

# Joo Paulo da Costa de Noronha

## List of Publications by Citations

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73  
papers

2,887  
citations

33  
h-index

53  
g-index

79  
ext. papers

3,314  
ext. citations

6  
avg, IF

5.11  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 73 | Ionic liquids as active pharmaceutical ingredients. <i>ChemMedChem</i> , <b>2011</b> , 6, 975-85   | 3.7  | 238       |
| 72 | Quinoxaline, its derivatives and applications: A State of the Art review. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 97, 664-72  | 6.8  | 221       |
| 71 | Molecular motions in amorphous ibuprofen as studied by broadband dielectric spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 11087-99   | 3.4  | 138       |
| 70 | Photodegradation kinetics and transformation products of ketoprofen, diclofenac and atenolol in pure water and treated wastewater. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 244-245, 516-27             | 12.8 | 131       |
| 69 | Assessing the removal of pharmaceuticals and personal care products in a full-scale activated sludge plant. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 1818-27                          | 5.1  | 122       |
| 68 | Pesticides in water and the performance of the liquid-phase microextraction based techniques. A review. <i>Microchemical Journal</i> , <b>2010</b> , 96, 225-237   | 4.8  | 101       |
| 67 | Biogenic platinum and palladium nanoparticles as new catalysts for the removal of pharmaceutical compounds. <i>Water Research</i> , <b>2017</b> , 108, 160-168   | 12.5 | 97        |
| 66 | Analysis of 65 pharmaceuticals and personal care products in 5 wastewater treatment plants in Portugal using a simplified analytical methodology. <i>Water Science and Technology</i> , <b>2010</b> , 62, 2862-71    | 2.2  | 93        |
| 65 | Development of novel ionic liquids based on ampicillin. <i>MedChemComm</i> , <b>2012</b> , 3, 494  | 5    | 83        |
| 64 | Ecotoxicity of ketoprofen, diclofenac, atenolol and their photolysis byproducts in zebrafish ( <i>Danio rerio</i> ). <i>Science of the Total Environment</i> , <b>2015</b> , 505, 282-9                              | 10.2 | 80        |
| 63 | Assessment of fish quality: the Quality Index Method versus HPLC analysis in <i>Sarda sarda</i> (Bloch, 1793). <i>Annals of Medicine</i> , <b>2019</b> , 51, 74-74   | 1.5  | 78        |
| 62 | Smart plastic antibody material (SPAM) tailored on disposable screen printed electrodes for protein recognition: application to myoglobin detection. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 45, 237-44 | 11.8 | 74        |
| 61 | Evaluation of solubility and partition properties of ampicillin-based ionic liquids. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 456, 553-9  | 6.5  | 72        |
| 60 | Protein-responsive polymers for point-of-care detection of cardiac biomarker. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 196, 123-132  | 8.5  | 69        |
| 59 | Electrochemical biosensor based on biomimetic material for myoglobin detection. <i>Electrochimica Acta</i> , <b>2013</b> , 107, 481-487  | 6.7  | 69        |
| 58 | Antibacterial activity of Ionic Liquids based on ampicillin against resistant bacteria. <i>RSC Advances</i> , <b>2014</b> , 4, 4301-4307   | 3.7  | 68        |
| 57 | Artificial antibodies for troponin T by its imprinting on the surface of multiwalled carbon nanotubes: its use as sensory surfaces. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 28, 243-50                  | 11.8 | 67        |

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|----|---|------|----|
| 56 | Metabolism and ecological niche of Tetrasphaera and Ca. Accumulibacter in enhanced biological phosphorus removal. <i>Water Research</i> , <b>2017</b> , 122, 159-171  | 12.5 | 66 |
| 55 | Assessing the diurnal variability of pharmaceutical and personal care products in a full-scale activated sludge plant. <i>Environmental Pollution</i> , <b>2011</b> , 159, 2359-67  | 9.3  | 65 |
| 54 | A label-free DNA aptamer-based impedance biosensor for the detection of E. coli outer membrane proteins. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 181, 766-772  | 8.5  | 54 |
| 53 | Isolation and characterization of a stress-inducible Dunaliella salina Lcy-beta gene encoding a functional lycopene beta-cyclase. <i>Applied Microbiology and Biotechnology</i> , <b>2008</b> , 79, 819-28  | 5.7  | 52 |
| 52 | Myoglobin-biomimetic electroactive materials made by surface molecular imprinting on silica beads and their use as ionophores in polymeric membranes for potentiometric transduction. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 4760-6 | 11.8 | 51 |
| 51 | Antitumor Activity of Ionic Liquids Based on Ampicillin. <i>ChemMedChem</i> , <b>2015</b> , 10, 1480-3  | 3.7  | 47 |
| 50 | Antimicrobial activity of quinoxaline 1,4-dioxide with 2- and 3-substituted derivatives. <i>Microbiological Research</i> , <b>2014</b> , 169, 287-93  | 5.3  | 43 |
| 49 | Novel Prostate Specific Antigen plastic antibody designed with charged binding sites for an improved protein binding and its application in a biosensor of potentiometric transduction. <i>Electrochimica Acta</i> , <b>2014</b> , 132, 142-150       | 6.7  | 42 |
| 48 | A new lupene triterpenetriol and anticholinesterase activity of Salvia sclareoides. <i>Phytotherapy Research</i> , <b>2007</b> , 78, 474-81   | 3.2  | 42 |
| 47 | Sarcosine oxidase composite screen-printed electrode for sarcosine determination in biological samples. <i>Analytica Chimica Acta</i> , <b>2014</b> , 850, 26-32  | 6.6  | 41 |
| 46 | Bioactivity studies and chemical profile of the antidiabetic plant Genista tenera. <i>Journal of Ethnopharmacology</i> , <b>2009</b> , 122, 384-93  | 5    | 40 |
| 45 | Novel sensory surface for creatine kinase electrochemical detection. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 56, 217-22  | 11.8 | 38 |
| 44 | Priority pesticides in sediments of European coastal lagoons: A review. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 112, 6-16  | 6.7  | 38 |
| 43 | Scavenging activity of aminoantipyridines against hydroxyl radical. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 2258-64  | 6.8  | 36 |
| 42 | Biodegradation of clofibrac acid and identification of its metabolites. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 241-242, 182-9  | 12.8 | 33 |
| 41 | Flavored waters: influence of ingredients on antioxidant capacity and terpenoid profile by HS-SPME/GC-MS. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 5062-72   | 5.7  | 33 |
| 40 | Microcystin-LR detection in water by the Fabry-Pérot interferometer using an optical fibre coated with a sol-gel imprinted sensing membrane. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 3932-7  | 11.8 | 31 |
| 39 | Novel biosensing device for point-of-care applications with plastic antibodies grown on Au-screen printed electrodes. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 182, 733-740   | 8.5  | 29 |

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|----|--|------|----|
| 38 | Biological treatment of propanil and 3,4-dichloroaniline: kinetic and microbiological characterisation. <i>Water Research</i> , <b>2010</b> , 44, 4980-91  | 12.5 | 25 |
| 37 | Synthesis and Antibacterial Activity of Ionic Liquids and Organic Salts Based on Penicillin G and Amoxicillin hydrolysate Derivatives against Resistant Bacteria. <i>Pharmaceutics</i> , <b>2020</b> , 12,   | 6.4  | 22 |
| 36 | Recycling old screen-printed electrodes with newly designed plastic antibodies on the wall of carbon nanotubes as sensory element for in situ detection of bacterial toxins in water. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 189, 21-29              | 8.5  | 22 |
| 35 | Detection of cardiac biomarker proteins using a disposable based on a molecularly imprinted polymer grafted onto graphite. <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 975-983   | 5.8  | 21 |
| 34 | Testing the variability of PSA expression by different human prostate cancer cell lines by means of a new potentiometric device employing molecularly antibody assembled on graphene surface. <i>Materials Science and Engineering C</i> , <b>2016</b> , 59, 1069-1078 | 8.3  | 14 |
| 33 | Influence of dissolved organic matter on the photodegradation and volatilization kinetics of chlorpyrifos in coastal waters. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2015</b> , 310, 189-196   | 4.7  | 13 |
| 32 | Use of in vivo <sup>13</sup> C nuclear magnetic resonance spectroscopy to elucidate L-arabinose metabolism in yeasts. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 1845-55  | 4.8  | 12 |
| 31 | Analysis of Food by High Performance Liquid Chromatography Coupled with Coulometric Detection and Related Techniques: A Review. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 4113-4144  | 5.7  | 11 |
| 30 | Umami taste in edible seaweeds: The current comprehension and perception. <i>International Journal of Gastronomy and Food Science</i> , <b>2021</b> , 23, 100301   | 2.8  | 11 |
| 29 | Pathways of priority pesticides in sediments of coastal lagoons: The case study of Bidos Lagoon, Portugal. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 106, 335-40  | 6.7  | 11 |
| 28 | Umami free amino acids in edible green, red, and brown seaweeds from the Portuguese seashore. <i>Journal of Applied Phycology</i> , <b>2020</b> , 32, 3331-3339  | 3.2  | 10 |
| 27 | The effect of chloride ions and organic matter on the photodegradation of acetamiprid in saline waters. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 360, 117-124  | 4.7  | 10 |
| 26 | <sup>17</sup> Ethinylestradiol and <sup>17</sup> Estradiol removal from a secondary urban wastewater using an RBC treatment system. <i>Environmental Monitoring and Assessment</i> , <b>2018</b> , 190, 320  | 3.1  | 10 |
| 25 | Surface Imprinting Approach on Screen Printed Electrodes Coated with Carboxylated PVC for Myoglobin detection with Electrochemical Transduction. <i>Procedia Engineering</i> , <b>2012</b> , 47, 865-868   |      | 10 |
| 24 | Determination of total iodine content in edible seaweeds: Application of inductively coupled plasma-atomic emission spectroscopy. <i>Algal Research</i> , <b>2021</b> , 53, 102149   | 5    | 10 |
| 23 | Determination of microcystin-LR in waters in the subnanomolar range by sol-gel imprinted polymers on solid contact electrodes. <i>Analyst, The</i> , <b>2012</b> , 137, 2437-44  | 5    | 9  |
| 22 | Propionate addition enhances the biodegradation of the xenobiotic herbicide propanil and its metabolite. <i>Bioresource Technology</i> , <b>2013</b> , 127, 195-201  | 11   | 9  |
| 21 | Adipocyte proteome and secretome influence inflammatory and hormone pathways in glioma. <i>Metabolic Brain Disease</i> , <b>2019</b> , 34, 141-152   | 3.9  | 8  |

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|----|--|------|---|
| 20 | Screening of Potential Stress Biomarkers in Sweat Associated with Sports Training. <i>Sports Medicine - Open</i> , <b>2021</b> , 7, 8  | 6.1  | 8 |
| 19 | Effects of ultrasonic irradiation and direct heating on extraction of priority pesticides from marine sediments. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2013</b> , 93, 1638-1659  | 1.8  | 7 |
| 18 | Texture, microstructure and volatile profile of structured guava using agar and gellan gum. <i>International Journal of Gastronomy and Food Science</i> , <b>2020</b> , 20, 100207   | 2.8  | 6 |
| 17 | Screening of priority pesticides in <i>Ulva</i> sp. seaweeds by selective pressurized solvent extraction before gas chromatography with electron capture detector analysis. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2014</b> , 67, 547-56 | 3.2  | 6 |
| 16 | A novel pentacyclic triterpene from <i>Leontodon filii</i> . <i>Phytotherapy</i> , <b>2005</b> , 76, 173-80  | 3.2  | 6 |
| 15 | Protein imprinted materials designed with charged binding sites on screen-printed electrode for microseminoprotein-beta determination in biological samples. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 223, 846-852                                   | 8.5  | 5 |
| 14 | Recognition of vinification technology through gas chromatographic data on enantiomeric purity of free amino acids. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1995</b> , 352, 783-787  |      | 4 |
| 13 | Sensors for the Detection and Quantification of Bacterial Contamination in Water for Human Use. <i>Advanced Engineering Materials</i> , <b>2010</b> , 12, B175-B178  | 3.5  | 3 |
| 12 | A new dihydroxysterol from the marine phytoplankton <i>Diacronema</i> sp. <i>Phytotherapy</i> , <b>2005</b> , 76, 433-8  | 3.2  | 3 |
| 11 | Determination of target biogenic amines in fish by GC-MS: investigating seafood quality. <i>Annals of Medicine</i> , <b>2019</b> , 51, 73-73   | 1.5  | 2 |
| 10 | Are seaweeds the food of the future? Challenges for its conservation and introduction in the Portuguese diet. <i>Annals of Medicine</i> , <b>2019</b> , 51, 169-169  | 1.5  | 2 |
| 9  | Label-free Detection of Microcystin-LR in Waters Using Real-Time Potentiometric Biosensors Based on Single-Walled Carbon Nanotubes Imprinted Polymers. <i>Procedia Engineering</i> , <b>2012</b> , 47, 758-761   |      | 2 |
| 8  | Optical cavity fibre sensor for detection of microcystin-LR in water <b>2010</b> ,   |      | 2 |
| 7  | In vitro nitrosation of insulin A- and B-chains. <i>European Journal of Mass Spectrometry</i> , <b>2006</b> , 12, 331-8  | 1.1  | 2 |
| 6  | The propagation of axisymmetric transverse waves along a thin-walled cylindrical pipe. <i>International Journal of Pressure Vessels and Piping</i> , <b>1996</b> , 65, 109-116   | 2.4  | 2 |
| 5  | Selective incorporation of rare earth elements by seaweeds from Cape Mondego, western Portuguese coast. <i>Science of the Total Environment</i> , <b>2021</b> , 795, 148860  | 10.2 | 2 |
| 4  | Evaluation of Sweat-Sampling Procedures for Human Stress-Biomarker Detection. <i>Analytical Journal of Analytical Chemistry and Chemical Analysis</i> , <b>2022</b> , 3, 178-194   | 1.4  | 2 |
| 3  | Bacterial Resistance. <i>Biochemistry &amp; Pharmacology: Open Access</i> , <b>2012</b> , 01,  |      | 1 |

- 2 Application of ED-XRF spectra for determination of macroelements in edible seaweeds. *Journal of Food Composition and Analysis*, **2022**, 110, 104559 4.1 1
- 1 HPLC-ESI-MS: An Useful Alternative to FAB-MS in the Analysis of Intact Resin Glycosides from Convolvulaceae Plants **2002**, 119-124