

# MarÃ-a AsunciÃ³n MuÃ±oz

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Diastereospecific and Diastereoselective Syntheses of Ruthenium(II) Complexes Using N,N'-Bidentate Ligands Aryl-pyridin-2-ylmethyl-amine ArNH-CH <sub>2</sub> -2-C <sub>5</sub> H <sub>4</sub> N and Their Oxidation to Imine Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 2483-2493.	4.0	57
2	Solid Polymer Substrates and Coated Fibers Containing 2,4,6-Trinitrobenzene Motifs as Smart Labels for the Visual Detection of Biogenic Amine Vapors. <i>Chemistry - A European Journal</i> , 2015, 21, 8733-8736.	3.3	52
3	Colorimetric detection and determination of Fe(III), Co(II), Cu(II) and Sn(II) in aqueous media by acrylic polymers with pendant terpyridine motifs. <i>Sensors and Actuators B: Chemical</i> , 2016, 226, 118-126.	7.8	52
4	Solid sensory polymer substrates for the quantification of iron in blood, wine and water by a scalable RGB technique. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15435.	10.3	50
5	<sup>1</sup> H NMR Direct Observation of Enantiomeric Exchange in Palladium(II) and Platinum(II) Complexes Containing N,N'-Bidentate Aryl-pyridin-2-ylmethyl-amine Ligands. <i>Inorganic Chemistry</i> , 2007, 46, 568-577.	4.0	44
6	An organopalladium chromogenic chemodosimeter for the selective naked-eye detection of Hg <sup>2+</sup> and MeHg <sup>+</sup> in water-ethanol 1 : 1 mixture. <i>Chemical Communications</i> , 2008, , 4576.	4.1	44
7	Forced Solid-State Interactions for the Selective Turn-On Fluorescence Sensing of Aluminum Ions in Water Using a Sensory Polymer Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 921-928.	8.0	36
8	Cyclopallated Complexes of 2-Acetylpyridine Phenylhydrazone: A Tridentate C,N,N' Donor Ligand. <i>Organometallics</i> , 1994, 13, 1775-1780.	2.3	30
9	Intrinsically colored wholly aromatic polyamides (aramids). <i>Dyes and Pigments</i> , 2015, 122, 177-183.	3.7	30
10	Functional aromatic polyamides for the preparation of coated fibres as smart labels for the visual detection of biogenic amine vapours and fish spoilage. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127249.	7.8	30
11	Diastereospecific Dimerization in Bridging Amido Complexes of Dipalladium. <i>Organometallics</i> , 1997, 16, 2220-2222.	2.3	28
12	NMR Studies of Phenylbenzohydroxamic Acid and Kinetics of Complex Formation with Nickel(II). <i>Inorganic Chemistry</i> , 2003, 42, 5434-5441.	4.0	27
13	Structural NMR and ab Initio Study of Salicylhydroxamic and <i>p</i> -Hydroxybenzohydroxamic Acids: Evidence for an Extended Aggregation. <i>Journal of Organic Chemistry</i> , 2007, 72, 7832-7840.	3.2	24
14	A selective and highly sensitive fluorescent probe of Hg <sup>2+</sup> in organic and aqueous media: The role of a polymer network in extending the sensing phenomena to water environments. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 686-690.	7.8	23
15	Polymer films containing chemically anchored diazonium salts with long-term stability as colorimetric sensors. <i>Journal of Hazardous Materials</i> , 2019, 365, 725-732.	12.4	22
16	Acrylic Polymers with Pendant Phenylboronic Acid Moieties as Turn-Off and Turn-On Fluorescence Solid Sensors for Detection of Dopamine, Glucose, and Fructose in Water. <i>ACS Macro Letters</i> , 2015, 4, 979-983.	4.8	20
17	Synthesis, Structure, and Electrochemistry of Mononuclear and Face-to-Face Binuclear Orthometalated Complexes of Palladium(II) with N-Monodentate or N(1),N(3)-Bridging 1,3-Di- <i>p</i> -tolyltriazenido Ligands. Dependence on Geometrical Arrangement of the Electronic Communication between Two Equivalent Redox Sites. <i>Organometallics</i> , 2001, 20, 3223-3229.	2.3	19
18	Isomeric Preference in Complexes of Palladium(II) with Chelating P,N-Donor Ligands. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2254-2260.	2.0	17

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19	Selective and sensitive detection of aluminium ions in water via fluorescence "turn-on" with both solid and water soluble sensory polymer substrates. <i>Journal of Hazardous Materials</i> , 2014, 276, 52-57.	12.4	17
20	Colorimetric detection, quantification and extraction of Fe(III) in water by acrylic polymers with pendant Kojic acid motifs. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 120-126.	7.8	17
21	Palladium-containing polymers as hybrid sensory materials (water-soluble polymers, films and smart) <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2750-2755.	7.8	15
22	Solid sensory polymer kit for the easy and rapid determination of the concentration of water in organic solvents and ambient humidity. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 233-238.	7.8	14
23	Polymer chemosensors as solid films and coated fibres for extreme acidity colorimetric sensing. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2833-2843.	10.3	14
24	Nucleophilic Attack on Coordinated Imines: The Synthesis of C-Bonded Acetylacetonates of Palladium(II) and Mechanistic Insights. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2259-2266.	2.0	13
25	Solid polymer and metallogel networks based on a fluorene derivative as fluorescent and colourimetric chemosensors for Hg(II). <i>Reactive and Functional Polymers</i> , 2014, 79, 14-23.	4.1	13
26	Aromatic polyamides and acrylic polymers as solid sensory materials and smart coated fibres for high acidity colorimetric sensing. <i>Polymer Chemistry</i> , 2015, 6, 3110-3120.	3.9	13
27	The first structurally characterized acetanilidocomplex of palladium (II) and the maximum hardness principle. A sample of trans choice in square-planar complexes. <i>Inorganic Chemistry Communication</i> , 2002, 5, 340-343.	3.9	12
28	Selective detection and discrimination of nitro explosive vapors using an array of three luminescent sensory solid organic and hybrid polymer membranes. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 18-27.	7.8	11
29	Methacrylate copolymers with pendant piperazinedione-sensing motifs as fluorescent chemosensory materials for the detection of Cr(VI) in aqueous media. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 480-483.	12.4	10
30	Dalton communications. Synthesis, structural characterisation and electrochemistry of the tetranuclear compound $[Pd_2(\mu-RNNNR)_2(\mu-Cl)_4]$ (R = C <sub>6</sub> H <sub>4</sub> Me-p): a precursor to triazenido-bridged palladium(II) complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 4127-4128.	1.1	9
31	Polymeric chemosensor for the colorimetric determination of the total polyphenol index (TPI) in wines. <i>Food Control</i> , 2019, 106, 106684.	5.5	8
32	Heteroaromatic Polyamides with Improved Thermal and Mechanical Properties. <i>Polymers</i> , 2020, 12, 1793.	4.5	8
33	Photophysical and electrochemical characterization of PdII cyclometallated complexes with 2-acetylpyridine-phenylhydrazone. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 83, 165-171.	3.9	7
34	Methylation of a Tridentate Schiff Base Ligand NNO-Coordinated to Palladium with Nitromethane. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4637-4644.	2.0	4
35	Acid-base behavior of some orthopalladated complexes. <i>Reactive and Functional Polymers</i> , 1998, 36, 227-233.	4.1	3
36	Segmented-Block Poly(ether amide)s Containing Flexible Polydisperse Polyethyleneoxide Sequences and Rigid Aromatic Amide Moieties. <i>Materials</i> , 2021, 14, 2804.	2.9	1

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37	A Phosphino-substituted Isoindole Obtained by Cyclization of a Thiourea Derivative. <i>Heterocycles</i> , 2005, 65, 643.	0.7	0