

PALOMA MARTINEZ-RUIZ

List of Publications by Year in Descending Order

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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	A glutathione disulfide-sensitive Janus nanomachine controlled by an enzymatic AND logic gate for smart delivery. <i>Nanoscale</i> , 2021 , 13, 18616-18625	7.7	1
35	An enzyme-controlled Janus nanomachine for on-command dual and sequential release. <i>Chemical Communications</i> , 2020 , 56, 6440-6443	5.8	6
34	Neoglycoenzyme-Gated Mesoporous Silica Nanoparticles: Toward the Design of Nanodevices for Pulsatile Programmed Sequential Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7657-65	9.5	22
33	Single-Walled Carbon Nanotubes/Au-Mesoporous Silica Janus Nanoparticles as Building Blocks for the Preparation of a Bienzyme Biosensor. <i>ChemElectroChem</i> , 2015 , 2, 1735-1741	4.3	20
32	Decorating graphene oxide/nanogold with dextran-based polymer brushes for the construction of ultrasensitive electrochemical enzyme biosensors. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3518-3524	7.3	33
31	Nanochannel-based electrochemical assay for transglutaminase activity. <i>Chemical Communications</i> , 2014 , 50, 13356-8	5.8	25
30	Water-Soluble Reduced Graphene Oxide/Carboxymethylcellulose Hybrid Nanomaterial for Electrochemical Biosensor Design. <i>ChemPlusChem</i> , 2014 , 79, 1334-1341	2.8	21
29	Biotin-Labeled Electropolymerized Network of Gold Nanoparticles for Amperometric Immunodetection of Human Fibrinogen. <i>ChemElectroChem</i> , 2014 , 1, 200-206	4.3	1
28	Gold surface patterned with cyclodextrin-based molecular nanopores for electrochemical assay of transglutaminase activity. <i>Electrochemistry Communications</i> , 2014 , 40, 13-16	5.1	2
27	Toward the design of smart delivery systems controlled by integrated enzyme-based biocomputing ensembles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9116-23	16.4	92
26	Seed-mediated growth of jack-shaped gold nanoparticles from cyclodextrin-coated gold nanospheres. <i>Dalton Transactions</i> , 2013 , 42, 14309-14	4.3	10
25	Electron ionization-induced fragmentation of bridgehead-substituted norbornan-2-ones derived from fenchone. <i>International Journal of Mass Spectrometry</i> , 2013 , 334, 49-57	1.9	
24	Integrated amperometric affinity biosensors using Co ²⁺ -tetradentate nitrilotriacetic acid modified disposable carbon electrodes: application to the determination of β -lactam antibiotics. <i>Analytical Chemistry</i> , 2013 , 85, 3246-54	7.8	14
23	Janus Au-mesoporous silica nanoparticles as electrochemical biorecognition-signaling system. <i>Electrochemistry Communications</i> , 2013 , 30, 51-54	5.1	33
22	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> , 2013 , 405, 3773-81	4.4	19
21	Crumpled reduced graphene oxide-polyamidoamine dendrimer hybrid nanoparticles for the preparation of an electrochemical biosensor. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2289-2296	7.3	35
20	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 & Interfaces</i> , 2012 , 4, 4312-9	9.5	51

19	Electron ionization mass spectral studies of bridgehead-substituted norbornan-2-ones: camphor derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 395-409	2.2	4
18	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> , 2010 , 22, 778-87	2.1	1
17	Electron ionisation mass spectral studies of bridgehead-fused Delta2-norbornanethiazolines. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 856-62	2.2	3
16	Unexpected reactivity of 1-amine-2-methylenenorbornane hydrochlorides with m-CPBA. <i>Tetrahedron Letters</i> , 2007 , 48, 5981-5983	2	8
15	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> , 2007 , 388, 227-34	4.4	26
14	The role of conformational flexibility on the catalytic activity of norbornane-derived β and β -amino alcohols. <i>Tetrahedron: Asymmetry</i> , 2007 , 18, 742-749		26
13	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> , 2006 , 124, 234305	3.9	12
12	Solid-phase molecularly imprinted on-line preconcentration and voltammetric determination of sulfamethazine in milk. <i>Analytica Chimica Acta</i> , 2005 , 539, 125-132	6.6	55
11	Stereocontrolled synthesis of conformationally restricted enantiopure triols and dihydroxy acids based on the norbornane framework. <i>Tetrahedron: Asymmetry</i> , 2005 , 16, 2329-2332		1
10	Electron ionization mass spectral studies of bridgehead 7,7-dimethylnorbornane-based β -amino alcohols. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 1005-1010	2.2	4
9	Molecularly imprinted polymers for on-line clean up and preconcentration of chloramphenicol prior to its voltammetric determination. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 376, 18-25	4.4	40
8	About the Leuckart reaction of chiral 2-norbornanones bearing electron-withdrawing groups: reaction of bridgehead triflates and triflamides. <i>Tetrahedron</i> , 2003 , 59, 1565-1569	2.4	3
7	Influence of the cyano-group on the optical properties of oligomeric PPV-derivatives. <i>Thin Solid Films</i> , 2002 , 417, 26-31	2.2	31
6	Molecularly imprinted polymers for on-line preconcentration by solid phase extraction of pirimicarb in water samples. <i>Analytica Chimica Acta</i> , 2002 , 451, 297-304	6.6	83
5	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> , 2002 , 106, 4942-4950	2.8	51
4	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((1R)-(E)-N-7,7-dimethyl-2-hydroxyimine-1-norbornyl)-trifluoromethanesulfonamide-N,N?)Palladium(II)-PdL22.	3.4	3
3	Enantioselective synthesis of both enantiomers of vicinal norbornanediamines through the Leuckart reaction of 2-norbornanones. <i>Tetrahedron: Asymmetry</i> , 2001 , 12, 2153-2158		6
2	Tuning of Photo- and Electroluminescence of New Soluble, PPV-Analogous Short-Chain Compounds with Naphthalene Moieties 2000 , 6, 1294		3

- 1 A facile synthesis of new homochiral amino alcohols with norbornane framework. *Tetrahedron: Asymmetry*, **1996**, 7, 1257-1260

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