

# Teresa Pinheiro

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3274741/teresa-pinheiro-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99  
papers

1,464  
citations

20  
h-index

34  
g-index

109  
ext. papers

1,649  
ext. citations

3  
avg, IF

4.23  
L-index

#	Paper	IF	Citations
99	Stratum corneum is an effective barrier to TiO <sub>2</sub> and ZnO nanoparticle percutaneous absorption. <i>Skin Pharmacology and Physiology</i> , <b>2009</b> , 22, 266-75	3	157
98	Response of antioxidant enzymes in freshwater fish populations ( <i>Leuciscus alburnoides</i> complex) to inorganic pollutants exposure. <i>Science of the Total Environment</i> , <b>2001</b> , 280, 153-63	10.2	116
97	Cellular ultrastructural studies and biological effects of copper complexes of phenanthroline derivatives. <i>Annals of Medicine</i> , <b>2019</b> , 51, 36-36	1.5	78
96	Is there penetration of titania nanoparticles in sunscreens through skin? A comparative electron and ion microscopy study. <i>Nanotoxicology</i> , <b>2008</b> , 2, 218-231	5.3	60
95	Analysis of human teeth and bones from the chalcolithic period by X-ray spectrometry. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2000</b> , 168, 559-565	1.2	53
94	The influence of corneocyte structure on the interpretation of permeation profiles of nanoparticles across skin. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2007</b> , 260, 119-123	1.2	52
93	Systemic markers of the redox balance in chronic obstructive pulmonary disease. <i>Biomarkers</i> , <b>2004</b> , 9, 461-9	2.6	49
92	A review of critical factors for assessing the dermal absorption of metal oxide nanoparticles from sunscreens applied to humans, and a research strategy to address current deficiencies. <i>Archives of Toxicology</i> , <b>2015</b> , 89, 1909-30	5.8	41
91	Elemental characterization of tissues of <i>Octopus vulgaris</i> along the Portuguese coast. <i>Science of the Total Environment</i> , <b>2005</b> , 345, 41-9	10.2	38
90	New Cu(II) complexes with pyrazolyl derived Schiff base ligands: Synthesis and biological evaluation. <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 174, 63-75	4.2	36
89	Fifteen years of nuclear techniques application to suspended particulate matter studies. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2013</b> , 297, 347-356	1.5	36
88	Nuclear microscopy: a tool for imaging elemental distribution and percutaneous absorption in vivo. <i>Microscopy Research and Technique</i> , <b>2007</b> , 70, 302-9	2.8	32
87	Hepatic elemental contents and antioxidant enzyme activities in Algerian mice ( <i>Mus spretus</i> ) inhabiting a mine area in central Portugal. <i>Science of the Total Environment</i> , <b>2003</b> , 311, 101-9	10.2	27
86	Skin morphology and layer identification using different STIM geometries. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2005</b> , 231, 292-299	1.2	25
85	Modifications in <i>Crassostrea gigas</i> shell composition exposed to high concentrations of lead. <i>Aquatic Toxicology</i> , <b>1998</b> , 40, 323-334	5.1	24
84	Copper Complexes with 1,10-Phenanthroline Derivatives: Underlying Factors Affecting Their Cytotoxicity. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 9116-9134	5.1	23
83	Quality assurance of X-ray spectrometry for chemical analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2001</b> , 56, 2095-2106	3.1	23

82	Metallothionein levels in Algerian mice ( <i>Mus spretus</i> ) exposed to elemental pollution: an ecophysiological approach. <i>Chemosphere</i> , <b>2008</b> , 71, 1340-7	8.4	22
81	Influence of age, sex, and sexual activity on trace element levels and antioxidant enzyme activities in field mice ( <i>Apodemus sylvaticus</i> and <i>Mus spretus</i> ). <i>Biological Trace Element Research</i> , <b>2002</b> , 85, 227-39 <sup>4.5</sup>	4.5	22
80	Microprobe analysis of teeth by synchrotron radiation: environmental contamination. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1999</b> , 158, 393-398	1.2	22
79	Characterization of dust material emitted during harbour activities by k0-INAA and PIXE. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2012</b> , 291, 77-82	1.5	19
78	L-shell X-ray production cross sections for PIXE analysis of elements from Ag to U. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1986</b> , 15, 595-597	1.2	19
77	Imaging of intracellular metal partitioning in marine diatoms exposed to metal pollution: consequences to cellular toxicity and metal fate in the environment. <i>Metallomics</i> , <b>2014</b> , 6, 1626-31	4.5	18
76	An assessment of time-dependent effects of lead exposure in algerian mice ( <i>Mus spretus</i> ) using different methodological approaches. <i>Biological Trace Element Research</i> , <b>2006</b> , 109, 75-90	4.5	17
75	Applications in medicine using the new Lund microprobe. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1993</b> , 77, 287-293	1.2	17
74	Distribution of bismuth in the rat after oral dosing with ranitidine bismuth citrate and bismuth subcitrate. <i>Journal of Pharmacy and Pharmacology</i> , <b>1998</b> , 50, 279-83	4.8	16
73	Changes of soluble CD40 ligand in the progression of acute myocardial infarction associate to endothelial nitric oxide synthase polymorphisms and vascular endothelial growth factor but not to platelet CD62P expression. <i>Translational Research</i> , <b>2015</b> , 166, 650-9	11	15
72	Assessment of exposure to metals in lead processing industries. <i>International Journal of Hygiene and Environmental Health</i> , <b>2013</b> , 216, 17-24	6.9	15
71	Amalgam components drift in teeth-toxicity risks: A preliminary approach. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1998</b> , 136-138, 913-918	1.2	15
70	Therapeutic potential of vanadium complexes with 1,10-phenanthroline ligands, quo vadis? Fate of complexes in cell media and cancer cells. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 217, 111350	4.2	15
69	Use of micro-PIXE in the study of arsenate uptake in lichens and its influence on element distribution and concentrations. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2007</b> , 260, 245-253 <sup>1.2</sup>	1.2	13
68	Applicability of microwave acid digestion to sample preparation of biological materials for analysis by particle-induced X-ray emission (PIXE). <i>Biological Trace Element Research</i> , <b>1990</b> , 26-27, 589-97	4.5	13
67	Variations in inflammatory markers in acute myocardial infarction: a longitudinal study. <i>Revista Portuguesa De Cardiologia</i> , <b>2007</b> , 26, 1357-63	1	13
66	Gold(III) bis(dithiolene) complexes: from molecular conductors to prospective anticancer, antimicrobial and antiplasmodial agents. <i>Metallomics</i> , <b>2020</b> , 12, 974-987	4.5	11
65	Prognostic value of VEGF in patients submitted to percutaneous coronary intervention. <i>Disease Markers</i> , <b>2014</b> , 2014, 135357	3.2	11

64	Biomarkers of exposure to metal dust in exhaled breath condensate: methodology optimization. <i>Archives of Environmental and Occupational Health</i> , <b>2013</b> , 68, 72-9	2	11
63	Elemental distributions in femoral bone of rat under osteoporosis preventive treatments. <i>Journal of Microscopy</i> , <b>2006</b> , 224, 298-305	1.9	11
62	Morphologic characterisation and elemental distribution of Octopus vulgaris Cuvier, 1797 vestigial shell. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2005</b> , 231, 345-349	1.2	11
61	Pt-Fe ferrocenyl compounds with hydroxyquinoline ligands show selective cytotoxicity on highly proliferative cells. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 199, 110779	4.2	10
60	Protein profiling as early detection biomarkers for TiO nanoparticle toxicity in Daphnia magna. <i>Ecotoxicology</i> , <b>2018</b> , 27, 430-439	2.9	9
59	Exhaled breath condensate as a biomonitor for metal exposure: a new analytical challenge. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2013</b> , 297, 377-382	1.5	9
58	Distribution and quantitation of skin iron in primary haemochromatosis: correlation with total body iron stores in patients undergoing phlebotomy. <i>Acta Dermato-Venereologica</i> , <b>2014</b> , 94, 14-9	2.2	9
57	Using the exhaled breath condensate as a tool for non-invasive evaluation of pollutant exposure. <i>International Journal of Environment and Health</i> , <b>2010</b> , 4, 293	1.3	9
56	The suitability of EBC-Pb as a new biomarker to assess occupational exposure to lead. <i>International Journal of Environmental Health Research</i> , <b>2015</b> , 25, 67-80	3.6	8
55	Nuclear microscopy as a tool in TiO <sub>2</sub> nanoparticles bioaccumulation studies in aquatic species. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 306, 117-120	1.2	8
54	INAA and PIXE characterization of heavy metals and rare earth elements emissions from phosphorite handling in harbours. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2012</b> , 294, 277-281	1.5	8
53	Micro-scale elemental distribution in the thallus of <i>Flavoparmelia caperata</i> transplanted to polluted site. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2009</b> , 281, 205-210	1.5	8
52	k0-INAA performance in the measurement of filters sampled in an industry with high loadings of metals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 622, 453-455	1.2	8
51	A view on elemental distribution alterations of coronary artery walls in atherogenesis. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1995</b> , 104, 344-350	1.2	8
50	Antitumour and Toxicity Evaluation of a Ru(II)-Cyclopentadienyl Complex in a Prostate Cancer Model by Imaging Tools. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2019</b> , 19, 1262-1275	2.2	8
49	Size-Dependent Biological Activities of Fluorescent Organosilane-Modified Zinc Oxide Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , <b>2020</b> , 16, 137-152	4	8
48	Antiproliferative Activity of Functionalized Histidine-derived Au(I) bis-NHC Complexes for Bioconjugation. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 2754-2762	4.5	7
47	Particulate matter in exhaled breath condensate: A promising indicator of environmental conditions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2011</b> , 269, 2404-2408	1.2	7

46	Elemental composition in sediments and water in the Trancō river basin. A preliminary study. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1998</b> , 136-138, 1005-1012	1.2	7
45	Myocardial infarction before and after the age of 45: Possible role of platelet receptor polymorphisms. <i>Revista Portuguesa De Cardiologia</i> , <b>2018</b> , 37, 727-735	1	7
44	3D map distribution of metallic nanoparticles in whole cells using MeV ion microscopy. <i>Journal of Microscopy</i> , <b>2017</b> , 267, 227-236	1.9	6
43	Consequences of a fat diet in the distribution of minerals within pancreatic tissues of rats and rabbits. <i>Microscopy and Microanalysis</i> , <b>2012</b> , 18, 1060-6	0.5	6
42	Using skin to assess iron accumulation in human metabolic disorders. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2006</b> , 249, 697-701	1.2	6
41	Analysis of a Roman Centaurus from Canas de[Senhorim (Portugal)-Comparative study using EDXRF and SXRF. <i>European Physical Journal Special Topics</i> , <b>2003</b> , 104, 523-526		6
40	Effect of hormone replacement therapy on the elemental contents of uterine tissue. <i>Biological Trace Element Research</i> , <b>2004</b> , 101, 37-46	4.5	6
39	Imaging and quantification of trace metals in thin biological specimens using microprobe techniques: Synchrotron induced X-ray fluorescence microprobe and nuclear microprobe. <i>European Physical Journal Special Topics</i> , <b>2003</b> , 104, 321-324		6
38	Stratification of ST-elevation myocardial infarction patients based on soluble CD40L longitudinal changes. <i>Translational Research</i> , <b>2016</b> , 176, 95-104	11	6
37	Microdistribution of major to trace elements between roots of <i>Halimione portulacoides</i> and host sediments (Tagus estuary marsh, Portugal). <i>Plant and Soil</i> , <b>2014</b> , 376, 129-137	4.2	5
36	PIXE studies of osteoporosis preventive treatments. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2002</b> , 189, 431-436	1.2	5
35	In vitro toxicity of indoor and outdoor PM from residential wood combustion. <i>Science of the Total Environment</i> , <b>2021</b> , 782, 146820	10.2	5
34	Modelling the uptake of suspended materials and salts in nearshore waters by plastics using nuclear microscopy and depth profiling analytical tools. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2019</b> , 451, 127-134	1.2	4
33	Micro-scale elemental partition in tissues of the aquatic plant <i>Lemna minor</i> L. exposed to highway drainage water. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 306, 150-152	1.2	4
32	Systemic markers of the redox balance and apolipoprotein E polymorphism in atherosclerosis: the relevance for an integrated study. <i>Biological Trace Element Research</i> , <b>2006</b> , 112, 57-75	4.5	4
31	Brain trace element alterations in atherosclerosis. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1990</b> , 49, 191-194	1.2	4
30	Prognostic evaluation of soluble CD40L in acute myocardial infarction: is not fancy, is science!. <i>Annals of Translational Medicine</i> , <b>2017</b> , 5, 90	3.2	4
29	Mechanisms underlying the cytotoxic activity of syn/anti-isomers of dinuclear Au(I) NHC complexes. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 203, 112576	6.8	4

28	Using nuclear microscopy to characterize the interaction of textile-used silver nanoparticles with a biological wastewater treatment system. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2017</b> , 404, 150-154	1.2	3
27	T lymphocytes alterations are associated with oxidized LDL, troponin T, white blood cells and C-reactive protein during acute myocardial infarction. <i>Clinical Hemorheology and Microcirculation</i> , <b>2013</b> , 55, 349-58	2.5	3
26	Clastogenic plasma factors in psoriasis--comparison of phototherapy and anti-TNF- $\alpha$ treatments. <i>Photochemistry and Photobiology</i> , <b>2011</b> , 87, 1427-32	3.6	3
25	X-ray tomography as a complementary technique to nuclear microscopy for biomedical applications. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2009</b> , 267, 2103-2106	1.2	3
24	Biological monitoring of toxic metals in steel workers respiratory health survey. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1999</b> , 150, 185-192	1.2	3
23	Pollution assessment in the Tranc $\tilde{u}$ river basin (Portugal) by PIXE, EDXRF and isotopic analysis. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1999</b> , 150, 306-311	1.2	3
22	Airborne particulate matter localisation in the human respiratory system. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1999</b> , 158, 499-504	1.2	3
21	Trace element changes in cardiovascular diseases. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1993</b> , 75, 160-164	1.2	3
20	Changes of the elemental distributions in marine diatoms as a reporter of sample preparation artefacts. A nuclear microscopy application. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2015</b> , 348, 265-268	1.2	2
19	Imaging iron in skin and liver: Non-invasive tools for hemochromatosis therapy. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2009</b> , 267, 2140-2143	1.2	2
18	Mobilisation of toxic elements in the human respiratory system. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2001</b> , 181, 499-505	1.2	2
17	Experimental investigations into sample preparation of Alzheimer tissue specimens for nuclear microprobe analysis. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1991</b> , 54, 186-190	1.2	2
16	Sono-Biosynthesis and Characterization of AuNPs from Danube Delta Root Extracts and Their Biological Properties. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
15	Soluble CD40 ligand expression in stable atherosclerosis: A systematic review and meta-analysis. <i>Atherosclerosis</i> , <b>2021</b> , 319, 86-100	3.1	2
14	The Proinflammatory Soluble CD40 Ligand Is Associated with the Systemic Extent of Stable Atherosclerosis. <i>Medicina (Lithuania)</i> , <b>2021</b> , 57,	3.1	2
13	Myocardial infarction before and after the age of 45: Possible role of platelet receptor polymorphisms. <i>Revista Portuguesa De Cardiologia (English Edition)</i> , <b>2018</b> , 37, 727-735	0	2
12	Impact of inflammation on iron stores in involved and non-involved psoriatic skin. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2015</b> , 348, 119-122	1.2	1
11	Chemical profile of fugitive particulate emissions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2014</b> , 300, 653-661	1.5	1

10	Changes of iron concentrations in skin and plasma of patients with hemochromatosis along therapy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2009</b> , 281, 161-164	1.5	1
9	Iron deposition in skin of patients with haemochromatosis. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2003</b> , 210, 373-377	1.2	1
8	Dyspepsia treatment with Al compounds widely used in clinical practice in an animal model approach. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1996</b> , 109-110, 318-322	1.2	1
7	Inflammation is associated with the presence and severity of chronic coronary syndrome through soluble CD40 ligand. <i>American Journal of Cardiovascular Disease</i> , <b>2020</b> , 10, 329-339	0.9	1
6	Air Quality in Metal Industries. <i>Comprehensive Analytical Chemistry</i> , <b>2016</b> , 731-764	1.9	1
5	In vitro toxicity of particulate matter emissions from residential pellet combustion.. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 115, 215-226	6.4	0
4	Elemental mapping inventory of the fish <i>Liza aurata</i> brain: a biomarker of metal pollution vulnerability. <i>Metallomics</i> , <b>2015</b> , 7, 277-82	4.5	
3	T lymphocytes alterations are associated with oxidized LDL, troponin T, white blood cells and C-reactive protein during acute myocardial infarction. <i>Clinical Hemorheology and Microcirculation</i> , <b>2014</b> , 56, 57-66	2.5	
2	BIOLOGICAL AND MEDICAL APPLICATIONS OF PIXE. <i>International Journal of PIXE</i> , <b>2008</b> , 18, 77-89	0.1	
1	Redox balance and blood elemental levels in atherosclerosis. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2006</b> , 249, 702-705	1.2	