

Pedro Salazar

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.

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	Estimation of radiation doses due to groundwater intake at a volcanic island: Tenerife (Canary Islands, Spain). <i>Food Control</i> , 2022 , 135, 108830	6.2	0
40	Determination of the indoor radon concentration in schools of Tenerife (Canary Islands): a comparative study.. <i>Air Quality, Atmosphere and Health</i> , 2022 , 1-11	5.6	0
39	Hemoglobin-modified nanoparticles for electrochemical determination of haptoglobin: Application in bovine mastitis diagnosis. <i>Microchemical Journal</i> , 2022 , 179, 107528	4.8	1
38	Sustainable polypyrrole-based magnetic-microextraction of phthalates from jellies and apple-based beverages prior to tandem mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2021 , 1637, 461858	4.5	1
37	Natural and artificial gamma-emitting radionuclides in volcanic soils of the Western Canary Islands. <i>Journal of Geochemical Exploration</i> , 2021 , 229, 106840	3.8	2
36	An ELIME assay for hepatitis A virus detection. <i>Talanta</i> , 2021 , 234, 122672	6.2	1
35	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. <i>Atmospheric Environment</i> , 2020 , 239, 117806	5.3	4
34	Nickel oxide nanoparticles-modified glassy carbon electrodes for non-enzymatic determination of total sugars in commercial beverages. <i>Microchemical Journal</i> , 2020 , 159, 105538	4.8	1
33	In situ electrodeposition of cholesterol oxidase-modified polydopamine thin film on nanostructured screen printed electrodes for free cholesterol determination. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 837, 191-199	4.1	18
32	One-step green synthesis of silver nanoparticle-modified reduced graphene oxide nanocomposite for H ₂ O ₂ sensing applications. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 855, 113638	4.1	23
31	Nickel/Copper Bilayer-modified Screen Printed Electrode for Glucose Determination in Flow Injection Analysis. <i>Electroanalysis</i> , 2018 , 30, 187-193	3	5
30	Sensing and biosensing with screen printed electrodes modified with nanostructured nickel oxide thin films prepared by magnetron sputtering at oblique angles. <i>Electrochemistry Communications</i> , 2018 , 94, 5-8	5.1	13
29	Electrochemical Microbiosensors for Neurotransmitter Monitoring 2018 , 173-181		
28	Neurotransmitter Microsensors for Neuroscience 2018 , 374-381		
27	Non-enzymatic hydrogen peroxide detection at NiO nanoporous thin film- electrodes prepared by physical vapor deposition at oblique angles. <i>Electrochimica Acta</i> , 2017 , 235, 534-542	6.7	43
26	In Vivo Biosensor Based on Prussian Blue for Brain Chemistry Monitoring : Methodological Review and Biological Applications. <i>Neuromethods</i> , 2017 , 155-179	0.4	3
25	Cholesterol biosensing with a polydopamine-modified nanostructured platinum electrode prepared by oblique angle physical vacuum deposition. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 37-45	8.5	30

24	Monitoring Extracellular Molecules in Neuroscience by In Vivo Electrochemistry: Methodological Considerations and Biological Applications. <i>Neuromethods</i> , 2017 , 181-206	0.4	2
23	Application of Prussian Blue electrodes for amperometric detection of free chlorine in water samples using Flow Injection Analysis. <i>Talanta</i> , 2016 , 146, 410-6	6.2	36
22	Reduced graphene oxide-carboxymethylcellulose layered with platinum nanoparticles/PAMAM dendrimer/magnetic nanoparticles hybrids. Application to the preparation of enzyme electrochemical biosensors. <i>Sensors and Actuators B: Chemical</i> , 2016 , 232, 84-90	8.5	59
21	Characterization and application of a new pH sensor based on magnetron sputtered porous WO ₃ thin films deposited at oblique angles. <i>Electrochimica Acta</i> , 2016 , 193, 24-31	6.7	32
20	Nickel/Copper bilayer nanoporous electrode prepared by physical vapor deposition at oblique angles for the non-enzymatic determination of glucose. <i>Sensors and Actuators B: Chemical</i> , 2016 , 226, 436-443	8.5	38
19	Non-Enzymatic Glucose Sensors Based on Nickel Nanoporous Thin Films Prepared by Physical Vapor Deposition at Oblique Angles for Beverage Industry Applications. <i>Journal of the Electrochemical Society</i> , 2016 , 163, B704-B709	3.9	7
18	Non-enzymatic Glucose electrochemical sensor made of porous NiO thin films prepared by reactive magnetron sputtering at oblique angles. <i>Electrochimica Acta</i> , 2016 , 201, 38-44	6.7	74
17	Glutamate microbiosensors based on Prussian Blue modified carbon fiber electrodes for neuroscience applications: In-vitro characterization. <i>Sensors and Actuators B: Chemical</i> , 2016 , 235, 117-125	8.5	29
16	A novel and improved surfactant-modified Prussian Blue electrode for amperometric detection of free chlorine in water. <i>Sensors and Actuators B: Chemical</i> , 2015 , 213, 116-123	8.5	34
15	Rapid Legionella pneumophila determination based on a disposable core-shell Fe ₃ O ₄ @poly(dopamine) magnetic nanoparticles immunoplatfrom. <i>Analytica Chimica Acta</i> , 2015 , 887, 51-58	6.6	52
14	New Copper wide range nanosensor electrode prepared by physical vapor deposition at oblique angles for the non-enzymatic determination of glucose. <i>Electrochimica Acta</i> , 2015 , 169, 195-201	6.7	26
13	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. <i>Journal of Chromatography A</i> , 2015 , 1327, 1-10	4.5	48
12	Amperometric magnetobiosensors using poly(dopamine)-modified Fe ₃ O ₄ magnetic nanoparticles for the detection of phenolic compounds. <i>Analytical Methods</i> , 2015 , 7, 8801-8808	3.2	16
11	Preparation of core-shell FeO@poly(dopamine) magnetic nanoparticles for biosensor construction. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 739-746	7.3	175
10	Quinone-rich poly(dopamine) magnetic nanoparticles for biosensor applications. <i>ChemPhysChem</i> , 2014 , 15, 3742-52	3.2	37
9	Prussian Blue and Analogues: Biosensing Applications in Health Care 2014 , 423-450		2
8	The Use of Fluorocarbons to Mitigate the Oxygen Dependence of Glucose Microbiosensors for Neuroscience Applications. <i>Journal of the Electrochemical Society</i> , 2014 , 161, H689-H695	3.9	11
7	Improvement and characterization of surfactant-modified Prussian blue screen-printed carbon electrodes for selective H ₂ O ₂ detection at low applied potentials. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 674, 48-56	4.1	43

6	Surfactant-promoted Prussian Blue-modified carbon electrodes: enhancement of electro-deposition step, stabilization, electrochemical properties and application to lactate microbiosensors for the neurosciences. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 92, 180-9	6	36
5	Simultaneous measurements of glucose, oxyhemoglobin and deoxyhemoglobin in exposed rat cortex. <i>Journal of Neuroscience Methods</i> , 2011 , 202, 192-8	3	9
4	Amperometric glucose microbiosensor based on a Prussian Blue modified carbon fiber electrode for physiological applications. <i>Sensors and Actuators B: Chemical</i> , 2011 , 152, 137-143	8.5	28
3	Microbiosensors for glucose based on Prussian Blue modified carbon fiber electrodes for in vivo monitoring in the central nervous system. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 748-53	11.8	33
2	Prussian Blue-modified microelectrodes for selective transduction in enzyme-based amperometric microbiosensors for in vivo neurochemical monitoring. <i>Electrochimica Acta</i> , 2010 , 55, 6476-6484	6.7	36
1	Anomalous Diffuse CO ₂ Emission prior to the January 2002 Short-term Unrest at San Miguel Volcano, El Salvador, Central America. <i>Pure and Applied Geophysics</i> , 2006 , 163, 883-896	2.2	29