Diane Beauchemin

List of Publications by Year
in descending order

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138	4,414	101543	128289
papers	citations	36 h-index	60 g-index

140	140	140	2597
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of the effects of concomitant elements in inductively coupled plasmamass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1987, 42, 467-490.	2.9	207
2	Identification and quantitation of arsenic species in a dogfish muscle reference material for trace elements. Analytical Chemistry, 1988, 60, 2209-2212.	6.5	185
3	Matrix effects in inductively coupled plasma mass spectrometry: A review. Analytica Chimica Acta, 2011, 706, 66-83.	5.4	179
4	Application of isotope dilution inductively coupled plasma mass spectrometry to the analysis of marine sediments. Analytical Chemistry, 1987, 59, 610-613.	6.5	163
5	Determination of trace metals in reference water standards by inductively coupled plasma mass spectrometry with on-line preconcentration. Analytical Chemistry, 1989, 61, 1857-1862.	6.5	160
6	Determination of arsenic species by high-performance liquid chromatography-inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1989, 4, 285.	3.0	148
7	Metal-Binding Characteristics of the Gamma-Glutamyl Capsular Polymer of Bacillus licheniformis ATCC 9945. Applied and Environmental Microbiology, 1990, 56, 3671-3677.	3.1	131
8	Determination of trace metals in a river water reference material by inductively coupled plasma mass spectrometry. Analytical Chemistry, 1987, 59, 778-783.	6.5	124
9	Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2010, 82, 4786-4810.	6.5	108
10	Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2008, 80, 4455-4486.	6.5	97
11	Determination of trace metals in an open ocean water reference material by inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1988, 3, 305.	3.0	93
12	Determination of organomercury in biological reference materials by inductively coupled plasma mass spectrometry using flow injection analysis. Analytical Chemistry, 1988, 60, 2587-2590.	6.5	91
13	Platinum Electro-dissolution in Acidic Media upon Potential Cycling. Electrocatalysis, 2014, 5, 96-112.	3.0	91
14	Investigations on mixed-gas plasmas produced by adding nitrogen to the plasma gas in ICP-MS. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1991, 46, 603-614.	2.9	70
15	Electrochemically Active Nickel Foams as Support Materials for Nanoscopic Platinum Electrocatalysts. ACS Applied Materials & Interfaces, 2014, 6, 12046-12061.	8.0	70
16	Determination of trace metals in marine biological reference materials by inductively coupled plasma mass spectrometry. Analytical Chemistry, 1988, 60, 687-691.	6.5	66
17	Inductively Coupled Plasma Mass Spectrometry with On-Line Leaching:Â A Method To Assess the Mobility and Fractionation of Elements. Analytical Chemistry, 2002, 74, 3924-3928.	6.5	62
18	Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2006, 78, 4111-4136.	6.5	58

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19	Influence of Electrolyte Composition and pH on Platinum Electrochemical and/or Chemical Dissolution in Aqueous Acidic Media. ACS Catalysis, 2015, 5, 2605-2614.	11.2	55
20	Determination of trace metals in marine sediments by inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1987, 2, 277.	3.0	54
21	Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2002, 74, 2873-2894.	6.5	52
22	Effect of concomitant elements on the distribution of ions in inductively coupled plasma-mass spectroscopy. Part 1. Elemental ions. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2000, 55, 1705-1731.	2.9	50
23	Realistic risk assessment of arsenic in rice. Food Chemistry, 2018, 257, 230-236.	8.2	49
24	Use of external calibration for the determination of trace metals in biological materials by inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1988, 3, 775.	3.0	48
25	Bioaccessibility of total arsenic and arsenic species in seafood as determined by a continuous online leaching method. Analytical and Bioanalytical Chemistry, 2012, 402, 2849-2859.	3.7	47
26	Influence of the Working and Counter Electrode Surface Area Ratios on the Dissolution of Platinum under Electrochemical Conditions. ACS Catalysis, 2016, 6, 5108-5116.	11.2	47
27	Use of a continuous leaching method to assess the oral bioaccessibility of trace elements in seafood. Food Chemistry, 2012, 135, 623-633.	8.2	46
28	Ion exchange chromatography coupled to inductively coupled plasma mass spectrometry for the study of Pt electro-dissolution. Analytica Chimica Acta, 2013, 785, 16-21.	5.4	46
29	A simple method for the speciation analysis of bio-accessible arsenic in seafood using on-line continuous leaching and ion exchange chromatography coupled to inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2008, 23, 1263.	3.0	45
30	The effect of cooking and washing rice on the bio-accessibility of As, Cu, Fe, V and Zn using an on-line continuous leaching method. Analytica Chimica Acta, 2013, 758, 28-35.	5.4	44
31	Reduction of the effects of concomitant elements in inductively coupled plasma mass spectrometry by adding nitrogen to the plasma gas. Journal of Analytical Atomic Spectrometry, 1992, 7, 937.	3.0	43
32	Towards the reduction of matrix effects in inductively coupled plasma mass spectrometry without compromising detection limits: The use of argonâ€“nitrogen mixed-gas plasma. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2011, 66, 1-11.	2.9	43
33	Environmental analysis by inductively coupled plasma mass spectrometry. Mass Spectrometry Reviews, 2010, 29, 560-592.	5.4	42
34	Chromium speciation at trace level in potable water using hyphenated ion exchange chromatography and inductively coupled plasma mass spectrometry with collision/reaction interface. Journal of Analytical Atomic Spectrometry, 2010, 25, 1046.	3.0	41
35	Simple method to assess the maximum bio-accessibility of elements from food using flow injection and inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 1213-1216.	3.0	40
36	A simple method using on-line continuous leaching and ion exchange chromatography coupled to inductively coupled plasma mass spectrometry for the speciation analysis of bio-accessible arsenic in rice. Analytica Chimica Acta, 2012, 717, 1-6.	5.4	39

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37	Spatial profiling of analyte signal intensities in inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 291-311.	2.9	38
38	Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2004, 76, 3395-3416.	6.5	37
39	Reduction of matrix effects and mass discrimination in inductively coupled plasma mass spectrometry with optimized argonâ€“nitrogen plasmas. Journal of Analytical Atomic Spectrometry, 1994, 9, 509-518.	3.0	36
40	Direct multielemental analysis of human serum by ICP-MS with on-line standard addition using flow injection. Journal of Analytical Atomic Spectrometry, 2003, 18, 951.	3.0	32
41	Inductively coupled plasma mass spectrometry in hyphenation: a multielemental analysis technique with almost unlimited potential. TrAC - Trends in Analytical Chemistry, 1991, 10, 71-76.	11.4	31
42	Effect of methanol and sodium dodecylsulfate on radial profiles of ion abundance in inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 319-325.	2.9	31
43	Enhanced flow injection leaching of rocks by focused microwave heating with in-line monitoring of released elements by inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2007, 584, 447-454.	5.4	31
44	Solid sampling electrothermal vaporization inductively coupled plasma optical emission spectrometry for discrimination of automotive paint samples in forensic analysis. Journal of Analytical Atomic Spectrometry, 2012, 27, 1928.	3.0	31
45	Optimization of the operating conditions of solid sampling electrothermal vaporization coupled to inductively coupled plasma optical emission spectrometry for the sensitive direct analysis of powdered rice. Analytica Chimica Acta, 2014, 851, 23-29.	5.4	31
46	Online Standard Addition Method with ICPMS Using Flow Injection. Analytical Chemistry, 1995, 67, 1553-1557.	6.5	30
47	Optimisation by experimental design of an IEC/ICP-MS speciation method for arsenic in seafood following microwave assisted extraction. Journal of Analytical Atomic Spectrometry, 2007, 22, 1168.	3.0	30
48	Combination of a multimode sample introduction system with a pre-evaporation tube to improve multi-element analysis by ICP-OES. Journal of Analytical Atomic Spectrometry, 2012, 27, 80-91.	3.0	30
49	Characterization of an interface allowing either nebulization or gas chromatography as the sample introduction system in ICPMS. Analytical Chemistry, 1993, 65, 97-103.	6.5	29
50	Marine biological reference materials for methylmercury: analytical methodologies used in certification. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1989, 333, 641-644.	0.8	28
51	Preliminary characterization of inductively coupled plasma mass spectrometry with flow injection into a gaseous (air) carrier. Analyst, The, 1993, 118, 815.	3.5	28
52	Characterization of inductively coupled plasma mass spectrometry with segmented-flow injection. Analyst, The, 1994, 119, 1677.	3.5	28
53	Improvement of the capabilities of inductively coupled plasma optical emission spectrometry by replacing the desolvation system of an ultrasonic nebulization system with a pre-evaporation tube. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 376-384.	2.9	28
54	Estimation of the bio-accessible fraction of Cr, As, Cd and Pb in locally available bread using on-line continuous leaching method coupled to inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2015, 867, 9-17.	5.4	28

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55	Spatial profiling of ion distributions in a nitrogenâ€“argon plasma in inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2003, 18, 289-295.	3.0	27
56	Flow Injection Single Particle Inductively Coupled Plasma Mass Spectrometry: An Original Simple Approach for the Characterization of Metal-Based Nanoparticles. Analytical Chemistry, 2016, 88, 10552-10558.	6.5	27
57	Determination of trace metals in saline water using flow injection on-line precipitation coupled with inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2001, 16, 1356-1363.	3.0	26
58	Analysis of the marine sediment reference material PACS-1 by inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1988, 43, 413-420.	2.9	25
59	Continuous leach inductively coupled plasma mass spectrometry: applications for exploration and environmental geochemistry. Geochemistry: Exploration, Environment, Analysis, 2005, 5, 123-134.	0.9	25
60	Structural Transformation of Monocrystalline Platinum Electrodes upon Electro-oxidation and Electro-dissolution. ACS Catalysis, 2018, 8, 6426-6439.	11.2	25
61	Preliminary investigation of direct sea-water analysis by inductively coupled plasma mass spectrometry using a mixed-gas plasma, flow injection and external calibration. Journal of Analytical Atomic Spectrometry, 2003, 18, 1109-1112.	3.0	24
62	Automated On-Line Isotope Dilution Analysis with ICP-MS Using Sandwich Flow Injection. Analytical Chemistry, 1998, 70, 1036-1040.	6.5	22
63	Ultrasonic nebulization with an infrared heated pre-evaporation tube for sample introduction in ICP-OES: application to geological and environmental samples. Journal of Analytical Atomic Spectrometry, 2012, 27, 1254.	3.0	22
64	Improvement of the capabilities of solid sampling ETV-ICP-OES by coupling ETV to a nebulisation/pre-evaporation system. Journal of Analytical Atomic Spectrometry, 2014, 29, 1371.	3.0	22
65	On-Line Isotope Dilution Analysis with ICPMS Using Reverse Flow Injection. Analytical Chemistry, 1997, 69, 3183-3187.	6.5	21
66	Simultaneous Speciation Analysis of Arsenic, Chromium, and Selenium in the Bioaccessible Fraction for Realistic Risk Assessment of Food Safety. Analytical Chemistry, 2017, 89, 13299-13304.	6.5	21
67	Forensic analysis of automotive paint chips for the identification of the vehicle manufacturer, colour and year of production using electrothermal vaporization coupled to inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2017, 32, 1601-1607.	3.0	21
68	The effect of pre-evaporation on ion distributions in inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 157-163.	2.9	19
69	Improvement of analytical performance in inductively coupled plasma optical emission spectrometry without compromising robustness using an infrared-heated sample introduction system with a pneumatic nebulizer. Journal of Analytical Atomic Spectrometry, 2015, 30, 214-224.	3.0	19
70	Improving accuracy in single particle inductively coupled plasma mass spectrometry based on conventional standard solution calibration. Microchemical Journal, 2018, 137, 485-489.	4.5	18
71	Effect of pre-evaporating the solvent on the analytical performance of inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1993, 48, 1481-1494.	2.9	17
72	Direct determination of trace elements in austenitic stainless steel samples by ETV-ICPOES. Journal of Analytical Atomic Spectrometry, 2016, 31, 2434-2440.	3.0	17

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73	Ethnic background and gender identification using electrothermal vaporization coupled to inductively coupled plasma optical emission spectrometry for forensic analysis of human hair. Journal of Analytical Atomic Spectrometry, 2014, 29, 1228-1232.	3.0	16
74	An argonâ€“nitrogenâ€“hydrogen mixed-gas plasma as a robust ionization source for inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 99, 87-93.	2.9	16
75	Solid sampling ETV-ICPOES coupled to a nebulization/pre-evaporation system for direct elemental analysis of glutinous rice by external calibration with standard solutions. Food Chemistry, 2017, 237, 1-6.	8.2	16
76	Univariate optimization of segmented-flow injection for inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1994, 9, 1341.	3.0	15
77	Evidence supporting the occurrence of Coulomb fission during conventional sample introduction in inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2009, 24, 469.	3.0	15
78	Development of a method for the direct determination of fluorine in solid samples using electrothermal vaporization coupled to inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 1097-1102.	3.0	15
79	Single particle inductively coupled plasma mass spectrometry with and without flow injection for the characterization of nickel nanoparticles. Analytica Chimica Acta, 2020, 1120, 67-74.	5.4	15
80	Determination of metal-organic associations in soil leachates by inductively coupled plasma-mass spectrometry. Chemical Geology, 1992, 95, 187-198.	3.3	14
81	Effect of concomitant analytes on As signal during pre-evaporation of the solvent prior to introduction into inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 965-970.	2.9	14
82	Investigation of a measure of robustness in inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 103-104, 57-62.	2.9	14
83	Enhancement of the Capabilities of Inductively Coupled Plasma Mass Spectrometry Using Monosegmented Flow Analysis. Analytical Chemistry, 2018, 90, 13842-13847.	6.5	14
84	Inductively Coupled Plasma Mass Spectrometry Methods. , 2017, , 236-245.		13
85	New infrared-heated sample introduction system for enhanced analytical performance of inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2018, 33, 738-744.	3.0	13
86	Determination of stability constants of metal complexes with IC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2009, 24, 336.	3.0	12
87	Effect of sheathing the sample aerosol with hydrogen, nitrogen or water vapour on the analytical performance of solid sampling electrothermal vaporisation coupled to inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2019, 34, 1426-1432.	3.0	12
88	Determination of total tin in National Research Council of Canada marine reference materials. Canadian Journal of Chemistry, 1987, 65, 961-964.	1.1	11
89	The ICP-MS approach to environmental studies. Mikrochimica Acta, 1989, 99, 273-281.	5.0	11
90	Partial leaching as an aid to slurry nebulization for the analysis of soils by ICP-MS with flow injection and mixed-gas plasmas. Canadian Journal of Chemistry, 1999, 77, 409-415.	1.1	11

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91	The use of solâ€“gels as solid calibration standards for the analysis of soil samples by laser ablation coupled to inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2014, 29, 715-720.	3.0	11
92	Solid sampling analysis of a Mg alloy using electrothermal vaporization inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2017, 32, 2041-2045.	3.0	11
93	Microwave-assisted continuous leaching on-line with inductively coupled plasma mass spectrometry for exploration and environmental geochemistry. Journal of Geochemical Exploration, 2007, 94, 30-42.	3.2	10
94	Inductively coupled plasma mass spectrometry with on-line leaching to assess the maximum bio-accessibility of toxic and essential elements in wheat from Saudi Arabia. Journal of Analytical Atomic Spectrometry, 2018, 33, 642-648.	3.0	10
95	Improvement of sample introduction to inductively coupled plasma optical emission spectrometry using an ultrasonic nebulizer with an infrared heated pre-evaporation tube. Journal of Analytical Atomic Spectrometry, 2018, 33, 127-134.	3.0	10
96	Characterization of platinum nanoparticles for fuel cell applications by single particle inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2020, 1139, 36-41.	5.4	10
97	Simultaneous determination of two conditional stability constants by IC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2006, 21, 1419.	3.0	9
98	Towards the use of ICP-OES for the elemental analysis of organic compounds such as glucosamine. Journal of Analytical Atomic Spectrometry, 2014, 29, 454.	3.0	9
99	Direct analysis of wheat flour by inductively coupled plasma mass spectrometry with flow injection, slurry nebulization, and a mixed-gas plasma. Journal of Analytical Atomic Spectrometry, 2020, 35, 2820-2825.	3.0	9
100	A total consumption (up to 75 Î¼L min^{â^'1}) infrared-heated sample introduction system for inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 1125-1130.	3.0	9
101	Towards the reduction of matrix effects in inductively coupled plasma optical emission spectrometry: an argonâ€“nitrogenâ€“hydrogen mixed-gas plasma for the analysis of geological and environmental samples. Journal of Analytical Atomic Spectrometry, 2017, 32, 1688-1696.	3.0	8
102	Improvements to the analytical performance of inductively coupled plasma optical emission spectrometry by coupling a multi-mode sample introduction system to an infrared heated pre-evaporation tube. Journal of Analytical Atomic Spectrometry, 2018, 33, 1068-1075.	3.0	8
103	Infrared heating of commercially available spray chambers to improve the analytical performance of inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2018, 33, 2008-2014.	3.0	8
104	Risk assessment of trace elements in airborne particulate matter deposited on air filters using solid sampling ETV-ICPOES to measure total concentrations and leaching with simulated saliva, gastric juice and lung fluid to estimate bio-accessibility. Journal of Analytical Atomic Spectrometry, 2018, 33, 1486-1492.	3.0	8
105	Improving the analytical performance of electrothermal vaporization coupled to inductively coupled plasma optical emission spectrometry using a mixed-gas plasma. Journal of Analytical Atomic Spectrometry, 2019, 34, 891-898.	3.0	8
106	Biosynthesis of the Fungal Organophosphonate Fosfonochlorin Involves an Iron(II) and 2â€(Oxo)glutarate Dependent Oxacyclase. ChemBioChem, 2022, 23, .	2.6	8
107	Use of a mixed argonâ€“hydrogenâ€“tetrafluoromethane carrier gas for the analysis of nickel materials by electrothermal vaporization coupled to inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 461-466.	3.0	7
108	A total consumption infrared heated sample introduction system for nanoparticle measurement using single particle inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2022, 37, 1450-1454.	3.0	7

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109	Kinetic study of the reduction of Cr(vi) in natural water using ion exchange chromatography coupled to inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 2006.	3.0	6
110	Preconcentration of noble metals on alumina prior to analysis by inductively coupled plasma mass spectrometry: Application to geological samples. Analytica Chimica Acta, 2020, 1136, 151-156.	5.4	6
111	Methods to increase sample transport efficiency in single particle inductively coupled plasma mass spectrometry when analyzing nanoparticles. Journal of Analytical Atomic Spectrometry, 2020, 35, 2165-2170.	3.0	6
112	Stabilization and Solvent Driven Crystal-to-Crystal Transition between New Bismuth Halides. Inorganic Chemistry, 2020, 59, 7049-7055.	4.0	6
113	An Isotopic Study of Bio-accessible Lead in Wheat, Miswak Toothbrush and Miswak Fruit Using the Continuous On-line Leaching Method with Inductively Coupled Plasma Mass Spectrometry. Atomic Spectroscopy, 2021, 42, .	1.2	6
114	Solid sampling ETV-ICP-OES to study the distribution of elements in clay and soil samples for mineral exploration. Geochemistry: Exploration, Environment, Analysis, 2013, 13, 11-20.	0.9	5
115	Infrared heating of the top surface of a cyclonic spray chamber to improve the analytical performance of inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2019, 34, 232-238.	3.0	5
116	Integrating Instead of Averaging Signal Intensity to Simplify Nanoparticle Mass Measurement by Single Particle Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2020, 92, 12778-12782.	6.5	5
117	How much aqueous sample can an inductively coupled plasma withstand?. Journal of Analytical Atomic Spectrometry, 2020, 35, 1300-1305.	3.0	5
118	The effect of hydrogen on fluorine detection in solid sampling electrothermal vaporization-inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2021, 36, 1104-1111.	3.0	5
119	Literature review and meta-analysis of gastric and intestinal bioaccessibility for nine inorganic elements in soils and soil-like media for use in human health risk assessment. International Journal of Hygiene and Environmental Health, 2022, 240, 113929.	4.3	5
120	Comparison of monosegmented flow analysis to flow injection for single particle inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2022, 37, 727-732.	3.0	5
121	Limits of Detection and Quantification of Electrochemical Quartz-Crystal Nanobalance in Platinum Electrochemistry and Electrocatalysis Research. Analytical Chemistry, 2016, 88, 10599-10604.	6.5	4
122	Developing a method for the determination of sulphur and other elements in avian bone and slag using ETV-ICPOES. Journal of Analytical Atomic Spectrometry, 2020, 35, 2487-2493.	3.0	4
123	Electrothermal vaporization. , 2020, , 411-467.		4
124	Direct multi-element analysis of natural toothbrush by electrothermal vaporization into inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2021, 36, 535-539.	3.0	4
125	Multi-elemental analysis of solder using ETV-ICPOES for applications in forensic science. Journal of Analytical Atomic Spectrometry, 2021, 36, 1600-1606.	3.0	4
126	Flow injection. , 2020, , 143-211.		4

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127	Chapter 2 Flow injection techniques. Comprehensive Analytical Chemistry, 2000, , 213-346.	1.3	3
128	Direct analysis of soils by ETV-ICP-AES: a powerful tool for mineral exploration. Geochemistry: Exploration, Environment, Analysis, 2014, 14, 305-313.	0.9	3
129	Forensic analysis of leadâ€“tin solder by inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2018, 33, 1784-1789.	3.0	3
130	Characterization of a 12ÂM KOH zincate fuel for green energy backup systems using flow injection coupled to inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2019, 34, 899-905.	3.0	3
131	Pragmatic method based on on-line leaching and inductively coupled plasma mass spectrometry for risk assessment of the impact of short-term pollution. Journal of Analytical Atomic Spectrometry, 2021, 36, 622-629.	3.0	3
132	A comparative study of sheathing devices to increase robustness in inductively coupled plasma optical emission spectrometryviaa nitrogen flow. Journal of Analytical Atomic Spectrometry, 2018, 33, 1269-1273.	3.0	2
133	Inductively coupled plasma mass spectrometry coupled to cation exchange chromatography for the determination of trace nickel in alkaline electrolyte. Journal of Analytical Atomic Spectrometry, 2020, 35, 1295-1299.	3.0	2
134	Flow injection of slurries of a lithium borate fusion disc for multi-elemental analysis by mixed-gas inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2021, 36, 2051-2055.	3.0	2
135	Multi-elemental risk assessment of various baby rice cereals: some cause for concern?. Canadian Journal of Chemistry, 2021, 99, 742-750.	1.1	2
136	Source apportionment of bioaccessible lead in soil reference materials using the continuous on-line leaching method and inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2022, 1189, 339214.	5.4	2
137	The inductively coupled plasma as a source for optical emission spectrometry and mass spectrometry. , 2020, , 1-55.		2
138	Liquid chromatography. , 2020, , 213-254.		1