Chimica Acta, 2015, 434, 1-6.	2.4	12
53	Polarized Supramolecular Aggregates Based on Luminescent Perhalogenated Gold Derivatives. Inorganic Chemistry, 2017, 56, 11946-11955.	4.0	12
54	Supramolecular tripodal Au(<scp>i</scp>) assemblies in water. Interactions with a pyrene fluorescent probe. New Journal of Chemistry, 2019, 43, 8279-8289.	2.8	12

#	Article	IF	Citations
55	Multiply biphenyl substituted zinc(II) porphyrin and phthalocyanine as components for molecular materials. Journal of Porphyrins and Phthalocyanines, 2012, 16, 1293-1302.	0.8	11
56	Solvatochromic studies of a novel Cd2+â€“anthracene-based curcuminoid and related complexes. Inorganica Chimica Acta, 2012, 380, 187-193.	2.4	11
57	Aggregation induced emission of a new naphthyridine-ethynylâ€“gold(<scp>i</scp>) complex as a potential tool for sensing guanosine nucleotides in aqueous media. Dalton Transactions, 2020, 49, 171-178.	3.3	9
58	How to achieve near unity fluorescence quantum yields on gold(I) benzothiadiazole-based derivatives. Dyes and Pigments, 2022, 202, 110308.	3.7	9
59	Luminescence studies of new [C,N,Nâ€²] cyclometallated platinum(ii) and platinum(iv) compounds. New Journal of Chemistry, 2019, 43, 1247-1256.	2.8	8
60	Luminescent Pt II and Pt IV Platinacycles with Anticancer Activity Against Multiplatinumâ€Resistant Metastatic CRC and CRPC Cell Models. Chemistry - A European Journal, 2020, 26, 1947-1952.	3.3	8
61	Aggregation-Induced Emission with Alkynylcoumarin Dinuclear Gold(I) Complexes: Photophysical, Dynamic Light Scattering, and Time-Dependent Density Functional Theory Studies. Inorganic Chemistry, 2022, 61, 6964-6976.	4.0	8
62	Exploiting Metallophilicity for the Assembly of Inorganic Nanocrystals and Conjugated Organic Molecules. ChemPhysChem, 2016, 17, 2190-2196.	2.1	7
63	Influence of the Attachment of a Gold(I) Phosphine Moiety at the Upper Rim of a Calix[4]pyrrole on the Binding of Tetraalkylammonium Chloride Salts. Chemistry - A European Journal, 2020, 26, 3348-3357.	3.3	7
64	Using Room Temperature Phosphorescence of Gold(I) Complexes for PAHs Sensing. Molecules, 2021, 26, 2444.	3.8	7
65	Aggregation versus Biological Activity in Gold(I) Complexes. An Unexplored Concept. Inorganic Chemistry, 2021, 60, 18753-18763.	4.0	7
66	New rhodium(I) supramolecular structures containing pyridyl and bipyridyl ligands. Journal of Organometallic Chemistry, 2009, 694, 3951-3957.	1.8	6
67	Computational Analysis of the Nature and Strength of the Supramolecular Contacts Involved in the Binding of Chloride Anions by Imidazolium-Based Cyclic Receptors. Journal of Physical Chemistry A, 2012, 116, 9110-9115.	2.5	6
68	Hemilabile and luminescent palladium(II) azo-2-phenylindole complexes. Journal of Organometallic Chemistry, 2013, 726, 21-31.	1.8	6
69	Molecular recognition of aliphatic amines by luminescent Zn-porphyrins. Inorganica Chimica Acta, 2014, 417, 222-229.	2.4	6
70	Ternary assemblies comprising metalâ€“salophen complexes and 4,4â€²-bipyridine. New Journal of Chemistry, 2016, 40, 5714-5721.	2.8	6
71	Supramolecular assemblies and photophysical properties of ionic homo- and heteronuclear metallophilic complexes. Journal of Organometallic Chemistry, 2019, 897, 170-177.	1.8	6
72	Comprehensive Investigation of the Photophysical Properties of Alkynylcoumarin Gold(I) Complexes. Journal of Physical Chemistry B, 2021, 125, 11751-11760.	2.6	6

#	Article	IF	Citations
73	Highly emissive supramolecular gold(<scp>i</scp>)â€“BTD materials. Dalton Transactions, 2022, 51, 8340-8349.	3.3	6
74	Tripodal gold(<scp>i</scp>) polypyridyl complexes and their Cu⁺and Zn²⁺heterometallic derivatives. Effects on luminescence. Dalton Transactions, 2020, 49, 14613-14625.	3.3	5
75	Aggregation of gold(<scp>i</scp>) complexes: phosphorescence vs. singlet oxygen production. Dalton Transactions, 2022, 51, 8795-8803.	3.3	5
76	Preparation and Antitumoral Activity of Au-Based Inorganic-Organometallic Nanocomposites. Frontiers in Chemistry, 2019, 7, 60.	3.6	4
77	Effect of Water/Carboxymethylcellulose Gel on the Excimer Formation of Polyamine Ligands Functionalized with Naphthalene. Journal of Physical Chemistry B, 2009, 113, 15455-15459.	2.6	3
78	Photophysical Study of Naphthalenophanes: Evidence of Adduct Formation with Molecular Oxygen. Journal of Physical Chemistry A, 2011, 115, 123-127.	2.5	3
79	Novel uranyl(VI) complexes incorporating ethynyl groups as potential halide chemosensors: an experimental and computational approach. Supramolecular Chemistry, 2017, 29, 922-927.	1.2	3
80	Luminescent Tetranuclear Gold(I) Dibenzo[g,p]chrysene Derivatives: Effect of the Environment on Photophysical Properties. Molecules, 2020, 25, 949.	3.8	3
81	Modulation of supramolecular gold(I) aggregates by anionâ€™s interaction. Supramolecular Chemistry, 2018, 30, 278-285.	1.2	3
82	Luminescent Supramolecular Heterometallic Macrocycles and their Encapsulation on Cholate Gels. European Journal of Inorganic Chemistry, 2018, 2018, 4550-4555.	2.0	2
83	The Important Role of the Nuclearity, Rigidity, and Solubility of Phosphane Ligands in the Biological Activity of Gold(I) Complexes. Chemistry - A European Journal, 2018, 24, 14571-14571.	3.3	1
84	Base-assisted synthesis of 4-pyridinate gold(i) metallaligands: a study of their use in self-assembly reactions. Dalton Transactions, 2021, 50, 8154-8166.	3.3	1
85	Alternative pH-Shift Ion-Exchange Chromatography: Quantitative Spectroscopic Monitoring of the Progress of a Reaction. Journal of Chemical Education, 2008, 85, 426.	2.3	0
86	Rhodium(I) macrocyclic and cage-like structures containing diphosphine bridging ligands. Transition Metal Chemistry, 2017, 42, 57-67.	1.4	0
87	The surveys to the companies: A tool for the improvement of degrees. Journal of Technology and Science Education, 2017, 7, 80.	1.2	0
88	Facile morphology control of gold(0) structures from aurophilic assemblies. Dalton Transactions, 2020, 49, 4200-4205.	3.3	0