

# João Paulo da Costa de Noronha

## List of Publications by Year in descending order

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76  
papers

3,638  
citations

117453

34  
h-index

133063

59  
g-index

79  
all docs

79  
docs citations

79  
times ranked

5404  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quinoxaline, its derivatives and applications: A State of the Art review. <i>European Journal of Medicinal Chemistry</i> , 2015, 97, 664-672.	2.6	328
2	Ionic Liquids as Active Pharmaceutical Ingredients. <i>ChemMedChem</i> , 2011, 6, 975-985.	1.6	294
3	Photodegradation kinetics and transformation products of ketoprofen, diclofenac and atenolol in pure water and treated wastewater. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 516-527.	6.5	157
4	Molecular Motions in Amorphous Ibuprofen As Studied by Broadband Dielectric Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11087-11099.	1.2	152
5	Assessing the removal of pharmaceuticals and personal care products in a full-scale activated sludge plant. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1818-1827.	2.7	132
6	Biogenic platinum and palladium nanoparticles as new catalysts for the removal of pharmaceutical compounds. <i>Water Research</i> , 2017, 108, 160-168.	5.3	129
7	Metabolism and ecological niche of <i>Tetrasphaera</i> and <i>Ca. Accumilibacter</i> in enhanced biological phosphorus removal. <i>Water Research</i> , 2017, 122, 159-171.	5.3	124
8	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> , 2010, 62, 2862-2871.	1.2	114
9	Pesticides in water and the performance of the liquid-phase microextraction based techniques. A review. <i>Microchemical Journal</i> , 2010, 96, 225-237.	2.3	108
10	Development of novel ionic liquids based on ampicillin. <i>MedChemComm</i> , 2012, 3, 494.	3.5	105
11	Ecotoxicity of ketoprofen, diclofenac, atenolol and their photolysis byproducts in zebrafish ( <i>Danio rerio</i> ). <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1073-1081.	3.9	108
12	Evaluation of solubility and partition properties of ampicillin-based ionic liquids. <i>International Journal of Pharmaceutics</i> , 2013, 456, 553-559.	2.6	97
13	Antibacterial activity of Ionic Liquids based on ampicillin against resistant bacteria. <i>RSC Advances</i> , 2014, 4, 4301-4307.	1.7	93
14	Smart plastic antibody material (SPAM) tailored on disposable screen printed electrodes for protein recognition: Application to myoglobin detection. <i>Biosensors and Bioelectronics</i> , 2013, 45, 237-244.	5.3	86
15	Protein-responsive polymers for point-of-care detection of cardiac biomarker. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 123-132.	4.0	85
16	Electrochemical biosensor based on biomimetic material for myoglobin detection. <i>Electrochimica Acta</i> , 2013, 107, 481-487.	2.6	81
17	Assessing the diurnal variability of pharmaceutical and personal care products in a full-scale activated sludge plant. <i>Environmental Pollution</i> , 2011, 159, 2359-2367.	3.7	79
18	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> , 2011, 28, 243-250.	5.3	72

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19	A label-free DNA aptamer-based impedance biosensor for the detection of E. coli outer membrane proteins. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 766-772.	4.0	69
20	Antitumor Activity of Ionic Liquids Based on Ampicillin. <i>ChemMedChem</i> , 2015, 10, 1480-1483.	1.6	68
21	Isolation and characterization of a stress-inducible <i>Dunaliella salina</i> Lcy- $\beta$ gene encoding a functional lycopene $\beta$ -cyclase. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 819-28.	1.7	65
22	Antimicrobial activity of quinoxaline 1,4-dioxide with 2- and 3-substituted derivatives. <i>Microbiological Research</i> , 2014, 169, 287-293.	2.5	61
23	Sarcosine oxidase composite screen-printed electrode for sarcosine determination in biological samples. <i>Analytica Chimica Acta</i> , 2014, 850, 26-32.	2.6	56
24	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> , 2011, 26, 4760-4766.	5.3	55
25	Synthesis and Antibacterial Activity of Ionic Liquids and Organic Salts Based on Penicillin G and Amoxicillin hydrolysate Derivatives against Resistant Bacteria. <i>Pharmaceutics</i> , 2020, 12, 221.	2.0	55
26	Novel sensory surface for creatine kinase electrochemical detection. <i>Biosensors and Bioelectronics</i> , 2014, 56, 217-222.	5.3	54
27	Bioactivity studies and chemical profile of the antidiabetic plant <i>Genista tenera</i> . <i>Journal of Ethnopharmacology</i> , 2009, 122, 384-393.	2.0	51
28	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> , 2014, 132, 142-150.	2.6	51
29	A new lupene triterpenetriol and anticholinesterase activity of <i>Salvia sclareoides</i> . <i>FÄ-toterapÄ-Äç</i> , 2007, 78, 474-481.	1.1	47
30	Priority pesticides in sediments of European coastal lagoons: A review. <i>Marine Pollution Bulletin</i> , 2016, 112, 6-16.	2.3	45
31	Scavenging activity of aminoantipyridines against hydroxyl radical. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2258-2264.	2.6	42
32	Biodegradation of clofibric acid and identification of its metabolites. <i>Journal of Hazardous Materials</i> , 2012, 241-242, 182-189.	6.5	42
33	Flavored Waters: Influence of Ingredients on Antioxidant Capacity and Terpenoid Profile by HS-SPME/GC-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 5062-5072.	2.4	41
34	Microcystin-LR detection in water by the FabryÄ-rot interferometer using an optical fibre coated with a solÄ-gel imprinted sensing membrane. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3932-3937.	5.3	39
35	Umami taste in edible seaweeds: The current comprehension and perception. <i>International Journal of Gastronomy and Food Science</i> , 2021, 23, 100301.	1.3	34
36	Novel biosensing device for point-of-care applications with plastic antibodies grown on Au-screen printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 733-740.	4.0	31

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37	Biological treatment of propanil and 3,4-dichloroaniline: Kinetic and microbiological characterisation. <i>Water Research</i> , 2010, 44, 4980-4991.	5.3	30
38	Detection of cardiac biomarker proteins using a disposable based on a molecularly imprinted polymer grafted onto graphite. <i>Mikrochimica Acta</i> , 2015, 182, 975-983.	2.5	26
39	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> , 2013, 189, 21-29.	4.0	22
40	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> , 2019, 67, 4113-4144.	2.4	21
41	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> , 2016, 59, 1069-1078.	3.8	19
42	Adipocyte proteome and secretome influence inflammatory and hormone pathways in glioma. <i>Metabolic Brain Disease</i> , 2019, 34, 141-152.	1.4	17
43	Umami free amino acids in edible green, red, and brown seaweeds from the Portuguese seashore. <i>Journal of Applied Phycology</i> , 2020, 32, 3331-3339.	1.5	17
44	Screening of Potential Stress Biomarkers in Sweat Associated with Sports Training. <i>Sports Medicine - Open</i> , 2021, 7, 8.	1.3	17
45	Determination of total iodine content in edible seaweeds: Application of inductively coupled plasma-atomic emission spectroscopy. <i>Algal Research</i> , 2021, 53, 102149.	2.4	16
46	Use of In Vivo <sup>13</sup> C Nuclear Magnetic Resonance Spectroscopy To Elucidate <sup>13</sup> C-Arabinose Metabolism in Yeasts. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1845-1855.	1.4	15
47	17 $\beta$ -Ethinylestradiol and 17 $\beta$ -estradiol removal from a secondary urban wastewater using an RBC treatment system. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 320.	1.3	15
48	Texture, microstructure and volatile profile of structured guava using agar and gellan gum. <i>International Journal of Gastronomy and Food Science</i> , 2020, 20, 100207.	1.3	15
49	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> , 2015, 310, 189-196.	2.0	14
50	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> , 2018, 360, 117-124.	2.0	13
51	Pathways of priority pesticides in sediments of coastal lagoons: The case study of Alentejo Lagoon, Portugal. <i>Marine Pollution Bulletin</i> , 2016, 106, 335-340.	2.3	12
52	Determination of Microcystin-LR in waters in the subnanomolar range by sol-gel imprinted polymers on solid contact electrodes. <i>Analyst</i> , 2012, 137, 2437.	1.7	11
53	Propionate addition enhances the biodegradation of the xenobiotic herbicide propanil and its metabolite. <i>Bioresource Technology</i> , 2013, 127, 195-201.	4.8	11
54	Surface Imprinting Approach on Screen Printed Electrodes Coated with Carboxylated PVC for Myoglobin detection with Electrochemical Transduction. <i>Procedia Engineering</i> , 2012, 47, 865-868.	1.2	10

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55	LC-MS/MS methodology development and validation for the screening and quantification of five antibiotics in water. <i>Analytical Methods</i> , 2022, 14, 935-948.	1.3	10
56	Effects of ultrasonic irradiation and direct heating on extraction of priority pesticides from marine sediments. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 1638-1659.	1.8	8
57	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> , 2014, 67, 547-556.	2.1	8
58	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> , 2016, 223, 846-852.	4.0	8
59	A novel pentacyclic triterpene from <i>Leontodon filii</i> . <i>Fitorap</i> , 2005, 76, 173-180.	1.1	7
60	Recognition of vinification technology through gas chromatographic data on enantiomeric purity of free amino acids. <i>Fresenius' Journal of Analytical Chemistry</i> , 1995, 352, 783-787.	1.5	6
61	Application of ED-XRF spectra for determination of macroelements in edible seaweeds. <i>Journal of Food Composition and Analysis</i> , 2022, 110, 104559.	1.9	6
62	A new dihydroxysterol from the marine phytoplankton <i>Diacronema</i> sp.. <i>Fitorap</i> , 2005, 76, 433-438.	1.1	5
63	Selective incorporation of rare earth elements by seaweeds from Cape Mondego, western Portuguese coast. <i>Science of the Total Environment</i> , 2021, 795, 148860.	3.9	5
64	Sensors for the Detection and Quantification of Bacterial Contamination in Water for Human Use. <i>Advanced Engineering Materials</i> , 2010, 12, B175.	1.6	4
65	Evaluation of Sweat-Sampling Procedures for Human Stress-Biomarker Detection. <i>Analytica Journal of Analytical Chemistry and Chemical Analysis</i> , 2022, 3, 178-194.	0.8	4
66	The propagation of axisymmetric transverse waves along a thin-walled cylindrical pipe. <i>International Journal of Pressure Vessels and Piping</i> , 1996, 65, 109-116.	1.2	3
67	In Vitro Nitrosation of Insulin A- and B-Chains. <i>European Journal of Mass Spectrometry</i> , 2006, 12, 331-338.	0.5	3
68	Optical cavity fibre sensor for detection of microcystin-LR in water. , 2010, , .		3
69	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> , 2012, 47, 758-761.	1.2	3
70	Are seaweeds the food of the future? Challenges for its conservation and introduction in the Portuguese diet. <i>Annals of Medicine</i> , 2024, 51, 169-169.	1.5	2
71	Determination of target biogenic amines in fish by GC-MS: investigating seafood quality. <i>Annals of Medicine</i> , 2024, 51, 73-73.	1.5	2
72	Bacterial Resistance. <i>Biochemistry &amp; Pharmacology: Open Access</i> , 2012, 01, .	0.2	1

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73	Team-Based Learning in Chemistry Courses with Laboratory Sessions. , 0, , .		1
74	A long period grating-based platform for the detection of <i>E. coli</i> proteins. Proceedings of SPIE, 2013, , .	0.8	0
75	Assessment of fish quality: the Quality Index Method versus HPLC analysis in <i>Sarda sarda</i> (Bloch, 1793). Annals of Medicine, 2024, 51, 74-74.	1.5	0
76	HPLC-ESI-MS: An Useful Alternative to FAB-MS in the Analysis of Intact Resin Glycosides from Convolvulaceae Plants. , 2002, , 119-124.		0