

Salvador E Maestre PÃ©rez

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Liquid-sample introduction in plasma spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 123-132.	11.4	71
2	Comparative study of tocopherol homologue content in four almond oil cultivars during two consecutive years. <i>Journal of Food Composition and Analysis</i> , 2008, 21, 144-151.	3.9	56
3	Simultaneous Determination of Carbohydrates, Carboxylic Acids, Alcohols, and Metals in Foods by High-Performance Liquid Chromatography Inductively Coupled Plasma Atomic Emission Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 6774-6782.	6.5	49
4	Evaluation of several pneumatic micronebulizers with different designs for use in ICP-AES and ICP-MS. Future directions for further improvement. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 888-99.	3.7	40
5	Classification of Four Almond Cultivars Using Oil Degradation Parameters Based on FTIR and GC Data. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2009, 86, 51-58.	1.9	40
6	Studies about the origin of the non-spectroscopic interferences caused by sodium and calcium in inductively coupled plasma atomic emission spectrometry. Influence of the spray chamber design. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 1753-1770.	2.9	33
7	Application of a microwave-based desolvation system for multi-elemental analysis of wine by inductively coupled plasma based techniques. <i>Analytica Chimica Acta</i> , 2008, 629, 24-37.	5.4	30
8	Fully Automatic In-Syringe Magnetic Stirring-Assisted Dispersive Liquid-Liquid Microextraction Hyphenated to High-Temperature Torch Integrated Sample Introduction System-Inductively Coupled Plasma Spectrometer with Direct Injection of the Organic Phase. <i>Analytical Chemistry</i> , 2017, 89, 3787-3794.	6.5	30
9	Variability of Chemical Profile in Almonds (<i>Prunus dulcis</i>) of Different Cultivars and Origins. <i>Foods</i> , 2021, 10, 153.	4.3	29
10	Effect of magnetic ion exchange (MIEX®) on removal of emerging organic contaminants. <i>Chemosphere</i> , 2018, 208, 433-440.	8.2	28
11	Introduction of organic solvent solutions into inductively coupled plasma-atomic emission spectrometry using a microwave assisted sample introduction system. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1403.	3.0	27
12	A System for the Direct Determination of the Nonvolatile Organic Carbon, Dissolved Organic Carbon, and Inorganic Carbon in Water Samples through Inductively Coupled Plasma Atomic Emission Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 111-117.	6.5	26
13	Rapid analytical method for the determination of organic and inorganic species in tomato samples through HPLC-ICP-AES coupling. <i>Food Chemistry</i> , 2008, 111, 469-475.	8.2	26
14	The use of combined treatments for reducing parabens in surface waters: Ion-exchange resin and nanofiltration. <i>Science of the Total Environment</i> , 2018, 639, 228-236.	8.0	24
15	Rapid and sensitive determination of carbohydrates in foods using high temperature liquid chromatography with evaporative light scattering detection. <i>Journal of Separation Science</i> , 2012, 35, 929-936.	2.5	23
16	Compensation for matrix effects in ICP-AES by using air segmented liquid microsample introduction. The role of the spray chamber. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 728-737.	3.0	20
17	Use of stirred tanks for studying matrix effects caused by inorganic acids, easily ionized elements and organic solvents in inductively coupled plasma atomic emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 326-339.	2.9	20
18	Alcohol and metal determination in alcoholic beverages through high-temperature liquid-chromatography coupled to an inductively coupled plasma atomic emission spectrometer. <i>Journal of Chromatography A</i> , 2011, 1218, 3439-3446.	3.7	20

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19	Optimisation of analytical methods for the characterisation of oranges, clementines and citrus hybrids cultivated in Spain on the basis of their composition in ascorbic acid, citric acid and major sugars. <i>International Journal of Food Science and Technology</i> , 2014, 49, 146-152.	2.7	19
20	Studies on transport phenomena in electrothermal vaporization sample introduction applied to inductively coupled plasma for optical emission and mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1323-1333.	2.9	17
21	A microwave assisted desolvation system based on the use of a TM010 cavity for inductively coupled plasma based analytical techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 455.	3.0	15
22	Authentication of 'Adelita' Raspberry Cultivar Based on Physical Properties, Antioxidant Activity and Volatile Profile. <i>Antioxidants</i> , 2020, 9, 593.	5.1	15
23	Volatile Profile of Nuts, Key Odorants and Analytical Methods for Quantification. <i>Foods</i> , 2021, 10, 1611.	4.3	15
24	High-Temperature Liquid Chromatography Inductively Coupled Plasma Atomic Emission Spectrometry hyphenation for the combined organic and inorganic analysis of foodstuffs. <i>Journal of Chromatography A</i> , 2010, 1217, 6195-6202.	3.7	14
25	Building and analyzing models from data by stirred tank experiments for investigation of matrix effects caused by inorganic matrices and selection of internal standards in Inductively Coupled Plasma-Atomic Emission Spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 571-584.	2.9	13
26	Aerosol-Phase Extraction Method for Determination of Ca, K, Mg, and Na in Biodiesel through Inductively Coupled Plasma Optical Emission Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 13618-13625.	6.5	12
27	Influence of Cooking and Ingredients on the Antioxidant Activity, Phenolic Content and Volatile Profile of Different Variants of the Mediterranean Typical Tomato Sofrito. <i>Antioxidants</i> , 2019, 8, 551.	5.1	11
28	A new continuous calibration method for inductively coupled plasma spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 384, 531-541.	3.7	10
29	Plasma behavior during electrothermal vaporization sample introduction in inductively coupled plasma atomic emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 1209-1217.	2.9	9
30	Simple and rapid analytical method for the simultaneous determination of cetrimonium chloride and alkyl alcohols in hair conditioners. <i>International Journal of Cosmetic Science</i> , 2010, 32, 65-72.	2.6	9
31	Double-Function Oxygen Scavenger and Aromatic Food Packaging Films Based on LDPE/Polybutadiene and Peanut Aroma. <i>Polymers</i> , 2021, 13, 1310.	4.5	9
32	Determination of fat-soluble vitamins in vegetable oils through microwave-assisted high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2015, 38, 1073-1081.	2.5	8
33	Microwave high performance liquid chromatography with UV-visible detection. Application to vitamins determination. <i>Analyst</i> , 2012, 137, 2260.	3.5	6
34	Comparison of a high temperature torch integrated sample introduction system with a desolvation system for the analysis of microsamples through inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 129, 28-36.	2.9	4
35	Single-injection calibration approach for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1185, 178-184.	3.7	3
36	Development of an Analytical Method for the Combined Determination of Water-Soluble Vitamins and Minerals Through High-Performance Liquid Chromatography-Inductively Coupled Plasma Atomic Emission Spectrometry Hyphenation. <i>Food Analytical Methods</i> , 2012, 5, 897-908.	2.6	3

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37	Ion balance in waters through inductively coupled plasma optical emission spectrometry. International Journal of Environmental Analytical Chemistry, 2014, 94, 427-440.	3.3	3
38	Microwave assisted high performance liquid chromatography for the separation of triacylglycerols in vegetable oils using an evaporative light scattering detector. Food Chemistry, 2019, 300, 125203.	8.2	3
39	Optimization and validation of a simplified methodology for simultaneous extraction of fatty acids and tocopherol homologues in peanuts. Journal of Food Composition and Analysis, 2022, 106, 104287.	3.9	3
40	Chemometric comparison of almond oxidation rates using kinetic parameters obtained by infrared spectroscopy. Journal of the Science of Food and Agriculture, 2020, 100, 4549-4557.	3.5	1
41	CHAPTER 25. Determination of Maltose in Food Samples by High-temperature Liquid Chromatography Coupled to ICP-AES. Food and Nutritional Components in Focus, 2012, , 425-442.	0.1	0