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List of Publications by Year
in descending order

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70 papers	1,596 citations	318942 23 h-index	371746 37 g-index
71 all docs	71 docs citations	71 times ranked	1071 citing authors

#	Article	IF	Citations
1	Multi-elemental analysis of oil renewable fuel feedstock. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2022, 189, 106356.	1.5	6
2	Inductively coupled plasma tandem mass spectrometry (ICP-MS/MS) for the analysis of fuels, biofuels and their feedstock using a high temperature total consumption sample introduction system operated under continuous sample aspiration mode. Journal of Analytical Atomic Spectrometry, 2022, 37, 1032-1043.	1.6	7
3	Localized Quantitative Analysis of Polymeric Films through Laser Ablationâ€“Inductively Coupled Plasma Mass Spectrometry. Polymers, 2021, 13, 345.	2.0	1
4	ICP-MS spatial profiles in presence of ethanol and their application for the analysis of ethanol containing samples. Journal of Analytical Atomic Spectrometry, 2021, 36, 2085-2096.	1.6	6
5	Glossary of methods and terms used in analytical spectroscopy (IUPAC Recommendations 2019). Pure and Applied Chemistry, 2021, 93, 647-776.	0.9	13
6	Impact of Heavy Metals on Human Male Fertilityâ€”An Overview. Antioxidants, 2021, 10, 1473.	2.2	36
7	Total polyphenol content and metals determination in Spanish virgin olive oils by means of a dispersive liquid-liquid aerosol phase extraction method and ICP-MS. Analytica Chimica Acta, 2020, 1094, 34-46.	2.6	11
8	Profiling of Organic Compounds in Bioethanol Samples of Different Nature and the Related Fractions. ACS Omega, 2020, 5, 20912-20921.	1.6	12
9	Silicon speciation in light petroleum products using gas chromatography coupled to ICP-MS/MS. Journal of Analytical Atomic Spectrometry, 2020, 35, 2387-2394.	1.6	6
10	Prospect on Rare Earth Elements and Metals Fingerprint for the Geographical Discrimination of Commercial Spanish Wines. Molecules, 2020, 25, 5602.	1.7	9
11	Multielemental analysis of vegetable oils and fats by means of ICP-OES following a dilution and shot methodology. Journal of Analytical Atomic Spectrometry, 2020, 35, 1897-1909.	1.6	13
12	Evolution of the Multielemental Content along the Red Wine Production Process from Tempranillo and Grenache Grape Varieties. Molecules, 2020, 25, 2961.	1.7	5
13	Nitric acid effect in inductively coupled plasma mass spectrometry: new insights on possible causes and correction. Journal of Analytical Atomic Spectrometry, 2020, 35, 1959-1968.	1.6	10
14	Determination of trace elements in undiluted wine samples using an automatized total sample consumption system coupled to ICP-MS. Journal of Analytical Atomic Spectrometry, 2019, 34, 674-682.	1.6	10
15	Direct elemental analysis of petroleum heavy fractions by means of ICP-OES equipped with a high temperature torch integrated sample introduction system. Journal of Analytical Atomic Spectrometry, 2019, 34, 664-673.	1.6	6
16	3. Inductively coupled plasma and microwaveinduced plasma optical emission spectroscopy. , 2019, , 134-246.		0
17	Direct lead isotopic analysis of bioethanol by means of multi-collector ICP-mass spectrometry with a total consumption sample introduction system. Journal of Analytical Atomic Spectrometry, 2018, 33, 481-490.	1.6	3
18	Evolution of the metal and metalloid content along the bioethanol production process. Fuel Processing Technology, 2018, 173, 1-10.	3.7	6

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19	Quantitative elemental analysis of polymers through laser ablation â€“ inductively coupled plasma by using a dried droplet calibration approach, DDCA. Journal of Analytical Atomic Spectrometry, 2018, 33, 1173-1183.	1.6	15
20	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. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 129, 28-36.	1.5	4
21	Fully Automatic In-Syringe Magnetic Stirring-Assisted Dispersive Liquidâ€“Liquid Microextraction Hyphenated to High-Temperature Torch Integrated Sample Introduction System-Inductively Coupled Plasma Spectrometer with Direct Injection of the Organic Phase. Analytical Chemistry, 2017, 89, 3787-3794.	3.2	30
22	A dried droplet calibration approach for the analysis of solid samples through laser ablation â€“ inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2017, 32, 587-596.	1.6	10
23	Analysis of whole blood by ICP-MS equipped with a high temperature total sample consumption system. Journal of Analytical Atomic Spectrometry, 2017, 32, 78-87.	1.6	25
24	Cerebrospinal fluid elemental analysis by using a total sample consumption system operated at high temperature adapted to inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2017, 32, 1916-1924.	1.6	9
25	Aerosol-Phase Extraction Method for Determination of Ca, K, Mg, and Na in Biodiesel through Inductively Coupled Plasma Optical Emission Spectrometry. Analytical Chemistry, 2017, 89, 13618-13625.	3.2	12
26	Analysis of bioethanol samples through Inductively Coupled Plasma Mass Spectrometry with a total sample consumption system. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 124, 99-108.	1.5	20
27	Metal and metalloid determination in bioethanol through inductively coupled plasma-optical emission spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 115, 16-22.	1.5	27
28	Introduction of organic/hydro-organic matrices in inductively coupled plasma optical emission spectrometry and mass spectrometry: A tutorial review. Part II. Practical considerations. Analytica Chimica Acta, 2015, 885, 57-91.	2.6	62
29	Introduction of organic/hydro-organic matrices in inductively coupled plasma optical emission spectrometry and mass spectrometry: A tutorial review. Part I. Theoretical considerations. Analytica Chimica Acta, 2015, 885, 33-56.	2.6	69
30	Determination of fatâ€soluble vitamins in vegetable oils through microwaveâ€assisted highâ€performance liquid chromatography. Journal of Separation Science, 2015, 38, 1073-1081.	1.3	8
31	Metal and metalloid determination in biodiesel and bioethanol. Journal of Analytical Atomic Spectrometry, 2015, 30, 64-101.	1.6	48
32	Quantification of nickel, vanadium and manganese in petroleum products and biofuels through inductively coupled plasma mass spectrometry equipped with a high temperature single pass spray chamber. Journal of Analytical Atomic Spectrometry, 2014, 29, 242-248.	1.6	21
33	Ion balance in waters through inductively coupled plasma optical emission spectrometry. International Journal of Environmental Analytical Chemistry, 2014, 94, 427-440.	1.8	3
34	Determination of trace elements in petroleum products by inductively coupled plasma techniques: A critical review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 88, 104-126.	1.5	92
35	Total introduction of microsamples in inductively coupled plasma mass spectrometry by high-temperature evaporation chamber with a sheathing gas stream. Analytica Chimica Acta, 2013, 767, 14-20.	2.6	25
36	Influence of chemical species on the determination of arsenic using inductively coupled plasma mass spectrometry at a low liquid flow rate. Journal of Analytical Atomic Spectrometry, 2013, 28, 1718.	1.6	16

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37	Improving the analytical performances of ICP-AES by using a high-temperature single-pass spray chamber and segmented-injections micro-sample introduction for the analysis of environmental samples. Journal of Analytical Atomic Spectrometry, 2012, 27, 1400.	1.6	22
38	High temperature liquid chromatographyâ€“inductively coupled plasma mass spectrometry for the determination of arsenosugars in biological samples. Journal of Chromatography A, 2012, 1262, 70-76.	1.8	19
39	Development of a new aerosol phase extraction method for metal determination through inductively coupled plasma atomic emission spectrometry. Talanta, 2012, 99, 330-334.	2.9	5
40	Universal calibration for metal determination in fuels and biofuels by inductively coupled plasma atomic emission spectrometry based on segmented flow injection and a 350 Â°C heated chamber. Journal of Analytical Atomic Spectrometry, 2012, 27, 937.	1.6	51
41	Development of an Analytical Method for the Combined Determination of Water-Soluble Vitamins and Minerals Through High-Performance Liquid Chromatographyâ€“Inductively Coupled Plasma Atomic Emission Spectrometry Hyphenation. Food Analytical Methods, 2012, 5, 897-908.	1.3	3
42	Speciation of phosphorus oxoacids in natural and waste water samples. Journal of Chromatography A, 2012, 1231, 16-21.	1.8	13
43	Influence of the operating parameters and of the sample introduction system on time correlation of line intensities using an axially viewed CCD-based ICP-AES system. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 137-146.	1.5	6
44	Influence of nebulizer design and aerosol impact bead on analytical sensitivities of inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 908-917.	1.5	13
45	Fast determination of arsenosugars in algal extracts by narrow bore high-performance liquid chromatographyâ€“inductively coupled plasma mass spectrometry. Journal of Chromatography A, 2010, 1217, 7428-7433.	1.8	13
46	High-Temperature Liquid Chromatography Inductively Coupled Plasma Atomic Emission Spectrometry hyphenation for the combined organic and inorganic analysis of foodstuffs. Journal of Chromatography A, 2010, 1217, 6195-6202.	1.8	14
47	Air-segmented, 5-Î¼L flow injection associated with a 200 Â°C heated chamber to minimize plasma loading limitations and difference of behaviour between alkanes, aromatic compounds and petroleum products in inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 1888.	1.6	25
48	Effect of solvent dilution on the ICP-AES based silicon sensitivity, the aerosol characteristics and the resulting organic solution properties in the analysis of petroleum products. Journal of Analytical Atomic Spectrometry, 2010, 25, 178.	1.6	20
49	Minimization of the effect of silicon chemical form in xylene matrices on ICP-AES performance. Journal of Analytical Atomic Spectrometry, 2009, 24, 1382.	1.6	23
50	Jean-Michel forever. Journal of Analytical Atomic Spectrometry, 2009, 24, 370.	1.6	0
51	Heated-spray chamber-based low sample consumption system for inductively coupled plasma spectrometry. Journal of Analytical Atomic Spectrometry, 2009, 24, 903.	1.6	44
52	Effect of the silicon chemical form on the emission intensity in inductively coupled plasma atomic emission spectrometry for xylene matrices. Journal of Analytical Atomic Spectrometry, 2009, 24, 391-401.	1.6	31
53	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. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 571-584.	1.5	13
54	Rapid analytical method for the determination of organic and inorganic species in tomato samples through HPLCâ€“ICP-AES coupling. Food Chemistry, 2008, 111, 469-475.	4.2	26

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55	Study of the absence of recondensation with low liquid delivery rates by using a cavity sheathing gas in inductively coupled plasma-atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 2007, 22, 523.	1.6	14
56	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. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 326-339.	1.5	20
57	A new continuous calibration method for inductively coupled plasma spectrometry. Analytical and Bioanalytical Chemistry, 2005, 384, 531-541.	1.9	10
58	Towards total-consumption pneumatic liquid micro-sample-introduction systems in ICP spectrochemistry. Analytical and Bioanalytical Chemistry, 2004, 378, 57-59.	1.9	20
59	Study of direct injection in ICP-AES using a commercially available micronebulizer associated with a reduced length torch. Journal of Analytical Atomic Spectrometry, 2004, 19, 1347-1353.	1.6	10
60	Compensation for matrix effects in ICP-AES by using air segmented liquid microsample introduction. The role of the spray chamber. Journal of Analytical Atomic Spectrometry, 2004, 19, 728-737.	1.6	20
61	Elemental matrix effects in ICP-AES. Journal of Analytical Atomic Spectrometry, 2002, 17, 142-169.	1.6	161
62	New torch design with an in-built chamber for liquid sample analysis by ICP-AES. Journal of Analytical Atomic Spectrometry, 2002, 17, 345-351.	1.6	40
63	Influence of the spray chamber design for vapor-based liquid sample introduction at room temperature in ICP-AES. Journal of Analytical Atomic Spectrometry, 2002, 17, 211-218.	1.6	37
64	Evaluation of a direct injection high-efficiency nebulizer (DIHEN) by comparison with a high-efficiency nebulizer (HEN) coupled to a cyclonic spray chamber as a liquid sample introduction system for ICP-AES. Journal of Analytical Atomic Spectrometry, 2001, 16, 514-520.	1.6	66
65	Effect of the spray chamber design on steady and transient acid interferences in inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 2000, 15, 863-867.	1.6	32
66	Comparison of characteristics and limits of detection of pneumatic micronebulizers and a conventional nebulizer operating at low uptake rates in ICP-AES. Journal of Analytical Atomic Spectrometry, 1999, 14, 1289-1295.	1.6	60
67	Minimization of acid effects at low consumption rates in an axially viewed inductively coupled plasma atomic emission spectrometer by using micronebulizer-based sample introduction systems. Journal of Analytical Atomic Spectrometry, 1998, 13, 727-734.	1.6	52
68	Comparison of the effect of acetic acid with axially and radially viewed inductively coupled plasma atomic emission spectrometry: influence of the operating conditions. Journal of Analytical Atomic Spectrometry, 1998, 13, 63-67.	1.6	35
69	Characterization of a new single-bore high-pressure pneumatic nebulizer for atomic spectrometryâ€"I. Drop size distribution, transport variables and analytical signal in flame atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1993, 48, 373-386.	1.5	16
70	Characterization of a new single-bore high-pressure pneumatic nebulizer for atomic spectrometryâ€"II. Discrete sample introduction in flame atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1993, 48, 1461-1470.	1.5	6