

Jose O Fernandes

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.

99
papers

4,162
citations

38
h-index

62
g-index

106
ext. papers

4,852
ext. citations

5.9
avg, IF

6.12
L-index

#	Paper	IF	Citations
99	Extraction techniques with deep eutectic solvents. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 105, 225-239	4.4	279
98	Mycotoxins in cereals and related foodstuffs: A review on occurrence and recent methods of analysis. <i>Trends in Food Science and Technology</i> , 2014 , 36, 96-136	15.3	216
97	Evaluation of the QuEChERS sample preparation approach for the analysis of pesticide residues in olives. <i>Journal of Separation Science</i> , 2007 , 30, 620-32	3.4	183
96	Quantification of free and total bisphenol A and bisphenol B in human urine by dispersive liquid-liquid microextraction (DLLME) and heart-cutting multidimensional gas chromatography-mass spectrometry (MD-GC/MS). <i>Talanta</i> , 2010 , 83, 117-25	6.2	151
95	Environmental contaminants of emerging concern in seafood--European database on contaminant levels. <i>Environmental Research</i> , 2015 , 143, 29-45	7.9	143
94	A novel dispersive liquid-liquid microextraction (DLLME) gas chromatography-mass spectrometry (GC-MS) method for the determination of eighteen biogenic amines in beer. <i>Food Control</i> , 2012 , 25, 380-388	6.3	131
93	Determination of bisphenol A and bisphenol B in canned seafood combining QuEChERS extraction with dispersive liquid-liquid microextraction followed by gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 2453-63	4.4	113
92	Quantification of tocopherols and tocotrienols in portuguese olive oils using HPLC with three different detection systems. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 3351-6	5.7	109
91	Development and validation of a method based on a QuEChERS procedure and heart-cutting GC-MS for determination of five mycotoxins in cereal products. <i>Journal of Separation Science</i> , 2010 , 33, 600-9	3.4	101
90	Quantification of free and esterified sterols in Portuguese olive oils by solid-phase extraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2006 , 1128, 220-7	4.5	99
89	Combined ion-pair extraction and gas chromatography-mass spectrometry for the simultaneous determination of diamines, polyamines and aromatic amines in Port wine and grape juice. <i>Journal of Chromatography A</i> , 2000 , 886, 183-95	4.5	99
88	Simultaneous determination of bisphenol A and bisphenol B in beverages and powdered infant formula by dispersive liquid-liquid micro-extraction and heart-cutting multidimensional gas chromatography-mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011 , 28, 513-26	3.2	95
87	Multipesticide residue analysis in maize combining acetonitrile-based extraction with dispersive liquid-liquid microextraction followed by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 7748-57	4.5	92
86	Fast analysis of multiple pesticide residues in apple juice using dispersive liquid-liquid microextraction and multidimensional gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2009 , 1216, 8835-44	4.5	90
85	Assessment of bisphenol A and bisphenol B in canned vegetables and fruits by gas chromatography-mass spectrometry after QuEChERS and dispersive liquid-liquid microextraction. <i>Food Control</i> , 2013 , 33, 549-555	6.2	86
84	Fast low-pressure gas chromatography-mass spectrometry method for the determination of multiple pesticides in grapes, musts and wines. <i>Journal of Chromatography A</i> , 2009 , 1216, 119-26	4.5	81
83	Prevalent Mycotoxins in Animal Feed: Occurrence and Analytical Methods. <i>Toxins</i> , 2019 , 11,	4.9	80

82	Bisphenol A and its analogs in muscle and liver of fish from the North East Atlantic Ocean in relation to microplastic contamination. Exposure and risk to human consumers. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122419	12.8	80
81	Acrylamide in espresso coffee: Influence of species, roast degree and brew length. <i>Food Chemistry</i> , 2010 , 119, 929-934	8.5	74
80	Gas chromatography-mass spectrometry assessment of amines in Port wine and grape juice after fast chloroformate extraction/derivatization. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 8742-8753	5.7	63
79	Analysis of heterocyclic aromatic amines in foods by gas chromatography-mass spectrometry as their tert.-butyldimethylsilyl derivatives. <i>Journal of Chromatography A</i> , 2004 , 1040, 105-14	4.5	62
78	Dispersive liquid-liquid microextraction followed by microwave-assisted silylation and gas chromatography-mass spectrometry analysis for simultaneous trace quantification of bisphenol A and 13 ultraviolet filters in wastewaters. <i>Journal of Chromatography A</i> , 2015 , 1414, 10-21	4.5	61
77	Determination of patulin in apple and quince products by GC-MS using ¹³ C ₅ patulin as internal standard. <i>Food Chemistry</i> , 2009 , 115, 352-359	8.5	61
76	Polybrominated diphenyl ethers (PBDEs) contents in house and car dust of Portugal by pressurized liquid extraction (PLE) and gas chromatography-mass spectrometry (GC-MS). <i>Chemosphere</i> , 2010 , 78, 1263-71	8.4	60
75	Comparative assessment of three cleanup procedures after QuEChERS extraction for determination of trichothecenes (type A and type B) in processed cereal-based baby foods by GC-MS. <i>Food Chemistry</i> , 2015 , 182, 143-9	8.5	55
74	UV-filters and musk fragrances in seafood commercialized in Europe Union: Occurrence, risk and exposure assessment. <i>Environmental Research</i> , 2018 , 161, 399-408	7.9	53
73	Mussels as bioindicators of diclofenac contamination in coastal environments. <i>Environmental Pollution</i> , 2017 , 225, 354-360	9.3	52
72	Co-occurrence of musk fragrances and UV-filters in seafood and macroalgae collected in European hotspots. <i>Environmental Research</i> , 2015 , 143, 65-71	7.9	52
71	Multiple mycotoxin analysis in nut products: Occurrence and risk characterization. <i>Food and Chemical Toxicology</i> , 2018 , 114, 260-269	4.7	52
70	Gas chromatographic-mass spectrometric quantification of 4-(5-)methylimidazole in roasted coffee after ion-pair extraction. <i>Journal of Chromatography A</i> , 2002 , 976, 285-91	4.5	52
69	Application of matrix solid-phase dispersion in the determination of acrylamide in potato chips. <i>Journal of Chromatography A</i> , 2007 , 1175, 1-6	4.5	49
68	Optimization and validation of a method based in a QuEChERS procedure and gas chromatography-mass spectrometry for the determination of multi-mycotoxins in popcorn. <i>Food Control</i> , 2012 , 27, 188-193	6.2	48
67	Assessment of multiple mycotoxins in breakfast cereals available in the Portuguese market. <i>Food Chemistry</i> , 2018 , 239, 132-140	8.5	47
66	Determination of acrylamide in coffee and coffee products by GC-MS using an improved SPE clean-up. <i>Food Additives and Contaminants</i> , 2006 , 23, 1276-82		44
65	Assessment of 4-(5-)methylimidazole in soft drinks and dark beer. <i>Journal of Food Composition and Analysis</i> , 2011 , 24, 609-614	4.1	43

64	Gas chromatographic-mass spectrometric determination of 4-(5) methylimidazole in ammonia caramel colour using ion-pair extraction and derivatization with isobutylchloroformate. <i>Journal of Chromatography A</i> , 1997 , 786, 299-308	4.5	43
63	Oral bioaccessibility of toxic and essential elements in raw and cooked commercial seafood species available in European markets. <i>Food Chemistry</i> , 2018 , 267, 15-27	8.5	41
62	Development of QuEChERS-based extraction and liquid chromatography-tandem mass spectrometry method for simultaneous quantification of bisphenol A and tetrabromobisphenol A in seafood: fish, bivalves, and seaweeds. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 151-160	4.4	40
61	Quantification of eight bisphenol analogues in blood and urine samples of workers in a hazardous waste incinerator. <i>Environmental Research</i> , 2019 , 176, 108576	7.9	38
60	Concentrations of nine bisphenol analogues in food purchased from Catalonia (Spain): Comparison of canned and non-canned foodstuffs. <i>Food and Chemical Toxicology</i> , 2020 , 136, 110992	4.7	37
59	Further alkyl and alkenylphenols of <i>Knema laurina</i> and <i>knema austrosiamensis</i> : location of the double bond in the alkenyl side chains. <i>Phytochemistry</i> , 1996 , 43, 1333-1337	4	36
58	Integrated multi-biomarker responses of juvenile seabass to diclofenac, warming and acidification co-exposure. <i>Aquatic Toxicology</i> , 2018 , 202, 65-79	5.1	36
57	Development and validation of a gas chromatography-mass spectrometry method for determination of deoxynivalenol and its metabolites in human urine. <i>Food and Chemical Toxicology</i> , 2012 , 50, 1019-26	4.7	33
56	HPLC/UV determination of organic acids in fruit juices and nectars. <i>European Food Research and Technology</i> , 2002 , 214, 67-71	3.4	33
55	Development and validation of a matrix solid-phase dispersion method to determine acrylamide in coffee and coffee substitutes. <i>Journal of Food Science</i> , 2010 , 75, T57-63	3.4	31
54	Portuguese children dietary exposure to multiple mycotoxins - An overview of risk assessment under MYCOMIX project. <i>Food and Chemical Toxicology</i> , 2018 , 118, 399-408	4.7	31
53	Occurrence, profile and spatial distribution of UV-filters and musk fragrances in mussels from Portuguese coastline. <i>Marine Environmental Research</i> , 2018 , 138, 110-118	3.3	30
52	Multiclass pesticide analysis in fruit-based baby food: A comparative study of sample preparation techniques previous to gas chromatography-mass spectrometry. <i>Food Chemistry</i> , 2016 , 212, 528-36	8.5	29
51	Acrylamide in Chips and French Fries: a Novel and Simple Method Using Xanthidrol for Its GC-MS Determination. <i>Food Analytical Methods</i> , 2015 , 8, 1436-1445	3.4	28
50	Determination of phosmet and its metabolites in olives by matrix solid-phase dispersion and gas chromatography-mass spectrometry. <i>Talanta</i> , 2007 , 73, 514-22	6.2	26
49	Comparative Fingerprint Changes of Toxic Volatiles in Low PUFA Vegetable Oils Under Deep-Frying. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2017 , 94, 271-284	1.8	25
48	MSPD Method to Determine Acrylamide in Food. <i>Food Analytical Methods</i> , 2009 , 2, 197-203	3.4	23
47	First approach to assess the bioaccessibility of bisphenol A in canned seafood. <i>Food Chemistry</i> , 2017 , 232, 501-507	8.5	22

46	Comparison of matrix solid-phase dispersion and liquid-liquid extraction for the chromatographic determination of fenthion and its metabolites in olives and olive oils. <i>Food Additives and Contaminants</i> , 2007 , 24, 156-64		22
45	DETERMINATION OF LACTIC, ACETIC, SUCCINIC, AND CITRIC ACIDS IN TABLE OLIVES BY HPLC/UV. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2001 , 24, 1029-1038	1.3	22
44	Effects of steaming on contaminants of emerging concern levels in seafood. <i>Food and Chemical Toxicology</i> , 2018 , 118, 490-504	4.7	22
43	Assessing the effects of seawater temperature and pH on the bioaccumulation of emerging chemical contaminants in marine bivalves. <i>Environmental Research</i> , 2018 , 161, 236-247	7.9	21
42	Early-life intake of major trace elements, bisphenol A, tetrabromobisphenol A and fatty acids: Comparing human milk and commercial infant formulas. <i>Environmental Research</i> , 2019 , 169, 246-255	7.9	21
41	4-Methylimidazole in soluble coffee and coffee substitutes. <i>Food Control</i> , 2016 , 63, 15-20	6.2	18
40	Biomonitoring of co-exposure to bisphenols by consumers of canned foodstuffs. <i>Environment International</i> , 2020 , 140, 105760	12.9	15
39	Multi-residue method for enantioseparation of psychoactive substances and beta blockers by gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1125, 121731	3.2	15
38	Development of a new gas chromatography-mass spectrometry (GC-MS) methodology for the evaluation of 5 α -reductase activity. <i>Talanta</i> , 2013 , 107, 154-61	6.2	15
37	Identification of 5,5 α -oxy-dimethylene-bis(2-furaldehyde) by thermal decomposition of 5-hydroxymethyl-2-furfuraldehyde. <i>Food Chemistry</i> , 1998 , 63, 473-477	8.5	15
36	Green determination of brominated flame retardants and organochloride pollutants in fish oils by vortex assisted liquid-liquid microextraction and gas chromatography-tandem mass spectrometry. <i>Talanta</i> , 2019 , 195, 251-257	6.2	15
35	Perfluorooctane sulfonic acid (PFOS) adsorbed to polyethylene microplastics: Accumulation and ecotoxicological effects in the clam <i>Scrobicularia plana</i> . <i>Marine Environmental Research</i> , 2021 , 164, 105249	2.3	15
34	Biogenic amines in liqueurs: Influence of processing and composition. <i>Journal of Food Composition and Analysis</i> , 2017 , 56, 147-155	4.1	14
33	Chemical composition and anti-cancer properties of <i>Juniperus oxycedrus</i> L. essential oils on estrogen receptor-positive breast cancer cells. <i>Journal of Functional Foods</i> , 2019 , 59, 261-271	5.1	13
32	Gas Chromatography-Mass Spectrometry Analysis of 4-Methylimidazole in Balsamic Vinegars and Processed Sauces. <i>Food Analytical Methods</i> , 2014 , 7, 1519-1525	3.4	13
31	Biogenic amine profile in unripe Arabica coffee beans processed according to dry and wet methods. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 4120-5	5.7	13
30	In situ acetylation dispersive liquid-liquid microextraction followed by gas chromatography-mass spectrometry for the simultaneous determination of musks, triclosan and methyl-triclosan in wastewaters. <i>International Journal of Environmental Analytical Chemistry</i> , 2019 , 99, 1-15	1.8	13
29	Bioaccumulation and ecotoxicological responses of juvenile white seabream (<i>Diplodus sargus</i>) exposed to triclosan, warming and acidification. <i>Environmental Pollution</i> , 2019 , 245, 427-442	9.3	13

28	A novel dispersive liquid-liquid microextraction using a low density deep eutectic solvent-gas chromatography tandem mass spectrometry for the determination of polycyclic aromatic hydrocarbons in soft drinks. <i>Journal of Chromatography A</i> , 2021 , 1635, 461736	4.5	13
27	Occurrence, trophic transfer, and health risk assessment of bisphenol analogues in seafood from the Persian Gulf. <i>Marine Pollution Bulletin</i> , 2020 , 154, 111036	6.7	11
26	Effect of the sodium reduction and smoking system on quality and safety of smoked salmon (<i>Salmo salar</i>). <i>Food and Chemical Toxicology</i> , 2020 , 143, 111554	4.7	10
25	Diets supplemented with <i>Saccharina latissima</i> influence the expression of genes related to lipid metabolism and oxidative stress modulating rainbow trout (<i>Oncorhynchus mykiss</i>) fillet composition. <i>Food and Chemical Toxicology</i> , 2020 , 140, 111332	4.7	10
24	Exploration of the phycoremediation potential of <i>Laminaria digitata</i> towards diflubenzuron, lindane, copper and cadmium in a multitrophic pilot-scale experiment. <i>Food and Chemical Toxicology</i> , 2017 , 104, 95-108	4.7	9
23	New steroidal 17 β -carboxy derivatives present anti-5 α -reductase activity and anti-proliferative effects in a human androgen-responsive prostate cancer cell line. <i>Biochimie</i> , 2013 , 95, 2097-106	4.6	9
22	Occurrence of pharmaceuticals in seafood from two Brazilian coastal areas: Implication for human risk assessment. <i>Science of the Total Environment</i> , 2022 , 803, 149744	10.2	8
21	Validation of an Enzyme-Linked Immunosorbent Assay (ELISA) Test Kit for Determination of Aflatoxin B1 in Corn Feed and Comparison with Liquid-Chromatography Tandem Mass Spectrometry (LC-MS/MS) Method. <i>Food Analytical Methods</i> , 2020 , 13, 1806-1816	3.4	6
20	New formulation for producing salmon p _H with reduced sodium content. <i>Food and Chemical Toxicology</i> , 2020 , 143, 111546	4.7	6
19	Determination of Polyamines in Baby Food by Gas Chromatography-Mass Spectrometry: Optimization of Extraction and Microwave-Assisted Derivatization Using Response Surface Methodology. <i>Food Analytical Methods</i> , 2017 , 10, 3548-3557	3.4	5
18	Herbs and herbal infusions: Determination of natural contaminants (mycotoxins and trace elements) and evaluation of their exposure. <i>Food Research International</i> , 2021 , 144, 110322	7	5
17	Impact of potatoes deep-frying on common monounsaturated-rich vegetable oils: a comparative study. <i>Journal of Food Science and Technology</i> , 2019 , 56, 290-301	3.3	5
16	Novel analytical approach to assess the profile of volatile phenols in Portuguese red wines. <i>Australian Journal of Grape and Wine Research</i> , 2020 , 26, 90-100	2.4	4
15	Long-term adverse effects of microplastics on <i>Daphnia magna</i> reproduction and population growth rate at increased water temperature and light intensity: Combined effects of stressors and interactions. <i>Science of the Total Environment</i> , 2021 , 784, 147082	10.2	4
14	Sample Preparation Approaches for the Analysis of Pesticide Residues in Olives and Olive Oils 2010 , 653-666		3
13	Urinary bisphenol levels in plastic industry workers. <i>Environmental Research</i> , 2021 , 202, 111666	7.9	3
12	Application in Food Analysis 2020 , 643-665		2
11	A novel GC-MS methodology to evaluate aromatase activity in human placental microsomes: a comparative study with the standard radiometric assay. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7005-7013	4.4	1

10	Contents of key bioactive and detrimental compounds in health performance coffees compared to conventional types of coffees sold in the United States market. <i>Food and Function</i> , 2020 , 11, 7561-7575	6.1	1
9	Phthalic acid esters and adipates in herbal-based soft drinks: an eco-friendly method. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 2903-2912	4.4	1
8	Effect of processing smoked salmon on contaminant contents. <i>Food and Chemical Toxicology</i> , 2021 , 153, 112276	4.7	1
7	Semi-industrial development of nutritious and healthy seafood dishes from sustainable species. <i>Food and Chemical Toxicology</i> , 2021 , 155, 112431	4.7	1
6	Emerging mycotoxins in infant and children foods: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-15	11.5	1
5	Occurrence and seasonal variation of several endocrine disruptor compounds (pesticides, bisphenols, musks and UV-filters) in water and sediments from the estuaries of Tagus and Douro Rivers (NE Atlantic Ocean coast).. <i>Science of the Total Environment</i> , 2022 , 155814	10.2	1
4	Multi-analyte gas chromatography-mass spectrometry method to monitor bisphenols, musk fragrances, ultraviolet filters, and pesticide residues in seafood.. <i>Journal of Chromatography A</i> , 2021 , 1663, 462755	4.5	0
3	Survey on endocrine-disrupting chemicals in seafood: Occurrence and distribution.. <i>Environmental Research</i> , 2022 , 112886	7.9	0
2	Polybrominated diphenyl ethers and their methoxylated congeners in Douro river estuary biota: Seasonal occurrence and risk assessment. <i>Science of the Total Environment</i> , 2021 , 790, 147916	10.2	0
1	Determination and Levels of Migrated Packaging Additives in Food1-23		