Carlos GonÃalves

List of Publications by Year
in descending order

35 papers	1,659 citations	279487 23 h-index	395343 33 g-index
36 all docs	36 docs citations	36 times ranked	2228 citing authors

#	Article	IF	Citations
1	Determination of Alternaria Toxins in Tomato, Wheat, and Sunflower Seeds by SPE and LC-MS/MSâ€"A Method Validation Through a Collaborative Trial. Journal of AOAC INTERNATIONAL, 2022, 105, 80-94.	0.7	9
2	Determination of Alternaria Toxins in Food by SPE and LC-IDMS: Development and In-House Validation of a Candidate Method for Standardisation. Separations, 2022, 9, 70.	1.1	4
3	Determination of deoxynivalenol and its major conjugates in cereals using an organic solvent-free extraction and IAC clean-up coupled in-line with HPLC-PCD-FLD. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2020, 37, 1765-1776.	1.1	12
4	Mycotoxins in Food and Feed: An Overview. , 2019, , 401-419.		7
5	Phytotoxic effects of irrigation water depending on the presence of organic and inorganic pollutants. Environmental Science and Pollution Research, 2016, 23, 18596-18608.	2.7	3
6	PAHs levels in Portuguese estuaries and lagoons: Salt marsh plants as potential agents for the containment of PAHs contamination in sediments. Regional Studies in Marine Science, 2016, 7, 211-221.	0.4	15
7	Cross-reactivity features of deoxynivalenol (DON)-targeted immunoaffinity columns aiming to achieve simultaneous analysis of DON and major conjugates in cereal samples. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 1053-1062.	1.1	13
8	Evaluation of the phototransformation of the antiviral zanamivir in surface waters through identification of transformation products. Journal of Hazardous Materials, 2014, 265, 296-304.	6.5	23
9	Multistage treatment system for raw leachate fromÂsanitary landfill combining biological nitrificationâ€"denitrification/solar photo-Fenton/biological processes, at a scale close to industrial â€" Biodegradability enhancement and evolution profile of trace pollutants. Water Research, 2013, 47, 6167-6186.	5.3	71
10	Analysis of acidic, basic and neutral pharmaceuticals in river waters: clean-up by 1Â°, 2Â° amino anion exchange and enrichment using an hydrophilic adsorbent. International Journal of Environmental Analytical Chemistry, 2013, 93, 1-22.	1.8	16
11	Photolytic and TiO2-assisted photocatalytic oxidation of the anxiolytic drug lorazepam (LoreninÂ®) Tj ETQq1 1 0.784314 rgBT /Overlock Energy, 2013, 87, 219-228.	2.9	37
12	Lorazepam photofate under photolysis andÂTiO2-assisted photocatalysis: Identification and evolution profiles of by-products formed during phototreatment of a WWTP effluent. Water Research, 2013, 47, 5584-5593.	5.3	13
13	Biodegradability enhancement of a pesticide-containing bio-treated wastewater using a solar photo-Fenton treatment step followed by a biological oxidation process. Water Research, 2012, 46, 4599-4613.	5.3	82
14	Improving methodological aspects of the analysis of five regulated haloacetic acids in water samples by solid-phase extraction, ion-pair liquid chromatography and electrospray tandem mass spectrometry. Talanta, 2012, 94, 90-98.	2.9	33
15	Suspended TiO2-assisted photocatalytic degradation of emerging contaminants in a municipal WWTP effluent using a solar pilot plant with CPCs. Chemical Engineering Journal, 2012, 198-199, 301-309.	6.6	87
16	Treatment of a pesticide-containing wastewater using combined biological and solar-driven AOPs at pilot scale. Chemical Engineering Journal, 2012, 209, 429-441.	6.6	41
17	Photofate of Oseltamivir (Tamiflu) and Oseltamivir Carboxylate under Natural and Simulated Solar Irradiation: Kinetics, Identification of the Transformation Products, and Environmental Occurrence. Environmental Science & Technology, 2011, 45, 4307-4314.	4.6	61
18	New developments in the analysis of fragrances and earthyâ€"musty compounds in water by solid-phase microextraction (metal alloy fibre) coupled with gas chromatographyâ€"(tandem) mass spectrometry. Talanta, 2011, 84, 1133-1140.	2.9	25

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19	Cleanup strategies and advantages in the determination of several therapeutic classes of pharmaceuticals in wastewater samples by SPEâ€“LCâ€“MS/MS. Analytical and Bioanalytical Chemistry, 2011, 399, 807-822.	1.9	85
20	Kinetic and mechanistic studies of the photolysis of metronidazole in simulated aqueous environmental matrices using a mass spectrometric approach. Analytical and Bioanalytical Chemistry, 2011, 399, 421-428.	1.9	37
21	Green analytical chemistry in the determination of organic pollutants in the aquatic environment. TrAC - Trends in Analytical Chemistry, 2010, 29, 1347-1362.	5.8	118
22	Evaluation of a multiresidue method for measuring fourteen chemical groups of pesticides in water by use of LC-MS-MS. Analytical and Bioanalytical Chemistry, 2008, 392, 955-968.	1.9	27
23	Simultaneous analysis of 23 priority volatile compounds in water by solid-phase microextractionâ€“gas chromatographyâ€“mass spectrometry and estimation of the method's uncertainty. International Journal of Environmental Analytical Chemistry, 2008, 88, 151-164.	1.8	34
24	Evaluation of the Pesticide Contamination of Groundwater Sampled over Two Years from a Vulnerable Zone in Portugal. Journal of Agricultural and Food Chemistry, 2007, 55, 6227-6235.	2.4	76
25	Optimisation and validation of a solid-phase microextraction method for simultaneous determination of different types of pesticides in water by gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2007, 1141, 165-173.	1.8	77
26	Photolytic degradation of quinalphos in natural waters and on soil matrices under simulated solar irradiation. Chemosphere, 2006, 64, 1375-1382.	4.2	61
27	Erratum to â€œPhotolytic degradation of quinalphos in natural waters and on soil matrices under simulated solar irradiationâ€•[Chemosphere 64 (2006) 1375â€“1382]. Chemosphere, 2006, 65, 2507.	4.2	0
28	Chemometric interpretation of pesticide occurence in soil samples from an intensive horticulture area in north Portugal. Analytica Chimica Acta, 2006, 560, 164-171.	2.6	28
29	Optimization of supercritical fluid extraction of pesticide residues in soil by means of central composite design and analysis by gas chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2006, 1110, 6-14.	1.8	92
30	Assessment of pesticide contamination in soil samples from an intensive horticulture area, using ultrasonic extraction and gas chromatography?mass spectrometry. Talanta, 2005, 65, 1179-1189.	2.9	146
31	Solid-phase micro-extractionâ€“gas chromatographyâ€“(tandem) mass spectrometry as a tool for pesticide residue analysis in water samples at high sensitivity and selectivity with confirmation capabilities. Journal of Chromatography A, 2004, 1026, 239-250.	1.8	100
32	Pesticide toxicity assessment using an electrochemical biosensor with Pseudomonas putida and a bioluminescence inhibition assay with Vibrio fischeri. Analytical and Bioanalytical Chemistry, 2002, 373, 696-703.	1.9	42
33	Comparison of three different poly(dimethylsiloxane)â€“divinylbenzene fibres for the analysis of pesticide multiresidues in water samples: structure and efficiency. Journal of Chromatography A, 2002, 963, 19-26.	1.8	60
34	Multiresidue method for the simultaneous determination of four groups of pesticides in ground and drinking waters, using solid-phase microextractionâ€“gas chromatography with electron-capture and thermionic specific detection. Journal of Chromatography A, 2002, 968, 177-190.	1.8	117
35	BENEFITS OF A BINARY MODIFIER WITH BALANCED POLARITY FOR AN EFFICIENT SUPERCRITICAL FLUID EXTRACTION OF PAHs FROM SOLID SAMPLES, FOLLOWED BY HPLC. Journal of Liquid Chromatography and Related Technologies, 2001, 24, 2943-2959.	0.5	7