Paulo Augusto Raymundo Pereira

List of Publications by Citations

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	Nanostructured carbon black for simultaneous sensing in biological fluids. *Sensors and Actuators B: Chemical*, **2016**, 227, 610-618	8.5	73
43	Sol-gel thin-film based mesoporous silica and carbon nanotubes for the determination of dopamine, uric acid and paracetamol in urine. *Talanta*, **2013**, 116, 726-35	6.2	63
42	Electrochemical biosensor made with tyrosinase immobilized in a matrix of nanodiamonds and potato starch for detecting phenolic compounds. *Analytica Chimica Acta*, **2018**, 1034, 137-143	6.6	61
41	A Nanostructured Bifunctional platform for Sensing of Glucose Biomarker in Artificial Saliva: Synergy in hybrid Pt/Au surfaces. *Biosensors and Bioelectronics*, **2016**, 86, 369-376	11.8	47
40	Adsorption according to the Langmuir-Freundlich model is the detection mechanism of the antigen p53 for early diagnosis of cancer. *Physical Chemistry Chemical Physics*, **2016**, 18, 8412-8	3.6	45
39	Printex 6L Carbon Nanoballs used in Electrochemical Sensors for Simultaneous Detection of Emerging Pollutants Hydroquinone and Paracetamol. *Sensors and Actuators B: Chemical*, **2017**, 252, 165-174	8.5	39
38	Microbial nanocellulose adherent to human skin used in electrochemical sensors to detect metal ions and biomarkers in sweat. *Talanta*, **2020**, 218, 121153	6.2	39
37	Sensitive detection of estriol hormone in creek water using a sensor platform based on carbon black and silver nanoparticles. *Talanta*, **2017**, 174, 652-659	6.2	35
36	Selective and sensitive multiplexed detection of pesticides in food samples using wearable, flexible glove-embedded non-enzymatic sensors. *Chemical Engineering Journal*, **2021**, 408, 127279	14.7	31
35	Use of zein microspheres to anchor carbon black and hemoglobin in electrochemical biosensors to detect hydrogen peroxide in cosmetic products, food and biological fluids. *Talanta*, **2019**, 194, 737-744	6.2	30
34	Size Control of Carbon Spherical Shells for Sensitive Detection of Paracetamol in Sweat, Saliva, and Urine. *ACS Applied Nano Materials*, **2018**, 1, 654-661	5.6	29
33	Biomimetic electrochemical sensors: New horizons and challenges in biosensing applications. *Biosensors and Bioelectronics*, **2021**, 185, 113242	11.8	28
32	Ultralow Cost Electrochemical Sensor Made of Potato Starch and Carbon Black Nanoballs to Detect Tetracycline in Waters and Milk. *Electroanalysis*, **2018**, 30, 2153-2159	3	27
31	Simultaneous, ultrasensitive detection of hydroquinone, paracetamol and estradiol for quality control of tap water with a simple electrochemical method. *Journal of Electroanalytical Chemistry*, **2019**, 848, 113319	4.1	26
30	Direct Synthesis of Ag Nanoparticles Incorporated on a Mesoporous Hybrid Material as a Sensitive Sensor for the Simultaneous Determination of Dihydroxybenzenes Isomers. *European Journal of Inorganic Chemistry*, **2013**, 2013, 5746-5754	2.3	26
29	Electrochemical sensor for ranitidine determination based on carbon paste electrode modified with oxovanadium (IV) salen complex. *Materials Science and Engineering C*, **2013**, 33, 4081-5	8.3	26
28	An electrochemical furosemide sensor based on pencil graphite surface modified with polymer film Ni-salen and Ni(OH)2/C nanoparticles. *Sensors and Actuators B: Chemical*, **2018**, 276, 378-387	8.5	25

27	Synergy between Printex nano-carbons and silver nanoparticles for sensitive estimation of antioxidant activity. *Analytica Chimica Acta*, **2016**, 926, 88-98	6.6	25
26	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. *Electrochimica Acta*, **2011**, 56, 6804-6811	6.7	23
25	Short-term effects of air pollution from biomass burning in mucociliary clearance of Brazilian sugarcane cutters. *Respiratory Medicine*, **2011**, 105, 1766-8	4.6	22
24	Sensitive determination of the endocrine disruptor bisphenol A at ultrathin film based on nanostructured hybrid material SiO2/GO/AgNP. *Journal of Solid State Electrochemistry*, **2016**, 20, 2503-2507	2.6	21
23	The use of dihexadecylphosphate in sensing and biosensing. *Sensors and Actuators B: Chemical*, **2015**, 220, 805-813	8.5	20
22	Polyphenol oxidase-based electrochemical biosensors: A review. *Analytica Chimica Acta*, **2020**, 1139, 198-221	6.6	19
21	Pen sensor made with silver nanoparticles decorating graphite-polyurethane electrodes to detect bisphenol-A in tap and river water samples. *Materials Science and Engineering C*, **2020**, 114, 110989	8.3	17
20	Study on the structural and electrocatalytic properties of Ba2+- and Eu3+-doped silica xerogels as sensory platforms. *RSC Advances*, **2016**, 6, 104529-104536	3.7	15
19	Thin Films and Composites Based on Graphene for Electrochemical Detection of Biologically-relevant Molecules. *Electroanalysis*, **2018**, 30, 1888-1896	3	15
18	Enzymatic biofuel cells based on protective hydrophobic carbon paste electrodes: towards epidermal bioenergy harvesting in the acidic sweat environment. *Chemical Communications*, **2020**, 56, 2004-2007	5.8	13
17	Wearable sensors made with solution-blow spinning poly(lactic acid) for non-enzymatic pesticide detection in agriculture and food safety.. *Biosensors and Bioelectronics*, **2021**, 199, 113875	11.8	12
16	Genosensor made with a self-assembled monolayer matrix to detect MGMT gene methylation in head and neck cancer cell lines. *Talanta*, **2020**, 210, 120609	6.2	12
15	Electrochemical evaluation of the a carbon-paste electrode modified with spinel manganese(IV) oxide under flow conditions for amperometric determination of lithium. *Electrochimica Acta*, **2011**, 56, 2552-2558	6.7	11
14	Flexible Carbon Electrodes for Electrochemical Detection of Bisphenol-A, Hydroquinone and Catechol in Water Samples. *Chemosensors*, **2020**, 8, 103	4	11
13	Simultaneous Detection of Quercetin and Carbendazim in Wine Samples Using Disposable Electrochemical Sensors. *ChemElectroChem*, **2020**, 7, 3074-3081	4.3	9
12	A nanostructured label-free platform based on an ultrathin film for ultrasensitive detection of a secosteroid hormone. *RSC Advances*, **2016**, 6, 34458-34467	3.7	9
11	A Simple and Rapid Estimation of Totals Polyphenols Based On Carbon Paste Electrode Modified with Ruthenium Oxo-Complex. *Electroanalysis*, **2015**, 27, 2371-2376	3	8
10	Wearable glove-embedded sensors for therapeutic drug monitoring in sweat for personalized medicine. *Chemical Engineering Journal*, **2022**, 435, 135047	14.7	8

9	Influence of the Molecular Orientation and Ionization of Self-Assembled Monolayers in Biosensors: Application to Genosensors of Prostate Cancer Antigen 3. *Journal of Physical Chemistry C*, **2021**, 125, 498-506	3.8	8
8	Detection of a SARS-CoV-2 sequence with genosensors using data analysis based on information visualization and machine learning techniques. *Materials Chemistry Frontiers*, **2021**, 5, 5658-5670	7.8	8
7	Electrochemical immunosensors using electrodeposited gold nanostructures for detecting the S proteins from SARS-CoV and SARS-CoV-2.. *Analytical and Bioanalytical Chemistry*, **2022**, 1	4.4	8
6	Evaluation of the Oxo-bridged Dinuclear Ruthenium Ammine Complex as Redox Mediator in an Electrochemical Biosensor. *Electroanalysis*, **2016**, 28, 562-569	3	6
5	Flexible and integrated dual carbon sensor for multiplexed detection of nonylphenol and paroxetine in tap water samples. *Mikrochimica Acta*, **2021**, 188, 359	5.8	6
4	Nanoarchitectonics in Microfluidic Devices for Sensing and Biosensing **2019**, 231-252		3
3	Carbon spherical shells in a flexible photoelectrochemical sensor to determine hydroquinone in tap water. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107556	6.8	3
2	Low-cost bacterial nanocellulose-based interdigitated biosensor to detect the p53 cancer biomarker. *Materials Science and Engineering C*, **2022**, 112676	8.3	2
1	Updating the use of nano-biosensors as promising devices for the diagnosis of coronavirus family members: A systematic review.. *Journal of Pharmaceutical and Biomedical Analysis*, **2022**, 211, 114608	3.5	2