

Edgar Pinto

List of Publications by Citations

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

75
papers

1,253
citations

21
h-index

33
g-index

85
ext. papers

1,606
ext. citations

4.9
avg, IF

4.82
L-index

#	Paper	IF	Citations
75	Effect of charcoal types and grilling conditions on formation of heterocyclic aromatic amines (HAs) and polycyclic aromatic hydrocarbons (PAHs) in grilled muscle foods. <i>Food and Chemical Toxicology</i> , 2012 , 50, 2128-34	4.7	115
74	Comparison between the mineral profile and nitrate content of microgreens and mature lettuces. <i>Journal of Food Composition and Analysis</i> , 2015 , 37, 38-43	4.1	79
73	Nutritive value, antioxidant activity and phenolic compounds profile of brewer's spent yeast extract. <i>Journal of Food Composition and Analysis</i> , 2016 , 52, 44-51	4.1	68
72	Tracing seaweeds as mineral sources for farm-animals. <i>Journal of Applied Phycology</i> , 2016 , 28, 3135-3150	3.2	65
71	Effects of microcystin-LR, cylindrospermopsin and a microcystin-LR/cylindrospermopsin mixture on growth, oxidative stress and mineral content in lettuce plants (<i>Lactuca sativa</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2015 , 116, 59-67	7	55
70	Human Health Risk Assessment Due to Agricultural Activities and Crop Consumption in the Surroundings of an Industrial Area. <i>Exposure and Health</i> , 2020 , 12, 629-640	8.8	55
69	Metals transfer from tobacco to cigarette smoke: Evidences in smokers' lung tissue. <i>Journal of Hazardous Materials</i> , 2017 , 325, 31-35	12.8	52
68	Influence of Soil Chemistry and Plant Physiology in the Phytoremediation of Cu, Mn, and Zn. <i>Critical Reviews in Plant Sciences</i> , 2014 , 33, 351-373	5.6	46
67	Changes in macrominerals, trace elements and pigments content during lettuce (<i>Lactuca sativa</i> L.) growth: influence of soil composition. <i>Food Chemistry</i> , 2014 , 152, 603-11	8.5	42
66	Cation transporters/channels in plants: Tools for nutrient biofortification. <i>Journal of Plant Physiology</i> , 2015 , 179, 64-82	3.6	41
65	Distribution and environmental assessment of trace elements contamination of water, sediments and flora from Douro River estuary, Portugal. <i>Science of the Total Environment</i> , 2018 , 639, 1381-1393	10.2	35
64	Characterization of protein and fat composition of seeds from common beans (<i>Phaseolus vulgaris</i> L.), cowpea (<i>Vigna unguiculata</i> L. Walp) and bambara groundnuts (<i>Vigna subterranea</i> L. Verdc) from Mozambique. <i>Journal of Food Measurement and Characterization</i> , 2017 , 11, 442-450	2.8	34
63	Essential and non-essential/toxic elements in rice available in the Portuguese and Spanish markets. <i>Journal of Food Composition and Analysis</i> , 2016 , 48, 81-87	4.1	33
62	Impact of intensive horticulture practices on groundwater content of nitrates, sodium, potassium, and pesticides. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 4539-51	3.1	32
61	Assessment of metal(loid)s phytoavailability in intensive agricultural soils by the application of single extractions to rhizosphere soil. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 113, 418-24	7	27
60	Analysis of the use of microcystin-contaminated water in the growth and nutritional quality of the root-vegetable, <i>Daucus carota</i> . <i>Environmental Science and Pollution Research</i> , 2017 , 24, 752-764	5.1	24
59	Links between Cognitive Status and Trace Element Levels in Hair for an Environmentally Exposed Population: A Case Study in the Surroundings of the Estarreja Industrial Area. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	24

58	Fingernail Trace Element Content in Environmentally Exposed Individuals and Its Influence on Their Cognitive Status in Ageing. <i>Exposure and Health</i> , 2019 , 11, 181-194	8.8	24
57	Influence of the temporal and spatial variation of nitrate reductase, glutamine synthetase and soil composition in the N species content in lettuce (<i>Lactuca sativa</i>). <i>Plant Science</i> , 2014 , 219-220, 35-41	5.3	23
56	An Inter-disciplinary Approach to Evaluate Human Health Risks Due to Long-Term Exposure to Contaminated Groundwater Near a Chemical Complex. <i>Exposure and Health</i> , 2020 , 12, 199-214	8.8	23
55	Iodine Status and Iodised Salt Consumption in Portuguese School-Aged Children: The Iodine Generation Study. <i>Nutrients</i> , 2017 , 9,	6.7	22
54	Quantitative analysis of glyphosate, glufosinate and AMPA in irrigation water by in situ derivatization-dispersive liquid-liquid microextraction combined with UPLC-MS/MS. <i>Analytical Methods</i> , 2018 , 10, 554-561	3.2	21
53	Multi-elemental analysis as a tool for characterization and differentiation of Portuguese wines according to their Protected Geographical Indication. <i>Food Control</i> , 2019 , 103, 27-35	6.2	16
52	Chemical safety of children's play paints: Focus on selected heavy metals. <i>Microchemical Journal</i> , 2015 , 118, 203-210	4.8	16
51	Sensitive quantitation of polyamines in plant foods by ultrasound-assisted benzylation and dispersive liquid-liquid microextraction with the aid of experimental designs. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 4276-84	5.7	16
50	Mineral Composition of Subcritical Water Extracts of <i>Saccorhiza polyschides</i> , a Brown Seaweed Used as Fertilizer in the North of Portugal. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 244	2.4	15
49	Analysis of the Use of <i>Cylindrospermopsis</i> and/or <i>Microcystin</i> -Contaminated Water in the Growth, Mineral Content, and Contamination of and. <i>Toxins</i> , 2019 , 11,	4.9	14
48	Genotoxicity of gold nanoparticles in the gilthead seabream (<i>Sparus aurata</i>) after single exposure and combined with the pharmaceutical gemfibrozil. <i>Chemosphere</i> , 2019 , 220, 11-19	8.4	14
47	Effects and bioaccumulation of gold nanoparticles in the gilthead seabream (<i>Sparus aurata</i>) - Single and combined exposures with gemfibrozil. <i>Chemosphere</i> , 2019 , 215, 248-260	8.4	14
46	Assessment of Douro and Ave River (Portugal) lower basin water quality focusing on physicochemical and trace element spatiotemporal changes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018 , 53, 1056-1066	2.3	13
45	Elemental impurities in lipsticks: Results from a survey of the Portuguese and Brazilian markets. <i>Regulatory Toxicology and Pharmacology</i> , 2018 , 95, 307-313	3.4	11
44	Mineral Composition of Dry Dog Foods: Impact on Nutrition and Potential Toxicity. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 7822-7830	5.7	11
43	Evaluation of Etest performed in Mueller-Hinton agar supplemented with glucose for antifungal susceptibility testing of clinical isolates of filamentous fungi. <i>Mycopathologia</i> , 2014 , 177, 157-66	2.9	10
42	Trace Elements in Ambient Air at Porto Metropolitan Area-Checking for Compliance with New European Union (EU) Air Quality Standards. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015 , 78, 848-59	3.2	9
41	Assessment of Constructed Wetlands Potential for the Removal of Cyanobacteria and Microcystins (MC-LR). <i>Water (Switzerland)</i> , 2020 , 12, 10	3	9

40	Effects of Chrysosporum (Aphanizomenon) ovalisporum extracts containing cylindrospermopsin on growth, photosynthetic capacity, and mineral content of carrots (Daucus carota). <i>Ecotoxicology</i> , 2017 , 26, 22-31	2.9	9
39	Bioaccessibility and intestinal uptake of minerals from different types of home-cooked and ready-to-eat beans. <i>Journal of Functional Foods</i> , 2018 , 50, 201-209	5.1	9
38	Fibre fortification of wheat bread: impact on mineral composition and bioaccessibility. <i>Food and Function</i> , 2017 , 8, 1979-1987	6.1	8
37	Spatiotemporal Distribution and Sources of Trace Elements in Ave River (Portugal) Lower Basin: Estuarine Water, Sediments and Indigenous Flora. <i>International Journal of Environmental Research</i> , 2019 , 13, 303-318	2.9	8
36	Potentiometric perchlorate determination at nanomolar concentrations in vegetables. <i>Food Chemistry</i> , 2017 , 227, 166-172	8.5	7
35	INFLUENCE OF DIFFERENT EXTRACTION CONDITIONS AND SAMPLE PRETREATMENTS ON QUANTIFICATION OF NITRATE AND NITRITE IN SPINACH AND LETTUCE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010 , 33, 591-602	1.3	7
34	Trace element imbalances in patients undergoing chronic hemodialysis therapy - Report of an observational study in a cohort of Portuguese patients. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 62, 126580	4.1	7
33	Associations between Trace Elements and Cognitive Decline: An Exploratory 5-Year Follow-Up Study of an Elderly Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	7
32	Multi-Step Subcritical Water Extracts of Fucus vesiculosus L. and Codium tomentosum Stackhouse: Composition, Health-Benefits and Safety. <i>Processes</i> , 2021 , 9, 893	2.9	7
31	Alkali metals levels in the human brain tissue: Anatomical region differences and age-related changes. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016 , 38, 174-182	4.1	6
30	In Vitro bioaccessibility and transport across Caco-2 monolayers of haloacetic acids in drinking water. <i>Chemosphere</i> , 2016 , 161, 19-26	8.4	6
29	Preclinical Pharmacokinetics and Biodistribution of Anticancer Dinuclear Palladium(II)-Spermine Complex (PdSpm) in Mice. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	6
28	Fast and reliable ICP-MS quantification of palladium and platinum-based drugs in animal pharmacokinetic and biodistribution studies. <i>Analytical Methods</i> , 2020 , 12, 4806-4812	3.2	5
27	Effect of Zinc Source and Exogenous Enzymes Supplementation on Zinc Status in Dogs Fed High Phytate Diets. <i>Animals</i> , 2020 , 10,	3.1	4
26	Effects of gold nanoparticles in gilthead seabream-A proteomic approach. <i>Aquatic Toxicology</i> , 2020 , 221, 105445	5.1	4
25	Changes in the content of free and conjugated polyamines during Lettuce (Lactuca sativa) growth. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 440-6	5.7	4
24	The association of milk and dairy consumption with iodine status in pregnant women in Oporto region. <i>British Journal of Nutrition</i> , 2021 , 126, 1314-1322	3.6	4
23	Population structure and dynamics of the Atlantic mackerel (Scomber scombrus) in the North Atlantic inferred from otolith chemical and shape signatures. <i>Fisheries Research</i> , 2020 , 230, 105621	2.3	3

22	Iodine levels in different regions of the human brain. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 62, 126579	4.1	3
21	Biological effects and bioaccumulation of gold in gilthead seabream (<i>Sparus aurata</i>) - Nano versus ionic form. <i>Science of the Total Environment</i> , 2020 , 716, 137026	10.2	3
20	Trace elements in wild edible <i>Aplysia</i> species: Relationship with the desaturation-elongation indexes of fatty acids. <i>Chemosphere</i> , 2018 , 208, 682-690	8.4	3
19	Stock structure of the Brazilian sardine <i>Sardinella brasiliensis</i> from Southwest Atlantic Ocean inferred from otolith elemental signatures. <i>Fisheries Research</i> , 2022 , 248, 106192	2.3	3
18	Iodine knowledge is associated with iodine status in Portuguese pregnant women: results from the IoMum cohort study. <i>British Journal of Nutrition</i> , 2021 , 126, 1331-1339	3.6	3
17	A simple, efficient and selective process for recycling La (and Al) from fluid cracking catalysts using an environmentally friendly strategy. <i>Minerals Engineering</i> , 2020 , 156, 106375	4.9	2
16	Influence of mixtures of acenaphthylene and benzo[a]anthracene on their degradation by <i>Pleurotus ostreatus</i> in sandy soil. <i>Journal of Soils and Sediments</i> , 2014 , 14, 829-834	3.4	2
15	Effects of single and combined exposures of gold (nano versus ionic form) and gemfibrozil in a liver organ culture of <i>Sparus aurata</i> . <i>Marine Pollution Bulletin</i> , 2020 , 160, 111665	6.7	2
14	Population structure of the chub mackerel (<i>Scomber colias</i>) in the NE Atlantic inferred from otolith elemental and isotopic signatures. <i>Fisheries Research</i> , 2021 , 234, 105785	2.3	2
13	Silicon Improves the Redox Homeostasis to Alleviate Glyphosate Toxicity in Tomato Plants-Are Nanomaterials Relevant?. <i>Antioxidants</i> , 2021 , 10,	7.1	2
12	Foliar Application of Sodium Nitroprusside Boosts L. Tolerance to Glyphosate by Preventing Redox Disorders and Stimulating Herbicide Detoxification Pathways. <i>Plants</i> , 2021 , 10,	4.5	2
11	Simultaneous Extraction and Determination of Preservatives and Antioxidants in Juice Samples by an Optimized Microextraction Method Using Central Composite Design and Validated with Accuracy Profile. <i>Journal of AOAC INTERNATIONAL</i> , 2018 ,	1.7	1
10	Lead Levels in Non-Occupationally Exposed Women with Preeclampsia. <i>Molecules</i> , 2021 , 26,	4.8	1
9	Seaweeds rehydration and boiling: Impact on iodine, sodium, potassium, selenium, and total arsenic contents and health benefits for consumption. <i>Food and Chemical Toxicology</i> , 2021 , 155, 112385	4.7	1
8	Exploring two food composition databases to estimate nutritional components of whole meals. <i>Journal of Food Composition and Analysis</i> , 2021 , 102, 104070	4.1	1
7	Essential and non-essential elements, and volatile organic compounds for the discrimination of twenty-three sweet cherry cultivars from Fundão, Portugal. <i>Food Chemistry</i> , 2022 , 367, 130503	8.5	1
6	Essential and non-essential/toxic trace elements in whey protein supplements. <i>Journal of Food Composition and Analysis</i> , 2020 , 86, 103383	4.1	0
5	Children's performance on Raven's Coloured progressive matrices in Portugal: The Flynn effect. <i>Intelligence</i> , 2020 , 82, 101485	3	0

4	Reference values for trace element levels in the human brain: A systematic review of the literature. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021 , 66, 126745	4.1	○
3	Insights into corrosion behaviour of uncoated Mg alloys for biomedical applications in different aqueous media. <i>Journal of Materials Research and Technology</i> , 2021 , 13, 1908-1922	5.5	○
2	Effect of skimmed milk on intestinal tract: Prevention of increased reactive oxygen species and nitric oxide formation. <i>International Dairy Journal</i> , 2021 , 118, 105046	3.5	○
1	Effects of diet supplementation with sodium selenite and selenium-enriched in puppies health performance from post-weaning to adulthood. <i>Animal Feed Science and Technology</i> , 2021 , 274, 114897	3	○