VÃ-ctor CerdÃ

List of Publications by Year
in descending order

273 papers	7,391 citations	66315 42 h-index	123376 61 g-index
277 all docs	277 docs citations	277 times ranked	5408 citing authors

#	Article	IF	Citations
1	Solid-phase extraction of organic compounds: A critical review (Part I). TrAC - Trends in Analytical Chemistry, 2016, 80, 641-654.	5.8	345
2	Magnetic solid-phase extraction using metal-organic frameworks (MOFs) and their derived carbons. TrAC - Trends in Analytical Chemistry, 2017, 90, 142-152.	5.8	249
3	Flow analysis techniques for phosphorus: an overview. Talanta, 2005, 66, 307-331.	2.9	110
4	Automated On-Line Renewable Solid-Phase Extraction-Liquid Chromatography Exploiting Multisyringe Flow Injection-Bead Injection Lab-on-Valve Analysis. Analytical Chemistry, 2006, 78, 2832-2840.	3.2	98
5	Lab in a syringe: fully automated dispersive liquidâ€“liquid microextraction with integrated spectrophotometric detection. Analytical and Bioanalytical Chemistry, 2012, 404, 909-917.	1.9	90
6	Application of flowing stream techniques to water analysis. Talanta, 2004, 63, 201-223.	2.9	86
7	Wastewater quality monitoring. TrAC - Trends in Analytical Chemistry, 1997, 16, 419-424.	5.8	84
8	In-syringe-stirring: A novel approach for magnetic stirring-assisted dispersive liquidâ€“liquid microextraction. Analytica Chimica Acta, 2013, 788, 52-60.	2.6	77
9	Automated in-syringe dispersive liquid-liquid microextraction. TrAC - Trends in Analytical Chemistry, 2014, 59, 1-8.	5.8	75
10	Automatic In-Syringe Dispersive Microsolid Phase Extraction Using Magnetic Metalâ€“Organic Frameworks. Analytical Chemistry, 2015, 87, 7545-7549.	3.2	75
11	Critical approach to synchronous spectrofluorimetry. I. TrAC - Trends in Analytical Chemistry, 2010, 29, 885-901.	5.8	73
12	Completely automated in-syringe dispersive liquidâ€“liquid microextraction using solvents lighter than water. Analytical and Bioanalytical Chemistry, 2012, 402, 1383-1388.	1.9	70
13	Fully automated lab-on-valve-multisyringe flow injection analysis-ICP-MS system: an effective tool for fast, sensitive and selective determination of thorium and uranium at environmental levels exploiting solid phase extraction. Journal of Analytical Atomic Spectrometry, 2012, 27, 327.	1.6	69
14	Automatic determination of copper by in-syringe dispersive liquidâ€“liquid microextraction of its bathocuproine-complex using long path-length spectrophotometric detection. Talanta, 2012, 99, 349-356.	2.9	67
15	Improving the chemiluminescence-based determination of sulphide in complex environmental samples by using a new, automated multi-syringe flow injection analysis system coupled to a gas diffusion unit. Analytica Chimica Acta, 2007, 601, 87-94.	2.6	66
16	A robust multisyringe system for process flow analysis. Analyst, The, 1999, 124, 1373-1381.	1.7	65
17	Environmental Applications of Excitation-Emission Spectrofluorimetry: An In-Depth Review II. Applied Spectroscopy Reviews, 2013, 48, 77-141.	3.4	61
18	Metal-organic framework mixed-matrix disks: Versatile supports for automated solid-phase extraction prior to chromatographic separation. Journal of Chromatography A, 2017, 1488, 1-9.	1.8	61

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19	Pollution Pathways of Pharmaceutical Residues in the Aquatic Environment on the Island of Mallorca, Spain. Archives of Environmental Contamination and Toxicology, 2013, 65, 56-66.	2.1	59
20	Multisyringe flow system: determination of sulfur dioxide in wines. Analyst, The, 2000, 125, 1501-1505.	1.7	57
21	Application of flowing stream techniques to water analysis. Part I. Ionic species: dissolved inorganic carbon, nutrients and related compounds. Talanta, 2003, 60, 867-886.	2.9	57
22	A multisyringe flow injection method for the automated determination of sulfide in waters using a miniaturised optical fiber spectrophotometer. Talanta, 2004, 64, 1119-1126.	2.9	53
23	Applicability of multisyringe chromatography coupled to cold-vapor atomic fluorescence spectrometry for mercury speciation analysis. Analytica Chimica Acta, 2011, 708, 11-18.	2.6	53
24	Recent advances in flow-based automated solid-phase extraction. TrAC - Trends in Analytical Chemistry, 2018, 108, 370-380.	5.8	53
25	Interfacing on-line solid phase extraction with monolithic column multisyringe chromatography and chemiluminescence detection: An effective tool for fast, sensitive and selective determination of thiazide diuretics. Talanta, 2010, 80, 1333-1340.	2.9	52
26	On-line renewable solid-phase extraction hyphenated to liquid chromatography for the determination of UV filters using bead injection and multisyringe-lab-on-valve approach. Journal of Chromatography A, 2010, 1217, 3575-3582.	1.8	51
27	Strategies for automating solid-phase extraction and liquid-liquid extraction in radiochemical analysis. TrAC - Trends in Analytical Chemistry, 2016, 76, 145-152.	5.8	50
28	Fully-Automated Fluorimetric Determination of Aluminum in Seawater by In-Syringe Dispersive Liquidâ€“Liquid Microextraction Using Lumogallion. Analytical Chemistry, 2012, 84, 9462-9469.	3.2	49
29	Multi-pumping flow system for the determination, solid-phase extraction and speciation analysis of iron. Analytica Chimica Acta, 2005, 550, 33-39.	2.6	47
30	Potential of multisyringe flow-based multicommutated systems. Analytica Chimica Acta, 2007, 600, 35-45.	2.6	47
31	Online Coupling of Bead Injection Lab-On-Valve Analysis to Gas Chromatography: Application to the Determination of Trace Levels of Polychlorinated Biphenyls in Solid Waste Leachates. Analytical Chemistry, 2009, 81, 4822-4830.	3.2	47
32	Flow-through Dispersed Carbon Nanofiber-Based Microsolid-Phase Extraction Coupled to Liquid Chromatography for Automatic Determination of Trace Levels of Priority Environmental Pollutants. Analytical Chemistry, 2011, 83, 5237-5244.	3.2	47
33	3D printed device for the automated preconcentration and determination of chromium (VI). Talanta, 2018, 184, 15-22.	2.9	47
34	Sequential injection spectrophotometric analysis of nitrite in natural waters using an on-line solid-phase extraction and preconcentration method. Analyst, The, 2000, 125, 943-948.	1.7	46
35	Hyphenating Multisyringe Flow Injection Lab-on-Valve Analysis with Atomic Fluorescence Spectrometry for On-Line Bead Injection Preconcentration and Determination of Trace Levels of Hydride-Forming Elements in Environmental Samples. Analytical Chemistry, 2006, 78, 8290-8298.	3.2	45
36	Automation of radiochemical analysis by applying flow techniques to environmental samples. TrAC - Trends in Analytical Chemistry, 2010, 29, 1399-1408.	5.8	45

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37	Online Hyphenation of Multimodal Microsolid Phase Extraction Involving Renewable Molecularly Imprinted and Reversed-Phase Sorbents to Liquid Chromatography for Automatic Multiresidue Assays. Analytical Chemistry, 2010, 82, 3052-3060.	3.2	45
38	Determination of mercury in rice by MSFIA and cold vapour atomic fluorescence spectrometry. Food Chemistry, 2013, 137, 159-163.	4.2	45
39	On-line in-syringe magnetic stirring assisted dispersive liquidâ€“liquid microextraction HPLC â€“ UV method for UV filters determination using 1-hexyl-3-methylimidazolium hexafluorophosphate as extractant. Talanta, 2016, 148, 589-595.	2.9	44
40	Speciation analysis of inorganic arsenic by a multisyringe flow injection system with hydride generationâ€“atomic fluorescence spectrometric detection. Talanta, 2006, 69, 500-508.	2.9	43
41	Critical approach to synchronous spectrofluorimetry. II. TrAC - Trends in Analytical Chemistry, 2010, 29, 902-927.	5.8	43
42	Improved spectrophotometric determination of paraquat in drinking waters exploiting a Multisyringe liquid core waveguide system. Talanta, 2011, 85, 588-595.	2.9	43
43	Submicrometric Magnetic Nanoporous Carbons Derived from Metalâ€“Organic Frameworks Enabling Automated Electromagnet-Assisted Online Solid-Phase Extraction. Analytical Chemistry, 2016, 88, 6990-6995.	3.2	43
44	Reversed flow injection and sandwich sequential injection methods for the spectrophotometric determination of copper(II) with cuprizone. Analytica Chimica Acta, 2003, 486, 227-235.	2.6	42
45	Flow-through optical fiber sensor for automatic sulfide determination in waters by multisyringe flow injection analysis using solid-phase reflectometry. Analyst, The, 2005, 130, 644-651.	1.7	42
46	Analytical strategies for coupling separation and flow-injection techniques. TrAC - Trends in Analytical Chemistry, 2015, 67, 26-33.	5.8	41
47	Estrogens determination in wastewater samples by automatic in-syringe dispersive liquidâ€“liquid microextraction prior silylation and gas chromatography. Journal of Chromatography A, 2015, 1413, 1-8.	1.8	41
48	Fully-automated in-syringe dispersive liquid-liquid microextraction for the determination of caffeine in coffee beverages. Food Chemistry, 2016, 212, 759-767.	4.2	41
49	Flow-through solid-phase reflectometric method for simultaneous multiresidue determination of nitrophenol derivatives. Analytica Chimica Acta, 2007, 600, 155-163.	2.6	40
50	Use of thermal desorptionâ€“gas chromatographyâ€“mass spectrometry (TDâ€“GCâ€–MS) on identification of odorant emission focus by volatile organic compounds characterisation. Chemosphere, 2012, 89, 1426-1436.	4.2	40
51	Sequential Injection90Sr Determination in Environmental Samples Using a Wetting-Film Extraction Method. Analytical Chemistry, 2002, 74, 826-833.	3.2	39
52	Simultaneous determination of hydrochlorothiazide and losartan potassium in tablets by high-performance low-pressure chromatography using a multi-syringe burette coupled to a monolithic column. Analytical and Bioanalytical Chemistry, 2008, 391, 2349-2356.	1.9	39
53	Multi-syringe chromatography (MSC) system for the on-line solid-phase extraction and determination of hydrochlorothiazide and losartan potassium in superficial water, groundwater and wastewater outlet samples. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 212-217.	1.4	39
54	Exploiting automatic on-line renewable molecularly imprinted solid-phase extraction in lab-on-valve format as front end to liquid chromatography: application to the determination of riboflavin in foodstuffs. Analytical and Bioanalytical Chemistry, 2010, 397, 77-86.	1.9	39

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55	A miniature and field-applicable multipumping flow analyzer for ammonium monitoring in seawater with fluorescence detection. Talanta, 2011, 85, 380-385.	2.9	39
56	In-syringe magnetic-stirring-assisted liquidâ€“liquid microextraction for the spectrophotometric determination of Cr(VI) in waters. Analytical and Bioanalytical Chemistry, 2013, 405, 6761-6769.	1.9	39
57	3D printed device including disk-based solid-phase extraction for the automated speciation of iron using the multisyringe flow injection analysis technique. Talanta, 2017, 175, 463-469.	2.9	39
58	On-line lab-in-syringe cloud point extraction for the spectrophotometric determination of antimony. Talanta, 2016, 148, 694-699.	2.9	38
59	Incorporation of zeolitic imidazolate framework (ZIF-8)-derived nanoporous carbons in methacrylate polymeric monoliths for capillary electrochromatography. Talanta, 2017, 164, 348-354.	2.9	38
60	Automated dispersive liquid-liquid microextraction based on the solidification of the organic phase. Talanta, 2018, 189, 241-248.	2.9	38
61	Automatic in Vitro Determination of Hypochlorous Acid Scavenging Capacity Exploiting Multisyringe Flow Injection Analysis and Chemiluminescence. Analytical Chemistry, 2007, 79, 3933-3939.	3.2	37
62	Coupling of Sequential Injection Chromatography with Multivariate Curve Resolution-Alternating Least-Squares for Enhancement of Peak Capacity. Analytical Chemistry, 2007, 79, 7767-7774.	3.2	37
63	In-syringe magnetic stirring-assisted dispersive liquidâ€“liquid microextraction and silylation prior gas chromatographyâ€“mass spectrometry for ultraviolet filters determination in environmental water samples. Journal of Chromatography A, 2016, 1443, 26-34.	1.8	37
64	Development of an Automatic Method for Americium and Plutonium Separation and Preconcentration Using an Multisyringe Flow Injection Analysis-Multipumping Flow System. Analytical Chemistry, 2008, 80, 195-202.	3.2	36
65	Solid phase extraction â€“ Multisyringe flow injection system for the spectrophotometric determination of selenium with 2,3-diaminonaphthalene. Talanta, 2010, 81, 572-577.	2.9	36
66	A membraneless gas-diffusion unit â€“ multisyringe flow injection spectrophotometric method for ammonium determination in untreated environmental samples. Talanta, 2011, 84, 1244-1252.	2.9	36
67	Multisyringe ion chromatography with chemiluminescence detection for the determination of oxalate in beer and urine samples. Mikrochimica Acta, 2011, 173, 33-41.	2.5	36
68	Development of a MSFIA system for sequential determination of antimony, arsenic and selenium using hydride generation atomic fluorescence spectrometry. Talanta, 2016, 156-157, 29-33.	2.9	36
69	Enhanced automatic flow-injection determination of the total polyphenol index in wines using Folin-Ciocalteu reagent. Analytica Chimica Acta, 1992, 269, 21-28.	2.6	35
70	Multi-syringe flow injection solid-phase extraction system for on-line simultaneous spectrophotometric determination of nitro-substituted phenol isomers. Analytica Chimica Acta, 2007, 582, 41-49.	2.6	35
71	Lab on valve-multisyringe flow injection system (LOV-MSFIA) for fully automated uranium determination in environmental samples. Talanta, 2011, 84, 1221-1227.	2.9	35
72	Nanoparticle-Directed Metalâ€“Organic Framework/Porous Organic Polymer Monolithic Supports for Flow-Based Applications. ACS Applied Materials & Interfaces, 2017, 9, 1728-1736.	4.0	35

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73	Application of flowing-stream techniques to water analysis. Talanta, 2004, 62, 1-15.	2.9	34
74	Standardization of UVâ€“visible data in a food adulteration classification problem. Food Chemistry, 2012, 134, 2326-2331.	4.2	34
75	Zeolitic imidazolate framework dispersions for the fast and highly efficient extraction of organic micropollutants. RSC Advances, 2015, 5, 28203-28210.	1.7	34
76	Speciation analysis of antimony in environmental samples employing atomic fluorescence spectrometry â€“ Review. TrAC - Trends in Analytical Chemistry, 2019, 110, 335-343.	5.8	34
77	Potentials of multisyringe flow injection analysis for chemiluminescence detection. Analytica Chimica Acta, 2005, 541, 55-66.	2.6	33
78	Smart thorium and uranium determination exploiting renewable solid-phase extraction applied to environmental samples in a wide concentration range. Analytical and Bioanalytical Chemistry, 2011, 400, 3585-3594.	1.9	33
79	Hydrophobic magnetic montmorillonite composite material for the efficient adsorption and microextraction of bisphenol A from water samples. Journal of Environmental Chemical Engineering, 2016, 4, 4062-4071.	3.3	33
80	Emerging materials for sample preparation. Journal of Separation Science, 2018, 41, 262-287.	1.3	33
81	Immobilization of Metalâ€“Organic Frameworks on Supports for Sample Preparation and Chromatographic Separation. Chromatographia, 2019, 82, 361-375.	0.7	33
82	The use of anion-exchange disks in an optrode coupled to a multi-syringe flow-injection system for the determination and speciation analysis of iron in natural water samples. Talanta, 2005, 66, 210-217.	2.9	32
83	Flow analysis techniques as effective tools for the improved environmental analysis of organic compounds expressed as total indices. Talanta, 2010, 81, 1-8.	2.9	32
84	Determination of priority phenolic pollutants exploiting an in-syringe dispersive liquidâ€“liquid microextractionâ€“multisyringe chromatography system. Analytical and Bioanalytical Chemistry, 2015, 407, 2013-2022.	1.9	32
85	Bioactive compounds of sweet and sour cherry stems obtained by subcritical water extraction. Journal of Chemical Technology and Biotechnology, 2018, 93, 1627-1635.	1.6	32
86	Recent, advanced sample pretreatments and analytical methods for flavonoids determination in different samples. TrAC - Trends in Analytical Chemistry, 2021, 138, 116220.	5.8	32
87	Preconcentration by flow reversal in conductometric sequential injection analysis of ammonium. Electroanalysis, 1996, 8, 387-390.	1.5	31
88	Multisyringe flow injection system for solid-phase extraction coupled to liquid chromatography using monolithic column for screening of phenolic pollutants. Talanta, 2009, 77, 1466-1472.	2.9	31
89	An evaluation of the bioaccessibility of arsenic in corn and rice samples based on cloud point extraction and hydride generation coupled to atomic fluorescence spectrometry. Food Chemistry, 2016, 204, 475-482.	4.2	31
90	Multicommutated flow techniques for developing analytical methods. TrAC - Trends in Analytical Chemistry, 2006, 25, 236-242.	5.8	30

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91	In-syringe magnetic stirring assisted dispersive liquidâ€“liquid micro-extraction with solvent washing for fully automated determination of cationic surfactants. Analytical Methods, 2014, 6, 9601-9609.	1.3	30
92	In-syringe dispersive Î¼-SPE of estrogens using magnetic carbon microparticles obtained from zeolitic imidazolate frameworks. Analytical and Bioanalytical Chemistry, 2017, 409, 225-234.	1.9	30
93	Development of flow systems incorporating membraneless vaporization units and flow-through contactless conductivity detector for determination of dissolved ammonium and sulfide in canal water. Talanta, 2018, 177, 34-40.	2.9	30
94	Multi-pumping flow system for the determination of dissolved orthophosphate and dissolved organic phosphorus in wastewater samples. Analytica Chimica Acta, 2006, 572, 148-154.	2.6	29
95	Simultaneous determination of Î²-lactamic antibiotics by a new high-performance low-pressure chromatographic system using a multisyringe burette coupled to a monolithic column (MSC). Analytical and Bioanalytical Chemistry, 2007, 387, 663-671.	1.9	29
96	Modulation of mobile phase composition in flow-injection/sequential-injection chromatography exploiting multisyringe flow analysis. Analytical and Bioanalytical Chemistry, 2008, 391, 817-825.	1.9	29
97	Multisyringe flow injection analysis coupled to capillary electrophoresis (MSFIAâ€“CE) as a novel analytical tool applied to the pre-concentration, separation and determination of nitrophenols. Talanta, 2008, 76, 72-79.	2.9	29
98	Exploiting the use of 3,4-HPO ligands as nontoxic reagents for the determination of iron in natural waters with a sequential injection approach. Talanta, 2013, 108, 38-45.	2.9	29
99	Volatile organic compounds in landfill odorant emissions on the island of Mallorca. International Journal of Environmental Analytical Chemistry, 2013, 93, 434-449.	1.8	29
100	In-syringe magnetic stirring-assisted dispersive liquidâ€“liquid microextraction for automation and downscaling of methylene blue active substances assay. Talanta, 2014, 130, 555-560.	2.9	29
101	Use of tetramethylbenzidine for the spectrophotometric sequential injection determination of free chlorine in waters. Talanta, 2007, 72, 1186-1191.	2.9	28
102	Miniaturized optical chemosensor for flow-based assays. Analytical and Bioanalytical Chemistry, 2011, 399, 1381-1387.	1.9	28
103	A miniaturized analyzer for the catalytic determination of iodide in seawater and pharmaceutical samples. Talanta, 2013, 108, 92-102.	2.9	28
104	Nanoparticle-templated hierarchically porous polymer/zeolitic imidazolate framework as a solid-phase microextraction coatings. Journal of Chromatography A, 2018, 1567, 55-63.	1.8	28
105	3D printed resin-coated device for uranium (VI) extraction. Talanta, 2019, 196, 510-514.	2.9	28
106	Multi-pumping flow system for the determination of nitrite and nitrate in water samples. Mikrochimica Acta, 2008, 161, 73-79.	2.5	27
107	Automated determination of uranium(VI) at ultra trace levels exploiting flow techniques and spectrophotometric detection using a liquid waveguide capillary cell. Analytical and Bioanalytical Chemistry, 2010, 397, 871-878.	1.9	27
108	A highly reproducible solenoid micropump system for the analysis of total inorganic carbon and ammonium using gas-diffusion with conductimetric detection. Talanta, 2014, 118, 186-194.	2.9	27

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109	Towards the development of a miniaturized fiberless optofluidic biosensor for glucose. Talanta, 2012, 96, 113-120.	2.9	26
110	Automated total and radioactive strontium separation and preconcentration in samples of environmental interest exploiting a lab-on-valve system. Talanta, 2012, 96, 96-101.	2.9	26
111	Inâ€syringeâ€assisted dispersive liquidâ€“liquid microextraction coupled to gas chromatography with mass spectrometry for the determination of six phthalates in water samples. Journal of Separation Science, 2014, 37, 974-981.	1.3	26
112	A portable multi-syringe flow system for spectrofluorimetric determination of iodide in seawater. Talanta, 2015, 144, 1155-1162.	2.9	26
113	A novel flow-through disk-based solid-phase extraction diffuse reflectance optrode. Application to preconcentration and determination of trace levels of nitrite. Analyst, The, 2001, 126, 1740-1746.	1.7	25
114	An intelligent flow analyser for the in-line concentration, speciation and monitoring of metals at trace levels. Talanta, 2004, 62, 887-895.	2.9	25
115	Optical fibre reflectance sensor for the determination and speciation analysis of iron in fresh and seawater samples coupled to a multisyringe flow injection system. Analytica Chimica Acta, 2005, 528, 197-203.	2.6	25
116	Determination of mercury by multisyringe flow injection system with cold-vapor atomic absorption spectrometry. Analytica Chimica Acta, 2006, 573-574, 399-405.	2.6	25
117	Iron speciation by microsequential injection solid phase spectrometry using 3-hydroxy-1(H)-2-methyl-4-pyridinone as chromogenic reagent. Talanta, 2015, 133, 15-20.	2.9	25
118	Determination of herbicides in environmental water samples by simultaneous inâ€syringe magnetic stirringâ€assisted dispersive liquidâ€“liquid microextraction and silylation followed by GCâ€“MS. Journal of Separation Science, 2018, 41, 1096-1103.	1.3	25
119	Simultaneous determination of chloride and fluoride ions in waters by sequential injection analysis. Electroanalysis, 1996, 8, 1051-1054.	1.5	24
120	The potential of downscaled dynamic column extraction for fast and reliable assessment of natural weathering effects of municipal solid waste incineration bottom ashes. Analytica Chimica Acta, 2008, 619, 192-201.	2.6	24
121	Determination of ppb-level phenol index using in-syringe dispersive liquid-liquid microextraction and liquid waveguide capillary cell spectrophotometry. Mikrochimica Acta, 2012, 179, 91-98.	2.5	24
122	In-syringe extraction using dissolvable layered double hydroxide-polymer sponges templated from hierarchically porous coordination polymers. Journal of Chromatography A, 2016, 1453, 1-9.	1.8	24
123	Automated solid-phase extraction of organic pollutants using melamineâ€“formaldehyde polymer-derived carbon foams. RSC Advances, 2016, 6, 48558-48565.	1.7	24
124	Metal Oxide Assisted Preparation of Coreâ€“Shell Beads with Dense Metalâ€“Organic Framework Coatings for the Enhanced Extraction of Organic Pollutants. Chemistry - A European Journal, 2016, 22, 11770-11777.	1.7	24
125	Determination of iron by flow injection based on the catalytic effect of the iron(III)â€“ethylenediaminetetraacetic acid complex on the oxidation of hydroxylamine by dissolved oxygen. Analyst, The, 1991, 116, 913-917.	1.7	23
126	Automated Enzymatic Assays in a Renewable Fashion Using the Multisyringe Flow Injection Scheme with Soluble Enzymes. Analytical Chemistry, 2004, 76, 773-780.	3.2	23

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127	Highly integrated flow assembly for automated dynamic extraction and determination of readily bioaccessible chromium(VI) in soils exploiting carbon nanoparticle-based solid-phase extraction. Analytical and Bioanalytical Chemistry, 2011, 400, 2217-2227.	1.9	23
128	Automated multisyringe stir bar sorptive extraction using robust montmorillonite/epoxy-coated stir bars. Journal of Chromatography A, 2016, 1445, 10-18.	1.8	23
129	Use of multiresponse statistical techniques to optimize the separation of diosmin, hesperidin, diosmetin and hesperitin in different pharmaceutical preparations by high performance liquid chromatography with UV-DAD. Talanta, 2017, 167, 695-702.	2.9	23
130	On line automated system for the determination of Sb(V), Sb(III), thrimethyl antimony(v) and total antimony in soil employing multisyringe flow injection analysis coupled to HG-AFS. Talanta, 2017, 165, 502-507.	2.9	23
131	Flow-through magnetic-stirring assisted system for uranium(VI) extraction: First 3D printed device application. Talanta, 2019, 202, 267-273.	2.9	23
132	Multicomponent Analysis of Highly Overlapped HPLC Peaks Using Multiwavelength Diode Array Detection. Journal of Chromatographic Science, 1992, 30, 453-458.	0.7	22
133	Spectrophotometric determination of chloride in waters using a multisyringe flow injection system. Talanta, 2008, 74, 1534-1538.	2.9	22
134	Uranium monitoring tool for rapid analysis of environmental samples based on automated liquid-liquid microextraction. Talanta, 2015, 134, 674-680.	2.9	22
135	Automation of 99Tc extraction by LOV prior ICP-MS detection: Application to environmental samples. Talanta, 2015, 133, 88-93.	2.9	22
136	A smart multisyringe flow injection system for analysis of sample batches with high variability in sulfide concentration. Analytica Chimica Acta, 2006, 573-574, 391-398.	2.6	21
137	The application of multicommutated flow techniques to the determination of iron. TrAC - Trends in Analytical Chemistry, 2006, 25, 583-588.	5.8	21
138	Rapid chemiluminometric determination of gabapentin in pharmaceutical formulations exploiting pulsedâ€flow analysis. Luminescence, 2009, 24, 10-14.	1.5	21
139	Dynamic fractionation of trace metals in soil and sediment samples using rotating coiled column extraction and sequential injection microcolumn extraction: A comparative study. Talanta, 2009, 79, 1081-1088.	2.9	21
140	Cadmium determination in natural water samples with an automatic multisyringe flow injection system coupled to a flow-through screen printed electrode. Talanta, 2012, 96, 140-146.	2.9	21
141	Automatic in-syringe dispersive liquidâ€“liquid microextraction of 99Tc from biological samples and hospital residues prior to liquid scintillation counting. Analytical and Bioanalytical Chemistry, 2015, 407, 5571-5578.	1.9	21
142	Development of a MSFIA sample treatment system as front end of GCâ€“MS for atenolol and propranolol determination in human plasma. Talanta, 2015, 132, 15-22.	2.9	21
143	Spectrophotometric system based on a device created by 3D printing for the accommodation of a webcam chamber as a detection system. Talanta, 2020, 206, 120250.	2.9	21
144	Analytical methodologies for reliable sulfide determinations in aqueous matrices exploiting flow-based approaches. TrAC - Trends in Analytical Chemistry, 2007, 26, 413-422.	5.8	20

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145	Critical evaluation of novel dynamic flow-through methods for automatic sequential BCR extraction of trace metals in fly ash. Analytical and Bioanalytical Chemistry, 2009, 394, 337-349.	1.9	20
146	Analysis of cocaine and benzoylecgonine in urine by using multisyringe flow injection analysisâ€gas chromatographyâ€mass spectrometry system. Journal of Separation Science, 2010, 33, 1779-1786.	1.3	20
147	Integrated lab-on-a-valve platform incorporating a sorbent microcolumn and membraneless gas-liquid separation for cold vapor generation-atomic fluorescence spectrometric assays. Journal of Analytical Atomic Spectrometry, 2010, 25, 1717.	1.6	20
148	A non-chromatographic automated system for antimony speciation in natural water exploiting multisyringe flow injection analysis coupled with online hydride generation â€“ atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2015, 30, 1133-1141.	1.6	20
149	Optimization using the gradient and simplex methods. Talanta, 2016, 148, 641-648.	2.9	20
150	Development of an automatic sequential injection analysis-lab on valve system exploiting molecularly imprinted polymers coupled with high performance liquid chromatography for the determination of estrogens in wastewater samples. Talanta, 2020, 209, 120564.	2.9	20
151	Application of multi-component analysis to the simultaneous resolution of phenol compounds in mixtures. Analytica Chimica Acta, 1992, 267, 95-102.	2.6	19
152	New approach to sequential injection analysis: using the sample as carrier. Analyst, The, 1998, 123, 1541-1546.	1.7	19
153	Development of a capillary electrophoresis system coupled to sequential injection analysis and evaluation by the analysis of nitrophenols. International Journal of Environmental Analytical Chemistry, 2007, 87, 797-811.	1.8	19
154	Multisyringe flow injection analysis hyphenated with liquid core waveguides for the development of cleaner spectroscopic analytical methods: improved determination of chloride in waters. Analytical and Bioanalytical Chemistry, 2009, 394, 1577-1583.	1.9	19
155	Fluidized-bed column method for automatic dynamic extraction and determination of trace element bioaccessibility in highly heterogeneous solid wastes. Analytica Chimica Acta, 2010, 658, 41-48.	2.6	19
156	Automatic and Simple Method for ⁹⁹Tc Determination Using a Selective Resin and Liquid Scintillation Detection Applied to Urine Samples. Analytical Chemistry, 2013, 85, 5491-5498.	3.2	19
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