

Agostinho A Almeida

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.

95
papers

1,588
citations

23
h-index

35
g-index

108
ext. papers

2,000
ext. citations

4.9
avg, IF

4.86
L-index

#	Paper	IF	Citations
95	Iron levels in the human brain: a post-mortem study of anatomical region differences and age-related changes. <i>Journal of Trace Elements in Medicine and Biology</i> , 2014 , 28, 13-7	4.1	117
94	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
93	Trace elements in human milk: correlation with blood levels, inter-element correlations and changes in concentration during the first month of lactation. <i>Journal of Trace Elements in Medicine and Biology</i> , 2008 , 22, 196-205	4.1	69
92	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
91	Tracing seaweeds as mineral sources for farm-animals. <i>Journal of Applied Phycology</i> , 2016 , 28, 3135-3150	3.2	65
90	Nutritional, chemical and antioxidant/pro-oxidant profiles of silverskin, a coffee roasting by-product. <i>Food Chemistry</i> , 2018 , 267, 28-35	8.5	59
89	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
88	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
87	Staphylococcus epidermidis biofilms with higher proportions of dormant bacteria induce a lower activation of murine macrophages. <i>Journal of Medical Microbiology</i> , 2011 , 60, 1717-1724	3.2	49
86	Phytostabilization of nickel by the zinc and cadmium hyperaccumulator <i>Solanum nigrum</i> L. Are metallothioneins involved?. <i>Plant Physiology and Biochemistry</i> , 2012 , 57, 254-60	5.4	46
85	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
84	Anatomical region differences and age-related changes in copper, zinc, and manganese levels in the human brain. <i>Biological Trace Element Research</i> , 2014 , 161, 190-201	4.5	41
83	Human predisposition to cognitive impairment and its relation with environmental exposure to potentially toxic elements. <i>Environmental Geochemistry and Health</i> , 2018 , 40, 1767-1784	4.7	40
82	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
81	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
80	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
79	Automatic flow system for the sequential determination of copper in serum and urine by flame atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2006 , 555, 370-376	6.6	26

78	The conserved and divergent roles of carbonic anhydrases in the filamentous fungi <i>Aspergillus fumigatus</i> and <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , 2010 , 75, 1372-88	4.1	25
77	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
76	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
75	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
74	Impact of defatting freeze-dried edible crickets (<i>Acheta domesticus</i> and <i>Gryllobates sigillatus</i>) on the nutritive value, overall liking and sensory profile of cereal bars. <i>LWT - Food Science and Technology</i> , 2019 , 113, 108335	5.4	23
73	Firing distance estimation through the analysis of the gunshot residue deposit pattern around the bullet entrance hole by inductively coupled plasma-mass spectrometry: an experimental study. <i>American Journal of Forensic Medicine and Pathology</i> , 2007 , 28, 24-30	1	23
72	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
71	Iodine Status and Iodised Salt Consumption in Portuguese School-Aged Children: The logeneration Study. <i>Nutrients</i> , 2017 , 9,	6.7	22
70	Ion chromatographic determination of iodide in urine and serum using a tubular ion-selective electrode based on a homogeneous crystalline membrane. <i>Mikrochimica Acta</i> , 1997 , 127, 55-60	5.8	21
69	Biodistribution of polyacrylic acid-coated iron oxide nanoparticles is associated with proinflammatory activation and liver toxicity. <i>Journal of Applied Toxicology</i> , 2016 , 36, 1321-31	4.1	20
68	Anatomical regional differences in selenium levels in the human brain. <i>Biological Trace Element Research</i> , 2015 , 163, 89-96	4.5	19
67	Anthropogenic pressure in a Portuguese river: Endocrine-disrupting compounds, trace elements and nutrients. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016 , 51, 1043-52	2.3	18
66	FH8--a small EF-hand protein from <i>Fasciola hepatica</i> . <i>FEBS Journal</i> , 2010 , 277, 5072-85	5.7	18
65	Spectrophotometric sensor system based on a liquid waveguide capillary cell for the determination of titanium: Application to natural waters, sunscreens and a lake sediment. <i>Sensors and Actuators B: Chemical</i> , 2011 , 157, 51-56	8.5	17
64	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
63	Chemical safety of children's play paints: Focus on selected heavy metals. <i>Microchemical Journal</i> , 2015 , 118, 203-210	4.8	16
62	IFN- γ -Dependent Reduction of Erythrocyte Life Span Leads to Anemia during Mycobacterial Infection. <i>Journal of Immunology</i> , 2019 , 203, 2485-2496	5.3	15
61	H-Ferritin is essential for macrophages' capacity to store or detoxify exogenously added iron. <i>Scientific Reports</i> , 2020 , 10, 3061	4.9	15

60	Mineral Composition of Subcritical Water Extracts of Saccorhiza Polyschides, 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
59	Analysis of the Use of Cylindrospermopsin and/or Microcystin-Contaminated Water in the Growth, Mineral Content, and Contamination of and. <i>Toxins</i> , 2019 , 11,	4.9	14
58	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
57	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
56	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
55	Metallothionein multigene family expression is differentially affected by Chromium (III) and (VI) in <i>Solanum nigrum</i> L. plants. <i>Food and Energy Security</i> , 2013 , 2, 130-140	4.1	12
54	Determination of transition metals in human hair by high-performance liquid chromatography using sodium hexadecane-sulfonate coated columns. <i>Talanta</i> , 1999 , 50, 253-9	6.2	12
53	Firing distance estimation based on the analysis of GSR distribution on the target surface using ICP-MS--an experimental study with a 7.65 mm \times 7 mm Browning pistol (.32 ACP). <i>Forensic Science International</i> , 2015 , 247, 62-8	2.6	11
52	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
51	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
50	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
49	Effects of <i>Chrysosporium</i> (<i>Aphanizomenon</i>) <i>ovalisporum</i> extracts containing cylindrospermopsin on growth, photosynthetic capacity, and mineral content of carrots (<i>Daucus carota</i>). <i>Ecotoxicology</i> , 2017 , 26, 22-31	2.9	9
48	Determination of Rh, Pd and Pt in urine samples using a pre-concentration sequential injection analysis system coupled to a quadrupole-inductively coupled plasma-mass spectrometer. <i>Analytica Chimica Acta</i> , 2007 , 600, 226-32	6.6	9
47	Elimination of the carbon build-up effect in the ETAAS analysis of low diluted serum samples using an in situ wet digestion with tetramethylammonium hydroxide. Application to aluminium determination. <i>Journal of Analytical Atomic Spectrometry</i> , 2000 , 15, 1019-1024	3.7	9
46	Determination of lead and aluminium in port wine by electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1992 , 7, 1281	3.7	9
45	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
44	Fibre fortification of wheat bread: impact on mineral composition and bioaccessibility. <i>Food and Function</i> , 2017 , 8, 1979-1987	6.1	8
43	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

42	Synergistic induction of apoptosis in primary rat decidual cells by INF-gamma and TNF. <i>Molecular Reproduction and Development</i> , 2007 , 74, 371-7	2.6	7
41	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
40	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
39	Multi-Step Subcritical Water Extracts of <i>Fucus vesiculosus</i> L. and <i>Codium tomentosum</i> Stackhouse: Composition, Health-Benefits and Safety. <i>Processes</i> , 2021 , 9, 893	2.9	7
38	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
37	Effect of Dietary Manganese and Zinc Levels on Growth and Bone Status of Senegalese Sole (<i>Solea senegalensis</i>) Post-Larvae. <i>Biological Trace Element Research</i> , 2021 , 199, 2012-2021	4.5	6
36	Preclinical Pharmacokinetics and Biodistribution of Anticancer Dinuclear Palladium(II)-Spermine Complex (PdSpm) in Mice. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	6
35	A post-mortem study of the anatomical region differences and age-related changes on Ca and Mg levels in the human brain. <i>Microchemical Journal</i> , 2014 , 113, 69-76	4.8	5
34	Improved Determination of Aluminium in Port Wine by Electrothermal Atomic Absorption Using Potassium Dichromate Chemical Modification and End-capped Graphite Tubes. <i>Journal of Analytical Atomic Spectrometry</i> , 1997 , 12, 837-840	3.7	5
33	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
32	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
31	Effects of gold nanoparticles in gilthead seabream-A proteomic approach. <i>Aquatic Toxicology</i> , 2020 , 221, 105445	5.1	4
30	High-performance liquid chromatographic determination of trace amounts of transition metals in parenteral solutions. <i>Analyst, The</i> , 1998 , 123, 1283-1287	5	4
29	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
28	Population structure and dynamics of the Atlantic mackerel (<i>Scomber scombrus</i>) in the North Atlantic inferred from otolith chemical and shape signatures. <i>Fisheries Research</i> , 2020 , 230, 105621	2.3	3
27	Flow-Based Dynamic Approach to Assess Bioaccessible Zinc in Dry Dog Food Samples. <i>Molecules</i> , 2020 , 25,	4.8	3
26	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
25	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

24	A FT-NIR spectroscopy methodology to estimate firing distance based on the direct analysis of the bullet impact surface. <i>Analyst, The</i> , 2016 , 141, 4410-6	5	3
23	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
22	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
21	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
20	Development and Validation of a GC-MS/MS Method for cis- and trans-Resveratrol Determination: Application to Portuguese Wines. <i>Food Analytical Methods</i> , 2019 , 12, 1536-1544	3.4	2
19	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
18	The conserved and divergent roles of carbonic anhydrases in the filamentous fungi <i>Aspergillus fumigatus</i> and <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , 2009 , 76, 802-802	4.1	2
17	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
16	Acquired hepatocerebral degeneration and hepatic encephalopathy: one or two entities?. <i>European Journal of Neurology</i> , 2020 , 27, 2396-2404	6	2
15	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
14	A reflectance flow-through thionine sol-gel sensor for the determination of Se(IV). <i>Analytical Sciences</i> , 2010 , 26, 665-9	1.7	1
13	Lead Levels in Non-Occupationally Exposed Women with Preeclampsia. <i>Molecules</i> , 2021 , 26,	4.8	1
12	Trace Elements in the Human Milk 2018 ,		1
11	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
10	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
9	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
8	Minerals and fatty acids profile of Northwest Portuguese Coast Shrimps. <i>Journal of Food Composition and Analysis</i> , 2022 , 104652	4.1	1
7	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

6	Children's performance on Raven's Coloured progressive matrices in Portugal: The Flynn effect. <i>Intelligence</i> , 2020 , 82, 101485	3	o
5	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	o
4	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	o
3	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	o
2	Diversity of metal and antibiotic resistance genes in <i>Enterococcus</i> spp. from the last century reflects multiple pollution and genetic exchange among phyla from overlapping ecosystems. <i>Science of the Total Environment</i> , 2021 , 787, 147548	10.2	o
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	