

Paulo Augusto Raymundo Pereira

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.

44
papers

966
citations

21
h-index

29
g-index

45
ext. papers

1,239
ext. citations

6.3
avg, IF

4.7
L-index

#	Paper	IF	Citations
44	Low-cost bacterial nanocellulose-based interdigitated biosensor to detect the p53 cancer biomarker. <i>Materials Science and Engineering C</i> , 2022 , 112676	8.3	2
43	Updating the use of nano-biosensors as promising devices for the diagnosis of coronavirus family members: A systematic review.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 211, 114608	3.5	2
42	Wearable glove-embedded sensors for therapeutic drug monitoring in sweat for personalized medicine. <i>Chemical Engineering Journal</i> , 2022 , 435, 135047	14.7	8
41	Electrochemical immunosensors using electrodeposited gold nanostructures for detecting the S proteins from SARS-CoV and SARS-CoV-2.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	8
40	Carbon spherical shells in a flexible photoelectrochemical sensor to determine hydroquinone in tap water. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107556	6.8	3
39	Wearable sensors made with solution-blow spinning poly(lactic acid) for non-enzymatic pesticide detection in agriculture and food safety.. <i>Biosensors and Bioelectronics</i> , 2021 , 199, 113875	11.8	12
38	Influence of the Molecular Orientation and Ionization of Self-Assembled Monolayers in Biosensors: Application to Genosensors of Prostate Cancer Antigen 3. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 498-506	3.8	8
37	Selective and sensitive multiplexed detection of pesticides in food samples using wearable, flexible glove-embedded non-enzymatic sensors. <i>Chemical Engineering Journal</i> , 2021 , 408, 127279	14.7	31
36	Biomimetic electrochemical sensors: New horizons and challenges in biosensing applications. <i>Biosensors and Bioelectronics</i> , 2021 , 185, 113242	11.8	28
35	Flexible and integrated dual carbon sensor for multiplexed detection of nonylphenol and paroxetine in tap water samples. <i>Mikrochimica Acta</i> , 2021 , 188, 359	5.8	6
34	Detection of a SARS-CoV-2 sequence with genosensors using data analysis based on information visualization and machine learning techniques. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5658-5670	7.8	8
33	Simultaneous Detection of Quercetin and Carbendazim in Wine Samples Using Disposable Electrochemical Sensors. <i>ChemElectroChem</i> , 2020 , 7, 3074-3081	4.3	9
32	Enzymatic biofuel cells based on protective hydrophobic carbon paste electrodes: towards epidermal bioenergy harvesting in the acidic sweat environment. <i>Chemical Communications</i> , 2020 , 56, 2004-2007	5.8	13
31	Pen sensor made with silver nanoparticles decorating graphite-polyurethane electrodes to detect bisphenol-A in tap and river water samples. <i>Materials Science and Engineering C</i> , 2020 , 114, 110989	8.3	17
30	Microbial nanocellulose adherent to human skin used in electrochemical sensors to detect metal ions and biomarkers in sweat. <i>Talanta</i> , 2020 , 218, 121153	6.2	39
29	Genosensor made with a self-assembled monolayer matrix to detect MGMT gene methylation in head and neck cancer cell lines. <i>Talanta</i> , 2020 , 210, 120609	6.2	12
28	Polyphenol oxidase-based electrochemical biosensors: A review. <i>Analytica Chimica Acta</i> , 2020 , 1139, 198-221	6.6	19

27	Flexible Carbon Electrodes for Electrochemical Detection of Bisphenol-A, Hydroquinone and Catechol in Water Samples. <i>Chemosensors</i> , 2020 , 8, 103	4	11
26	Nanoarchitectonics in Microfluidic Devices for Sensing and Biosensing 2019 , 231-252		3
25	Simultaneous, ultrasensitive detection of hydroquinone, paracetamol and estradiol for quality control of tap water with a simple electrochemical method. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 848, 113319	4.1	26
24	Use of zein microspheres to anchor carbon black and hemoglobin in electrochemical biosensors to detect hydrogen peroxide in cosmetic products, food and biological fluids. <i>Talanta</i> , 2019 , 194, 737-744	6.2	30
23	Size Control of Carbon Spherical Shells for Sensitive Detection of Paracetamol in Sweat, Saliva, and Urine. <i>ACS Applied Nano Materials</i> , 2018 , 1, 654-661	5.6	29
22	An electrochemical furosemide sensor based on pencil graphite surface modified with polymer film Ni-salen and Ni(OH) ₂ /C nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 276, 378-387	8.5	25
21	Thin Films and Composites Based on Graphene for Electrochemical Detection of Biologically-relevant Molecules. <i>Electroanalysis</i> , 2018 , 30, 1888-1896	3	15
20	Electrochemical biosensor made with tyrosinase immobilized in a matrix of nanodiamonds and potato starch for detecting phenolic compounds. <i>Analytica Chimica Acta</i> , 2018 , 1034, 137-143	6.6	61
19	Ultralow Cost Electrochemical Sensor Made of Potato Starch and Carbon Black Nanoballs to Detect Tetracycline in Waters and Milk. <i>Electroanalysis</i> , 2018 , 30, 2153-2159	3	27
18	Sensitive detection of estriol hormone in creek water using a sensor platform based on carbon black and silver nanoparticles. <i>Talanta</i> , 2017 , 174, 652-659	6.2	35
17	Printex 6L Carbon Nanoballs used in Electrochemical Sensors for Simultaneous Detection of Emerging Pollutants Hydroquinone and Paracetamol. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 165-174	8.5	39
16	Study on the structural and electrocatalytic properties of Ba ²⁺ - and Eu ³⁺ -doped silica xerogels as sensory platforms. <i>RSC Advances</i> , 2016 , 6, 104529-104536	3.7	15
15	Adsorption according to the Langmuir-Freundlich model is the detection mechanism of the antigen p53 for early diagnosis of cancer. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8412-8	3.6	45
14	Nanostructured carbon black for simultaneous sensing in biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2016 , 227, 610-618	8.5	73
13	Sensitive determination of the endocrine disruptor bisphenol A at ultrathin film based on nanostructured hybrid material SiO ₂ /GO/AgNP. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 2503-2507	2.6	21
12	A Nanostructured Bifunctional platform for Sensing of Glucose Biomarker in Artificial Saliva: Synergy in hybrid Pt/Au surfaces. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 369-376	11.8	47
11	Evaluation of the Oxo-bridged Dinuclear Ruthenium Ammine Complex as Redox Mediator in an Electrochemical Biosensor. <i>Electroanalysis</i> , 2016 , 28, 562-569	3	6
10	A nanostructured label-free platform based on an ultrathin film for ultrasensitive detection of a secosteroid hormone. <i>RSC Advances</i> , 2016 , 6, 34458-34467	3.7	9

9	Synergy between Printex nano-carbons and silver nanoparticles for sensitive estimation of antioxidant activity. <i>Analytica Chimica Acta</i> , 2016 , 926, 88-98	6.6	25
8	The use of dihexadecylphosphate in sensing and biosensing. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 805-813	8.5	20
7	A Simple and Rapid Estimation of Totals Polyphenols Based On Carbon Paste Electrode Modified with Ruthenium Oxo-Complex. <i>Electroanalysis</i> , 2015 , 27, 2371-2376	3	8
6	Sol-gel thin-film based mesoporous silica and carbon nanotubes for the determination of dopamine, uric acid and paracetamol in urine. <i>Talanta</i> , 2013 , 116, 726-35	6.2	63
5	Direct Synthesis of Ag Nanoparticles Incorporated on a Mesoporous Hybrid Material as a Sensitive Sensor for the Simultaneous Determination of Dihydroxybenzenes Isomers. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5746-5754	2.3	26
4	Electrochemical sensor for ranitidine determination based on carbon paste electrode modified with oxovanadium (IV) salen complex. <i>Materials Science and Engineering C</i> , 2013 , 33, 4081-5	8.3	26
3	Short-term effects of air pollution from biomass burning in mucociliary clearance of Brazilian sugarcane cutters. <i>Respiratory Medicine</i> , 2011 , 105, 1766-8	4.6	22
2	Electrochemical evaluation of the a carbon-paste electrode modified with spinel manganese(IV) oxide under flow conditions for amperometric determination of lithium. <i>Electrochimica Acta</i> , 2011 , 56, 2552-2558	6.7	11
1	Electrochemical investigation of the dimeric oxo-bridged ruthenium complex in aqueous solution and its incorporation within a cation-exchange polymeric film on the electrode surface for electrocatalytic activity of hydrogen peroxide oxidation. <i>Electrochimica Acta</i> , 2011 , 56, 6804-6811	6.7	23