Pedro A Segura

List of Publications by Year
in descending order

34 papers	1,157 citations	516710 16 h-index	434195 31 g-index
34 all docs	34 docs citations	34 times ranked	1698 citing authors

#	Article	IF	Citations
1	Review of the Occurrence of Anti-infectives in Contaminated Wastewaters and Natural and Drinking Waters. Environmental Health Perspectives, 2009, 117, 675-684.	6.0	233
2	On-line solid-phase extraction of large-volume injections coupled to liquid chromatography-tandem mass spectrometry for the quantitation and confirmation of 14 selected trace organic contaminants in drinking and surface water. Journal of Chromatography A, 2009, 1216, 8518-8527.	3.7	102
3	Global occurrence of anti-infectives in contaminated surface waters: Impact of income inequality between countries. Environment International, 2015, 80, 89-97.	10.0	101
4	Detection and confirmation of saxitoxin analogues in freshwater benthic Lyngbya wollei algae collected in the St. Lawrence River (Canada) by liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2012, 1219, 93-103.	3.7	73
5	The NSERC Canadian Lake Pulse Network: A national assessment of lake health providing science for water management in a changing climate. Science of the Total Environment, 2019, 695, 133668.	8.0	68
6	Linking drugs of abuse in wastewater to contamination of surface and drinking water. Environmental Toxicology and Chemistry, 2016, 35, 843-849.	4.3	58
7	Quantification of carbamazepine and atrazine and screening of suspect organic contaminants in surface and drinking waters. Chemosphere, 2011, 84, 1085-1094.	8.2	56
8	Comparison of APPI, APCI and ESI for the LCâ€MS/MS analysis of bezafibrate, cyclophosphamide, enalapril, methotrexate and orlistat in municipal wastewater. Journal of Mass Spectrometry, 2011, 46, 383-390.	1.6	53
9	High-Throughput Quantitation of Seven Sulfonamide Residues in Dairy Milk using Laser Diode Thermal Desorption-Negative Mode Atmospheric Pressure Chemical Ionization Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2010, 58, 1442-1446.	5.2	49
10	Determination of bezafibrate, methotrexate, cyclophosphamide, orlistat and enalapril in waste and surface waters using on-line solid-phase extraction liquid chromatography coupled to polarity-switching electrospray tandem mass spectrometry. Journal of Environmental Monitoring, 2009, 11, 830.	2.1	47
11	Determination of six chemotherapeutic agents in municipal wastewater using online solid-phase extraction coupled to liquid chromatography-tandem mass spectrometry. Science of the Total Environment, 2014, 487, 792-800.	8.0	46
12	Ozonation of wastewater: Removal and transformation products of drugs of abuse. Science of the Total Environment, 2014, 487, 763-770.	8.0	41
13	A fully automated on-line preconcentration and liquid chromatographyâ€“tandem mass spectrometry method for the analysis of anti-infectives in wastewaters. Analytica Chimica Acta, 2007, 604, 147-157.	5.4	40
14	Determination of six anti-infectives in wastewater using tandem solid-phase extraction and liquid chromatographyâ€“tandem mass spectrometry. Journal of Environmental Monitoring, 2007, 9, 307-313.	2.1	35
15	Non-targeted screening of trace organic contaminants in surface waters by a multi-tool approach based on combinatorial analysis of tandem mass spectra and open access databases. Talanta, 2021, 230, 122293.	5.5	18
16	Application of Turbulent Flow Chromatography Load Columns for the On-Line Analysis of Anti-Infectives in Wastewaters. Chromatographia, 2009, 70, 239-245.	1.3	17
17	Application of Spectral Accuracy to Improve the Identification of Organic Compounds in Environmental Analysis. Analytical Chemistry, 2017, 89, 9805-9813.	6.5	15
18	Identification and structural elucidation of ozonation transformation products of estrone. Chemistry Central Journal, 2013, 7, 74.	2.6	14

#	Article	IF	Citations
19	Electrochemistry-High Resolution Mass Spectrometry to Study Oxidation Products of Trimethoprim. Environments - MDPI, 2018, 5, 18.	3.3	12
20	Comparative Rapid Toxicity Screening of Commercial and Potential â€œGreenâ€•Plasticizers Using Bioluminescent Bacteria. Industrial & Engineering Chemistry Research, 2012, 51, 11555-11560.	3.7	11
21	Identifying congeners and transformation products of organic contaminants within complex chemical mixtures in impacted surface waters with a top-down non-targeted screening workflow. Science of the Total Environment, 2022, 822, 153540.	8.0	9
22	Identifying Fenton-Reacted Trimethoprim Transformation Products Using Differential Mobility Spectrometry. Analytical Chemistry, 2018, 90, 5352-5357.	6.5	8
23	Post-column hydrogenâ€“deuterium exchange technique to assist in the identification of small organic molecules by mass spectrometry. Canadian Journal of Chemistry, 2016, 94, 781-787.	1.1	7
24	Signal enhancement in laser diode thermal desorptionâ€triple quadrupole mass spectrometry analysis using microwell surface coatings. Journal of Mass Spectrometry, 2019, 54, 167-177.	1.6	7
25	Comprehensive evaluation of non-catalytic wet air oxidation as a pretreatment to remove pharmaceuticals from hospital effluents. Environmental Science: Water Research and Technology, 0, , .	2.4	7
26	Impact of method parameters on the performance of suspect screening for the identification of trace organic contaminants in surface waters. Canadian Journal of Chemistry, 2019, 97, 197-211.	1.1	6
27	Effect of steam treatments on the availability of various families of secondary metabolites extracted from green sweet sorghum. Industrial Crops and Products, 2017, 104, 120-128.	5.2	5
28	Determination of short-chain carboxylic acids and non-targeted analysis of water samples treated by wet air oxidation using gas chromatography-mass spectrometry. Journal of Chromatography A, 2021, 1652, 462352.	3.7	5
29	Quantification of ecdysteroids and retinoic acids in whole daphnids by liquid chromatography-triple quadrupole mass spectrometry. Journal of Chromatography A, 2016, 1438, 57-64.	3.7	4
30	Application of XCMS Online and toxicity bioassays to the study of transformation products of levofloxacin. Water Science and Technology, 2015, 72, 1578-1587.	2.5	3
31	Further studies on the signal enhancement effect in laser diode thermal desorptionâ€triple quadrupole mass spectrometry using microwell surface coatings. Journal of Mass Spectrometry, 2019, 54, 948-956.	1.6	3
32	Uncovering transformation products of four organic contaminants of concern by photodegradation experiments and analysis of real samples from a local river. Chemosphere, 2022, 293, 133408.	8.2	3
33	On the Application of High-Resolution Mass Spectrometry to Environmental Analysis. International Journal of Environmental Pollution and Remediation, 0, , .	0.0	1
34	Method for the Routine Determination of Accurate Masses by Triple Quadrupole Mass Spectrometry. Methods and Protocols, 2018, 1, 9.	2.0	0