Mara D Rubianes

List of Publications by Year in Descending Order

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	New trends in the development of electrochemical biosensors for the quantification of microRNAs. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 189, 113478	3.5	13
30	Avidin and Glucose Oxidase-non-covalently Functionalized Multi-walled Carbon Nanotubes: A New Analytical Tool for Building a Bienzymatic Glucose Biosensor. *Electroanalysis*, **2019**, 31, 1888-1894	3	4
29	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. *Analytica Chimica Acta*, **2019**, 1065, 12-20	6.6	10
28	Recent advances in the development of electrochemical hydrogen peroxide carbon nanotube based (bio)sensors. *Current Opinion in Electrochemistry*, **2019**, 14, 157-165	7.2	17
27	Electrocatalytic Activity of Nanohybrids Based on Carbon Nanomaterials and MFe2O4 (M=Co, Mn) towards the Reduction of Hydrogen Peroxide. *Electroanalysis*, **2018**, 30, 1621-1626	3	2
26	Label-Free Graphene Oxide-Based Surface Plasmon Resonance Immunosensor for the Quantification of Galectin-3, a Novel Cardiac Biomarker. *ACS Applied Materials & Interfaces*, **2018**, 10, 23501-23508	9.5	37
25	Immobilization of graphene-derived materials at gold surfaces: Towards a rational design of protein-based platforms for electrochemical and plasmonic applications. *Electrochimica Acta*, **2018**, 259, 723-732	6.7	7
24	Single-walled carbon nanotubes covalently functionalized with cysteine: A new alternative for the highly sensitive and selective Cd(II) quantification. *Sensors and Actuators B: Chemical*, **2017**, 249, 506-514	8.5	32
23	Carbon nanotubes-based electrochemical (bio)sensors for biomarkers. *Applied Materials Today*, **2017**, 9, 566-588	6.6	51
22	Quantification of neurotransmitters and metabolically related compounds at glassy carbon electrodes modified with bamboo-like carbon nanotubes dispersed in double stranded DNA. *Microchemical Journal*, **2017**, 130, 40-46	4.8	10
21	Electrochemical sensor for amino acids and glucose based on glassy carbon electrodes modified with multi-walled carbon nanotubes and copper microparticles dispersed in polyethylenimine. *Journal of Electroanalytical Chemistry*, **2016**, 765, 16-21	4.1	25
20	Bamboo-like multiwalled carbon nanotubes dispersed in double stranded calf-thymus DNA as a new analytical platform for building layer-by-layer based biosensors. *Electrochimica Acta*, **2015**, 182, 391-397	6.7	21
19	Electrochemistry in One Dimension: Applications of Carbon Nanotubes. *Advances in Electrochemical Science and Engineering*, **2015**, 83-120		3
18	Electrochemical Sensor for the Quantification of Dopamine Using Glassy Carbon Electrodes Modified with Single-Wall Carbon Nanotubes Covalently Functionalized with Polylysine. *Electroanalysis*, **2015**, 27, 1565-1571	3	10
17	Single-Wall Carbon Nanotubes Covalently Functionalized with Polylysine: Synthesis, Characterization and Analytical Applications for the Development of Electrochemical (Bio)Sensors. *Electroanalysis*, **2014**, 26, 1676-1683	3	13
16	Graphene Paste Electrode: Analytical Applications for the Quantification of Dopamine, Phenolic Compounds and Ethanol. *Electroanalysis*, **2014**, 26, 1694-1701	3	17
15	Multi-walled carbon nanotubes/graphene nanoribbons hybrid materials with superior electrochemical performance. *Electrochemistry Communications*, **2014**, 39, 26-29	5.1	21

14	Bioelectrochemical sensing of promethazine with bamboo-type multiwalled carbon nanotubes dispersed in calf-thymus double stranded DNA. *Bioelectrochemistry*, **2014**, 99, 8-16	5.6	28
13	Graphene paste electrode: Electrochemical behavior and analytical applications for the quantification of NADH. *Sensors and Actuators B: Chemical*, **2013**, 176, 921-926	8.5	44
12	Adsorption and Electrooxidation of DNA at Glassy Carbon Electrodes Modified with Multiwall Carbon Nanotubes Dispersed in Glucose Oxidase. *Electroanalysis*, **2013**, 25, 1135-1142	3	6
11	Dispersion of bamboo type multi-wall carbon nanotubes in calf-thymus double stranded DNA. *Colloids and Surfaces B: Biointerfaces*, **2013**, 108, 329-36	6	28
10	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. *Electrochimica Acta*, **2012**, 71, 73-81	6.7	30
9	Dispersion of multi-wall carbon nanotubes in glucose oxidase: Characterization and analytical applications for glucose biosensing. *Sensors and Actuators B: Chemical*, **2012**, 161, 191-197	8.5	59
8	Effect of the Incorporation of Proteins on the Performance of Carbon Paste Electrodes Modified with Electrogenerated Magnetite Nanoparticles towards the Reduction of Hydrogen Peroxide. *Electroanalysis*, **2012**, 24, 1541-1546	3	17
7	Quantification of Quercetin Using Glassy Carbon Electrodes Modified with Multiwalled Carbon Nanotubes Dispersed in Polyethylenimine and Polyacrylic Acid. *Electroanalysis*, **2010**, 22, 2650-2657	3	38
6	Carbon nanotubes paste electrodes modified with a melanic polymer: Analytical applications for the sensitive and selective quantification of dopamine. *Sensors and Actuators B: Chemical*, **2010**, 144, 274-279	8.5	24
5	Glucose biosensing at carbon paste electrodes containing iron nanoparticles. *Sensors and Actuators B: Chemical*, **2010**, 149, 306-309	8.5	17
4	Highly selective determination of dopamine in the presence of ascorbic acid and serotonin at glassy carbon electrodes modified with carbon nanotubes dispersed in polyethylenimine. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 6003-9	1.3	40
3	Dispersion of multi-wall carbon nanotubes in polyethylenimine: A new alternative for preparing electrochemical sensors. *Electrochemistry Communications*, **2007**, 9, 480-484	5.1	120
2	Carbon nanotubes for electrochemical biosensing. *Talanta*, **2007**, 74, 291-307	6.2	455
1	Carbon nanotubes paste electrodes as new detectors for capillary electrophoresis. *Analytica Chimica Acta*, **2005**, 543, 84-91	6.6	65