

# Mara Laura Pedano

## List of Publications by Citations

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26  
papers

1,325  
citations

15  
h-index

26  
g-index

26  
ext. papers

1,398  
ext. citations

5.9  
avg, IF

4.14  
L-index

#	Paper	IF	Citations
26	Carbon nanotubes for electrochemical biosensing. <i>Talanta</i> , <b>2007</b> , 74, 291-307	6.2	455
25	Adsorption and electrooxidation of nucleic acids at carbon nanotubes paste electrodes. <i>Electrochemistry Communications</i> , <b>2004</b> , 6, 10-16	5.1	215
24	Gap structure effects on surface-enhanced Raman scattering intensities for gold gapped rods. <i>Nano Letters</i> , <b>2010</b> , 10, 1722-7	11.5	98
23	Carbon Nanotubes Paste Electrodes. A New Alternative for the Development of Electrochemical Sensors. <i>Electroanalysis</i> , <b>2007</b> , 19, 823-831	3	83
22	Electrochemical determination of ascorbic acid and paracetamol in pharmaceutical formulations using a glassy carbon electrode modified with multi-wall carbon nanotubes dispersed in polyhistidine. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 173, 732-736	8.5	73
21	Comparative study of the electrochemical behavior and analytical applications of (bio)sensing platforms based on the use of multi-walled carbon nanotubes dispersed in different polymers. <i>Analytica Chimica Acta</i> , <b>2013</b> , 805, 19-35	6.6	50
20	Immobilization of DNA on glassy carbon electrodes for the development of affinity biosensors. <i>Biosensors and Bioelectronics</i> , <b>2003</b> , 18, 269-77	11.8	50
19	Graphene paste electrode: Electrochemical behavior and analytical applications for the quantification of NADH. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 176, 921-926	8.5	44
18	Periodic electric field enhancement along gold rods with nanogaps. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 78-82	16.4	36
17	Electrochemical Biosensors for Sequence-Specific DNA Detection. <i>Analytical Letters</i> , <b>2005</b> , 38, 2653-2703	3.2	33
16	Glassy carbon electrodes modified with a dispersion of multi-wall carbon nanotubes in dopamine-functionalized polyethylenimine: Characterization and analytical applications for nicotinamide adenine dinucleotide quantification. <i>Electrochimica Acta</i> , <b>2012</b> , 71, 73-81	6.7	30
15	Alignment strategies for the assembly of nanowires with submicron diameters. <i>Small</i> , <b>2010</b> , 6, 1736-40	11	23
14	Supramolecular architecture based on the self-assembling of multiwall carbon nanotubes dispersed in polyhistidine and glucose oxidase: Characterization and analytical applications for glucose biosensing. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 39, 76-81	11.8	22
13	Dispersion of multi-wall carbon nanotubes in polyhistidine: characterization and analytical applications. <i>Analytica Chimica Acta</i> , <b>2012</b> , 710, 58-64	6.6	21
12	Immobilization of DNA at Glassy Carbon Electrodes: A Critical Study of Adsorbed Layer. <i>Sensors</i> , <b>2005</b> , 5, 424-447	3.8	20
11	Electrochemical Determination of Cu(II) Using a Glassy Carbon Electrode Modified with Multiwall Carbon Nanotubes Dispersed in Polyhistidine. <i>Electroanalysis</i> , <b>2015</b> , 27, 2164-2170	3	14
10	Single-Wall Carbon Nanotubes Covalently Functionalized with Polylysine: Synthesis, Characterization and Analytical Applications for the Development of Electrochemical (Bio)Sensors. <i>Electroanalysis</i> , <b>2014</b> , 26, 1676-1683	3	13

9	Layer-by-Layer Deposition of Chitosan Derivatives and DNA on Gold Surfaces for the Development of Biorecognition Layers. <i>Analytical Letters</i> , <b>2004</b> , 37, 2235-2250	2.2	13
8	Electrochemical Sensor for the Quantification of Dopamine Using Glassy Carbon Electrodes Modified with Single-Wall Carbon Nanotubes Covalently Functionalized with Polylysine. <i>Electroanalysis</i> , <b>2015</b> , 27, 1565-1571	3	10
7	Amperometric biosensor for the quantification of gentisic acid using polyphenol oxidase modified carbon paste electrode. <i>Talanta</i> , <b>2000</b> , 53, 489-95	6.2	8
6	Development and characterisation of self-assembled graphene hydrogel-based anodes for bioelectrochemical systems.. <i>RSC Advances</i> , <b>2018</b> , 8, 26755-26763	3.7	5
5	Electrochemistry in One Dimension: Applications of Carbon Nanotubes. <i>Advances in Electrochemical Science and Engineering</i> , <b>2015</b> , 83-120		3
4	Adsorption and Electrooxidation of DNA at Glassy Carbon Paste Electrodes. <i>Analytical Letters</i> , <b>2010</b> , 43, 1703-1712	2.2	3
3	Characterization of DNA Layers Adsorbed on Glassy Carbon Electrodes. <i>Electroanalysis</i> , <b>2008</b> , 20, 739-749		2
2	SPR Biosensing MUA/Poly-L-lysine Platform for the Detection of 2,4-Dinitrophenol as Small Molecule Model System. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-9	3.2	1
1	Deprotonation of Glyphosate Studied with X-ray Photoelectron Spectroscopy. <i>Materials Today: Proceedings</i> , <b>2019</b> , 14, 117-121	1.4	0