

Antonio Canals

List of Publications by Year in descending order

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137
papers

5,476
citations

57758

44
h-index

102487

66
g-index

140
all docs

140
docs citations

140
times ranked

4829
citing authors

#	ARTICLE	IF	CITATIONS
1	Vitamin E determination in edible oils by reversed-phase dispersive liquid-liquid microextraction and screen-printed carbon electrodes. <i>Advances in Sample Preparation</i> , 2022, 1, 100005.	3.0	2
2	Application of magnetic nanomaterials in forensic chemistry. , 2021, , 191-210.		0
3	Simple-to-use and portable device for free chlorine determination based on microwave-assisted synthesized carbon dots and smartphone images. <i>Talanta</i> , 2021, 229, 122298.	5.5	10
4	Dispersive liquid-liquid microextraction based on deep eutectic solvent for elemental impurities determination in oral and parenteral drugs by inductively coupled plasma optical emission spectrometry. <i>Analytica Chimica Acta</i> , 2021, 1185, 339052.	5.4	34
5	Magnetic nanomaterials in analytical chemistry. <i>Talanta</i> , 2021, 235, 122762.	5.5	1
6	MSIS- α P- β S determination of As and Sb in complex matrices by magnetic nanoparticles-assisted hydride generation. <i>Analytical Methods</i> , 2021, 13, 1172-1180.	2.7	5
7	Reversed-phase dispersive liquid-liquid microextraction for elemental analysis of gasoline by inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2338-2345.	3.0	4
8	Dispersive liquid-liquid microextraction of Cd, Hg and Pb from medicines prior to ICP OES determination according to the United States Pharmacopeia. <i>Analytical Methods</i> , 2021, 13, 5670-5678.	2.7	7
9	Reference Measurements for Priority and Essential Trace Elements and Methyl Mercury with Isotope Dilution Inductively Coupled Plasma-Mass Spectrometry for Seafood Safety Assessment and CRM Production. <i>Food Analytical Methods</i> , 2020, 13, 390-402.	2.6	3
10	Magnetic dispersive solid-phase extraction using a zeolite-based composite for direct electrochemical determination of lead(II) in urine using screen-printed electrodes. <i>Mikrochimica Acta</i> , 2020, 187, 87.	5.0	17
11	A new multinebulizer for spectrochemical analysis: wear metal determination in used lubricating oils by on-line standard dilution analysis (SDA) using inductively coupled plasma optical emission spectrometry (ICP OES). <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 265-272.	3.0	17
12	Determination of four bisphenols in water and urine samples by magnetic dispersive solid-phase extraction using a modified zeolite/iron oxide composite prior to liquid chromatography diode array detection. <i>Journal of Separation Science</i> , 2020, 43, 1808-1816.	2.5	23
13	Determination of cadmium in used engine oil, gasoline and diesel by electrothermal atomic absorption spectrometry using magnetic ionic liquid-based dispersive liquid-liquid microextraction. <i>Talanta</i> , 2020, 220, 121395.	5.5	31
14	Magnetic dispersive solid-phase extraction using ZSM-5 zeolite/Fe ₂ O ₃ composite coupled with screen-printed electrodes based electrochemical detector for determination of cadmium in urine samples. <i>Talanta</i> , 2020, 220, 121394.	5.5	17
15	A multinebulization technique for the determination of trace metals in a marine biota sample by on-line isotope dilution inductively coupled plasma mass spectrometry (OID-ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2509-2516.	3.0	2
16	New, inexpensive and simple 3D printable device for nephelometric and fluorimetric determination based on smartphone sensing. <i>RSC Advances</i> , 2020, 10, 19713-19719.	3.6	9
17	Dispersive micro solid-phase extraction (D μ SPE) with graphene oxide as adsorbent for sensitive elemental analysis of aqueous samples by laser induced breakdown spectroscopy (LIBS). <i>Talanta</i> , 2019, 191, 162-170.	5.5	51
18	Point-of-use detection of ascorbic acid using a spectrometric smartphone-based system. <i>Food Chemistry</i> , 2019, 272, 141-147.	8.2	39

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19	A modified zeolite/iron oxide composite as a sorbent for magnetic dispersive solid-phase extraction for the preconcentration of nonsteroidal anti-inflammatory drugs in water and urine samples. <i>Journal of Chromatography A</i> , 2019, 1603, 33-43.	3.7	49
20	Zeolites and zeolite-based materials in extraction and microextraction techniques. <i>Analyst</i> , The, 2019, 144, 366-387.	3.5	48
21	Metal applications of liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 112, 241-247.	11.4	47
22	Portable electrochemical sensor based on 4-aminobenzoic acid-functionalized herringbone carbon nanotubes for the determination of ascorbic acid and uric acid in human fluids. <i>Biosensors and Bioelectronics</i> , 2018, 109, 123-131.	10.1	71
23	A modified ZSM-5 zeolite/Fe ₂ O ₃ composite as a sorbent for magnetic dispersive solid-phase microextraction of cadmium, mercury and lead from urine samples prior to inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 856-866.	3.0	37
24	Rapid determination of hydrophilic phenols in olive oil by vortex-assisted reversed-phase dispersive liquid-liquid microextraction and screen-printed carbon electrodes. <i>Talanta</i> , 2018, 181, 44-51.	5.5	24
25	Hydrophilic magnetic ionic liquid for magnetic headspace single-drop microextraction of chlorobenzenes prior to thermal desorption-gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4679-4687.	3.7	40
26	Determination of siloxanes in water samples employing graphene oxide/Fe ₃ O ₄ nanocomposite as sorbent for magnetic solid-phase extraction prior to GC-MS. <i>Journal of Separation Science</i> , 2018, 41, 4177-4184.	2.5	15
27	Evaluation of herringbone carbon nanotubes-modified electrodes for the simultaneous determination of ascorbic acid and uric acid. <i>Electrochimica Acta</i> , 2018, 285, 284-291.	5.2	41
28	Au-IDA microelectrodes modified with Au-doped graphene oxide for the simultaneous determination of uric acid and ascorbic acid in urine samples. <i>Electrochimica Acta</i> , 2017, 227, 275-284.	5.2	53
29	A stretchable and screen-printed electrochemical sensor for glucose determination in human perspiration. <i>Biosensors and Bioelectronics</i> , 2017, 91, 885-891.	10.1	274
30	Graphene oxide/Fe ₃ O ₄ as sorbent for magnetic solid-phase extraction coupled with liquid chromatography to determine 2,4,6-trinitrotoluene in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2665-2674.	3.7	41
31	Magnetic headspace adsorptive extraction of chlorobenzenes prior to thermal desorption gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 971, 40-47.	5.4	21
32	Complexation-mediated electromembrane extraction of highly polar basic drugs—a fundamental study with catecholamines in urine as model system. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4215-4223.	3.7	19
33	Total sulfur determination in liquid fuels by ICP-OES after oxidation-extraction desulfurization using magnetic graphene oxide. <i>Fuel</i> , 2017, 210, 507-513.	6.4	20
34	Determination of As, Se, and Hg in fuel samples by in-chamber chemical vapor generation ICP OES using a Flow Blurring [®] multinebulizer. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5481-5490.	3.7	15
35	Flavin mononucleotide-exfoliated graphene flakes as electrodes for the electrochemical determination of uric acid in the presence of ascorbic acid. <i>Journal of Electroanalytical Chemistry</i> , 2016, 783, 41-48.	3.8	16
36	Zeolite/iron oxide composite as sorbent for magnetic solid-phase extraction of benzene, toluene, ethylbenzene and xylenes from water samples prior to gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1458, 18-24.	3.7	49

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37	Tungsten coil atomic emission spectrometry combined with dispersive liquid-liquid microextraction: A synergistic association for chromium determination in water samples. <i>Talanta</i> , 2016, 148, 602-608.	5.5	27
38	Vortex-assisted dispersive liquid-liquid microextraction for the determination of molybdenum in plants by inductively coupled plasma optical emission spectrometry. <i>Analytical Methods</i> , 2016, 8, 810-815.	2.7	14
39	Mercury determination in urine samples by gold nanostructured screen-printed carbon electrodes after vortex-assisted ionic liquid dispersive liquid-liquid microextraction. <i>Analytica Chimica Acta</i> , 2016, 915, 49-55.	5.4	57
40	Microwave-Assisted Extraction of Phenolic Compounds from Almond Skin Byproducts (<i>Prunus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 63, 5395-5402.	5.2	76
41	Dispersive liquid-liquid microextraction combined with laser-induced breakdown spectrometry and inductively coupled plasma optical emission spectrometry to elemental analysis. <i>Microchemical Journal</i> , 2015, 121, 219-226.	4.5	41
42	Speciation of chromium by dispersive liquid-liquid microextraction followed by laser-induced breakdown spectrometry detection (DLLME-LIBS). <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2541-2547.	3.0	36
43	Screen-printed electrode based electrochemical detector coupled with ionic liquid dispersive liquid-liquid microextraction and microvolume back-extraction for determination of mercury in water samples. <i>Talanta</i> , 2015, 135, 34-40.	5.5	38
44	Hyphenation of single-drop microextraction with laser-induced breakdown spectrometry for trace analysis in liquid samples: a viability study. <i>Analytical Methods</i> , 2015, 7, 877-883.	2.7	25
45	Dispersive liquid-liquid microextraction for metals enrichment: A useful strategy for improving sensitivity of laser-induced breakdown spectroscopy in liquid samples analysis. <i>Talanta</i> , 2015, 131, 348-353.	5.5	66
46	Analysis of metals and phosphorus in biodiesel B100 from different feedstock using a Flow Blurring [®] multinebulizer in inductively coupled plasma-optical emission spectrometry. <i>Analytica Chimica Acta</i> , 2014, 827, 15-21.	5.4	29
47	Screen-printed electrode-based electrochemical detector coupled with in-situ ionic-liquid-assisted dispersive liquid-liquid microextraction for determination of 2,4,6-trinitrotoluene. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2197-2204.	3.7	31
48	Compensation of inorganic acid interferences in ICP-OES and ICP-MS using a Flow Blurring [®] multinebulizer. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1218-1227.	3.0	12
49	Determination of cyclic and linear siloxanes in wastewater samples by ultrasound-assisted dispersive liquid-liquid microextraction followed by gas chromatography-mass spectrometry. <i>Talanta</i> , 2014, 120, 191-197.	5.5	50
50	Elemental speciation by capillary electrophoresis with inductively coupled plasma spectrometry: A new approach by Flow Focusing [®] nebulization. <i>Microchemical Journal</i> , 2014, 117, 27-33.	4.5	11
51	The determination of V and Mo by dispersive liquid-liquid microextraction (DLLME) combined with laser-induced breakdown spectroscopy (LIBS). <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1813-1818.	3.0	28
52	Aerosol generation of As and Se hydrides using a new Flow Blurring [®] multiple nebulizer for sample introduction in inductively coupled plasma optical emission spectrometry. <i>Microchemical Journal</i> , 2014, 112, 82-86.	4.5	20
53	Rapid determination of octanol-water partition coefficient using vortex-assisted liquid-liquid microextraction. <i>Journal of Chromatography A</i> , 2014, 1330, 1-5.	3.7	26
54	Analysis of waste electrical and electronic equipment (WEEE) using laser induced breakdown spectroscopy (LIBS) and multivariate analysis. <i>Talanta</i> , 2013, 117, 419-424.	5.5	33

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55	Elemental analysis by surface-enhanced Laser-Induced Breakdown Spectroscopy combined with liquid-liquid microextraction. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 79-80, 88-93.	2.9	117
56	Analysis of biodiesel and oil samples by on-line calibration using a Flow Blurring® multinebulizer in ICP OES without oxygen addition. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 2102.	3.0	24
57	Unmodified manganese ferrite nanoparticles as a new sorbent for solid-phase extraction of trace metal-APDC complexes followed by inductively coupled plasma mass spectrometry analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1743.	3.0	16
58	Exploring the electrochemical behavior of screen printed graphite electrodes in a room temperature ionic liquid. <i>RSC Advances</i> , 2012, 2, 7735.	3.6	15
59	Ionic liquid-modified materials for solid-phase extraction and separation: A review. <i>Analytica Chimica Acta</i> , 2012, 715, 19-41.	5.4	321
60	Correction of matrix effects for As and Se in ICP OES using a Flow Blurring® multiple nebulizer. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 2132.	3.0	13
61	Microwave-assisted solid phase extraction prior to ICP-MS determination of Pd and Pt in environmental and biological samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1106-1119.	3.3	8
62	Ionic liquid-functionalized silica for selective solid-phase extraction of organic acids, amines and aldehydes. <i>Journal of Chromatography A</i> , 2012, 1226, 2-10.	3.7	70
63	Determination of nitroaromatic explosives in water samples by direct ultrasound-assisted dispersive liquid-liquid microextraction followed by gas chromatography-mass spectrometry. <i>Talanta</i> , 2011, 85, 2546-2552.	5.5	56
64	Removal of Silver and Lead Ions from Water Wastes Using <i>Azolla filiculoides</i> , an Aquatic Plant, Which Adsorbs and Reduces the Ions into the Corresponding Metallic Nanoparticles Under Microwave Radiation in 5 min. <i>Water, Air, and Soil Pollution</i> , 2011, 218, 365-370.	2.4	12
65	Fast screening of perfluorooctane sulfonate in water using vortex-assisted liquid-liquid microextraction coupled to liquid chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2011, 691, 56-61.	5.4	74
66	Dispersive solid-phase extraction based on oleic acid-coated magnetic nanoparticles followed by gas chromatography-mass spectrometry for UV-filter determination in water samples. <i>Journal of Chromatography A</i> , 2011, 1218, 2467-2475.	3.7	169
67	Determination of geosmin and 2-methylisoborneol in water and wine samples by ultrasound-assisted dispersive liquid-liquid microextraction coupled to gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 17-22.	3.7	78
68	Fast and Selective Microfluidic Chips for Electrochemical Antioxidant Sensing in Complex Samples. <i>Analytical Chemistry</i> , 2010, 82, 2925-2931.	6.5	54
69	Ionic liquid-based single-drop microextraction followed by liquid chromatography-ultraviolet spectrophotometry detection to determine typical UV filters in surface water samples. <i>Talanta</i> , 2010, 81, 549-555.	5.5	138
70	Compensation for matrix effects on ICP-OES by on-line calibration methods using a new multi-nebulizer based on Flow Blurring® technology. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1724.	3.0	28
71	Simple and commercial readily-available approach for the direct use of ionic liquid-based single-drop microextraction prior to gas chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 1290-1295.	3.7	112
72	A simultaneous, direct microwave/ultrasound-assisted digestion procedure for the determination of total Kjeldahl nitrogen. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 564-569.	8.2	57

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73	Trivalent manganese as an environmentally friendly oxidizing reagent for microwave- and ultrasound-assisted chemical oxygen demand determination. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 686-691.	8.2	27
74	Determination of organochlorine pesticides in complex matrices by single-drop microextraction coupled to gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2009, 638, 29-35.	5.4	81
75	Determination of organochlorine pesticides in water samples by dispersive liquid-liquid microextraction coupled to gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2009, 649, 218-221.	5.4	97
76	Speciation of mercury by ionic liquid-based single-drop microextraction combined with high-performance liquid chromatography-photodiode array detection. <i>Talanta</i> , 2009, 78, 537-541.	5.5	140
77	Towards a calibration-less ICP-AES method for the determination of trace elements in aqueous solutions: Double ratio plasma diagnostics combined with an internal standard. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 655.	3.0	10
78	Development and characterization of a Flow Focusing multi nebulization system for sample introduction in ICP-based spectrometric techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1213.	3.0	19
79	Chemically surface-modified carbon nanoparticle carrier for phenolic pollutants: Extraction and electrochemical determination of benzophenone-3 and triclosan. <i>Analytica Chimica Acta</i> , 2008, 616, 28-35.	5.4	64
80	Investigation of ICP-MS spectral interferences in the determination of Rh, Pd and Pt in road dust: Assessment of correction algorithms via uncertainty budget analysis and interference alleviation by preliminary acid leaching. <i>Talanta</i> , 2008, 77, 889-896.	5.5	26
81	Microwave-assisted cloud point extraction of Rh, Pd and Pt with 2-mercaptobenzothiazole as preconcentration procedure prior to ICP-MS analysis of pharmaceutical products. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 717.	3.0	52
82	Evaluation of various nebulizers for use in microwave induced plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1174.	3.0	26
83	Sensitive determination of free benzophenone-3 in human urine samples based on an ionic liquid as extractant phase in single-drop microextraction prior to liquid chromatography analysis. <i>Journal of Chromatography A</i> , 2007, 1174, 95-103.	3.7	125
84	An ionic liquid as a solvent for headspace single drop microextraction of chlorobenzenes from water samples. <i>Analytica Chimica Acta</i> , 2007, 584, 189-195.	5.4	161
85	Microwave-assisted headspace single-drop microextraction of chlorobenzenes from water samples. <i>Analytica Chimica Acta</i> , 2007, 592, 9-15.	5.4	58
86	Combination of the ionic-to-atomic line intensity ratios from two test elements for the diagnostic of plasma temperature and electron number density in Inductively Coupled Plasma Atomic Emission Spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 435-443.	2.9	33
87	Flow focusing pneumatic nebulizer in comparison with several micronebulizers in inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 770-777.	3.0	24
88	Behaviour of a flow focusing pneumatic nebulizer with high total dissolved solids solution on radially- and axially-viewed inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1072-1075.	3.0	16
89	Comparison of three optimized digestion methods for rapid determination of chemical oxygen demand: Closed microwaves, open microwaves and ultrasound irradiation. <i>Analytica Chimica Acta</i> , 2006, 561, 210-217.	5.4	57
90	Sample Preparation for Chromatographic Analysis of Environmental Samples. <i>Chromatographic Science</i> , 2005, , 31-131.	0.1	2

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91	Headspace single-drop microextraction for the analysis of chlorobenzenes in water samples. <i>Journal of Chromatography A</i> , 2005, 1089, 25-30.	3.7	93
92	Microwave enhanced electroanalysis of formulations: processes in micellar media at glassy carbon and at platinum electrodes. <i>Analyst, The</i> , 2005, 130, 1425.	3.5	17
93	Microwave activation of the electro-oxidation of glucose in alkaline media. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 3552.	2.8	32
94	Direct ultrasound-assisted extraction of heavy metals from sewage sludge samples for ICP-OES analysis. <i>Analytica Chimica Acta</i> , 2004, 516, 187-196.	5.4	58
95	Preliminary characterization and fundamental properties of aerosols generated by a flow focusing pneumatic nebulizer. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1340-1346.	3.0	23
96	Determination of calcium, iron and manganese in moss by automated discrete sampling flame atomic absorption spectrometry as an alternative to the ICP-MS analysis. <i>Talanta</i> , 2003, 59, 123-136.	5.5	10
97	Application of internal standardization in ICP-QMS through discrete sample introduction methodologies. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 1171.	3.0	12
98	Development of a Fully Automatic Microwave Assisted Chemical Oxygen Demand (COD) Measurement Device. <i>Instrumentation Science and Technology</i> , 2003, 31, 249-259.	1.8	19
99	Evaluation of new models for drop size distribution prediction of aerosols in atomic spectrometry: pneumatic nebulizers. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 524-529.	3.0	14
100	Elimination of nitric acid interference in ICP-AES by using a cyclonic spray chamber/Nafion membrane-based desolvation system. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 219-226.	3.0	7
101	Ultrasound-assisted method for determination of chemical oxygen demand. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 1132-1140.	3.7	36
102	New ultrasound assisted chemical oxygen demand determination. <i>Ultrasonics Sonochemistry</i> , 2002, 9, 143-149.	8.2	22
103	Comparison of several spray chambers operating at very low liquid flow rates in inductively coupled plasma atomic emission spectrometry. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 368, 773-779.	1.5	46
104	Determination of metals in lubricating oils by flame atomic absorption spectrometry using a single-bore high-pressure pneumatic nebulizer. <i>Analyst, The</i> , 2000, 125, 2344-2349.	3.5	28
105	Rapid Determination of Toxic Elements in Finger Paints by Microwave Assisted Acid Digestion and Atomic Spectrometry Detection. <i>Analytical Letters</i> , 1999, 32, 771-785.	1.8	6
106	Insight into the interaction of the microwave radiation with droplets of interest in analytical chemistry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1999, 54, 333-342.	2.9	11
107	Microwave desolvation for acid sample introduction in inductively coupled plasma atomic emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1999, 54, 469-480.	2.9	15
108	Desolvation of acid solutions in inductively coupled plasma atomic emission spectrometry by infrared radiation. Comparison with a system based on microwave radiation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1999, 54, 1321-1333.	2.9	17

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109	Comparison of characteristics and limits of detection of pneumatic micronebulizers and a conventional nebulizer operating at low uptake rates in ICP-AES. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1289-1295.	3.0	60
110	Evaluation of several commercially available spray chambers for use in inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 61-67.	3.0	59
111	Rapid determination of chemical oxygen demand by a semi-automated method based on microwave sample digestion, chromium(VI) organic solvent extraction and flame atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 1998, 372, 399-409.	5.4	50
112	Aerosol desolvation studies with a thermospray nebulizer coupled to inductively coupled plasma atomic emission spectrometry. <i>Analyst, The</i> , 1998, 123, 1229-1234.	3.5	17
113	Evaluation of a microwave desolvation system in inductively coupled plasma mass spectrometry with low acid concentration solutions. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 175-181.	3.0	20
114	Acid effects in inductively coupled plasma atomic emission spectrometry with different nebulizers operated at very low sample consumption rates. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 55-62.	3.0	60
115	Comparative Study of Several Nebulizers in Inductively Coupled Plasma Atomic Emission Spectrometry: Low-pressure versus High-pressure Nebulization. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 445-451.	3.0	30
116	A Microwave-Powered Thermospray Nebulizer for Liquid Sample Introduction in Inductively Coupled Plasma Atomic Emission Spectrometry. <i>Analytical Chemistry</i> , 1997, 69, 3578-3586.	6.5	24
117	Behaviour of a desolvation system based on microwave radiation heating for use in inductively coupled plasma atomic emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1997, 52, 1201-1213.	2.9	23
118	Behaviour of a single-bore high-pressure pneumatic nebulizer operating with alcohols in inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1996, 11, 949.	3.0	20
119	Behaviour of the thermospray nebulizer as a system for the introduction of organic solutions in flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1996, 51, 1535-1549.	2.9	24
120	Flow injection method for the rapid determination of chemical oxygen demand based on microwave digestion and chromium speciation in flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1996, 51, 1791-1800.	2.9	49
121	Fundamental studies on pneumatic generation and aerosol transport in atomic spectrometry: effect of mineral acids on emission intensity in inductively coupled plasma atomic emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1995, 50, 305-321.	2.9	55
122	An experimental study of the behaviour of several elements in inductively coupled plasma mass spectrometry using the single-bore high-pressure pneumatic nebulizer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1995, 50, 985-996.	2.9	14
123	Performance of the New Single-Bore High-Pressure Pneumatic Nebulizer (SBHPPN) in Plasma Atomic Emission Spectrometry. <i>Applied Spectroscopy</i> , 1994, 48, 573-580.	2.2	12
124	Characterization of a new single-bore high-pressure pneumatic nebulizer for atomic spectrometry ¹ . Drop size distribution, transport variables and analytical signal in flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1993, 48, 373-386.	2.9	16
125	Characterization of a new single-bore high-pressure pneumatic nebulizer for atomic spectrometry ² . Discrete sample introduction in flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1993, 48, 1461-1470.	2.9	6
126	Effect of surfactants in flame atomic absorption spectrometry with pneumatic nebulization: influence of hydrophobic chain length. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 109.	3.0	18

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127	Experimental Evaluation of the Nukiyama-Tanasawa Equation for Pneumatically Generated Aerosols Used in Flame Atomic Spectrometry. <i>Applied Spectroscopy</i> , 1992, 46, 669-676.	2.2	14
128	Effect of analyte and solvent transport on signal intensities in inductively coupled plasma atomic emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1992, 47, 659-673.	2.9	62
129	Influence of solvent physical properties on drop size distribution, transport and sensitivity in flame atomic absorption spectrometry with pneumatic nebulization. <i>Journal of Analytical Atomic Spectrometry</i> , 1991, 6, 573.	3.0	23
130	Effect of long-chain surfactants on drop size distribution, transport efficiency and sensitivity in flame atomic absorption spectrometry with pneumatic nebulization. <i>Journal of Analytical Atomic Spectrometry</i> , 1991, 6, 139.	3.0	21
131	Experimental evaluation of the Nukiyama-Tanasawa equation for pneumatic nebulisers used in plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1990, 5, 61.	3.0	49
132	Evolution of drop size distributions for pneumatically generated aerosols in inductively coupled plasma-atomic emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1990, 45, 591-601.	2.9	44
133	Empirical model for estimating drop size distributions of aerosols generated by inductively coupled plasma nebulizers. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1988, 43, 1321-1335.	2.9	62
134	Fluoride interference on the boron inductively coupled plasma atomic emission in methanolic solutions. <i>Journal of Analytical Atomic Spectrometry</i> , 1987, 2, 379.	3.0	4
135	Flame atomic emission spectrometric determination of boron in methanolic solutions: influence of fluoride on the solute transport efficiency. <i>Journal of Analytical Atomic Spectrometry</i> , 1986, 1, 277.	3.0	5
136	Hydrofluoric distillation: a new approach to the determination of silicon, phosphorus and arsenic in siliceous materials. <i>Analyst, The</i> , 1986, 111, 965.	3.5	7
137	Fluoride interference in the molecular emission of boron in water/methanol media. <i>Analytica Chimica Acta</i> , 1985, 169, 377-383.	5.4	4