Cristina Delerue-Matos

List of Publications by Year
in descending order

469 papers	17,631 citations	15466 65 h-index	32761 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.	6.5	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.	3.9	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.	1.8	246
4	Green production of zero-valent iron nanoparticles using tree leaf extracts. Science of the Total Environment, 2013, 445-446, 1-8.	3.9	237
5	Presence of pharmaceuticals in the Lis river (Portugal): Sources, fate and seasonal variation. Science of the Total Environment, 2016, 573, 164-177.	3.9	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.	4.8	204
7	Characterization of green zero-valent iron nanoparticles produced with tree leaf extracts. Science of the Total Environment, 2015, 533, 76-81.	3.9	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.	3.9	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.	3.9	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.	3.9	153
11	Molecularly imprinted polymer-based electrochemical sensors for environmental analysis. Biosensors and Bioelectronics, 2021, 172, 112719.	5.3	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.	6.5	144
13	Brazilian fruit pulps as functional foods and additives: Evaluation of bioactive compounds. Food Chemistry, 2015, 172, 462-468.	4.2	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.	4.6	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.	1.3	134
16	Electrochemical biosensors for Salmonella: State of the art and challenges in food safety assessment. Biosensors and Bioelectronics, 2018, 99, 667-682.	5.3	124
17	Molecular imprinted nanoelectrodes for ultra sensitive detection of ovarian cancer marker. Biosensors and Bioelectronics, 2012, 33, 179-183.	5.3	121
18	Optimizing the extraction of phenolic antioxidants from chestnut shells by subcritical water extraction using response surface methodology. Food Chemistry, 2021, 334, 127521.	4.2	117

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19	MIP-graphene-modified glassy carbon electrode for the determination of trimethoprim. Biosensors and Bioelectronics, 2014, 52, 56-61.	5.3	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.	4.8	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.	1.9	109
22	Breast cancer biomarker (HER2-ECD) detection using a molecularly imprinted electrochemical sensor. Sensors and Actuators B: Chemical, 2018, 273, 1008-1014.	4.0	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.	2.9	106
24	Towards a reliable technology for antioxidant capacity and oxidative damage evaluation: Electrochemical (bio)sensors. Biosensors and Bioelectronics, 2011, 30, 1-12.	5.3	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.	2.5	101
26	The Use of Algae and Fungi for Removal of Pharmaceuticals by Bioremediation and Biosorption Processes: A Review. Water (Switzerland), 2019, 11, 1555.	1.2	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.	4.0	98
28	Impact of vehicular traffic emissions on particulate-bound PAHs: Levels and associated health risks. Atmospheric Research, 2013, 127, 141-147.	1.8	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.	1.4	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.	3.9	92
31	Utilization of food industry wastes for the production of zero-valent iron nanoparticles. Science of the Total Environment, 2014, 496, 233-240.	3.9	91
32	New Trends in Food Allergens Detection: Toward Biosensing Strategies. Critical Reviews in Food Science and Nutrition, 2016, 56, 2304-2319.	5.4	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.	4.0	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.	2.5	89
35	Biosensor based on multi-walled carbon nanotubes paste electrode modified with laccase for pirimicarb pesticide quantification. Talanta, 2013, 106, 137-143.	2.9	87
36	Electrochemical immunosensor for the analysis of the breast cancer biomarker HER2 ECD. Talanta, 2014, 129, 594-599.	2.9	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.	1.4	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.	1.8	85
39	Air pollution from traffic emissions in Oporto, Portugal: Health and environmental implications. Microchemical Journal, 2011, 99, 51-59.	2.3	84
40	PAH air pollution at a Portuguese urban area: carcinogenic risks and sources identification. Environmental Science and Pollution Research, 2013, 20, 3932-3945.	2.7	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.	4.0	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.	1.3	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.	1.9	81
44	Molecularly imprinted sensor for voltammetric detection of norfloxacin. Sensors and Actuators B: Chemical, 2015, 219, 301-307.	4.0	81
45	Potential of Portuguese vine shoot wastes as natural resources of bioactive compounds. Science of the Total Environment, 2018, 634, 831-842.	3.9	81
46	Antibiotics and antidepressants occurrence in surface waters and sediments collected in the north of Portugal. Chemosphere, 2020, 239, 124729.	4.2	81
47	Molecularly imprinted electrochemical sensor for ochratoxin A detection in food samples. Sensors and Actuators B: Chemical, 2015, 215, 107-112.	4.0	80
48	Multi-residue methodology for pesticide screening in wines. Journal of Chromatography A, 2000, 889, 59-67.	1.8	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.	1.3	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.	3.3	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.	4.0	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.	5.3	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.	3.7	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.	4.2	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.	5.3	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.	2.5	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.	3.9	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.	2.4	72
59	Use of solvent extraction to remediate soils contaminated with hydrocarbons. Journal of Hazardous Materials, 2005, 124, 224-229.	6.5	70
60	Isolation of apigenin from subcritical water extracts: Optimization of the process. Journal of Supercritical Fluids, 2017, 120, 32-42.	1.6	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.	4.0	70
62	Strawberries from integrated pest management and organic farming: Phenolic composition and antioxidant properties. Food Chemistry, 2012, 134, 1926-1931.	4.2	69
63	A perspective on LCA application in site remediation services: Critical review of challenges. Journal of Hazardous Materials, 2010, 175, 12-22.	6.5	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.	4.2	68
65	DNA-based biosensor for the electrocatalytic determination of antioxidant capacity in beverages. Biosensors and Bioelectronics, 2011, 26, 2396-2401.	5.3	66
66	Heterogeneous kinetics of the reduction of chromium (VI) by elemental iron. Journal of Hazardous Materials, 2010, 175, 1042-1047.	6.5	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.	6.5	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.	2.7	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.	5.3	64
70	Contribution of different vegetable types to exogenous nitrate and nitrite exposure. Food Chemistry, 2010, 120, 960-966.	4.2	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.	4.2	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.	3.3	63

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73	Quantum dots as nanolabels for breast cancer biomarker HER2-ECD analysis in human serum. Talanta, 2020, 208, 120430.	2.9	62
74	Control and comparison of the antioxidant capacity of beers. Food Research International, 2010, 43, 1702-1709.	2.9	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.	4.0	61
76	Chayote (Sechium edule): A review of nutritional composition, bioactivities and potential applications. Food Chemistry, 2019, 275, 557-568.	4.2	59
77	Sorption behaviour of bifenthrin on cork. Journal of Chromatography A, 2005, 1069, 127-132.	1.8	58
78	Organochlorine Pesticide Residues in Strawberries from Integrated Pest Management and Organic Farming. Journal of Agricultural and Food Chemistry, 2011, 59, 7582-7591.	2.4	58
79	Determination of Pesticides in Fruit and Fruit Juices by Chromatographic Methods. An Overview. Journal of Chromatographic Science, 2011, 49, 715-730.	0.7	58
80	Laccaseâ€“Prussian blue filmâ€“graphene doped carbon paste modified electrode for carbamate pesticides quantification. Biosensors and Bioelectronics, 2013, 47, 292-299.	5.3	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.	1.9	57
82	Quaternized cashew gum: An anti-staphylococcal and biocompatible cationic polymer for biotechnological applications. Carbohydrate Polymers, 2017, 157, 567-575.	5.1	57
83	Lipid content of frozen fish: Comparison of different extraction methods and variability during freezing storage. Food Chemistry, 2012, 131, 328-336.	4.2	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.	1.8	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.	1.4	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.	1.2	55
87	Voltammetric Oxidation of Drugs of Abuse I. Morphine and Metabolites. Electroanalysis, 2004, 16, 1419-1426.	1.5	54
88	Pilot monitoring study of ibuprofen in surface waters of north of Portugal. Environmental Science and Pollution Research, 2013, 20, 2410-2420.	2.7	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.	1.4	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.	1.3	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.	1.3	52
92	Enantiomeric fraction evaluation of pharmaceuticals in environmental matrices by liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2014, 1363, 226-235.	1.8	52
93	Espresso beverages of pure origin coffee: Mineral characterization, contribution for mineral intake and geographical discrimination. Food Chemistry, 2015, 177, 330-338.	4.2	52
94	Determination of pharmaceuticals in groundwater collected in five cemeteries' areas (Portugal). Science of the Total Environment, 2016, 569-570, 16-22.	3.9	52
95	Characterisation of ginger extracts obtained by subcritical water. Journal of Supercritical Fluids, 2017, 123, 92-100.	1.6	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.	1.3	52
97	Electrochemical Methods in Pesticides Control. Analytical Letters, 2004, 37, 1755-1791.	1.0	51
98	Remediation of soils combining soil vapor extraction and bioremediation: Benzene. Chemosphere, 2010, 80, 823-828.	4.2	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.	2.2	51
100	Electrochemical evaluation of total antioxidant capacity of beverages using a purine-biosensor. Food Chemistry, 2012, 132, 1055-1062.	4.2	50
101	Chemical and biological screening of stinging nettle leaves extracts obtained by modern extraction techniques. Industrial Crops and Products, 2017, 108, 423-430.	2.5	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.	2.9	50
103	Multiplexed electrochemical immunosensor for detection of celiac disease serological markers. Sensors and Actuators B: Chemical, 2013, 187, 33-39.	4.0	49
104	Simple laccase-based biosensor for formetanate hydrochloride quantification in fruits. Bioelectrochemistry, 2014, 95, 7-14.	2.4	49
105	Highly Monodisperse Fe₃O₄@Au Superparamagnetic Nanoparticles as Reproducible Platform for Genosensing Genetically Modified Organisms. ACS Sensors, 2016, 1, 1044-1053.	4.0	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.	3.7	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.	2.7	49
108	Screen-Printed Electrode-Based Sensors for Food Spoilage Control: Bacteria and Biogenic Amines Detection. Biosensors, 2020, 10, 139.	2.3	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.	3.9	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.	3.9	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.	3.7	48
112	Electrochemical determination of antioxidant capacities in flavored waters by guanine and adenine biosensors. Biosensors and Bioelectronics, 2008, 24, 591-599.	5.3	47
113	Analysis of polycyclic aromatic hydrocarbons in fish: Optimisation and validation of microwave-assisted extraction. Food Chemistry, 2012, 135, 234-242.	4.2	47
114	Total antioxidant capacity of plant infusions: Assessment using electrochemical DNA-based biosensor and spectrophotometric methods. Food Control, 2016, 68, 153-161.	2.8	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.	1.2	47
116	Electrochemical Sensing Platforms for HER2â€ECD Breast Cancer Biomarker Detection. Electroanalysis, 2019, 31, 121-128.	1.5	47
117	Summer savory extracts prepared by novel extraction methods resulted in enhanced biological activity. Industrial Crops and Products, 2017, 109, 875-881.	2.5	46
118	Electrochemical Biosensing in Cancer Diagnostics and Followâ€up. Electroanalysis, 2018, 30, 1584-1603.	1.5	46
119	Bioactivity, phytochemical profile and pro-healthy properties of Actinidia arguta: A review. Food Research International, 2020, 136, 109449.	2.9	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.	6.5	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.	0.9	45
122	Remediation of sandy soils contaminated with hydrocarbons and halogenated hydrocarbons by soil vapour extraction. Journal of Environmental Management, 2012, 104, 195-201.	3.8	45
123	Fresh-cut aromatic herbs: Nutritional quality stability during shelf-life. LWT - Food Science and Technology, 2014, 59, 101-107.	2.5	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.	1.9	45
125	LCA applied to nano scale zero valent iron synthesis. International Journal of Life Cycle Assessment, 2017, 22, 707-714.	2.2	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.	2.3	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.	1.9	44
128	Green zero-valent iron nanoparticles for the degradation of amoxicillin. International Journal of Environmental Science and Technology, 2017, 14, 1109-1118.	1.8	44
129	Synergistic and antibiofilm properties of ocellatin peptides against multidrug-resistant Pseudomonas aeruginosa. Future Microbiology, 2018, 13, 151-163.	1.0	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.	1.8	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.	4.8	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.	6.5	44
133	Voltammetric Oxidation of Drugs of Abuse III. Heroin and Metabolites. Electroanalysis, 2004, 16, 1497-1502.	1.5	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.	1.1	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.	2.9	43
136	Azithromycin electrochemical detection using a molecularly imprinted polymer prepared on a disposable screen-printed electrode. Analytical Methods, 2020, 12, 1486-1494.	1.3	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.	4.0	43
138	Voltammetric Oxidation of Drugs of Abuse II. Codeine and Metabolites. Electroanalysis, 2004, 16, 1427-1433.	1.5	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.	1.8	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.	4.2	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.	2.0	42
142	Quantification of fluoroquinolones in wastewaters by liquid chromatography-tandem mass spectrometry. Environmental Pollution, 2020, 259, 113927.	3.7	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.	2.4	41
144	Determination of histamine in cheese by chronopotentiometry on a thin film mercury electrode. Food Chemistry, 2011, 124, 1172-1176.	4.2	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.	3.9	40
146	Ecotoxicological impact of two soil remediation treatments in Lactuca sativa seeds. Chemosphere, 2016, 159, 193-198.	4.2	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.	6.5	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.	2.4	39
150	Electrocatalytic evaluation of DNA damage by superoxide radical for antioxidant capacity assessment. Journal of Electroanalytical Chemistry, 2011, 659, 43-49.	1.9	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.	2.4	39
152	Removal of sulfamethoxazole from solution by raw and chemically treated walnut shells. Environmental Science and Pollution Research, 2012, 19, 3096-3106.	2.7	39
153	Extraction of ochratoxin A in bread samples by the QuEChERS methodology. Food Chemistry, 2012, 135, 2522-2528.	4.2	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.	7.8	39
155	Amperometric enzyme sensor for the rapid determination of histamine. Analytical Methods, 2019, 11, 1264-1269.	1.3	38
156	High-performance electrochemical immunomagnetic assay for breast cancer analysis. Sensors and Actuators B: Chemical, 2020, 308, 127667.	4.0	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.	1.5	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.	2.1	37
159	Subcritical water extraction of antioxidants from mountain germander (Teucrium montanum L.). Journal of Supercritical Fluids, 2018, 138, 200-206.	1.6	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.	2.5	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.	2.3	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.	1.3	36

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163	Electroanalytical determination of paroxetine in pharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2006, 42, 341-346.	1.4	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.	0.7	35
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