Teresa Pinheiro

List of Publications by Year
in descending order

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105	1,742	304602	330025
papers	citations	22 h-index	37 g-index

110	110	110	2316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stratum Corneum Is an Effective Barrier to TiO₂ and ZnO Nanoparticle Percutaneous Absorption. Skin Pharmacology and Physiology, 2009, 22, 266-275.	1.1	187
2	Response of antioxidant enzymes in freshwater fish populations (Leuciscus alburnoides complex) to inorganic pollutants exposure. Science of the Total Environment, 2001, 280, 153-163.	3.9	137
3	Is there penetration of titania nanoparticles in sunscreens through skin? A comparative electron and ion microscopy study. Nanotoxicology, 2008, 2, 218-231.	1.6	68
4	Analysis of human teeth and bones from the chalcolithic period by X-ray spectrometry. Nuclear Instruments & Methods in Physics Research B, 2000, 168, 559-565.	0.6	61
5	The influence of corneocyte structure on the interpretation of permeation profiles of nanoparticles across skin. Nuclear Instruments & Methods in Physics Research B, 2007, 260, 119-123.	0.6	57
6	Systemic markers of the redox balance in chronic obstructive pulmonary disease. Biomarkers, 2004, 9, 461-469.	0.9	55
7	Copper Complexes with 1,10-Phenanthroline Derivatives: Underlying Factors Affecting Their Cytotoxicity. Inorganic Chemistry, 2020, 59, 9116-9134.	1.9	55
8	New Cu(II) complexes with pyrazolyl derived Schiff base ligands: Synthesis and biological evaluation. Journal of Inorganic Biochemistry, 2017, 174, 63-75.	1.5	54
9	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. Archives of Toxicology, 2015, 89, 1909-1930.	1.9	50
10	Elemental characterization of tissues of Octopus vulgaris along the Portuguese coast. Science of the Total Environment, 2005, 345, 41-49.	3.9	41
11	Fifteen years of nuclear techniques application to suspended particulate matter studies. Journal of Radioanalytical and Nuclear Chemistry, 2013, 297, 347-356.	0.7	39
12	Therapeutic potential of vanadium complexes with 1,10-phenanthroline ligands, quo vadis? Fate of complexes in cell media and cancer cells. Journal of Inorganic Biochemistry, 2021, 217, 111350.	1.5	38
13	Nuclear microscopy: A tool for imaging elemental distribution and percutaneous absorption in vivo. Microscopy Research and Technique, 2007, 70, 302-309.	1.2	36
14	Hepatic elemental contents and antioxidant enzyme activities in Algerian mice (Mus spretus) inhabiting a mine area in central Portugal. Science of the Total Environment, 2003, 311, 101-109.	3.9	31
15	Quality assurance of X-ray spectrometry for chemical analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 2095-2106.	1.5	30
16	Microprobe analysis of teeth by synchrotron radiation: environmental contamination. Nuclear Instruments & Methods in Physics Research B, 1999, 158, 393-398.	0.6	28
17	Skin morphology and layer identification using different STIM geometries. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 292-299.	0.6	28
18	Modifications in Crassostrea gigas shell composition exposed to high concentrations of lead. Aquatic Toxicology, 1998, 40, 323-334.	1.9	26

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19	Influence of Age, Sex, and Sexual Activity on Trace Element Levels and Antioxidant Enzyme Activities in Field Mice (Apodemus sylvaticus and Mus spretus). Biological Trace Element Research, 2002, 85, 227-239.	1.9	25
20	Metallothionein levels in Algerian mice (Mus spretus) exposed to elemental pollution: An ecophysiological approach. Chemosphere, 2008, 71, 1340-1347.	4.2	24
21	Gold(<scp>iii</scp>) bis(dithiolene) complexes: from molecular conductors to prospective anticancer, antimicrobial and antiplasmodial agents. Metallomics, 2020, 12, 974-987.	1.0	23
22	Characterization of dust material emitted during harbour activities by k0-INAA and PIXE. Journal of Radioanalytical and Nuclear Chemistry, 2012, 291, 77-82.	0.7	22
23	Imaging of intracellular metal partitioning in marine diatoms exposed to metal pollution: consequences to cellular toxicity and metal fate in the environment. Metallomics, 2014, 6, 1626.	1.0	22
24	An Assessment of Time-Dependent Effects of Lead Exposure in Algerian Mice (Mus spretus) Using Different Methodological Approaches. Biological Trace Element Research, 2006, 109, 075-090.	1.9	21
25	L-shell X-ray production cross sections for PIXE analysis of elements from Ag to U. Nuclear Instruments & Methods in Physics Research B, 1986, 15, 595-597.	0.6	19
26	Applications in medicine using the new Lund microprobe. Nuclear Instruments & Methods in Physics Research B, 1993, 77, 287-293.	0.6	19
27	Applicability of microwave acid digestion to sample preparation of biological materials for analysis by particle-induced X-ray emission (PIXE). Biological Trace Element Research, 1990, 26-27, 589-597.	1.9	17
28	Assessment of exposure to metals in lead processing industries. International Journal of Hygiene and Environmental Health, 2013, 216, 17-24.	2.1	17
29	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. Translational Research, 2015, 166, 650-659.	2.2	17
30	In vitro toxicity of indoor and outdoor PM10 from residential wood combustion. Science of the Total Environment, 2021, 782, 146820.	3.9	17
31	Amalgam components drift in teeth-toxicity risks: A preliminary approach. Nuclear Instruments & Methods in Physics Research B, 1998, 136-138, 913-918.	0.6	16
32	Use of micro-PIXE in the study of arsenate uptake in lichens and its influence on element distribution and concentrations. Nuclear Instruments & Methods in Physics Research B, 2007, 260, 245-253.	0.6	16
33	Distribution of Bismuth in the Rat after Oral Dosing with Ranitidine Bismuth Citrate and Bismuth Subcitrate. Journal of Pharmacy and Pharmacology, 2011, 50, 279-283.	1.2	16
34	Prognostic Value of VEGF in Patients Submitted to Percutaneous Coronary Intervention. Disease Markers, 2014, 2014, 1-7.	0.6	16
35	Pt-Fe ferrocenyl compounds with hydroxyquinoline ligands show selective cytotoxicity on highly proliferative cells. Journal of Inorganic Biochemistry, 2019, 199, 110779.	1.5	16
36	Size-Dependent Biological Activities of Fluorescent Organosilane-Modified Zinc Oxide Nanoparticles. Journal of Biomedical Nanotechnology, 2020, 16, 137-152.	0.5	15

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37	Antiproliferative Activity of Functionalized Histidineâ€derived Au(I) bis â€NHC Complexes for Bioconjugation. Chemistry - an Asian Journal, 2020, 15, 2754-2762.	1.7	15
38	Variations in inflammatory markers in acute myocardial infarction: a longitudinal study. Revista Portuguesa De Cardiologia, 2007, 26, 1357-63.	0.2	15
39	Protein profiling as early detection biomarkers for TiO2 nanoparticle toxicity in Daphnia magna. Ecotoxicology, 2018, 27, 430-439.	1.1	14
40	Mechanisms underlying the cytotoxic activity of syn/anti-isomers of dinuclear Au(I) NHC complexes. European Journal of Medicinal Chemistry, 2020, 203, 112576.	2.6	13
41	Antitumour and Toxicity Evaluation of a Ru(II)-Cyclopentadienyl Complex in a Prostate Cancer Model by Imaging Tools. Anti-Cancer Agents in Medicinal Chemistry, 2019, 19, 1262-1275.	0.9	13
42	Morphologic characterisation and elemental distribution of Octopus vulgaris Cuvier, 1797 vestigial shell. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 345-349.	0.6	12
43	Elemental distributions in femoral bone of rat under osteoporosis preventive treatments. Journal of Microscopy, 2006, 224, 298-305.	0.8	11
44	Biomarkers of Exposure to Metal Dust in Exhaled Breath Condensate: Methodology Optimization. Archives of Environmental and Occupational Health, 2013, 68, 72-79.	0.7	11
45	Myocardial infarction before and after the age of 45: Possible role of platelet receptor polymorphisms. Revista Portuguesa De Cardiologia, 2018, 37, 727-735.	0.2	11
46	Nuclear microscopy as a tool in TiO2 nanoparticles bioaccumulation studies in aquatic species. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 117-120.	0.6	10
47	Distribution and Quantitation of Skin Iron in Primary Haemochromatosis: Correlation with Total Body Iron Stores in Patients Undergoing Phlebotomy. Acta Dermato-Venereologica, 2014, 94, 14-19.	0.6	10
48	The suitability of EBC-Pb as a new biomarker to assess occupational exposure to lead. International Journal of Environmental Health Research, 2015, 25, 67-80.	1.3	10
49	A view on elemental distribution alterations of coronary artery walls in atherogenesis. Nuclear Instruments & Methods in Physics Research B, 1995, 104, 344-350.	0.6	9
50	Micro-scale elemental distribution in the thallus of Flavoparmelia caperata transplanted to polluted site. Journal of Radioanalytical and Nuclear Chemistry, 2009, 281, 205-210.	0.7	9
51	Using the exhaled breath condensate as a tool for non-invasive evaluation of pollutant exposure. International Journal of Environment and Health, 2010, 4, 293.	0.3	9
52	Exhaled breath condensate as a biomonitor for metal exposure: a new analytical challenge. Journal of Radioanalytical and Nuclear Chemistry, 2013, 297, 377-382.	0.7	9
53	Stratification of ST-elevation myocardial infarction patients based on soluble CD40L longitudinal changes. Translational Research, 2016, 176, 95-104.	2.2	9
54	Sono-Biosynthesis and Characterization of AuNPs from Danube Delta Nymphaea alba Root Extracts and Their Biological Properties. Nanomaterials, 2021, 11, 1562.	1.9	9

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55	Elemental composition in sediments and water in the TrancÃ£o river basin. A preliminary study. Nuclear Instruments & Methods in Physics Research B, 1998, 136-138, 1005-1012.	0.6	8
56	k0-INAA performance in the measurement of filters sampled in an industry with high loadings of metals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 453-455.	0.7	8
57	INAA and PIXE characterization of heavy metals and rare earth elements emissions from phosphorite handling in harbours. Journal of Radioanalytical and Nuclear Chemistry, 2012, 294, 277-281.	0.7	8
58	Soluble CD40 ligand expression in stable atherosclerosis: A systematic review and meta-analysis. Atherosclerosis, 2021, 319, 86-100.	0.4	8
59	The MÃ¶ssbauer effect using ⁵⁷Fe-ferrabisdicarbollide ([o-⁵⁷FESAN]^{â¯}): a glance into the potential of a low-dose approach for glioblastoma radiotherapy. Inorganic Chemistry Frontiers, 2022, 9, 1490-1503.	3.0	8
60	Analysis of a Roman Centaurus from Canas deÂSenhorim (Portugal)-Comparative study using EDXRF and SXRF. European Physical Journal Special Topics, 2003, 104, 523-526.	0.2	7
61	Effect of Hormone Replacement Therapy on the Elemental Contents of Uterine Tissue. Biological Trace Element Research, 2004, 101, 37-46.	1.9	7
62	Using skin to assess iron accumulation in human metabolic disorders. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 697-701.	0.6	7
63	Particulate matter in exhaled breath condensate: A promising indicator of environmental conditions. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 2404-2408.	0.6	7
64	Imaging and quantification of trace metals in thin biological specimens using microprobe techniques: Synchrotron induced X-ray fluorescence microprobe and nuclear microprobe. European Physical Journal Special Topics, 2003, 104, 321-324.	0.2	7
65	Consequences of a Fat Diet in the Distribution of Minerals within Pancreatic Tissues of Rats and Rabbits. Microscopy and Microanalysis, 2012, 18, 1060-1066.	0.2	6
66	Microdistribution of major to trace elements between roots of Halimione portulacoides and host sediments (Tagus estuary marsh, Portugal). Plant and Soil, 2014, 376, 129-137.	1.8	6
67	3D map distribution of metallic nanoparticles in whole cells using MeV ion microscopy. Journal of Microscopy, 2017, 267, 227-236.	0.8	6
68	Prognostic evaluation of soluble CD40L in acute myocardial infarction: is not fancy, is science!. Annals of Translational Medicine, 2017, 5, 90-90.	0.7	6
69	Dose Rate Effects on the Selective Radiosensitization of Prostate Cells by GRPR-Targeted Gold Nanoparticles. International Journal of Molecular Sciences, 2022, 23, 5279.	1.8	6
70	PIXE studies of osteoporosis preventive treatments. Nuclear Instruments & Methods in Physics Research B, 2002, 189, 431-436.	0.6	5
71	Systemic Markers of the Redox Balance and Apolipoprotein E Polymorphism in Atherosclerosis: The Relevance for an Integrated Study. Biological Trace Element Research, 2006, 112, 57-76.	1.9	5
72	Micro-scale elemental partition in tissues of the aquatic plant Lemna minor L. exposed to highway drainage water. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 150-152.	0.6	5

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73	Modelling the uptake of suspended materials and salts in nearshore waters by plastics using nuclear microscopy and depth profiling analytical tools. Nuclear Instruments & Methods in Physics Research B, 2019, 451, 127-134.	0.6	5
74	In vitro toxicity of particulate matter emissions from residential pellet combustion. Journal of Environmental Sciences, 2022, 115, 215-226.	3.2	5
75	Brain trace element alterations in atherosclerosis. Nuclear Instruments & Methods in Physics Research B, 1990, 49, 191-194.	0.6	4
76	Biological monitoring of toxic metals â€“ steel workers respiratory health survey. Nuclear Instruments & Methods in Physics Research B, 1999, 150, 185-192.	0.6	4
77	The Proinflammatory Soluble CD40 Ligand Is Associated with the Systemic Extent of Stable Atherosclerosis. Medicina (Lithuania), 2021, 57, 39.	0.8	4
78	Trace element changes in cardiovascular diseases. Nuclear Instruments & Methods in Physics Research B, 1993, 75, 160-164.	0.6	3
79	Pollution assessment in the TrancÃ£o river basin (Portugal) by PIXE, EDXRF and isotopic analysis. Nuclear Instruments & Methods in Physics Research B, 1999, 150, 306-311.	0.6	3
80	Airborne particulate matter localisation in the human respiratory system. Nuclear Instruments & Methods in Physics Research B, 1999, 158, 499-504.	0.6	3
81	X-ray tomography as a complementary technique to nuclear microscopy for biomedical applications. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2103-2106.	0.6	3
82	Imaging iron in skin and liver: Non-invasive tools for hemochromatosis therapy. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2140-2143.	0.6	3
83	Clastogenic Plasma Factors in Psoriasisâ€"Comparison of Phototherapy and Antiâ€"TNFâ€Î± Treatments. Photochemistry and Photobiology, 2011, 87, 1427-1432.	1.3	3
84	T lymphocytes alterations are associated with oxidized LDL, troponin T, white blood cells and C-reactive protein during acute myocardial infarction. Clinical Hemorheology and Microcirculation, 2013, 55, 349-358.	0.9	3
85	Using nuclear microscopy to characterize the interaction of textile-used silver nanoparticles with a biological wastewater treatment system. Nuclear Instruments & Methods in Physics Research B, 2017, 404, 150-154.	0.6	3
86	Experimental investigations into sample preparation of Alzheimer tissue specimens for nuclear microprobe analysis. Nuclear Instruments & Methods in Physics Research B, 1991, 54, 186-190.	0.6	2
87	Mobilisation of toxic elements in the human respiratory system. Nuclear Instruments & Methods in Physics Research B, 2001, 181, 499-505.	0.6	2
88	Changes of iron concentrations in skin and plasma of patients with hemochromatosis along therapy. Journal of Radioanalytical and Nuclear Chemistry, 2009, 281, 161-164.	0.7	2
89	Changes of the elemental distributions in marine diatoms as a reporter of sample preparation artefacts. A nuclear microscopy application. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 265-268.	0.6	2
90	Myocardial infarction before and after the age of 45: Possible role of platelet receptor polymorphisms. Revista Portuguesa De Cardiologia (English Edition), 2018, 37, 727-735.	0.2	2

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91	Inflammation is associated with the presence and severity of chronic coronary syndrome through soluble CD40 ligand. American Journal of Cardiovascular Disease, 2020, 10, 329-339.	0.5	2
92	Dyspepsia treatment with Al compounds widely used in clinical practice â€" an animal model approach. Nuclear Instruments & Methods in Physics Research B, 1996, 109-110, 318-322.	0.6	1
93	Iron deposition in skin of patients with haemochromatosis. Nuclear Instruments & Methods in Physics Research B, 2003, 210, 373-377.	0.6	1
94	Chemical profile of fugitive particulate emissions. Journal of Radioanalytical and Nuclear Chemistry, 2014, 300, 653-661.	0.7	1
95	Impact of inflammation on iron stores in involved and non-involved psoriatic skin. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 119-122.	0.6	1
96	Air Quality in Metal Industries. Comprehensive Analytical Chemistry, 2016, , 731-764.	0.7	1
97	Cellular ultrastructural studies and biological effects of copper complexes of phenanthroline derivatives. Annals of Medicine, 2024, 51, 36-36.	1.5	1
98	Redox balance and blood elemental levels in atherosclerosis. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 702-705.	0.6	0
99	YI-826 THE FUNCTION OF PLATELETS AND ENDOTHELIUM IN THE ACUTE MYOCARDIAL INFARCTION. Atherosclerosis Supplements, 2007, 8, 219.	1.2	0
100	BIOLOGICAL AND MEDICAL APPLICATIONS OF PIXE. International Journal of PIXE, 2008, 18, 77-89.	0.4	0
101	Editorial â€" 13th ICNMTA 2012. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 1-2.	0.6	0
102	T lymphocytes alterations are associated with oxidized LDL, troponin T, white blood cells and C-reactive protein during acute myocardial infarction. Clinical Hemorheology and Microcirculation, 2014, 56, 57-66.	0.9	0
103	Elemental mapping inventory of the fish Liza aurata brain: a biomarker of metal pollution vulnerability. Metallomics, 2015, 7, 277-282.	1.0	0
104	Plaque Vulnerability Phenotype in Patients with Coronary Artery Disease - An Intravascular Ultrasound Radiofrequency Analysis. , 2013, , .		0
105	Expansive Growth of Atherosclerotic Plaques Assessed by VH-IVUS - Association with TNF-Î± and OX-LDL Levels in Circulation. , 2013, , .		0