

# Margarida Santos

## List of Publications by Year in descending order

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61  
papers

1,196  
citations

361413

20  
h-index

414414

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. <i>Journal of Biotechnology</i> , 2009, 139, 68-77.	3.8	143
2	Behaviour and fate of metals in urban wastewater treatment plants: a review. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 359-386.	3.5	73
3	Speciation of Inorganic Arsenic in Natural Waters by Square-Wave Cathodic Stripping Voltammetry. <i>Electroanalysis</i> , 2001, 13, 1098-1104.	2.9	56
4	Bioavailability of cadmium and biochemical responses on the freshwater bivalve <i>Corbicula fluminea</i> – the role of TiO <sub>2</sub> nanoparticles. <i>Ecotoxicology and Environmental Safety</i> , 2014, 109, 161-168.	6.0	56
5	An in situ bioassay for estuarine environments using the microalga <i>Phaeodactylum tricornutum</i> . <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 567-574.	4.3	55
6	Square-wave voltammetric techniques for determination of psychoactive 1,4-benzodiazepine drugs. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 1074-1081.	3.7	54
7	A nickel availability study in serpentinised areas of Portugal. <i>Geoderma</i> , 2011, 164, 155-163.	5.1	45
8	Electrochemical studies on small electron transfer proteins using membrane electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2003, 541, 153-162.	3.8	40
9	Flow amperometric determination of pharmaceuticals with on-line electrode surface renewal. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 33, 571-580.	2.8	37
10	Nickel speciation in the xylem sap of the hyperaccumulator <i>Alyssum serpyllifolium</i> ssp. <i>lusitanicum</i> growing on serpentine soils of northeast Portugal. <i>Journal of Plant Physiology</i> , 2011, 168, 1715-1722.	3.5	37
11	Trace element contamination and availability in the Fildes Peninsula, King George Island, Antarctica. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 648-657.	3.5	37
12	Evaluating trace element bioavailability and potential transfer into marine food chains using immobilised diatom model species <i>Phaeodactylum tricornutum</i> , on King George Island, Antarctica. <i>Marine Pollution Bulletin</i> , 2017, 121, 192-200.	5.0	28
13	Copper- Psychoactive Drug Complexes: A Voltammetric Approach to Complexation by 1,4-Benzodiazepines. <i>Analytical Biochemistry</i> , 2002, 303, 111-119.	2.4	26
14	Flow injection-assisted optical sensor for determination of iron(II) and iron(III) in natural water. <i>Analytica Chimica Acta</i> , 1997, 343, 191-197.	5.4	24
15	Binding of vanadium to human serum transferrin - voltammetric and spectrometric studies. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 211-221.	3.5	24
16	Voltammetric studies of purine bases and purine nucleosides with copper. <i>Bioelectrochemistry</i> , 1996, 39, 55-60.	1.0	23
17	Voltammetric behaviour of copper complexes with cytosine and its nucleoside. <i>Bioelectrochemistry</i> , 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. <i>Journal of Electroanalytical Chemistry</i> , 1996, 413, 97-103.	3.8	21

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19	Identification of Antibiotics in Surface-Groundwater. A Tool towards the Ecopharmacovigilance Approach: A Portuguese Case-Study. <i>Antibiotics</i> , 2021, 10, 888.	3.7	21
20	Rapid pK measurements for multibasic weak acids by gradient flow injection titration. <i>Analytica Chimica Acta</i> , 1992, 258, 259-267.	5.4	20
21	Mediated catalysis of <i>Paracoccus pantotrophus</i> cytochrome c peroxidase by <i>P. pantotrophus</i> pseudoazurin: kinetics of intermolecular electron transfer. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 691-698.	2.6	20
22	Electroanalytical chemistry of cadmium complexes of amino acids at the ionic strength of seawater (0.70 M NaClO <sub>4</sub> ). <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 187, 333-348.	0.1	19
23	Direct electrochemistry of the <i>Desulfovibrio gigas</i> aldehyde oxidoreductase. <i>FEBS Journal</i> , 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. <i>Accreditation and Quality Assurance</i> , 2009, 14, 87-93.	0.8	18
25	Quality assurance program for the chemical characterization of soils. <i>Accreditation and Quality Assurance</i> , 2003, 8, 323-333.	0.8	16
26	Electrochemical studies on c-type cytochromes at microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 1999, 464, 76-84.	3.8	15
27	Thermodynamics of uptake of cadmium by <i>Chlorella marina</i> . <i>Bioelectrochemistry</i> , 1999, 48, 61-68.	1.0	12
28	Effect of the Peptidic Scaffold in Copper(II) Coordination and the Redox Properties of Short Histidine-Containing Peptides. <i>Chemistry - A European Journal</i> , 2015, 21, 13100-13111.	3.3	12
29	Electrochemical studies of rubredoxin from <i>Desulfovibrio vulgaris</i> at modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2001, 501, 173-179.	3.8	11
30	Lead sorption to selected Portuguese soils. <i>European Journal of Soil Science</i> , 2007, 58, 854-863.	3.9	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 – application to environmental samples. <i>Talanta</i> , 2017, 175, 1-8.	5.5	10
38	Assessing variability in the ratio of metal concentrations measured by DGT-type passive samplers and spot sampling in European seawaters. <i>Science of the Total Environment</i> , 2021, 783, 147001.	8.0	10
39	An integrated gradient chamber and potentiometric detector for flow injection analysis. <i>Analytica Chimica Acta</i> , 1989, 226, 229-238.	5.4	9
40	Monitoring Hg and Cd Contamination Using Red Swamp Crayfish ( <i>Procambarus clarkii</i> ): Implications for Wetland Food Chain Contamination. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	9
41	Adsorption of Cadmium on Titanium Dioxide Nanoparticles in Freshwater Conditions – A Chemodynamic Study. <i>Electroanalysis</i> , 2015, 27, 2439-2447.	2.9	9
42	An integrated gradient chamber and potentiometric detector for flow injection analysis. <i>Analytica Chimica Acta</i> , 1989, 226, 239-246.	5.4	8
43	Determination of stability constants by using normal pulse voltammetry at microelectrodes. <i>Electrochimica Acta</i> , 1993, 38, 1555-1558.	5.2	8
44	Kinetics of dissociation of copper(II)-proline complex by cyclic voltammetry with a Nafion®-coated electrode. <i>Journal of Electroanalytical Chemistry</i> , 1994, 364, 171-177.	3.8	7
45	A Voltammetric Study of the Complexation of Copper by the Psychoactive Compounds 1,4-Benzodiazepines. <i>Electroanalysis</i> , 2000, 12, 216-222.	2.9	7
46	Electrochemical oxidation of the synthetic anthocyanin analogue 4-methyl-7,8-dihydroxyflavylium salt. <i>Journal of Electroanalytical Chemistry</i> , 2009, 636, 60-67.	3.8	7
47	Induced peroxidase activity of haem containing nitrate reductases revealed by protein film electrochemistry. <i>Journal of Electroanalytical Chemistry</i> , 2013, 693, 105-113.	3.8	7
48	Metals concentrations in transitional and coastal waters by ICPMS and voltammetry analysis of spot samples and passive samplers (DGT). <i>Marine Pollution Bulletin</i> , 2022, 179, 113715.	5.0	7
49	Intraspecific Variation of Mercury Contamination in Chicks of Black-Winged Stilt ( <i>Himantopus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Contamination and Toxicology, 2004, 72, 437-444.	2.7	6
50	Determination of stability constants using a mercury microelectrode and steady-state voltammetry. <i>Electrochimica Acta</i> , 1992, 37, 1413-1416.	5.2	5
51	Redox chemistry of low-pH forms of tetrahemic cytochrome c3. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 2009-2016.	3.5	5
52	Dynamic Modelling of Nickel Complexation in Xylem Sap of <i>Quercus ilex</i> : A Voltammetric Study. <i>Electroanalysis</i> , 2006, 18, 814-822.	2.9	5
53	Determination of nickel, calcium and magnesium in xylem sap by flame atomic absorption spectrometry using a microsampling technique. <i>Phytochemical Analysis</i> , 2009, 20, 365-371.	2.4	5
54	Analysis of the activation mechanism of <i>Pseudomonas stutzeri</i> cytochrome c peroxidase through an electron transfer chain. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 881-888.	2.6	5

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55	Benefits of membrane electrodes in the electrochemistry of metalloproteins: mediated catalysis of <i>Paracoccus pantotrophus</i> cytochrome c peroxidase by horse cytochrome c: a case study. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 779-787.	2.6	4
56	Cadmium and lead complexation by anodic stripping voltammetry with a mercury microelectrode. <i>Electroanalysis</i> , 1996, 8, 178-182.	2.9	3
57	Drivers of Rh and Pt variability in the water column of a hydrodynamic estuary: Effects of contrasting environments. <i>Science of the Total Environment</i> , 2021, 760, 143909.	8.0	3
58	Lead Adsorption on a Soil: A Polarographic Study. <i>Electroanalysis</i> , 2004, 16, 1024-1032.	2.9	2
59	Kinetics and Mechanism of Ni(II) Chelation in Model and Real Solutions of Xylem Sap of <i>Quercus ilex</i> . <i>Electroanalysis</i> , 2007, 19, 2351-2361.	2.9	1
60	Determination of stability constants of quasi-reversible systems Copper chlorocomplexes in seawater conditions. <i>Journal of Electroanalytical Chemistry</i> (1959), 1983, 143, 397-411.	0.1	0
61	Cadmium complexes of aminoacids in seawater conditions. <i>Journal of Electroanalytical Chemistry</i> (1959), 1984, 163, 315-326.	0.1	0