

Mara D Rubianes

List of Publications by Citations

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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.

31 papers	1,264 citations	17 h-index	31 g-index
31 ext. papers	1,381 ext. citations	5.4 avg, IF	4.26 L-index

#	Paper	IF	Citations
31	Carbon nanotubes for electrochemical biosensing. <i>Talanta</i> , 2007 , 74, 291-307	6.2	455
30	Dispersion of multi-wall carbon nanotubes in polyethylenimine: A new alternative for preparing electrochemical sensors. <i>Electrochemistry Communications</i> , 2007 , 9, 480-484	5.1	120
29	Carbon nanotubes paste electrodes as new detectors for capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2005 , 543, 84-91	6.6	65
28	Dispersion of multi-wall carbon nanotubes in glucose oxidase: Characterization and analytical applications for glucose biosensing. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 191-197	8.5	59
27	Carbon nanotubes-based electrochemical (bio)sensors for biomarkers. <i>Applied Materials Today</i> , 2017 , 9, 566-588	6.6	51
26	Graphene paste electrode: Electrochemical behavior and analytical applications for the quantification of NADH. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 921-926	8.5	44
25	Highly selective determination of dopamine in the presence of ascorbic acid and serotonin at glassy carbon electrodes modified with carbon nanotubes dispersed in polyethylenimine. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 6003-9	1.3	40
24	Quantification of Quercetin Using Glassy Carbon Electrodes Modified with Multiwalled Carbon Nanotubes Dispersed in Polyethylenimine and Polyacrylic Acid. <i>Electroanalysis</i> , 2010 , 22, 2650-2657	3	38
23	Label-Free Graphene Oxide-Based Surface Plasmon Resonance Immunosensor for the Quantification of Galectin-3, a Novel Cardiac Biomarker. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23501-23508	9.5	37
22	Single-walled carbon nanotubes covalently functionalized with cysteine: A new alternative for the highly sensitive and selective Cd(II) quantification. <i>Sensors and Actuators B: Chemical</i> , 2017 , 249, 506-514	8.5	32
21	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> , 2012 , 71, 73-81	6.7	30
20	Bioelectrochemical sensing of promethazine with bamboo-type multiwalled carbon nanotubes dispersed in calf-thymus double stranded DNA. <i>Bioelectrochemistry</i> , 2014 , 99, 8-16	5.6	28
19	Dispersion of bamboo type multi-wall carbon nanotubes in calf-thymus double stranded DNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 108, 329-36	6	28
18	Electrochemical sensor for amino acids and glucose based on glassy carbon electrodes modified with multi-walled carbon nanotubes and copper microparticles dispersed in polyethylenimine. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 765, 16-21	4.1	25
17	Carbon nanotubes paste electrodes modified with a melanic polymer: Analytical applications for the sensitive and selective quantification of dopamine. <i>Sensors and Actuators B: Chemical</i> , 2010 , 144, 274-279	8.5	24
16	Bamboo-like multiwalled carbon nanotubes dispersed in double stranded calf-thymus DNA as a new analytical platform for building layer-by-layer based biosensors. <i>Electrochimica Acta</i> , 2015 , 182, 391-397	6.7	21
15	Multi-walled carbon nanotubes/graphene nanoribbons hybrid materials with superior electrochemical performance. <i>Electrochemistry Communications</i> , 2014 , 39, 26-29	5.1	21

14	Recent advances in the development of electrochemical hydrogen peroxide carbon nanotubeBased (bio)sensors. <i>Current Opinion in Electrochemistry</i> , 2019 , 14, 157-165	7.2	17
13	Graphene Paste Electrode: Analytical Applications for the Quantification of Dopamine, Phenolic Compounds and Ethanol. <i>Electroanalysis</i> , 2014 , 26, 1694-1701	3	17
12	Effect of the Incorporation of Proteins on the Performance of Carbon Paste Electrodes Modified with Electrogenated Magnetite Nanoparticles towards the Reduction of Hydrogen Peroxide. <i>Electroanalysis</i> , 2012 , 24, 1541-1546	3	17
11	Glucose biosensing at carbon paste electrodes containing iron nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2010 , 149, 306-309	8.5	17
10	Single-Wall Carbon Nanotubes Covalently Functionalized with Polylysine: Synthesis, Characterization and Analytical Applications for the Development of Electrochemical (Bio)Sensors. <i>Electroanalysis</i> , 2014 , 26, 1676-1683	3	13
9	New trends in the development of electrochemical biosensors for the quantification of microRNAs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 189, 113478	3.5	13
8	New bioanalytical platform based on the use of avidin for the successful exfoliation of multi-walled carbon nanotubes and the robust anchoring of biomolecules. Application for hydrogen peroxide biosensing. <i>Analytica Chimica Acta</i> , 2019 , 1065, 12-20	6.6	10
7	Quantification of neurotransmitters and metabolically related compounds at glassy carbon electrodes modified with bamboo-like carbon nanotubes dispersed in double stranded DNA. <i>Microchemical Journal</i> , 2017 , 130, 40-46	4.8	10
6	Electrochemical Sensor for the Quantification of Dopamine Using Glassy Carbon Electrodes Modified with Single-Wall Carbon Nanotubes Covalently Functionalized with Polylysine. <i>Electroanalysis</i> , 2015 , 27, 1565-1571	3	10
5	Immobilization of graphene-derived materials at gold surfaces: Towards a rational design of protein-based platforms for electrochemical and plasmonic applications. <i>Electrochimica Acta</i> , 2018 , 259, 723-732	6.7	7
4	Adsorption and Electrooxidation of DNA at Glassy Carbon Electrodes Modified with Multiwall Carbon Nanotubes Dispersed in Glucose Oxidase. <i>Electroanalysis</i> , 2013 , 25, 1135-1142	3	6
3	Avidin and Glucose Oxidase-non-covalently Functionalized Multi-walled Carbon Nanotubes: A New Analytical Tool for Building a Biezymatic Glucose Biosensor. <i>Electroanalysis</i> , 2019 , 31, 1888-1894	3	4
2	Electrochemistry in One Dimension: Applications of Carbon Nanotubes. <i>Advances in Electrochemical Science and Engineering</i> , 2015 , 83-120		3
1	Electrocatalytic Activity of Nanohybrids Based on Carbon Nanomaterials and MFe ₂ O ₄ (M=Co, Mn) towards the Reduction of Hydrogen Peroxide. <i>Electroanalysis</i> , 2018 , 30, 1621-1626	3	2