Pedro Salazar

List of Publications by Citations

41 papers	1,037 citations	21 h-index	32 g-index
43 ext. papers	1,173 ext. citations	5.3 avg, IF	4.48 L-index

#	Paper	IF	Citations
41	Preparation of core-shell FeO@poly(dopamine) magnetic nanoparticles for biosensor construction. *Journal of Materials Chemistry B*, **2014**, 2, 739-746	7.3	175
40	Non-enzymatic Glucose electrochemical sensor made of porous NiO thin films prepared by reactive magnetron sputtering at oblique angles. *Electrochimica Acta*, **2016**, 201, 38-44	6.7	74
39	Reduced graphene oxide-carboxymethylcellulose layered with platinum nanoparticles/PAMAM dendrimer/magnetic nanoparticles hybrids. Application to the preparation of enzyme electrochemical biosensors. *Sensors and Actuators B: Chemical*, **2016**, 232, 84-90	8.5	59
38	Rapid Legionella pneumophila determination based on a disposable core-shell Fe□□@poly(dopamine) magnetic nanoparticles immunoplatform. *Analytica Chimica Acta*, **2015**, 887, 51-58	6.6	52
37	Core-shell polydopamine magnetic nanoparticles as sorbent in micro-dispersive solid-phase extraction for the determination of estrogenic compounds in water samples prior to high-performance liquid chromatography-mass spectrometry analysis. *Journal of Chromatography A* , **2015**, 1397, 1-10	4.5	48
36	Non-enzymatic hydrogen peroxide detection at NiO nanoporous thin film- electrodes prepared by physical vapor deposition at oblique angles. *Electrochimica Acta*, **2017**, 235, 534-542	6.7	43
35	Improvement and characterization of surfactant-modified Prussian blue screen-printed carbon electrodes for selective H2O2 detection at low applied potentials. *Journal of Electroanalytical Chemistry*, **2012**, 674, 48-56	4.1	43
34	Nickel□opper bilayer nanoporous electrode prepared by physical vapor deposition at oblique angles for the non-enzymatic determination of glucose. *Sensors and Actuators B: Chemical*, **2016**, 226, 436-443	8.5	38
33	Quinone-rich poly(dopamine) magnetic nanoparticles for biosensor applications. *ChemPhysChem*, **2014**, 15, 3742-52	3.2	37
32	Application of Prussian Blue electrodes for amperometric detection of free chlorine in water samples using Flow Injection Analysis. *Talanta*, **2016**, 146, 410-6	6.2	36
31	Surfactant-promoted Prussian Blue-modified carbon electrodes: enhancement of electro-deposition step, stabilization, electrochemical properties and application to lactate microbiosensors for the neurosciences. *Colloids and Surfaces B: Biointerfaces*, **2012**, 92, 180-9	6	36
30	Prussian Blue-modified microelectrodes for selective transduction in enzyme-based amperometric microbiosensors for in vivo neurochemical monitoring. *Electrochimica Acta*, **2010**, 55, 6476-6484	6.7	36
29	A novel and improved surfactant-modified Prussian Blue electrode for amperometric detection of free chlorine in water. *Sensors and Actuators B: Chemical*, **2015**, 213, 116-123	8.5	34
28	Microbiosensors for glucose based on Prussian Blue modified carbon fiber electrodes for in vivo monitoring in the central nervous system. *Biosensors and Bioelectronics*, **2010**, 26, 748-53	11.8	33
27	Characterization and application of a new pH sensor based on magnetron sputtered porous WO3 thin films deposited at oblique angles. *Electrochimica Acta*, **2016**, 193, 24-31	6.7	32
26	Cholesterol biosensing with a polydopamine-modified nanostructured platinum electrode prepared by oblique angle physical vacuum deposition. *Sensors and Actuators B: Chemical*, **2017**, 240, 37-45	8.5	30
25	Anomalous Diffuse CO2 Emission prior to the January 2002 Short-term Unrest at San Miguel Volcano, El Salvador, Central America. *Pure and Applied Geophysics*, **2006**, 163, 883-896	2.2	29

24	Glutamate microbiosensors based on Prussian Blue modified carbon fiber electrodes for neuroscience applications: In-vitro characterization. *Sensors and Actuators B: Chemical*, **2016**, 235, 117-125	8.5	29
23	Amperometric glucose microbiosensor based on a Prussian Blue modified carbon fiber electrode for physiological applications. *Sensors and Actuators B: Chemical*, **2011**, 152, 137-143	8.5	28
22	New Copper wide range nanosensor electrode prepared by physical vapor deposition at oblique angles for the non-enzimatic determination of glucose. *Electrochimica Acta*, **2015**, 169, 195-201	6.7	26
21	One-step green synthesis of silver nanoparticle-modified reduced graphene oxide nanocomposite for H2O2 sensing applications. *Journal of Electroanalytical Chemistry*, **2019**, 855, 113638	4.1	23
20	In situ electrodeposition of cholesterol oxidase-modified polydopamine thin film on nanostructured screen printed electrodes for free cholesterol determination. *Journal of Electroanalytical Chemistry*, **2019**, 837, 191-199	4.1	18
19	Amperometric magnetobiosensors using poly(dopamine)-modified Fe3O4 magnetic nanoparticles for the detection of phenolic compounds. *Analytical Methods*, **2015**, 7, 8801-8808	3.2	16
18	Sensing and biosensing with screen printed electrodes modified with nanostructured nickel oxide thin films prepared by magnetron sputtering at oblique angles. *Electrochemistry Communications*, **2018**, 94, 5-8	5.1	13
17	The Use of Fluorocarbons to Mitigate the Oxygen Dependence of Glucose Microbiosensors for Neuroscience Applications. *Journal of the Electrochemical Society*, **2014**, 161, H689-H695	3.9	11
16	Simultaneous measurements of glucose, oxyhemoglobin and deoxyhemoglobin in exposed rat cortex. *Journal of Neuroscience Methods*, **2011**, 202, 192-8	3	9
15	Non-Enzymatic Glucose Sensors Based on Nickel Nanoporous Thin Films Prepared by Physical Vapor Deposition at Oblique Angles for Beverage Industry Applications. *Journal of the Electrochemical Society*, **2016**, 163, B704-B709	3.9	7
14	Nickel/Copper Bilayer-modified Screen Printed Electrode for Glucose Determination in Flow Injection Analysis. *Electroanalysis*, **2018**, 30, 187-193	3	5
13	Impact of a massive dust storm on the gross alpha, gross beta, 40K, 137Cs, 210Pb, 7Be activities measured in atmospheric aerosols collected in Tenerife, Canary Islands. *Atmospheric Environment*, **2020**, 239, 117806	5.3	4
12	In Vivo Biosensor Based on Prussian Blue for Brain Chemistry Monitoring : Methodological Review and Biological Applications. *Neuromethods*, **2017**, 155-179	0.4	3
11	Prussian Blue and Analogues: Biosensing Applications in Health Care **2014**, 423-450		2
10	Monitoring Extracellular Molecules in Neuroscience by In Vivo Electrochemistry: Methodological Considerations and Biological Applications. *Neuromethods*, **2017**, 181-206	0.4	2
9	Natural and artificial gamma-emitting radionuclides in volcanic soils of the Western Canary Islands. *Journal of Geochemical Exploration*, **2021**, 229, 106840	3.8	2
8	Nickel oxide nanoparticles-modified glassy carbon electrodes for non-enzymatic determination of total sugars in commercial beverages. *Microchemical Journal*, **2020**, 159, 105538	4.8	1
7	Sustainable polypyrrole-based magnetic-microextraction of phthalates from jellies and apple-based beverages prior to tandem mass spectrometry analysis. *Journal of Chromatography A*, **2021**, 1637, 461858	4.5	1

6	An ELIME assay for hepatitis A virus detection. *Talanta*, **2021**, 234, 122672	6.2	1
5	Hemoglobin-modified nanoparticles for electrochemical determination of haptoglobin: Application in bovine mastitis diagnosis. *Microchemical Journal*, **2022**, 179, 107528	4.8	1
4	Estimation of radiation doses due to groundwater intake at a volcanic island: Tenerife (Canary Islands, Spain). *Food Control*, **2022**, 135, 108830	6.2	0
3	Determination of the indoor radon concentration in schools of Tenerife (Canary Islands): a comparative study.. *Air Quality, Atmosphere and Health*, **2022**, 1-11	5.6	0
2	Electrochemical Microbiosensors for Neurotransmitter Monitoring **2018**, 173-181		
1	Neurotransmitter Microsensors for Neuroscience **2018**, 374-381		