Margarida Santos

List of Publications by Year
in descending order

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59 papers	1,196 citations	361045 20 h-index	414034 32 g-index
62 all docs	62 docs citations	62 times ranked	1745 citing authors

#	Article	IF	Citations
1	Enzymatic biotransformation of the azo dye Sudan Orange G with bacterial CotA-laccase. Journal of Biotechnology, 2009, 139, 68-77.	1.9	143
2	Behaviour and fate of metals in urban wastewater treatment plants: a review. International Journal of Environmental Science and Technology, 2016, 13, 359-386.	1.8	73
3	Speciation of Inorganic Arsenic in Natural Waters by Square-Wave Cathodic Stripping Voltammetry. Electroanalysis, 2001, 13, 1098-1104.	1.5	56
4	Bioavailability of cadmium and biochemical responses on the freshwater bivalve Corbicula fluminea â€“ the role of TiO2 nanoparticles. Ecotoxicology and Environmental Safety, 2014, 109, 161-168.	2.9	56
5	An in situ bioassay for estuarine environments using the microalga Phaeodactylum tricornutum. Environmental Toxicology and Chemistry, 2002, 21, 567-574.	2.2	55
6	Square-wave voltammetric techniques for determination of psychoactive 1,4-benzodiazepine drugs. Analytical and Bioanalytical Chemistry, 2002, 374, 1074-1081.	1.9	54
7	A nickel availability study in serpentinised areas of Portugal. Geoderma, 2011, 164, 155-163.	2.3	45
8	Electrochemical studies on small electron transfer proteins using membrane electrodes. Journal of Electroanalytical Chemistry, 2003, 541, 153-162.	1.9	40
9	Flow amperometric determination of pharmaceuticals with on-line electrode surface renewal. Journal of Pharmaceutical and Biomedical Analysis, 2003, 33, 571-580.	1.4	37
10	Nickel speciation in the xylem sap of the hyperaccumulator Alyssum serpyllifolium ssp. lusitanicum growing on serpentine soils of northeast Portugal. Journal of Plant Physiology, 2011, 168, 1715-1722.	1.6	37
11	Trace element contamination and availability in the Fildes Peninsula, King George Island, Antarctica. Environmental Sciences: Processes and Impacts, 2016, 18, 648-657.	1.7	37
12	Evaluating trace element bioavailability and potential transfer into marine food chains using immobilised diatom model species Phaeodactylum tricornutum, on King George Island, Antarctica. Marine Pollution Bulletin, 2017, 121, 192-200.	2.3	28
13	Copperâ€“Psychoactive Drug Complexes: A Voltammetric Approach to Complexation by 1,4-Benzodiazepines. Analytical Biochemistry, 2002, 303, 111-119.	1.1	26
14	Flow injection-assisted optical sensor for determination of iron(II) and iron(III) in natural water. Analytica Chimica Acta, 1997, 343, 191-197.	2.6	24
15	Binding of vanadium to human serum transferrin - voltammetric and spectrometric studies. Journal of Inorganic Biochemistry, 2018, 180, 211-221.	1.5	24
16	Voltammetric studies of purine bases and purine nucleosides with copper. Bioelectrochemistry, 1996, 39, 55-60.	1.0	23
17	Voltammetric behaviour of copper complexes with cytosine and its nucleoside. Bioelectrochemistry, 1998, 45, 267-273.	1.0	22
18	Study of CE mechanisms by square wave voltammetry: Cd(II) + nitrilotriacetic acid and Cd(II) + aspartic acid systems. Journal of Electroanalytical Chemistry, 1996, 413, 97-103.	1.9	21

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19	Identification of Antibiotics in Surface-Groundwater. A Tool towards the Ecopharmacovigilance Approach: A Portuguese Case-Study. Antibiotics, 2021, 10, 888.	1.5	21
20	Rapid pK measurements for multibasic weak acids by gradient flow injection titration. Analytica Chimica Acta, 1992, 258, 259-267.	2.6	20
21	Mediated catalysis of Paracoccus pantotrophus cytochrome c peroxidase by P. pantotrophus pseudoazurin: kinetics of intermolecular electron transfer. Journal of Biological Inorganic Chemistry, 2007, 12, 691-698.	1.1	20
22	Electroanalytical chemistry of cadmium complexes of amino acids at the ionic strength of seawater (0.70 M NaCLO4). Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1985, 187, 333-348.	0.3	19
23	Direct electrochemistry of the Desulfovibrio gigas aldehyde oxidoreductase. FEBS Journal, 2004, 271, 1329-1338.	0.2	18
24	Evaluation of measurement uncertainties for the determination of total metal content in soils by atomic absorption spectrometry. Accreditation and Quality Assurance, 2009, 14, 87-93.	0.4	18
25	Quality assurance program for the chemical characterization of soils. Accreditation and Quality Assurance, 2003, 8, 323-333.	0.4	16
26	Electrochemical studies on c-type cytochromes at microelectrodes. Journal of Electroanalytical Chemistry, 1999, 464, 76-84.	1.9	15
27	Thermodynamics of uptake of cadmium by Chlorella marina. Bioelectrochemistry, 1999, 48, 61-68.	1.0	12
28	Effect of the Peptidic Scaffold in Copper(II) Coordination and the Redox Properties of Short Histidineâ€Containing Peptides. Chemistry - A European Journal, 2015, 21, 13100-13111.	1.7	12
29	Electrochemical studies of rubredoxin from Desulfovibrio vulgaris at modified electrodes. Journal of Electroanalytical Chemistry, 2001, 501, 173-179.	1.9	11
30	Lead sorption to selected Portuguese soils. European Journal of Soil Science, 2007, 58, 854-863.	1.8	11
31	Electroanalytical chemistry of copper, lead and zinc complexes of amino acids at the ionic strength of		

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37	Improved voltammetric method for simultaneous determination of Pt and Rh using second derivative signal transformation â€“ application to environmental samples. Talanta, 2017, 175, 1-8.	2.9	10
38	Assessing variability in the ratio of metal concentrations measured by DGT-type passive samplers and spot sampling in European seawaters. Science of the Total Environment, 2021, 783, 147001.	3.9	10
39	An integrated gradient chamber and potentiometric detector for flow injection analysis. Analytica Chimica Acta, 1989, 226, 229-238.	2.6	9
40	Monitoring Hg and Cd Contamination Using Red Swamp Crayfish (Procambarus clarkii): Implications for Wetland Food Chain Contamination. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	9
41	Adsorption of Cadmium on Titanium Dioxide Nanoparticles in Freshwater Conditions â€“ A Chemodynamic Study. Electroanalysis, 2015, 27, 2439-2447.	1.5	9
42	An integrated gradient chamber and potentiometric detector for flow injection analysis. Analytica Chimica Acta, 1989, 226, 239-246.	2.6	8
43	Determination of stability constants by using normal pulse voltammetry at microelectrodes. Electrochimica Acta, 1993, 38, 1555-1558.	2.6	8
44	Kinetics of dissociation of copper(II)-proline complex by cyclic voltammetry with a NafionÂ®-coated electrode. Journal of Electroanalytical Chemistry, 1994, 364, 171-177.	1.9	7
45	A Voltammetric Study of the Complexation of Copper by the Psychoactive Compounds 1,4-Benzodiazepines. Electroanalysis, 2000, 12, 216-222.	1.5	7
46	Electrochemical oxidation of the synthetic anthocyanin analogue 4-methyl-7,8-dihydroxyflavylium salt. Journal of Electroanalytical Chemistry, 2009, 636, 60-67.	1.9	7
47	Induced peroxidase activity of haem containing nitrate reductases revealed by protein film electrochemistry. Journal of Electroanalytical Chemistry, 2013, 693, 105-113.	1.9	7
48	Metals concentrations in transitional and coastal waters by ICPMS and voltammetry analysis of spot samples and passive samplers (DGT). Marine Pollution Bulletin, 2022, 179, 113715.	2.3	7
49	Intraspecific Variation of Mercury Contamination in Chicks of Black-Winged Stilt (Himantopus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Contamination and Toxicology, 2004, 72, 437-444.	1.3	6
50	Determination of stability constants using a mercury microelectrode and steady-state voltammetry. Electrochimica Acta, 1992, 37, 1413-1416.	2.6	5
51	Redox chemistry of low-pH forms of tetrahemic cytochrome c3. Journal of Inorganic Biochemistry, 2006, 100, 2009-2016.	1.5	5
52	Dynamic Modelling of Nickel Complexation in Xylem Sap ofQuercus ilex: A Voltammetric Study. Electroanalysis, 2006, 18, 814-822.	1.5	5
53	Determination of nickel, calcium and magnesium in xylem sap by flame atomic absorption spectrometry using a microsampling technique. Phytochemical Analysis, 2009, 20, 365-371.	1.2	5
54	Analysis of the activation mechanism of Pseudomonas stutzeri cytochrome c peroxidase through an electron transfer chain. Journal of Biological Inorganic Chemistry, 2011, 16, 881-888.	1.1	5

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55	Benefits of membrane electrodes in the electrochemistry of metalloproteins: mediated catalysis of Paracoccus pantotrophus cytochrome c peroxidase by horse cytochrome c: a case study. Journal of Biological Inorganic Chemistry, 2008, 13, 779-787.	1.1	4
56	Cadmium and lead complexation by anodic stripping voltammetry with a mercury microelectrode. Electroanalysis, 1996, 8, 178-182.	1.5	3
57	Drivers of Rh and Pt variability in the water column of a hydrodynamic estuary: Effects of contrasting environments. Science of the Total Environment, 2021, 760, 143909.	3.9	3
58	Lead Adsorption on a Soil: A Polarographic Study. Electroanalysis, 2004, 16, 1024-1032.	1.5	2
59	Kinetics and Mechanism of Ni(II) Chelation in Model and Real Solutions of Xylem Sap of Quercus ilex. Electroanalysis, 2007, 19, 2351-2361.	1.5	1