Cristina Delerue-Matos

List of Publications by Year
in descending order

469 papers	17,631 citations	15504 65 h-index	32842 100 g-index
472 all docs	472 docs citations	472 times ranked	20205 citing authors

#	Article	IF	Citations
1	Ecotoxicological aspects related to the presence of pharmaceuticals in the aquatic environment. Journal of Hazardous Materials, 2010, 175, 45-95.	12.4	1,166
2	Contribution of hospital effluents to the load of pharmaceuticals in urban wastewaters: Identification of ecologically relevant pharmaceuticals. Science of the Total Environment, 2013, 461-462, 302-316.	8.0	469
3	Mercury, cadmium, lead and arsenic levels in three pelagic fish species from the Atlantic Ocean: Intra- and inter-specific variability and human health risks for consumption. Food and Chemical Toxicology, 2011, 49, 923-932.	3.6	246
4	Green production of zero-valent iron nanoparticles using tree leaf extracts. Science of the Total Environment, 2013, 445-446, 1-8.	8.0	237
5	Presence of pharmaceuticals in the Lis river (Portugal): Sources, fate and seasonal variation. Science of the Total Environment, 2016, 573, 164-177.	8.0	230
6	Children environmental exposure to particulate matter and polycyclic aromatic hydrocarbons and biomonitoring in school environments: A review on indoor and outdoor exposure levels, major sources and health impacts. Environment International, 2019, 124, 180-204.	10.0	204
7	Characterization of green zero-valent iron nanoparticles produced with tree leaf extracts. Science of the Total Environment, 2015, 533, 76-81.	8.0	171
8	Assessment of non-steroidal anti-inflammatory and analgesic pharmaceuticals in seawaters of North of Portugal: Occurrence and environmental risk. Science of the Total Environment, 2015, 508, 240-250.	8.0	168
9	Application of green zero-valent iron nanoparticles to the remediation of soils contaminated with ibuprofen. Science of the Total Environment, 2013, 461-462, 323-329.	8.0	155
10	Assessment of 83 pharmaceuticals in WWTP influent and effluent samples by UHPLC-MS/MS: Hourly variation. Science of the Total Environment, 2019, 648, 582-600.	8.0	153
11	Molecularly imprinted polymer-based electrochemical sensors for environmental analysis. Biosensors and Bioelectronics, 2021, 172, 112719.	10.1	149
12	Removal of Cd(II), Zn(II) and Pb(II) from aqueous solutions by brown marine macro algae: Kinetic modelling. Journal of Hazardous Materials, 2008, 153, 493-501.	12.4	144
13	Brazilian fruit pulps as functional foods and additives: Evaluation of bioactive compounds. Food Chemistry, 2015, 172, 462-468.	8.2	144
14	Pre-treatment and extraction techniques for recovery of added value compounds from wastes throughout the agri-food chain. Green Chemistry, 2016, 18, 6160-6204.	9.0	136
15	Analysis of polycyclic aromatic hydrocarbons in fish: evaluation of a quick, easy, cheap, effective, rugged, and safe extraction method. Journal of Separation Science, 2009, 32, 3529-3538.	2.5	134
16	Electrochemical biosensors for Salmonella: State of the art and challenges in food safety assessment. Biosensors and Bioelectronics, 2018, 99, 667-682.	10.1	124
17	Molecular imprinted nanoelectrodes for ultra sensitive detection of ovarian cancer marker. Biosensors and Bioelectronics, 2012, 33, 179-183.	10.1	121
18	Optimizing the extraction of phenolic antioxidants from chestnut shells by subcritical water extraction using response surface methodology. Food Chemistry, 2021, 334, 127521.	8.2	117

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19	MIP-graphene-modified glassy carbon electrode for the determination of trimethoprim. Biosensors and Bioelectronics, 2014, 52, 56-61.	10.1	114
20	Agar extraction from integrated multitrophic aquacultured Gracilaria vermiculophylla: Evaluation of a microwave-assisted process using response surface methodology. Bioresource Technology, 2010, 101, 3258-3267.	9.6	109
21	Polycyclic aromatic hydrocarbons in gas and particulate phases of indoor environments influenced by tobacco smoke: Levels, phase distributions, and health risks. Atmospheric Environment, 2011, 45, 1799-1808.	4.1	109
22	Breast cancer biomarker (HER2-ECD) detection using a molecularly imprinted electrochemical sensor. Sensors and Actuators B: Chemical, 2018, 273, 1008-1014.	7.8	109
23	Brewer's spent grain from different types of malt: Evaluation of the antioxidant activity and identification of the major phenolic compounds. Food Research International, 2013, 54, 382-388.	6.2	106
24	Towards a reliable technology for antioxidant capacity and oxidative damage evaluation: Electrochemical (bio)sensors. Biosensors and Bioelectronics, 2011, 30, 1-12.	10.1	103
25	Valorization of apple tree wood residues by polyphenols extraction: Comparison between conventional and microwave-assisted extraction. Industrial Crops and Products, 2017, 104, 210-220.	5.2	101
26	The Use of Algae and Fungi for Removal of Pharmaceuticals by Bioremediation and Biosorption Processes: A Review. Water (Switzerland), 2019, 11, 1555.	2.7	100
27	Alzheimerâ€™s disease: Development of a sensitive label-free electrochemical immunosensor for detection of amyloid beta peptide. Sensors and Actuators B: Chemical, 2017, 239, 157-165.	7.8	98
28	Impact of vehicular traffic emissions on particulate-bound PAHs: Levels and associated health risks. Atmospheric Research, 2013, 127, 141-147.	4.1	96
29	Development of a SPEâ€“UHPLCâ€“MS/MS methodology for the determination of non-steroidal anti-inflammatory and analgesic pharmaceuticals in seawater. Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 61-70.	2.8	93
30	QuEChERS: A new sample preparation approach for the determination of ibuprofen and its metabolites in soils. Science of the Total Environment, 2012, 433, 281-289.	8.0	92
31	Utilization of food industry wastes for the production of zero-valent iron nanoparticles. Science of the Total Environment, 2014, 496, 233-240.	8.0	91
32	New Trends in Food Allergens Detection: Toward Biosensing Strategies. Critical Reviews in Food Science and Nutrition, 2016, 56, 2304-2319.	10.3	91
33	Molecularly imprinted electrochemical sensor for the point-of-care detection of a breast cancer biomarker (CA 15-3). Sensors and Actuators B: Chemical, 2018, 256, 905-912.	7.8	90
34	Antioxidant and biological activity of chamomile extracts obtained by different techniques: perspective of using superheated water for isolation of biologically active compounds. Industrial Crops and Products, 2015, 65, 582-591.	5.2	89
35	Biosensor based on multi-walled carbon nanotubes paste electrode modified with laccase for pirimicarb pesticide quantification. Talanta, 2013, 106, 137-143.	5.5	87
36	Electrochemical immunosensor for the analysis of the breast cancer biomarker HER2 ECD. Talanta, 2014, 129, 594-599.	5.5	86

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37	Development of a multi-residue method for the determination of human and veterinary pharmaceuticals and some of their metabolites in aqueous environmental matrices by SPE-UHPLCâ€“MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2017, 135, 75-86.	2.8	85
38	Magnetic dispersive micro solid-phase extraction and gas chromatography determination of organophosphorus pesticides in strawberries. Journal of Chromatography A, 2018, 1566, 1-12.	3.7	85
39	Air pollution from traffic emissions in Oporto, Portugal: Health and environmental implications. Microchemical Journal, 2011, 99, 51-59.	4.5	84
40	PAH air pollution at a Portuguese urban area: carcinogenic risks and sources identification. Environmental Science and Pollution Research, 2013, 20, 3932-3945.	5.3	83
41	MnFe2O4@CNT-N as novel electrochemical nanosensor for determination of caffeine, acetaminophen and ascorbic acid. Sensors and Actuators B: Chemical, 2015, 218, 128-136.	7.8	83
42	Optimization of <scp>Q</scp>u<scp>EC</scp>h<scp>ERS</scp> method for the analysis of organochlorine pesticides in soils with diverse organic matter. Journal of Separation Science, 2012, 35, 1521-1530.	2.5	82
43	A novel application of microwave-assisted extraction of polyphenols from brewerâ€™s spent grain with HPLC-DAD-MS analysis. Analytical and Bioanalytical Chemistry, 2012, 403, 1019-1029.	3.7	81
44	Molecularly imprinted sensor for voltammetric detection of norfloxacin. Sensors and Actuators B: Chemical, 2015, 219, 301-307.	7.8	81
45	Potential of Portuguese vine shoot wastes as natural resources of bioactive compounds. Science of the Total Environment, 2018, 634, 831-842.	8.0	81
46	Antibiotics and antidepressants occurrence in surface waters and sediments collected in the north of Portugal. Chemosphere, 2020, 239, 124729.	8.2	81
47	Molecularly imprinted electrochemical sensor for ochratoxin A detection in food samples. Sensors and Actuators B: Chemical, 2015, 215, 107-112.	7.8	80
48	Multi-residue methodology for pesticide screening in wines. Journal of Chromatography A, 2000, 889, 59-67.	3.7	77
49	Multiresidue pesticides analysis in soils using modified <scp>Q</scp>u<scp>EC</scp>h<scp>ERS</scp> with disposable pipette extraction and dispersive solidâ€phase extraction. Journal of Separation Science, 2013, 36, 376-382.	2.5	77
50	Metabolic control of T cell immune response through glycans in inflammatory bowel disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4651-E4660.	7.1	77
51	Electrochemical sensing of ecstasy with electropolymerized molecularly imprinted poly(o-phenylenediamine) polymer on the surface of disposable screen-printed carbon electrodes. Sensors and Actuators B: Chemical, 2019, 290, 378-386.	7.8	77
52	Detection of Ara h 1 (a major peanut allergen) in food using an electrochemical gold nanoparticle-coated screen-printed immunosensor. Biosensors and Bioelectronics, 2015, 64, 19-24.	10.1	76
53	Persistent organic pollutant levels in human visceral and subcutaneous adipose tissue in obese individualsâ€”Depot differences and dysmetabolism implications. Environmental Research, 2014, 133, 170-177.	7.5	75
54	Seaweeds from the Portuguese coast as a source of proteinaceous material: Total and free amino acid composition profile. Food Chemistry, 2018, 269, 264-275.	8.2	75

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55	Development of a disposable paper-based potentiometric immunosensor for real-time detection of a foodborne pathogen. Biosensors and Bioelectronics, 2019, 141, 111317.	10.1	75
56	Subcritical water extraction as an environmentally-friendly technique to recover bioactive compounds from traditional Serbian medicinal plants. Industrial Crops and Products, 2018, 111, 579-589.	5.2	74
57	Application of experimental design methodology to optimize antibiotics removal by walnut shell based activated carbon. Science of the Total Environment, 2019, 646, 168-176.	8.0	74
58	Sensitive bi-enzymatic biosensor based on polyphenoloxidasesâ€“gold nanoparticlesâ€“chitosan hybrid filmâ€“graphene doped carbon paste electrode for carbamates detection. Bioelectrochemistry, 2014, 98, 20-29.	4.6	72
59	Use of solvent extraction to remediate soils contaminated with hydrocarbons. Journal of Hazardous Materials, 2005, 124, 224-229.	12.4	70
60	Isolation of apigenin from subcritical water extracts: Optimization of the process. Journal of Supercritical Fluids, 2017, 120, 32-42.	3.2	70
61	Voltammetric immunosensor for the simultaneous analysis of the breast cancer biomarkers CA 15-3 and HER2-ECD. Sensors and Actuators B: Chemical, 2018, 255, 918-925.	7.8	70
62	Strawberries from integrated pest management and organic farming: Phenolic composition and antioxidant properties. Food Chemistry, 2012, 134, 1926-1931.	8.2	69
63	A perspective on LCA application in site remediation services: Critical review of challenges. Journal of Hazardous Materials, 2010, 175, 12-22.	12.4	68
64	The influence of the extraction temperature on polyphenolic profiles and bioactivity of chamomile (Matricaria chamomilla L.) subcritical water extracts. Food Chemistry, 2019, 271, 328-337.	8.2	68
65	DNA-based biosensor for the electrocatalytic determination of antioxidant capacity in beverages. Biosensors and Bioelectronics, 2011, 26, 2396-2401.	10.1	66
66	Heterogeneous kinetics of the reduction of chromium (VI) by elemental iron. Journal of Hazardous Materials, 2010, 175, 1042-1047.	12.4	65
67	Polycyclic aromatic hydrocarbons at fire stations: firefightersâ€™ exposure monitoring and biomonitoring, and assessment of the contribution to total internal dose. Journal of Hazardous Materials, 2017, 323, 184-194.	12.4	65
68	Development of a microwave-assisted extraction for the analysis of phenolic compounds from Rosmarinus officinalis. Journal of Food Engineering, 2013, 119, 525-532.	5.2	64
69	Iron oxide/gold core/shell nanomagnetic probes and CdS biolabels for amplified electrochemical immunosensing of Salmonella typhimurium. Biosensors and Bioelectronics, 2014, 51, 195-200.	10.1	64
70	Contribution of different vegetable types to exogenous nitrate and nitrite exposure. Food Chemistry, 2010, 120, 960-966.	8.2	63
71	Intra- and interspecific mineral composition variability of commercial instant coffees and coffee substitutes: Contribution to mineral intake. Food Chemistry, 2012, 130, 702-709.	8.2	63
72	Valorisation of underexploited Castanea sativa shells bioactive compounds recovered by supercritical fluid extraction with CO2: A response surface methodology approach. Journal of CO2 Utilization, 2020, 40, 101194.	6.8	63

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73	Quantum dots as nanolabels for breast cancer biomarker HER2-ECD analysis in human serum. Talanta, 2020, 208, 120430.	5.5	62
74	Control and comparison of the antioxidant capacity of beers. Food Research International, 2010, 43, 1702-1709.	6.2	61
75	Molecularly imprinted electrochemical sensor prepared on a screen printed carbon electrode for naloxone detection. Sensors and Actuators B: Chemical, 2017, 243, 745-752.	7.8	61
76	Chayote (Sechium edule): A review of nutritional composition, bioactivities and potential applications. Food Chemistry, 2019, 275, 557-568.	8.2	59
77	Sorption behaviour of bifenthrin on cork. Journal of Chromatography A, 2005, 1069, 127-132.	3.7	58
78	Organochlorine Pesticide Residues in Strawberries from Integrated Pest Management and Organic Farming. Journal of Agricultural and Food Chemistry, 2011, 59, 7582-7591.	5.2	58
79	Determination of Pesticides in Fruit and Fruit Juices by Chromatographic Methods. An Overview. Journal of Chromatographic Science, 2011, 49, 715-730.	1.4	58
80	Laccaseâ€“Prussian blue filmâ€“graphene doped carbon paste modified electrode for carbamate pesticides quantification. Biosensors and Bioelectronics, 2013, 47, 292-299.	10.1	57
81	Treatment of a simulated wastewater amended with a chiral pharmaceuticals mixture by an aerobic granular sludge sequencing batch reactor. International Biodeterioration and Biodegradation, 2016, 115, 277-285.	3.9	57
82	Quaternized cashew gum: An anti-staphylococcal and biocompatible cationic polymer for biotechnological applications. Carbohydrate Polymers, 2017, 157, 567-575.	10.2	57
83	Lipid content of frozen fish: Comparison of different extraction methods and variability during freezing storage. Food Chemistry, 2012, 131, 328-336.	8.2	56
84	In Situ Synthesis of Silver Nanoparticles in a Hydrogel of Carboxymethyl Cellulose with Phthalated-Cashew Gum as a Promising Antibacterial and Healing Agent. International Journal of Molecular Sciences, 2017, 18, 2399.	4.1	56
85	Development of electrochemical methods for determination of tramadolâ€”analytical application to pharmaceutical dosage forms. Journal of Pharmaceutical and Biomedical Analysis, 2003, 32, 975-981.	2.8	55
86	Development of a simple analytical method for the simultaneous determination of paracetamol, paracetamol-glucuronide and p-aminophenol in river water. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 930, 75-81.	2.3	55
87	Voltammetric Oxidation of Drugs of Abuse I. Morphine and Metabolites. Electroanalysis, 2004, 16, 1419-1426.	2.9	54
88	Pilot monitoring study of ibuprofen in surface waters of north of Portugal. Environmental Science and Pollution Research, 2013, 20, 2410-2420.	5.3	54
89	Flow injection amperometric determination of l-dopa, epinephrine or dopamine in pharmaceutical preparations. Journal of Pharmaceutical and Biomedical Analysis, 1997, 15, 845-849.	2.8	53
90	Analysis of polycyclic aromatic hydrocarbons in atmospheric particulate samples by microwaveâ€assisted extraction and liquid chromatography. Journal of Separation Science, 2009, 32, 501-510.	2.5	53

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91	Occurrence of Bisphenol A, Estrone, 17Î²-Estradiol and 17Î±-Ethinylestradiol in Portuguese Rivers. Bulletin of Environmental Contamination and Toxicology, 2013, 90, 73-78.	2.7	52
92	Enantiomeric fraction evaluation of pharmaceuticals in environmental matrices by liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2014, 1363, 226-235.	3.7	52
93	Espresso beverages of pure origin coffee: Mineral characterization, contribution for mineral intake and geographical discrimination. Food Chemistry, 2015, 177, 330-338.	8.2	52
94	Determination of pharmaceuticals in groundwater collected in five cemeteries' areas (Portugal). Science of the Total Environment, 2016, 569-570, 16-22.	8.0	52
95	Characterisation of ginger extracts obtained by subcritical water. Journal of Supercritical Fluids, 2017, 123, 92-100.	3.2	52
96	Structure and function of a novel antioxidant peptide from the skin of tropical frogs. Free Radical Biology and Medicine, 2018, 115, 68-79.	2.9	52
97	Electrochemical Methods in Pesticides Control. Analytical Letters, 2004, 37, 1755-1791.	1.8	51
98	Remediation of soils combining soil vapor extraction and bioremediation: Benzene. Chemosphere, 2010, 80, 823-828.	8.2	51
99	Green-Sustainable Recovery of Phenolic and Antioxidant Compounds from Industrial Chestnut Shells Using Ultrasound-Assisted Extraction: Optimization and Evaluation of Biological Activities In Vitro. Antioxidants, 2020, 9, 267.	5.1	51
100	Electrochemical evaluation of total antioxidant capacity of beverages using a purine-biosensor. Food Chemistry, 2012, 132, 1055-1062.	8.2	50
101	Chemical and biological screening of stinging nettle leaves extracts obtained by modern extraction techniques. Industrial Crops and Products, 2017, 108, 423-430.	5.2	50
102	In situ formation of gold nanoparticles in polymer inclusion membrane: Application as platform in a label-free potentiometric immunosensor for Salmonella typhimurium detection. Talanta, 2019, 194, 134-142.	5.5	50
103	Multiplexed electrochemical immunosensor for detection of celiac disease serological markers. Sensors and Actuators B: Chemical, 2013, 187, 33-39.	7.8	49
104	Simple laccase-based biosensor for formetanate hydrochloride quantification in fruits. Bioelectrochemistry, 2014, 95, 7-14.	4.6	49
105	Highly Monodisperse Fe₃O₄@Au Superparamagnetic Nanoparticles as Reproducible Platform for Genosensing Genetically Modified Organisms. ACS Sensors, 2016, 1, 1044-1053.	7.8	49
106	Assessment of polycyclic aromatic hydrocarbons in indoor and outdoor air of preschool environments (3â€“5 years old children). Environmental Pollution, 2016, 208, 382-394.	7.5	49
107	Response surface evaluation of microwave-assisted extraction conditions for Lycium barbarum bioactive compounds. Innovative Food Science and Emerging Technologies, 2016, 33, 319-326.	5.6	49
108	Screen-Printed Electrode-Based Sensors for Food Spoilage Control: Bacteria and Biogenic Amines Detection. Biosensors, 2020, 10, 139.	4.7	49

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109	Polycyclic aromatic hydrocarbons in primary school environments: Levels and potential risks. Science of the Total Environment, 2017, 575, 1156-1167.	8.0	48
110	Individual and mixture toxicity evaluation of three pharmaceuticals to the germination and growth of Lactuca sativa seeds. Science of the Total Environment, 2019, 673, 102-109.	8.0	48
111	Exploring the impacts of microplastics and associated chemicals in the terrestrial environment â€“ Exposure of soil invertebrates to tire particles. Environmental Research, 2021, 201, 111495.	7.5	48
112	Electrochemical determination of antioxidant capacities in flavored waters by guanine and adenine biosensors. Biosensors and Bioelectronics, 2008, 24, 591-599.	10.1	47
113	Analysis of polycyclic aromatic hydrocarbons in fish: Optimisation and validation of microwave-assisted extraction. Food Chemistry, 2012, 135, 234-242.	8.2	47
114	Total antioxidant capacity of plant infusions: Assessment using electrochemical DNA-based biosensor and spectrophotometric methods. Food Control, 2016, 68, 153-161.	5.5	47
115	Micro-QuEChERS extraction coupled to GCâ€“MS for a fast determination of Bisphenol A in human urine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1072, 9-16.	2.3	47
116	Electrochemical Sensing Platforms for HER2â€ECD Breast Cancer Biomarker Detection. Electroanalysis, 2019, 31, 121-128.	2.9	47
117	Summer savory extracts prepared by novel extraction methods resulted in enhanced biological activity. Industrial Crops and Products, 2017, 109, 875-881.	5.2	46
118	Electrochemical Biosensing in Cancer Diagnostics and Followâ€up. Electroanalysis, 2018, 30, 1584-1603.	2.9	46
119	Bioactivity, phytochemical profile and pro-healthy properties of Actinidia arguta: A review. Food Research International, 2020, 136, 109449.	6.2	46
120	Ecotoxicity tests using the green algae Chlorella vulgarisâ€"A useful tool in hazardous effluents management. Journal of Hazardous Materials, 2009, 167, 179-185.	12.4	45
121	Influence of Traffic Emissions on the Carcinogenic Polycyclic Aromatic Hydrocarbons in Outdoor Breathable Particles. Journal of the Air and Waste Management Association, 2010, 60, 393-401.	1.9	45
122	Remediation of sandy soils contaminated with hydrocarbons and halogenated hydrocarbons by soil vapour extraction. Journal of Environmental Management, 2012, 104, 195-201.	7.8	45
123	Fresh-cut aromatic herbs: Nutritional quality stability during shelf-life. LWT - Food Science and Technology, 2014, 59, 101-107.	5.2	45
124	Detection of the peanut allergen Ara h 6 in foodstuffs using a voltammetric biosensing approach. Analytical and Bioanalytical Chemistry, 2015, 407, 7157-7163.	3.7	45
125	LCA applied to nano scale zero valent iron synthesis. International Journal of Life Cycle Assessment, 2017, 22, 707-714.	4.7	45
126	Functionalized liposomes and phytosomes loading Annona muricata L. aqueous extract: Potential nanoshuttles for brain-delivery of phenolic compounds. Phytomedicine, 2018, 42, 233-244.	5.3	45

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127	Influence of tobacco smoke on carcinogenic PAH composition in indoor PM10 and PM2.5. Atmospheric Environment, 2009, 43, 6376-6382.	4.1	44
128	Green zero-valent iron nanoparticles for the degradation of amoxicillin. International Journal of Environmental Science and Technology, 2017, 14, 1109-1118.	3.5	44
129	Synergistic and antibiofilm properties of ocellatin peptides against multidrug-resistant Pseudomonas aeruginosa. Future Microbiology, 2018, 13, 151-163.	2.0	44
130	Comparative in vitro studies of the biological potential and chemical composition of stems, leaves and berries Aronia melanocarpa's extracts obtained by subcritical water extraction. Food and Chemical Toxicology, 2018, 121, 458-466.	3.6	44
131	Evaluation of the adsorption potential of biochars prepared from forest and agri-food wastes for the removal of fluoxetine. Bioresource Technology, 2019, 292, 121973.	9.6	44
132	Firefighters exposure to fire emissions: Impact on levels of biomarkers of exposure to polycyclic aromatic hydrocarbons and genotoxic/oxidative-effects. Journal of Hazardous Materials, 2020, 383, 121179.	12.4	44
133	Voltammetric Oxidation of Drugs of Abuse III. Heroin and Metabolites. Electroanalysis, 2004, 16, 1497-1502.	2.9	43
134	Analysis of pesticide residues in strawberries and soils by GC-MS/MS, LC-MS/MS and two-dimensional GC-time-of-flight MS comparing organic and integrated pest management farming. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2014, 31, 262-270.	2.3	43
135	Lycopene-rich extract from red guava (Psidium guajava L.) displays cytotoxic effect against human breast adenocarcinoma cell line MCF-7 via an apoptotic-like pathway. Food Research International, 2018, 105, 184-196.	6.2	43
136	Azithromycin electrochemical detection using a molecularly imprinted polymer prepared on a disposable screen-printed electrode. Analytical Methods, 2020, 12, 1486-1494.	2.7	43
137	Rational development of molecular imprinted carbon paste electrode for Furazolidone detection: theoretical and experimental approach. Sensors and Actuators B: Chemical, 2021, 329, 129112.	7.8	43
138	Voltammetric Oxidation of Drugs of Abuse II. Codeine and Metabolites. Electroanalysis, 2004, 16, 1427-1433.	2.9	42
139	Polycyclic aromatic hydrocarbon levels in three pelagic fish species from Atlantic Ocean: Inter-specific and inter-season comparisons and assessment of potential public health risks. Food and Chemical Toxicology, 2012, 50, 162-167.	3.6	42
140	Multi-elemental analysis of ready-to-eat â€œbaby leafâ€•vegetables using microwave digestion and high-resolution continuum source atomic absorption spectrometry. Food Chemistry, 2014, 151, 311-316.	8.2	42
141	A multivariate approach based on physicochemical parameters and biological potential for the botanical and geographical discrimination of Brazilian bee pollen. Food Bioscience, 2018, 25, 91-110.	4.4	42
142	Quantification of fluoroquinolones in wastewaters by liquid chromatography-tandem mass spectrometry. Environmental Pollution, 2020, 259, 113927.	7.5	42
143	Flavored Waters: Influence of Ingredients on Antioxidant Capacity and Terpenoid Profile by HS-SPME/GC-MS. Journal of Agricultural and Food Chemistry, 2011, 59, 5062-5072.	5.2	41
144	Determination of histamine in cheese by chronopotentiometry on a thin film mercury electrode. Food Chemistry, 2011, 124, 1172-1176.	8.2	40

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145	Metal accumulation and oxidative stress biomarkers in octopus (Octopus vulgaris) from Northwest Atlantic. Science of the Total Environment, 2012, 433, 230-237.	8.0	40
146	Ecotoxicological impact of two soil remediation treatments in Lactuca sativa seeds. Chemosphere, 2016, 159, 193-198.	8.2	40
147	Assessment of exposure to polycyclic aromatic hydrocarbons in preschool children: Levels and impact of preschool indoor air on excretion of main urinary monohydroxyl metabolites. Journal of Hazardous Materials, 2017, 322, 357-369.	12.4	40
148	Development of a SPME-GC-ECD methodology for selected pesticides in must and wine samples. Fresenius' Journal of Analytical Chemistry, 2001, 369, 647-651.	1.5	39
149	Determination of 24 Pesticide Residues in Fortified Wines by Solid-Phase Microextraction and Gas Chromatographyâ€“Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2011, 59, 6847-6855.	5.2	39
150	Electrocatalytic evaluation of DNA damage by superoxide radical for antioxidant capacity assessment. Journal of Electroanalytical Chemistry, 2011, 659, 43-49.	3.8	39
151	Structural, Physical, and Chemical Modifications Induced by Microwave Heating on Native Agar-like Galactans. Journal of Agricultural and Food Chemistry, 2012, 60, 4977-4985.	5.2	39
152	Removal of sulfamethoxazole from solution by raw and chemically treated walnut shells. Environmental Science and Pollution Research, 2012, 19, 3096-3106.	5.3	39
153	Extraction of ochratoxin A in bread samples by the QuEChERS methodology. Food Chemistry, 2012, 135, 2522-2528.	8.2	39
154	Emerging electrochemical biosensing approaches for detection of Listeria monocytogenes in food samples: An overview. Trends in Food Science and Technology, 2020, 99, 621-633.	15.1	39
155	Amperometric enzyme sensor for the rapid determination of histamine. Analytical Methods, 2019, 11, 1264-1269.	2.7	38
156	High-performance electrochemical immunomagnetic assay for breast cancer analysis. Sensors and Actuators B: Chemical, 2020, 308, 127667.	7.8	38
157	Characterization and Biological Activities of Ocellatin Peptides from the Skin Secretion of the Frog Leptodactylus pustulatus. Journal of Natural Products, 2015, 78, 1495-1504.	3.0	37
158	Firefightersâ€™ exposure biomonitoring: Impact of firefighting activities on levels of urinary monohydroxyl metabolites. International Journal of Hygiene and Environmental Health, 2016, 219, 857-866.	4.3	37
159	Subcritical water extraction of antioxidants from mountain germander (Teucrium montanum L.). Journal of Supercritical Fluids, 2018, 138, 200-206.	3.2	37
160	The development and optimization of a modified single-drop microextraction method for organochlorine pesticides determination by gas chromatography-tandem mass spectrometry. Mikrochimica Acta, 2012, 178, 195-202.	5.0	36
161	Anthropogenic contamination of Portuguese coastal waters during the bathing season: Assessment using caffeine as a chemical marker. Marine Pollution Bulletin, 2017, 120, 355-363.	5.0	36
162	Microwave-Assisted Extraction as a Green Technology Approach to Recover Polyphenols from Castanea sativa Shells. ACS Food Science & Technology, 2021, 1, 229-241.	2.7	36

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163	Electroanalytical determination of paroxetine in pharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2006, 42, 341-346.	2.8	35
164	Adsorption behavior of Î± -cypermethrin on cork and activated carbon. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 649-654.	1.5	35
165	Levels and risks of particulate-bound PAHs in indoor air influenced by tobacco smoke: a field measurement. Environmental Science and Pollution Research, 2014, 21, 4492-4501.	5.3	35
166	Sertraline accumulation and effects in the estuarine decapod Carcinus maenas: Importance of the history of exposure to chemical stress. Journal of Hazardous Materials, 2015, 283, 350-358.	12.4	35
167	Chitosan-based silver nanoparticles: A study of the antibacterial, antileishmanial and cytotoxic effects. Journal of Bioactive and Compatible Polymers, 2017, 32, 397-410.	2.1	35
168	Iodine Status and Iodised Salt Consumption in Portuguese School-Aged Children: The Iogeneration Study. Nutrients, 2017, 9, 458.	4.1	35
169	Microwaveâ€assisted extraction of phenolic compounds from <scp>Morus nigra</scp> leaves: optimization and characterization of the antioxidant activity and phenolic composition. Journal of Chemical Technology and Biotechnology, 2018, 93, 1684-1693.	3.2	35
170	Indoor particulate pollution in fitness centres with emphasis on ultrafine particles. Environmental Pollution, 2018, 233, 180-193.	7.5	35
171	Evaluation of the seaweeds Chondrus crispus and Ulva lactuca as functional ingredients in gilthead seabream (Sparus aurata). Journal of Applied Phycology, 2019, 31, 2115-2124.	2.8	35
172	Deltamethrin impact in a cabbage planted soil: Degradation and effect on microbial community structure. Chemosphere, 2019, 220, 1179-1186.	8.2	35
173	Electrochemical sensing of the thyroid hormone thyronamine (T0AM) via molecular imprinted polymers (MIPs). Talanta, 2019, 194, 689-696.	5.5	35
174	Immunomagnetic bead-based bioassay for the voltammetric analysis of the breast cancer biomarker HER2-ECD and tumour cells using quantum dots as detection labels. Mikrochimica Acta, 2020, 187, 184.	5.0	35
175	Determination of free formaldehyde in foundry resins as its 2,4-dinitrophenylhydrazone by liquid chromatography. Analytica Chimica Acta, 2002, 467, 97-103.	5.4	34
176	Comparative analysis of antioxidant, antimicrobiological and cytotoxic activities of native and fermented chamomile ligulate flower extracts. Planta, 2015, 242, 721-732.	3.2	34
177	Phenolic profile by HPLC-MS, biological potential, and nutritional value of a promising food: Monofloral bee pollen. Journal of Food Biochemistry, 2018, 42, e12536.	2.9	34
178	Electroanalytical study of the antidepressant sertraline. Journal of Pharmaceutical and Biomedical Analysis, 2005, 39, 290-293.	2.8	33
179	Soil vapor extraction in sandy soils: Influence of airflow rate. Chemosphere, 2008, 73, 1557-1561.	8.2	33
180	Optimization of the extraction of phytochemicals from black mulberry (Morus nigra L.) leaves. Journal of Industrial and Engineering Chemistry, 2018, 68, 282-292.	5.8	33

#	Article	IF	Citations
181	Adipose tissue dysfunction as a central mechanism leading to dysmetabolic obesity triggered by chronic exposure to p,pâ€™-DDE. Scientific Reports, 2017, 7, 2738.	3.3	32
182	Occupational exposure of firefighters to polycyclic aromatic hydrocarbons in non-fire work environments. Science of the Total Environment, 2017, 592, 277-287.	8.0	32
183	Bioactive compounds of sweet and sour cherry stems obtained by subcritical water extraction. Journal of Chemical Technology and Biotechnology, 2018, 93, 1627-1635.	3.2	32
184	Phytotoxicity of pyrethroid pesticides and its metabolite towards Cucumis sativus. Science of the Total Environment, 2018, 619-620, 685-691.	8.0	32
185	Third-generation electrochemical biosensor based on nitric oxide reductase immobilized in a multiwalled carbon nanotubes/1-n-butyl-3-methylimidazolium tetrafluoroborate nanocomposite for nitric oxide detection. Sensors and Actuators B: Chemical, 2019, 285, 445-452.	7.8	32
186	Environmental Particulate Matter Levels during 2017 Large Forest Fires and Megafires in the Center Region of Portugal: A Public Health Concern?. International Journal of Environmental Research and Public Health, 2020, 17, 1032.	2.6	32
187	Olive Fruit and Leaf Wastes as Bioactive Ingredients for Cosmeticsâ€”A Preliminary Study. Antioxidants, 2021, 10, 245.	5.1	32
188	Electrochemical oxidation of bentazon at a glassy carbon electrodeApplication to the determination of a commercial herbicide. Talanta, 1998, 46, 1131-1135.	5.5	31
189	Electrochemical DNA-sensor for evaluation of total antioxidant capacity of flavours and flavoured waters using superoxide radical damage. Biosensors and Bioelectronics, 2011, 26, 3748-3754.	10.1	31
190	Analysis of pharmaceutical adulterants in plant food supplements by UHPLC-MS/MS. European Journal of Pharmaceutical Sciences, 2017, 99, 219-227.	4.0	31
191	Chemical and biological insights on aronia stems extracts obtained by different extraction techniques: From wastes to functional products. Journal of Supercritical Fluids, 2017, 128, 173-181.	3.2	31
192	Acetylated cashew gum-based nanoparticles for the incorporation of alkaloid epiisopiloturine. International Journal of Biological Macromolecules, 2019, 128, 965-972.	7.5	31
193	Fast screening procedure for antibiotics in wastewaters by direct HPLCâ€ĐAD analysis. Journal of Separation Science, 2008, 31, 2924-2931.	2.5	30
194	Monitoring of ochratoxin A exposure of the Portuguese population through a nationwide urine survey â€" Winter 2007. Science of the Total Environment, 2010, 408, 1195-1198.	8.0	30
195	Validation of QuEChERS method for organochlorine pesticides analysis in tamarind (Tamarindus) Tj ETQq1 1 0.784314 rgBT /Overlock	5.5	30
196	Anthelmintic, Antibacterial and Cytotoxicity Activity of Imidazole Alkaloids fromPilocarpus microphyllusLeaves. Phytotherapy Research, 2017, 31, 624-630.	5.8	30
197	Screening of Bioactive Properties in Brown Algae from the Northwest Iberian Peninsula. Foods, 2021, 10, 1915.	4.3	30
198	Electrochemical Determination of Citalopram by Adsorptive Stripping Voltammetryâ€“Determination in Pharmaceutical Products. Analytical Letters, 2006, 39, 1907-1915.	1.8	29

#	Article	IF	Citations
199	Molinate quantification in environmental water by a glutathione-S-transferase based biosensor. Talanta, 2013, 106, 249-254.	5.5	29
200	Application of conventional and non-conventional extraction approaches for extraction of Erica carnea L.: Chemical profile and biological activity of obtained extracts. Journal of Supercritical Fluids, 2017, 128, 331-337.	3.2	29
201	A multibiomarker approach highlights effects induced by the human pharmaceutical gemfibrozil to gilthead seabream Sparus aurata. Aquatic Toxicology, 2018, 200, 266-274.	4.0	29
202	Castanea sativa shells: A review on phytochemical composition, bioactivity and waste management approaches for industrial valorization. Food Research International, 2021, 144, 110364.	6.2	29
203	Electrochemical Analysis of Opiatesâ€"An Overview. Analytical Letters, 2004, 37, 831-844.	1.8	28
204	Remediation efficiency of vapour extraction of sandy soils contaminated with cyclohexane: Influence of air flow rate, water and natural organic matter content. Environmental Pollution, 2006, 143, 146-152.	7.5	28
205	Polycyclic aromatic hydrocarbons in commercial squids from different geographical origins: Levels and risks for human consumption. Food and Chemical Toxicology, 2013, 59, 46-54.	3.6	28
206	Evaluation of the Extraction Temperature Influence on Polyphenolic Profiles of Vine-Canes (Vitis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	4.3	28
207	Production of ethyl levulinate fuel bioadditive from 5-hydroxymethylfurfural over sulfonic acid functionalized biochar catalysts. Fuel, 2021, 303, 121227.	6.4	28
208	Dual augmentation for aerobic bioremediation of MTBE and TCE pollution in heavy metal-contaminated soil. Biodegradation, 2009, 20, 375-382.	3.0	27
209	Individual and cumulative impacts of fire emissions and tobacco consumption on wildland firefightersâ€™ total exposure to polycyclic aromatic hydrocarbons. Journal of Hazardous Materials, 2017, 334, 10-20.	12.4	27
210	Liquid by-products from fish canning industry as sustainable sources of Ï‰3 lipids. Journal of Environmental Management, 2018, 219, 9-17.	7.8	27
211	Disposable electrochemical immunosensor for analysis of cystatin C, a CKD biomarker. Talanta, 2019, 201, 211-216.	5.5	27
212	Antibacterial application of natural and carboxymethylated cashew gum-based silver nanoparticles produced by microwave-assisted synthesis. Carbohydrate Polymers, 2020, 241, 115260.	10.2	27
213	Comparative Assessment of Phytochemical Profiles of Comfrey (Symphytum officinale L.) Root Extracts Obtained by Different Extraction Techniques. Molecules, 2020, 25, 837.	3.8	27
214	Flow-injection analysis of Kjeldahl nitrogen in milk and dairy products by potentiometric detection. Analytica Chimica Acta, 1999, 385, 437-441.	5.4	26
215	Electrochemical behaviour of Venlafaxine and its determination in pharmaceutical products using square wave voltammetry. Il Farmaco, 1999, 54, 145-148.	0.9	26
216	Electrochemical oxidation of propanil and related N-substituted amides. Analytica Chimica Acta, 2001, 434, 35-41.	5.4	26

#	Article	IF	Citations
217	Celiac disease diagnosis and gluten-free food analytical control. Analytical and Bioanalytical Chemistry, 2010, 397, 1743-1753.	3.7	26
218	Determination of total petroleum hydrocarbons in soil from different locations using infrared spectrophotometry and gas chromatography. Chemical Papers, 2012, 66, .	2.2	26
219	Polycyclic aromatic hydrocarbons: levels and phase distributions in preschool microenvironment. Indoor Air, 2015, 25, 557-568.	4.3	26
220	A potentiometric magnetic immunoassay for rapid detection of Salmonella typhimurium. Analytical Methods, 2015, 7, 4008-4011.	2.7	26
221	Electrochemical genoassays on gold-coated magnetic nanoparticles to quantify genetically modified organisms (GMOs) in food and feed as GMO percentage. Biosensors and Bioelectronics, 2018, 110, 147-154.	10.1	26
222	Biosensor for direct bioelectrocatalysis detection of nitric oxide using nitric oxide reductase incorporated in carboxylated single-walled carbon nanotubes/lipidic 3 bilayer nanocomposite. Bioelectrochemistry, 2019, 127, 76-86.	4.6	26
223	Vine-Canes Valorisation: Ultrasound-Assisted Extraction from Lab to Pilot Scale. Molecules, 2020, 25, 1739.	3.8	26
224	Diamine oxidase-modified screen-printed electrode for the redox-mediated determination of histamine. Journal of Analytical Science and Technology, 2020, 11, .	2.1	26
225	Squareâ€Wave Adsorptiveâ€Stripping Voltammetric Detection in the Quality Control of Fluoxetine. Analytical Letters, 2007, 40, 1131-1146.	1.8	25
226	Analysis of six fungicides and one acaricide in still and fortified wines using solid-phase microextraction-gas chromatography/tandem mass spectrometry. Food Chemistry, 2012, 132, 630-636.	8.2	25
227	Identification of Eschweilenol C in derivative of Terminalia fagifolia Mart. and green synthesis of bioactive and biocompatible silver nanoparticles. Industrial Crops and Products, 2019, 137, 52-65.	5.2	25
228	Electrochemical impedance spectroscopy characterization of beverages. Food Chemistry, 2020, 302, 125345.	8.2	25
229	Critical Review of Lipid-Based Nanoparticles as Carriers of Neuroprotective Drugs and Extracts. Nanomaterials, 2021, 11, 563.	4.1	25
230	Pesticide residues in Portuguese strawberries grown in 2009â€“2010 using integrated pest management and organic farming. Environmental Science and Pollution Research, 2012, 19, 4184-4192.	5.3	24
231	Assessment of nutritional and metabolic profiles of pea shoots: The new ready-to-eat baby-leaf vegetable. Food Research International, 2014, 58, 105-111.	6.2	24
232	An uncertainty and sensitivity analysis applied to the prioritisation of pharmaceuticals as surface water contaminants from wastewater treatment plant direct emissions. Science of the Total Environment, 2014, 490, 342-350.	8.0	24
233	Assessment of air quality in preschool environments (3â€“5 years old children) with emphasis on elemental composition of PM10 and PM2.5. Environmental Pollution, 2016, 214, 430-439.	7.5	24
234	Development of a modified acetonitrile-based extraction procedure followed by ultra-high performance liquid chromatographyâ€“tandem mass spectrometry for the analysis of psychiatric drugs in sediments. Journal of Chromatography A, 2016, 1437, 37-48.	3.7	24

#	Article	IF	Citations
235	New technological approaches for recovering bioactive food constituents from sweet cherry (<scp>Prunus avium</scp> L.) stems. Phytochemical Analysis, 2020, 31, 119-130.	2.4	24
236	Mineral Composition of Subcritical Water Extracts of Saccorhiza Polyschides, a Brown Seaweed Used as Fertilizer in the North of Portugal. Journal of Marine Science and Engineering, 2020, 8, 244.	2.6	24
237	Marine Health-Promoting Compounds: Recent Trends for Their Characterization and Human Applications. Foods, 2021, 10, 3100.	4.3	24
238	Optimization of Cu(II) biosorption onto Ascophyllum nodosum by factorial design methodology. Journal of Hazardous Materials, 2009, 167, 449-454.	12.4	23
239	Nanohybrid Materials as Transducer Surfaces for Electrochemical Sensing Applications. Electroanalysis, 2011, 23, 63-71.	2.9	23
240	Electrochemical immunosensor towards invasion-associated protein p60: An alternative strategy for Listeria monocytogenes screening in food. Talanta, 2020, 216, 120976.	5.5	23
241	Flow Injection System with Potentiometric Detection for the Determination of Urea Content in Milks. Journal of Agricultural and Food Chemistry, 1998, 46, 1386-1389.	5.2	22
242	Inflammatory and Cardiometabolic Risk on Obesity: Role of Environmental Xenoestrogens. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 1792-1801.	3.6	22
243	Assessment of groundwater contamination in an agricultural peri-urban area (NW Portugal): an integrated approach. Environmental Earth Sciences, 2015, 73, 2881-2894.	2.7	22
244	Organochlorine pesticide analysis in milk by gas-diffusion microextraction with gas chromatography-electron capture detection and confirmation by mass spectrometry. Journal of Chromatography A, 2021, 1636, 461797.	3.7	22
245	Low Cost, Easy to Prepare and Disposable Electrochemical Molecularly Imprinted Sensor for Diclofenac Detection. Sensors, 2021, 21, 1975.	3.8	22
246	Salicornia ramosissima Bioactive Composition and Safety: Eco-Friendly Extractions Approach (Microwave-Assisted Extraction vs. Conventional Maceration). Applied Sciences (Switzerland), 2021, 11, 4744.	2.5	22
247	Electroanalytical study of fluvoxamine. Analytical and Bioanalytical Chemistry, 2005, 382, 1662-1668.	3.7	21
248	Determination of carbamate and urea pesticide residues in fresh vegetables using microwave-assisted extraction and liquid chromatography. International Journal of Environmental Analytical Chemistry, 2009, 89, 199-210.	3.3	21
249	Ultrasensitive detection of ovarian cancer marker using immunoliposomes and gold nanoelectrodes. Analytica Chimica Acta, 2012, 726, 79-84.	5.4	21
250	Multimedia fate modeling and comparative impact on freshwater ecosystems of pharmaceuticals from biosolids-amended soils. Chemosphere, 2013, 93, 252-262.	8.2	21
251	Genotoxicity of gemfibrozil in the gilthead seabream (Sparus aurata). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2017, 821, 36-42.	1.7	21
252	Thaulin-1: The first antimicrobial peptide isolated from the skin of a Patagonian frog Pleurodema thaul (Anura: Leptodactylidae: Leiuperinae) with activity against Escherichia coli. Gene, 2017, 605, 70-80.	2.2	21

#	Article	IF	Citations
253	HPLCâ€ĐAD, ESIâ€“MS/MS, and NMR of Lycopene Isolated From P. guajava L. and Its Biotechnological Applications. European Journal of Lipid Science and Technology, 2018, 120, 1700330.	1.5	21
254	Method development for the determination of Synthetic Musks and Organophosphorus Pesticides in Human Adipose Tissue. Journal of Pharmaceutical and Biomedical Analysis, 2020, 191, 113598.	2.8	21
255	Exposure of nursing mothers to polycyclic aromatic hydrocarbons: Levels of un-metabolized and metabolized compounds in breast milk, major sources of exposure and infantsâ€™ health risks. Environmental Pollution, 2020, 266, 115243.	7.5	21
256	Multi-Step Subcritical Water Extracts of Fucus vesiculosus L. and Codium tomentosum Stackhouse: Composition, Health-Benefits and Safety. Processes, 2021, 9, 893.	2.8	21
257	Microplastic Pollution Focused on Sources, Distribution, Contaminant Interactions, Analytical Methods, and Wastewater Removal Strategies: A Review. International Journal of Environmental Research and Public Health, 2022, 19, 5610.	2.6	21
258	New insights into the oxidation pathways of apomorphine. Perkin Transactions II RSC, 2002, , 1713-1717.	1.1	20
259	Use and Reuse of SPE Disks for the Determination of Pyrethroids in Water by GC-ECD. Analytical Letters, 2009, 42, 706-726.	1.8	20
260	Continuous adsorption studies of pharmaceuticals in multicomponent mixtures by agroforestry biochar. Journal of Environmental Chemical Engineering, 2022, 10, 106977.	6.7	20
261	Laccase bioconjugate and multi-walled carbon nanotubes-based biosensor for bisphenol A analysis. Bioelectrochemistry, 2022, 144, 108033.	4.6	20
262	Natural Products for the Prevention and Treatment of Oral Mucositisâ€”A Review. International Journal of Molecular Sciences, 2022, 23, 4385.	4.1	20
263	ELECTROANALYTICAL DETERMINATION OF CODEINE IN PHARMACEUTICAL PREPARATIONS. Analytical Letters, 2002, 35, 2487-2498.	1.8	19
264	Determination of free furfuryl alcohol in foundry resins by chromatographic techniques. Analytica Chimica Acta, 2005, 537, 47-51.	5.4	19
265	Soil remediation time to achieve clean-up goals II: Influence of natural organic matter and water contents. Chemosphere, 2006, 64, 817-825.	8.2	19
266	Valorization Potential of Oilseed Cakes by Subcritical Water Extraction. Applied Sciences (Switzerland), 2020, 10, 8815.	2.5	19
267	Electro-Fenton degradation of a ternary pharmaceutical mixture and its application in the regeneration of spent biochar. Journal of Electroanalytical Chemistry, 2021, 886, 115135.	3.8	19
268	Determination of ametryn in soils via microwave-assisted solvent extraction coupled to anodic stripping voltammetry with a gold ultramicroelectrode. Analytical and Bioanalytical Chemistry, 2005, 382, 477-484.	3.7	18
269	Flavoured versus natural waters: Macromineral (Ca, Mg, K, Na) and micromineral (Fe, Cu, Zn) contents. Food Chemistry, 2009, 116, 580-589.	8.2	18
270	Commercial squids: Characterization, assessment of potential health benefits/risks and discrimination based on mineral, lipid and vitamin E concentrations. Food and Chemical Toxicology, 2014, 67, 44-56.	3.6	18

#	Article	IF	Citations
271	Integrated biomarker responses of an estuarine invertebrate to high abiotic stress and decreased metal contamination. Marine Environmental Research, 2014, 101, 101-114.	2.5	18
272	Joint effects of salinity and the antidepressant sertraline on the estuarine decapod Carcinus maenas. Aquatic Toxicology, 2014, 156, 169-178.	4.0	18
273	3D-nanostructured Au electrodes for the event-specific detection of MON810 transgenic maize. Talanta, 2015, 134, 158-164.	5.5	18
274	Impedimetric immunosensors for the detection of Cry1Ab protein from genetically modified maize seeds. Sensors and Actuators B: Chemical, 2016, 237, 702-709.	7.8	18
275	Ocellatinâ€<scp>PT</scp> antimicrobial peptides: Highâ€resolution microscopy studies in antileishmania models and interactions with mimetic membrane systems. Biopolymers, 2016, 105, 873-886.	2.4	18
276	Improving the extraction of Ara h 6 (a peanut allergen) from a chocolate-based matrix for immunosensing detection: Influence of time, temperature and additives. Food Chemistry, 2017, 218, 242-248.	8.2	18
277	Improved QuEChERS for Analysis of Polybrominated Diphenyl Ethers and Novel Brominated Flame Retardants in Capsicum Cultivars Using Gas Chromatography. Journal of Agricultural and Food Chemistry, 2020, 68, 3260-3266.	5.2	18
278	Adsorptive Stripping Voltammetric Determination of Venlafaxine in Urine with a Mercury Film Microelectrode. Analytical Letters, 2003, 36, 2515-2526.	1.8	17
279	Screening of Carbamates and Ureas in Fresh and Processed Tomato Samples using Microwave-Assisted Extraction and Liquid Chromatography. Analytical Letters, 2009, 42, 265-283.	1.8	17
280	Analysing organochlorine pesticides in strawberry jams using GC-ECD, GC-MS/MS and QuEChERS sample preparation. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2012, 29, 1074-1084.	2.3	17
281	Seasonal patterns of polycyclic aromatic hydrocarbons in digestive gland and arm of octopus (Octopus vulgaris) from the Northwest Atlantic. Science of the Total Environment, 2014, 481, 488-497.	8.0	17
282	Electrochemical magnetoassay coupled to PCR as a quantitative approach to detect the soybean transgenic event GTS40-3-2 in foods. Sensors and Actuators B: Chemical, 2016, 222, 1050-1057.	7.8	17
283	Labelâ€free Voltammetric Immunosensor for Prostate Specific Antigen Detection. Electroanalysis, 2018, 30, 2604-2611.	2.9	17
284	Vine-Canes as a Source of Value-Added Compounds for Cosmetic Formulations. Molecules, 2020, 25, 2969.	3.8	17
285	Carbon paper as a promising sensing material: Characterization and electroanalysis of ketoprofen in wastewater and fish. Talanta, 2021, 226, 122111.	5.5	17
286	Multi-residue analysis of fifty pesticides in river waters and in wastewaters. Environmental Science and Pollution Research, 2021, 28, 66787-66803.	5.3	17
287	The role of adipose tissue analysis on Environmental Pollutants Biomonitoring in women: The European scenario. Science of the Total Environment, 2022, 806, 150922.	8.0	17
288	Valorization of Kiwiberry Leaves Recovered by Ultrasound-Assisted Extraction for Skin Application: A Response Surface Methodology Approach. Antioxidants, 2022, 11, 763.	5.1	17

#	Article	IF	Citations
289	Citrate selective electrodes for the flow injection analysis of soft drinks, beers and pharmaceutical products. Analytica Chimica Acta, 2002, 471, 41-49.	5.4	16
290	A Multiresidue Method for the Analysis of Carbamate and Urea Pesticides from Soils by Microwave-Assisted Extraction and Liquid Chromatography with Photodiode Array Detection. Analytical Letters, 2008, 41, 1751-1772.	1.8	16
291	Salt content in bread and dough from northern Portugal: Method development and comparison. Journal of Food Composition and Analysis, 2012, 27, 14-20.	3.9	16
292	Determination of Ochratoxin A in Bread: Evaluation of Microwave-Assisted Extraction Using an Orthogonal Composite Design Coupled with Response Surface Methodology. Food and Bioprocess Technology, 2013, 6, 2466-2477.	4.7	16
293	Determination of Methiocarb and Its Degradation Products, Methiocarb Sulfoxide and Methiocarb Sulfone, in Bananas Using QuEChERS Extraction. Journal of Agricultural and Food Chemistry, 2013, 61, 325-331.	5.2	16
294	PMo11V@N-CNT electrochemical properties and its application as electrochemical sensor for determination of acetaminophen. Journal of Solid State Electrochemistry, 2017, 21, 1059-1068.	2.5	16
295	Commercial octopus species from different geographical origins: Levels of polycyclic aromatic hydrocarbons and potential health risks for consumers. Food and Chemical Toxicology, 2018, 121, 272-282.	3.6	16
296	Assessment of sustainability of groundwater in urban areas (Porto, NW Portugal): a GIS mapping approach to evaluate vulnerability, infiltration and recharge. Environmental Earth Sciences, 2019, 78, 1.	2.7	16
297	Extraordinary composition of Actinidia arguta by-products as skin ingredients: A new challenge for cosmetic and medical skincare industries. Trends in Food Science and Technology, 2021, 116, 842-853.	15.1	16
298	Occurrence of pesticides and environmental contaminants in vineyards: Case study of Portuguese grapevine canes. Science of the Total Environment, 2021, 791, 148395.	8.0	16
299	Oxidative behaviour of apomorphine and its metabolites. Bioelectrochemistry, 2002, 55, 113-114.	4.6	15
300	Amperometric and spectrophotometric determination of carbaryl in natural waters and commercial formulations. Analytical and Bioanalytical Chemistry, 2003, 377, 356-361.	3.7	15
301	Evaluation of the total antioxidant capacity of flavored water and electrochemical purine damage by sulfate radicals using a purine-based sensor. Electrochimica Acta, 2011, 56, 8954-8961.	5.2	15
302	Mass Spectrometry Parameters Optimization for the 46 Multiclass Pesticides Determination in Strawberries with Gas Chromatography Ion-Trap Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2012, 23, 2187-2197.	2.8	15
303	Optimization and validation of organochlorine compounds in adipose tissue by SPEâ€gas chromatography. Biomedical Chromatography, 2012, 26, 1494-1501.	1.7	15
304	Optimization of QuEChERS Procedure Coupled to GC-ECD for Organochlorine Pesticide Determination in Carrot Samples. Food Analytical Methods, 2013, 6, 587-597.	2.6	15
305	Adsorption of Fluoxetine and Venlafaxine onto the Marine Seaweed Bifurcaria bifurcata. Environmental Engineering Science, 2019, 36, 573-582.	1.6	15
306	Grill Workers Exposure to Polycyclic Aromatic Hydrocarbons: Levels and Excretion Profiles of the Urinary Biomarkers. International Journal of Environmental Research and Public Health, 2021, 18, 230.	2.6	15

#	Article	IF	Citations
307	Impact of brominated flame retardants on lipid metabolism: An in vitro approach. Environmental Pollution, 2022, 294, 118639.	7.5	15
308	Multi-target neuroprotective effects of herbal medicines for Alzheimer's disease. Journal of Ethnopharmacology, 2022, 290, 115107.	4.1	15
309	FIA automatic dilution system for the determination of metallic cations in waters by atomic absorption and flame emission spectrometry. Journal of Automated Methods and Management in Chemistry, 1996, 18, 17-21.	0.3	14
310	Determination of citric acid in soft drinks using flow injection with potentiometric detection. Fresenius' Journal of Analytical Chemistry, 1999, 364, 266-269.	1.5	14
311	Static and Hydrodynamic Monitoring of Citalopram Based on its Electro-oxidation Behavior at a Glassy-Carbon Surface. Analytical Letters, 2008, 41, 2171-2185.	1.8	14
312	Estimation of pollutant partition in sandy soils with different water contents. Environmental Monitoring and Assessment, 2010, 171, 171-180.	2.7	14
313	Voltammetric analysis of mancozeb and its degradation product ethylenethiourea. Journal of Electroanalytical Chemistry, 2015, 758, 54-58.	3.8	14
314	Investigating the Antioxidant Capacity of Fruits and Fruit Byproducts through an Introductory Food Chemistry Experiment for High School. Journal of Chemical Education, 2017, 94, 1291-1295.	2.3	14
315	Phthalates and type 1 diabetes: is there any link?. Environmental Science and Pollution Research, 2018, 25, 17915-17919.	5.3	14
316	A new source for developing multiâ€functional products: biological and chemical perspectives on subcritical water extracts of Sambucus ebulus L.. Journal of Chemical Technology and Biotechnology, 2018, 93, 1097-1104.	3.2	14
317	Pyrethroid pesticide metabolite, 3-PBA, in soils: method development and application to real agricultural soils. Environmental Science and Pollution Research, 2019, 26, 2987-2997.	5.3	14
318	Evaluation of the QuEChERS and magnetic micro dispersive solid-phase extraction of brominated flame retardants in red fruits with determination by GC/MS. Food Chemistry, 2020, 309, 125572.	8.2	14
319	An Insight into Kiwiberry Leaf Valorization: Phenolic Composition, Bioactivity and Health Benefits. Molecules, 2021, 26, 2314.	3.8	14
320	Bioactive Lipids of Seaweeds from the Portuguese North Coast: Health Benefits versus Potential Contamination. Foods, 2021, 10, 1366.	4.3	14
321	A simple electrochemical detection of atorvastatin based on disposable screen-printed carbon electrodes modified by molecularly imprinted polymer: Experiment and simulation. Analytica Chimica Acta, 2022, 1194, 339410.	5.4	14
322	Biological Potential, Gastrointestinal Digestion, Absorption, and Bioavailability of Algae-Derived Compounds with Neuroprotective Activity: A Comprehensive Review. Marine Drugs, 2022, 20, 362.	4.6	14
323	Development of an FIA system with amperometric detection for determination of bentazone in estuarine waters. Analytical and Bioanalytical Chemistry, 2002, 373, 295-298.	3.7	13
324	Electrochemical and Spectroscopic Studies of the Oxidation Mechanism of the Herbicide Propanil. Journal of Agricultural and Food Chemistry, 2003, 51, 876-879.	5.2	13

#	Article	IF	Citations
325	Survey of trace elements (Al, As, Cd, Cr, Co, Hg, Mn, Ni, Pb, Se, and Si) in retail samples of flavoured and bottled waters. Food Additives and Contaminants: Part B Surveillance, 2009, 2, 121-130.	2.8	13
326	Influencing factors on bread-derived exposure to ochratoxin A: Type, origin and composition. Food and Chemical Toxicology, 2010, 48, 2139-2147.	3.6	13
327	QuEChERS and soil analysis. An Overview.. Sample Preparation, 2013, 1, .	0.4	13
328	Impact of excipients in the chronic toxicity of fluoxetine on the algaChlorella vulgaris. Environmental Technology (United Kingdom), 2014, 35, 3124-3129.	2.2	13
329	Comparison of Disposable Pipette Extraction and Dispersive Solid-Phase Extraction in the QuEChERS Method for Analysis of Pesticides in Strawberries. Journal of Chromatographic Science, 2014, 52, 1339-1345.	1.4	13
330	Indoor air quality in preschools (3- to 5-year-old children) in the Northeast of Portugal during springâ€“summer season: pollutants and comfort parameters. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 740-755.	2.3	13
331	Bioaccessibility and intestinal uptake of minerals from different types of home-cooked and ready-to-eat beans. Journal of Functional Foods, 2018, 50, 201-209.	3.4	13
332	Structureâ€“Activity Relationship of Piplartine and Synthetic Analogues against Schistosoma mansoni and Cytotoxicity to Mammalian Cells. International Journal of Molecular Sciences, 2018, 19, 1802.	4.1	13
333	Assessment of Pyrethroid Pesticides in Topsoils in Northern Portugal. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	13
334	Monitoring survey of caffeine in surface waters (Lis River) and wastewaters located at Leiria Town in Portugal. Environmental Science and Pollution Research, 2019, 26, 33440-33450.	5.3	13
335	Copper nanoparticles stabilized with cashew gum: Antimicrobial activity and cytotoxicity against 4T1 mouse mammary tumor cell line. Journal of Biomaterials Applications, 2019, 34, 188-197.	2.4	13
336	Organochlorine pesticides, brominated flame retardants, synthetic musks and polycyclic aromatic hydrocarbons in shrimps. An overview of occurrence and its implication on human exposure. Heliyon, 2020, 6, e04870.	3.2	13
337	Electrochemical Immunosensor for the Simultaneous Determination of Two Main Peanut Allergenic Proteins (Ara h 1 and Ara h 6) in Food Matrices. Foods, 2021, 10, 1718.	4.3	13
338	Seaweeds rehydration and boiling: Impact on iodine, sodium, potassium, selenium, and total arsenic contents and health benefits for consumption. Food and Chemical Toxicology, 2021, 155, 112385.	3.6	13
339	Electroanalytical Study of the Pesticide Asulam. International Journal of Environmental Analytical Chemistry, 2002, 82, 69-76.	3.3	12
340	Multiresidue Method for the Determination of Organophosphorus Pesticides in Still Wine and Fortified Wine Using Solid-Phase Microextraction and Gas Chromatography â€“ Tandem Mass Spectrometry. Analytical Letters, 2011, 44, 1021-1035.	1.8	12
341	Response surface methodology applied to <scp>SPE</scp> for the determination of ibuprofen in various types of water samples. Journal of Separation Science, 2013, 36, 3220-3225.	2.5	12
342	Application of the QuEChERS method for the determination of organochlorine pesticide residues in Brazilian fruit pulps by GC-ECD. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2017, 52, 48-58.	1.5	12

#	Article	IF	Citations
343	Nitric Oxide Detection Using Electrochemical Thirdâ€generation Biosensors â€“ Based on Heme Proteins and Porphyrins. Electroanalysis, 2018, 30, 2485-2503.	2.9	12
344	Automation of iron and copper determination in milks using FIA systems and colourimetric detection. Food Chemistry, 1998, 62, 117-121.	8.2	11
345	Determination of tartaric acid in wines by FIA with tubular tartrate-selective electrodes. Fresenius' Journal of Analytical Chemistry, 2001, 369, 446-450.	1.5	11
346	Electroanalytical Determination of Oxadiazon and Characterization of Its Base-Catalyzed Ring-Opening Products. Electroanalysis, 2001, 13, 199-203.	2.9	11
347	Accounting for the dissociating properties of organic chemicals in LCIA: An uncertainty analysis applied to micropollutants in the assessment of freshwater ecotoxicity. Journal of Hazardous Materials, 2013, 248-249, 461-468.	12.4	11
348	Effects of Soil Compaction and Organic Carbon Content on Preferential Flow in Loamy Field Soils. Soil Science, 2015, 180, 10-20.	0.9	11
349	Exposure to polycyclic aromatic hydrocarbons and assessment of potential risks in preschool children. Environmental Science and Pollution Research, 2015, 22, 13892-13902.	5.3	11
350	Layer-by-layer films containing peptides of the Cry1Ab16 toxin from Bacillus thuringiensis for potential biotechnological applications. Materials Science and Engineering C, 2016, 61, 832-841.	7.3	11
351	Functional coffee substitute prepared from ginger by subcritical water. Journal of Supercritical Fluids, 2017, 128, 32-38.	3.2	11
352	Evaluation of the impact of pre-treatment and extraction conditions on the polyphenolic profile and antioxidant activity of Belgium apple wood. European Food Research and Technology, 2019, 245, 2565-2578.	3.3	11
353	Interactions between Ginkgo biloba L. and Scutellaria baicalensis Georgi in multicomponent mixtures towards cholinesterase inhibition and ROS scavenging. Food Research International, 2021, 140, 109857.	6.2	11
354	Valorisation of Salicornia ramosissima biowaste by a green approach â€“ An optimizing study using response surface methodology. Sustainable Chemistry and Pharmacy, 2021, 24, 100548.	3.3	11
355	Voltammetric Immunosensor to Track a Major Peanut Allergen (Ara h 1) in Food Products Employing Quantum Dot Labels. Biosensors, 2021, 11, 426.	4.7	11
356	Electropolymerized, Molecularly Imprinted Polymer on a Screen-Printed Electrodeâ€”A Simple, Fast, and Disposable Voltammetric Sensor for Trazodone. Sensors, 2022, 22, 2819.	3.8	11
357	Increasing the added value of vine-canes as a sustainable source of phenolic compounds: A review. Science of the Total Environment, 2022, 830, 154600.	8.0	11
358	Reinforcement of starch film with Castanea sativa shells polysaccharides: Optimized formulation and characterization. Food Chemistry, 2022, 396, 133609.	8.2	11
359	An automatic determination of caffeine in soft drinks using flow injection system with amperometric detection. Food Additives and Contaminants, 1998, 15, 265-269.	2.0	10
360	Voltammetric Determination of Dialifos in Soils with a Mercury Film Ultramicroelectrode. Analytical Letters, 2005, 38, 1275-1288.	1.8	10

#	Article	IF	Citations
361	Soil remediation time to achieve clean-up goals I: Influence of soil water content. Chemosphere, 2006, 62, 853-860.	8.2	10
362	Electroanalytical Study of the Pesticide Ethiofencarb. Analytical Letters, 2006, 39, 2387-2403.	1.8	10
363	Electroanalysis of urinary l-dopa using tyrosinase immobilized on gold nanoelectrode ensembles. Journal of Applied Electrochemistry, 2012, 42, 131-137.	2.9	10
364	Study of lipid peroxidation and ascorbic acid protective role in large unilamellar vesicles from a new electrochemical performance. Bioelectrochemistry, 2018, 120, 120-126.	4.6	10
365	Chemical and bioactivity screening of subcritical water extracts of chokeberry (Aronia melanocarpa) stems. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 353-359.	2.8	10
366	Occurrence of Selected Known or Suspected Endocrine-Disrupting Pesticides in Portuguese Surface Waters Using SPME-GC-IT/MS. Separations, 2021, 8, 81.	2.4	10
367	Enzymatic determination of choline in milk using a FIA system with potentiometric detection. Analyst, The, 2000, 125, 1281-1284.	3.5	9
368	Anodic Adsorptive Stripping Voltammetric Determination of Atrazine in Spiked Soil Samples with a Gold Microelectrode. Analytical Letters, 2004, 37, 3271-3286.	1.8	9
369	A waste management school approach towards sustainability. Resources, Conservation and Recycling, 2006, 48, 197-207.	10.8	9
370	Multiple Linear Regression and Artificial Neural Networks to Predict Time and Efficiency of Soil Vapor Extraction. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	9
371	Eruca sativa: Benefits as antioxidants source versus risks of already banned pesticides. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2015, 50, 338-345.	1.5	9
372	Characterization and Stability of a Formulation Containing Antioxidants-Enriched Castanea sativa Shells Extract. Cosmetics, 2021, 8, 49.	3.3	9
373	From soil to cosmetic industry: Validation of a new cosmetic ingredient extracted from chestnut shells. Sustainable Materials and Technologies, 2021, 29, e00309.	3.3	9
374	Square-wave voltametric method for determination of molinate concentration in a biological process using a hanging mercury drop electrode. Analytical and Bioanalytical Chemistry, 2005, 381, 879-883.	3.7	8
375	Direct Electroanalytical Determination of Fluvastatin in a Pharmaceutical Dosage Form: Batch and Flow Analysis. Analytical Letters, 2008, 41, 2794-2804.	1.8	8
376	Flow amperometric determination of carbofuran and fenobucarb. International Journal of Environmental Analytical Chemistry, 2008, 88, 37-49.	3.3	8
377	Sequential Application of Soil Vapor Extraction and Bioremediation Processes for the Remediation of Ethylbenzene-Contaminated Soils. Water, Air, and Soil Pollution, 2012, 223, 2601-2609.	2.4	8
378	Gold nanoparticles covalently assembled onto vesicle structures as possible biosensing platform. Beilstein Journal of Nanotechnology, 2016, 7, 655-663.	2.8	8

#	Article	IF	Citations
379	Microwaveâ€assisted extraction in goji berries: effect on composition and bioactivity, evaluated through conventional and nonconventional methodologies. International Journal of Food Science and Technology, 2016, 51, 1401-1408.	2.7	8
380	Cometabolic Degradation of Anti-Inflammatory and Analgesic Pharmaceuticals by a Pentane Enrichment Culture. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	8
381	Antibacterial activity of novel peptide derived from Cry1Ab16 toxin and development of LbL films for foodborne pathogens control. Materials Science and Engineering C, 2017, 75, 503-509.	7.3	8
382	Polycyclic aromatic hydrocarbons (PAH) in Portuguese educational settings: a comparison between preschools and elementary schools. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 630-640.	2.3	8
383	In Silico, In Vitro and In Vivo Toxicological Assessment of BPP-BrachyNH2, A Vasoactive Proline-Rich Oligopeptide from Brachycephalus ephippium. International Journal of Peptide Research and Therapeutics, 2017, 23, 323-331.	1.9	8
384	Green zero valent iron nanoparticles dispersion through a sandy column using different injection sequences. Science of the Total Environment, 2018, 637-638, 935-942.	8.0	8
385	Mineral Content of Various Portuguese Breads: Characterization, Dietary Intake, and Discriminant Analysis. Molecules, 2019, 24, 2787.	3.8	8
386	Development of New Canned Chub Mackerel Products Incorporating Edible Seaweedsâ€"Influence on the Minerals and Trace Elements Composition. Molecules, 2020, 25, 1133.	3.8	8
387	Development of a molecular imprinted electrochemiluminescence sensor for amitriptyline detection: From MD simulations to experimental implementation. Electrochimica Acta, 2021, 397, 139273.	5.2	8
388	Iodine knowledge is associated with iodine status in Portuguese pregnant women: results from the IoMum cohort study. British Journal of Nutrition, 2021, 126, 1331-1339.	2.3	8
389	Influence of temperature on the subcritical water extraction of Actinidia arguta leaves: A screening of pro-healthy compounds. Sustainable Chemistry and Pharmacy, 2022, 25, 100593.	3.3	8
390	Eco-friendly insights on kiwiberry leaves valorization through in-vitro and in-vivo studies. Industrial Crops and Products, 2022, 184, 115090.	5.2	8
391	Electrochemical Behaviour and Square Wave Voltammetry of the Rice Herbicides Molinate, Bensulfuron-Methyl, Mefenacet and Thiobencarb. International Journal of Environmental Analytical Chemistry, 1999, 75, 149-157.	3.3	7
392	Study of the voltammetric behaviour of metam and its application to an amperometric flow system. Analytical and Bioanalytical Chemistry, 2005, 383, 880-885.	3.7	7
393	Determination of Chlorfenvinphos in Soils by Microwaveâ€Assisted Extraction and Stripping Voltammetry with an Ultramicroelectrode. Analytical Letters, 2007, 40, 1085-1097.	1.8	7
394	Urea Pesticides. , 0, , .		7
395	Fungicides. , 2016, , 169-176.		7
396	DNA-based sensor against nitrite oxide radical: Evaluation of total antioxidant capacity in beverages. Journal of Electroanalytical Chemistry, 2016, 763, 110-115.	3.8	7

#	Article	IF	Citations
397	Polycyclic aromatic hydrocarbons in wild and farmed whitemouth croaker and meagre from different Atlantic Ocean fishing areas: Concentrations and human health risk assessment. Food and Chemical Toxicology, 2020, 146, 111797.	3.6	7
398	A convenient renewable surface plasmon resonance chip for relative quantification of genetically modified soybean in food and feed. PLoS ONE, 2020, 15, e0229659.	2.5	7
399	Electrochemical genosensor for the detection of Alexandrium minutum dinoflagellates. Talanta, 2021, 222, 121416.	5.5	7
400	Life Cycle and Economic Analyses of the Removal of Pesticides and Pharmaceuticals from Municipal Wastewater by Anodic Oxidation. Sustainability, 2021, 13, 3669.	3.2	7
401	Chemical Characterization and In Vitro Bioactivity of Apple Bark Extracts Obtained by Subcritical Water. Waste and Biomass Valorization, 2021, 12, 6781-6794.	3.4	7
402	Tracking Arachis hypogaea Allergen in Pre-Packaged Foodstuff: A Nanodiamond-Based Electrochemical Biosensing Approach. Biosensors, 2022, 12, 429.	4.7	7
403	Predictivity Strength of the Spatial Variability of Phenanthrene Sorption Across Two Sandy Loam Fields. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	6
404	N-acetyl-Î²-d-glucosaminidase activity in feral Carcinus maenas exposed to cadmium. Aquatic Toxicology, 2015, 159, 225-232.	4.0	6
405	Assessment of Dimethoate Residues in Olives at the Time of Harvest and After Brine Using QuEChERS Extraction. Food Analytical Methods, 2016, 9, 3170-3178.	2.6	6
406	A throughput method using the quick easy cheap effective rugged safe method for the quantification of ibuprofen and its main metabolites in soils. Journal of Separation Science, 2016, 39, 3436-3444.	2.5	6
407	The association of milk and dairy consumption with iodine status in pregnant women in Oporto region. British Journal of Nutrition, 2021, 126, 1-9.	2.3	6
408	Evaluation of the Biological Potential of Himanthalia elongata (L.) S.F.Gray and Eisenia bicyclis (Kjellman) Setchell Subcritical Water Extracts. Foods, 2022, 11, 746.	4.3	6
409	The simpler the better: Highly sensitive 17Î±-ethinylestradiol sensor based on an unmodified carbon paper transducer. Talanta, 2022, 245, 123457.	5.5	6
410	Electrochemical cleavage of some protecting groups from the sulphydryl function in aprotic solvents. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 315, 1-8.	0.1	5
411	Flow Injection Electrochemical Determination of Apomorphine. Analytical Letters, 2003, 36, 2199-2210.	1.8	5
412	Electrochemical Determination of Dihydrocodeine in Pharmaceuticals. Analytical Letters, 2003, 36, 577-590.	1.8	5
413	The Periodic Table: Contest and Exhibition. Journal of Chemical Education, 2006, 83, 557.	2.3	5
414	Structure-function studies of BPP-BrachyNH2 and synthetic analogues thereof with Angiotensin I-Converting Enzyme. European Journal of Medicinal Chemistry, 2017, 139, 401-411.	5.5	5

#	Article	IF	Citations
415	Electroanalytical characterization of the direct Marinobacter hydrocarbonoclasticus nitric oxide reductase-catalysed nitric oxide and dioxygen reduction. Bioelectrochemistry, 2019, 125, 8-14.	4.6	5
416	Chromatographic analysis of honey ceramic artefacts. Archaeological and Anthropological Sciences, 2019, 11, 959-971.	1.8	5
417	Comparison of antibiotic resistance in the influent and effluent of two wastewater treatment plants. AIMS Environmental Science, 2021, 8, 101-116.	1.4	5
418	A Three-Dimensional Electrochemical Process for the Removal of Carbamazepine. Applied Sciences (Switzerland), 2021, 11, 6432.	2.5	5
419	Evaluating the Lipid Quality of Yellowfin Tuna (Thunnus albacares) Harvested from Different Oceans by Their Fatty Acid Signatures. Foods, 2021, 10, 2816.	4.3	5
420	Computational Modelling and Sustainable Synthesis of a Highly Selective Electrochemical MIP-Based Sensor for Citalopram Detection. Molecules, 2022, 27, 3315.	3.8	5
421	Minerals and fatty acids profile of Northwest Portuguese coast shrimps. Journal of Food Composition and Analysis, 2022, 112, 104652.	3.9	5
422	Development of polyaniline microarray electrodes for cadmium analysis. Chemical Papers, 2012, 66, .	2.2	4
423	QuEChERS: a sample preparation for extraction of carbaryl from rat feces. Toxicological and Environmental Chemistry, 2015, 97, 687-699.	1.2	4
424	Optimization of the Ion Source-Mass Spectrometry Parameters in Non-Steroidal Anti-Inflammatory and Analgesic Pharmaceuticals Analysis by a Design of Experiments Approach. Journal of the American Society for Mass Spectrometry, 2016, 27, 1703-1714.	2.8	4
425	Cork â€•a natural material for linalool controlled release. Flavour and Fragrance Journal, 2017, 32, 427-432.	2.6	4
426	The relationship of plasma fatty acid profile and metabolic biomarkers among postmenopausal obese and overweight women. Obesity Medicine, 2018, 10, 8-15.	0.9	4
427	Childrenâ€™s performance on Ravenâ€™s Coloured progressive matrices in Portugal: The Flynn effect. Intelligence, 2020, 82, 101485.	3.0	4
428	Microbiological and Chemical Quality of Portuguese Lettuceâ€”Results of a Case Study. Foods, 2020, 9, 1274.	4.3	4
429	Validation and Evaluation of Selected Organic Pollutants in Shrimp and Seawater Samples from the NW Portuguese Coast. Molecules, 2021, 26, 5774.	3.8	4
430	Novel Strategies for Genetically Modified Organism Detection. , 2016, , 119-131.		4
431	New insights of phytochemical profile and in vitro antioxidant and neuroprotective activities from optimized extract of Horned Melon fruit. Journal of Food Measurement and Characterization, 2022, 16, 1847-1858.	3.2	4
432	Brominated flame retardants effect in MCF-7 cells: Impact on vitamin D pathway. Journal of Steroid Biochemistry and Molecular Biology, 2022, 219, 106079.	2.5	4

#	Article	IF	Citations
433	Fluoxetine and Nutrients Removal from Aqueous Solutions by Phycoremediation. International Journal of Environmental Research and Public Health, 2022, 19, 6081.	2.6	4
434	Seasonal and Spatial Comparison of Polycyclic Aromatic Hydrocarbons Among Decapod Shrimp from Coastal Portugal. Bulletin of Environmental Contamination and Toxicology, 2022, 109, 511-517.	2.7	4
435	Evaluation of atmospheric deposition and patterns of polycyclic aromatic hydrocarbons in faÃ§ades of historic monuments of Oporto (Portugal). International Journal of Environmental Analytical Chemistry, 2013, 93, 1052-1064.	3.3	3
436	Biocomplementation of SVE to achieve clean-up goals in soils contaminated with toluene and xylene. Environmental Monitoring and Assessment, 2013, 185, 8429-8438.	2.7	3
437	Targeting specific nutrient deficiencies in protein-restricted diets: some practical facts in PKU dietary management. Food and Function, 2014, 5, 3151-3159.	4.6	3
438	Cry1A(b)16 toxin from Bacillus thuringiensis : Theoretical refinement of threeâ€dimensional structure and prediction of peptides as molecular markers for detection of genetically modified organisms. Proteins: Structure, Function and Bioinformatics, 2017, 85, 1248-1257.	2.6	3
439	Assessing the ecological status of fluvial ecosystems employing a macroinvertebrate multi-taxon and multi-biomarker approach. Environmental Monitoring and Assessment, 2019, 191, 503.	2.7	3
440	Chronoamperometric magnetogenosensing for simultaneous detection of two Roundup Readyâ„¢ soybean lines: GTS 40-3-2 and MON89788. Sensors and Actuators B: Chemical, 2019, 283, 262-268.	7.8	3
441	Semi-industrial development of nutritious and healthy seafood dishes from sustainable species. Food and Chemical Toxicology, 2021, 155, 112431.	3.6	3
442	Microwave- and Ultrasound-Assisted Extraction of Cucurbita pepo Seeds: A Comparison Study of Antioxidant Activity, Phenolic Profile, and In-Vitro Cells Effects. Applied Sciences (Switzerland), 2022, 12, 1763.	2.5	3
443	Subcritical Water Extraction of Phenolic Compounds from Vineyard Pruning Residues: Evaluation of Chemical Composition and Bioactive Properties. , 2021, 6, .		3
444	Electrochemical study of butylate: application to the analysis of water. International Journal of Environmental Analytical Chemistry, 2008, 88, 1049-1062.	3.3	2
445	Outdoor and indoor benzene evaluation by GC-FID and GC-MS/MS. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 181-187.	1.7	2
446	Environment-Friendly Techniques for Extraction of Bioactive Compounds From Fruits. , 2017, , 21-47.		2
447	Biosensors as Advanced Device for the Transgenic Plants and Food and Detection. , 2018, , 221-245.		2
448	Characterization of Bioactive Compounds in Flavored Waters and Fruit Juices. , 2019, , 311-366.		2
449	ADSORPTION STUDY OF LEAD BY ASCOPHYLLUM NODOSUM USING A FACTORIAL EXPERIMENTAL DESIGN. , 2006, , 269-274.		2
450	Effects of Nutritional Supplements on Human Health. , 2019, , 105-140.		2

#	Article	IF	Citations
451	Assessment of Urinary 1-hydroxypyrene and 3-hydroxybenzo(a)pyrene in Barbecue Grill Workers. Studies in Systems, Decision and Control, 2020, , 351-358.	1.0	2
452	Chromatographic Techniques for the Determination of Free Phenol in Foundry Resins. Analytical Letters, 2011, 44, 1536-1543.	1.8	1
453	Electrochemical immunosensor for amyloid beta-peptide detection: Preliminary study. , 2013, , .		1
454	Total Antioxidant Capacity of Flavored Waters. , 2014, , 215-224.		1
455	Peptide isolated from Cry1Ab16 toxin present in Bacillus thuringiensis: Synthesis and morphology data for layer-by-layer films studied by atomic force microscopy. Data in Brief, 2016, 8, 114-119.	1.0	1
456	Dalbergia ecastaphyllum leaf extracts: in vitro inhibitory potential against enzymes related to metabolic syndrome, inflammation and neurodegenerative diseases. Acta Scientiarum - Biological Sciences, 2019, 41, e46622.	0.3	1
457	Risk of Exposure to Formaldehyde in Pathological Anatomy Laboratories. Advances in Intelligent Systems and Computing, 2016, , 379-385.	0.6	1
458	Tropomyosin Analysis in Foods Using an Electrochemical Immunosensing Approach. , 2021, 5, .		1
459	A Voltammetric Nanodiamond-Coated Screen-Printed Immunosensor for The Determination of a Peanut Allergen in Commercial Food Products. , 2021, 5, .		1
460	Fluoxetine Removal from Aqueous Solutions Using a Lignocellulosic Substrate Colonized by the White-Rot Fungus Pleurotus ostreatus. International Journal of Environmental Research and Public Health, 2022, 19, 2672.	2.6	1
461	Evaluation of Formaldehyde in Foundry Waste Sands Using Liquid Chromatography. Analytical Letters, 2009, 42, 492-504.	1.8	0
462	Assay of Total Antioxidant Capacity of Coffee. , 2015, , 963-970.		0
463	Extraction Procedures and Chromatography of Pesticides Residues in Strawberries. Sustainable Agriculture Reviews, 2021, , 167-201.	1.1	0
464	Pyrethroids Metabolites in Human Urine Samples. Sustainable Agriculture Reviews, 2021, , 227-270.	1.1	0
465	Sequential Soil Vapor Extraction and Bioremediation Processes Applied to BTEX-Contaminated Soils. Soil Biology, 2013, , 181-201.	0.8	0
466	Relationship Between Exposure to Xylenes and Ethylbenzene Expressed Either in Concentration in Air and Amount of Their Metabolites Excreted in the Urine. Advances in Intelligent Systems and Computing, 2016, , 367-377.	0.6	0
467	Performance of Electro-Fenton Water Treatment Technology in Decreasing Zebrafish Embryotoxicity Elicited by a Mixture of Organic Contaminants. Advances in Science, Technology and Innovation, 2020, , 243-246.	0.4	0
468	Castanea sativa Shells: Is Cosmetic Industry a Prominent Opportunity to Valorize This Agro-Waste?. , 2021, 6, .		0

#	Article	IF	Citations
469	Green and Sustainable Extraction of Bioactive Compounds from Salicornia ramosissimaÂ. , 2021, 6, .		0