

# PALOMA MARTINEZ-RUIZ

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6840177/paloma-martinez-ruiz-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36 papers	760 citations	17 h-index	27 g-index
36 ext. papers	808 ext. citations	5 avg, IF	3.41 L-index

#	Paper	IF	Citations
36	Toward the design of smart delivery systems controlled by integrated enzyme-based biocomputing ensembles. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9116-23	16.4	92
35	Molecularly imprinted polymers for on-line preconcentration by solid phase extraction of pirimicarb in water samples. <i>Analytica Chimica Acta</i> , <b>2002</b> , 451, 297-304	6.6	83
34	Solid-phase molecularly imprinted on-line preconcentration and voltammetric determination of sulfamethazine in milk. <i>Analytica Chimica Acta</i> , <b>2005</b> , 539, 125-132	6.6	55
33	Supramolecular immobilization of xanthine oxidase on electropolymerized matrix of functionalized hybrid gold nanoparticles/single-walled carbon nanotubes for the preparation of electrochemical biosensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4312-9	9.5	51
32	A Computational and Experimental Study on the Relative Stabilities of Cis and Trans Isomers of N-Alkylamides in Gas Phase and in Solution. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 4942-4950	2.8	51
31	Molecularly imprinted polymers for on-line clean up and preconcentration of chloramphenicol prior to its voltammetric determination. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 376, 18-25	4.4	40
30	Crumpled reduced graphene oxide-polyamidoamine dendrimer hybrid nanoparticles for the preparation of an electrochemical biosensor. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2289-2296	7.3	35
29	Janus Au-mesoporous silica nanoparticles as electrochemical biorecognition-signaling system. <i>Electrochemistry Communications</i> , <b>2013</b> , 30, 51-54	5.1	33
28	Decorating graphene oxide/nanogold with dextran-based polymer brushes for the construction of ultrasensitive electrochemical enzyme biosensors. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 3518-3524	7.3	33
27	Influence of the cyano-group on the optical properties of oligomeric PPV-derivatives. <i>Thin Solid Films</i> , <b>2002</b> , 417, 26-31	2.2	31
26	Molecularly imprinted polymer solid-phase extraction coupled to square wave voltammetry at carbon fibre microelectrodes for the determination of fenbendazole in beef liver. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 227-34	4.4	26
25	The role of conformational flexibility on the catalytic activity of norbornane-derived $\beta$ and $\delta$ amino alcohols. <i>Tetrahedron: Asymmetry</i> , <b>2007</b> , 18, 742-749		26
24	Nanochannel-based electrochemical assay for transglutaminase activity. <i>Chemical Communications</i> , <b>2014</b> , 50, 13356-8	5.8	25
23	Neoglycoenzyme-Gated Mesoporous Silica Nanoparticles: Toward the Design of Nanodevices for Pulsatile Programmed Sequential Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 7657-65	9.5	22
22	Water-Soluble Reduced Graphene Oxide/Carboxymethylcellulose Hybrid Nanomaterial for Electrochemical Biosensor Design. <i>ChemPlusChem</i> , <b>2014</b> , 79, 1334-1341	2.8	21
21	Single-Walled Carbon Nanotubes/Au/Mesoporous Silica Janus Nanoparticles as Building Blocks for the Preparation of a Bienzyme Biosensor. <i>ChemElectroChem</i> , <b>2015</b> , 2, 1735-1741	4.3	20
20	Supramolecular immobilization of glucose oxidase on gold coated with cyclodextrin-modified cysteamine core PAMAM G-4 dendron/Pt nanoparticles for mediatorless biosensor design. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 3773-81	4.4	19

19	A facile synthesis of new homochiral amino alcohols with norbornane framework. <i>Tetrahedron: Asymmetry</i> , <b>1996</b> , 7, 1257-1260		15
18	Integrated amperometric affinity biosensors using Co <sup>2+</sup> -tetradentate nitrilotriacetic acid modified disposable carbon electrodes: application to the determination of lactam antibiotics. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 3246-54	7.8	14
17	Density functional theory study of self-association of N-methylformamide and its effect on intramolecular and intermolecular geometrical parameters and the cis/trans population. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 234305	3.9	12
16	Seed-mediated growth of jack-shaped gold nanoparticles from cyclodextrin-coated gold nanospheres. <i>Dalton Transactions</i> , <b>2013</b> , 42, 14309-14	4.3	10
15	Unexpected reactivity of 1-amine-2-methylenenorbornane hydrochlorides with m-CPBA. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 5981-5983	2	8
14	An enzyme-controlled Janus nanomachine for on-command dual and sequential release. <i>Chemical Communications</i> , <b>2020</b> , 56, 6440-6443	5.8	6
13	Enantioselective synthesis of both enantiomers of vicinal norbornanediamines through the Leuckart reaction of 2-norbornanones. <i>Tetrahedron: Asymmetry</i> , <b>2001</b> , 12, 2153-2158		6
12	Electron ionization mass spectral studies of bridgehead-substituted norbornan-2-ones: camphor derivatives. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 395-409	2.2	4
11	Electron ionization mass spectral studies of bridgehead 7,7-dimethylnorbornane-based amino alcohols. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 1005-1010	2.2	4
10	Electron ionisation mass spectral studies of bridgehead-fused Delta2-norbornanethiazolines. <i>Rapid Communications in Mass Spectrometry</i> , <b>2009</b> , 23, 856-62	2.2	3
9	About the Leuckart reaction of chiral 2-norbornanones bearing electron-withdrawing groups: reaction of bridgehead triflates and triflamides. <i>Tetrahedron</i> , <b>2003</b> , 59, 1565-1569	2.4	3
8	The distorted hexagonal close packing mode. Two isomeric chiral complexes of Pd(II): (I) bis((1R)-(E)-N-3,3-dimethyl-2-hydroxyimine-1-norbornyl)-trifluoromethane-sulfonamide-N,N?)Palladium(II) PdL12 and (II) bis((1S)-(E)-N-3,3-dimethyl-2-hydroxyimine-1-norbornyl)-trifluoromethane-sulfonamide-N,N?)Palladium(II) PdL22.	3.4	3
7	Tuning of Photo- and Electroluminescence of New Soluble, PPV-Analogous Short-Chain Compounds with Naphthalene Moieties <b>2000</b> , 6, 1294		3
6	Gold surface patterned with cyclodextrin-based molecular nanopores for electrochemical assay of transglutaminase activity. <i>Electrochemistry Communications</i> , <b>2014</b> , 40, 13-16	5.1	2
5	Biotin-Labeled Electropolymerized Network of Gold Nanoparticles for Amperometric Immunodetection of Human Fibrinogen. <i>ChemElectroChem</i> , <b>2014</b> , 1, 200-206	4.3	1
4	The role of the C(2) configuration and methyl substitution on the catalytic activity of novel 2,3,3- and 2,7,7-trimethyl-substituted gamma-aminonorbornan-2-ols. <i>Chirality</i> , <b>2010</b> , 22, 778-87	2.1	1
3	Stereocontrolled synthesis of conformationally restricted enantiopure triols and dihydroxy acids based on the norbornane framework. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 2329-2332		1
2	A glutathione disulfide-sensitive Janus nanomachine controlled by an enzymatic AND logic gate for smart delivery. <i>Nanoscale</i> , <b>2021</b> , 13, 18616-18625	7.7	1

- 1 Electron ionization-induced fragmentation of bridgehead-substituted norbornan-2-ones derived from fenchone. *International Journal of Mass Spectrometry*, **2013**, 334, 49-57 1.9