

VÃ-ctor CerdÃ

List of Publications by Year in descending order

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93
papers

3,758
citations

94381

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docs citations

94
times ranked

2975
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Flow-based determination of lead exploiting in-syringe dispersive liquid-liquid micro-extraction in xylene and integrated spectrophotometric detection. <i>Talanta</i> , 2022, 247, 123528. | 2.9 | 6 |
| 2 | Automated method for volatile fatty acids determination in anaerobic processes using in-syringe magnetic stirring assisted dispersive liquid-liquid microextraction and gas chromatography with flame ionization detector. <i>Journal of Chromatography A</i> , 2021, 1643, 462034. | 1.8 | 7 |
| 3 | Determination of long-chain fatty acids in anaerobic digester supernatant and olive mill wastewater exploiting an in-syringe dispersive liquid-liquid microextraction and derivatization-free GC-MS method. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3833-3845. | 1.9 | 9 |
| 4 | Continuous-Flow Extraction. , 2020, , 745-781. | | 1 |
| 5 | Fully automatic system for lead monitoring in water. <i>Microchemical Journal</i> , 2020, 154, 104550. | 2.3 | 4 |
| 6 | Design of an automatic spectrophotometric system. <i>Talanta</i> , 2020, 218, 121163. | 2.9 | 5 |
| 7 | Automation of radiochemical analysis by flow techniques – A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 352-367. | 5.8 | 15 |
| 8 | Immobilization of Metal–Organic Frameworks on Supports for Sample Preparation and Chromatographic Separation. <i>Chromatographia</i> , 2019, 82, 361-375. | 0.7 | 33 |
| 9 | 3D printed device for the automated preconcentration and determination of chromium (VI). <i>Talanta</i> , 2018, 184, 15-22. | 2.9 | 47 |
| 10 | Hyphenation of flow analysis with spectrometric techniques. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 854-876. | 3.4 | 3 |
| 11 | Automated solid–phase extraction of phenolic acids using layered double hydroxide–alumina–polymer disks. <i>Journal of Separation Science</i> , 2018, 41, 2012-2019. | 1.3 | 17 |
| 12 | Emerging materials for sample preparation. <i>Journal of Separation Science</i> , 2018, 41, 262-287. | 1.3 | 33 |
| 13 | Determination of herbicides in environmental water samples by simultaneous in–syringe magnetic stirring–assisted dispersive liquid–liquid microextraction and silylation followed by GC–MS. <i>Journal of Separation Science</i> , 2018, 41, 1096-1103. | 1.3 | 25 |
| 14 | Multisyringe flow injection analysis in spectroanalytical techniques – A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 98, 1-18. | 5.8 | 19 |
| 15 | Recent advances in flow-based automated solid-phase extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 370-380. | 5.8 | 53 |
| 16 | Nanoparticle-templated hierarchically porous polymer/zeolitic imidazolate framework as a solid-phase microextraction coatings. <i>Journal of Chromatography A</i> , 2018, 1567, 55-63. | 1.8 | 28 |
| 17 | Automated dispersive liquid-liquid microextraction based on the solidification of the organic phase. <i>Talanta</i> , 2018, 189, 241-248. | 2.9 | 38 |
| 18 | In-syringe dispersive 1/4-SPE of estrogens using magnetic carbon microparticles obtained from zeolitic imidazolate frameworks. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 225-234. | 1.9 | 30 |

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|----|--|-----|-----------|
| 19 | Magnetic solid-phase extraction using metal-organic frameworks (MOFs) and their derived carbons. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 90, 142-152. | 5.8 | 249 |
| 20 | Automated multisyringe stir bar sorptive extraction using robust montmorillonite/epoxy-coated stir bars. <i>Journal of Chromatography A</i> , 2016, 1445, 10-18. | 1.8 | 23 |
| 21 | Automatic flow kinetic-catalytic methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 33-45. | 5.8 | 8 |
| 22 | Fully-automated in-syringe dispersive liquid-liquid microextraction for the determination of caffeine in coffee beverages. <i>Food Chemistry</i> , 2016, 212, 759-767. | 4.2 | 41 |
| 23 | Submicrometric Magnetic Nanoporous Carbons Derived from Metal-Organic Frameworks Enabling Automated Electromagnet-Assisted Online Solid-Phase Extraction. <i>Analytical Chemistry</i> , 2016, 88, 6990-6995. | 3.2 | 43 |
| 24 | Solid-phase extraction of organic compounds: A critical review (Part I). <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 641-654. | 5.8 | 345 |
| 25 | Strategies for automating solid-phase extraction and liquid-liquid extraction in radiochemical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 76, 145-152. | 5.8 | 50 |
| 26 | On-line in-syringe magnetic stirring assisted dispersive liquid-liquid microextraction HPLC-UV method for UV filters determination using 1-hexyl-3-methylimidazolium hexafluorophosphate as extractant. <i>Talanta</i> , 2016, 148, 589-595. | 2.9 | 44 |
| 27 | In-syringe magnetic stirring-assisted dispersive liquid-liquid microextraction and silylation prior gas chromatography-mass spectrometry for ultraviolet filters determination in environmental water samples. <i>Journal of Chromatography A</i> , 2016, 1443, 26-34. | 1.8 | 37 |
| 28 | Solid-phase extraction of organic compounds: A critical review. part ii. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 655-667. | 5.8 | 231 |
| 29 | On-line lab-in-syringe cloud point extraction for the spectrophotometric determination of antimony. <i>Talanta</i> , 2016, 148, 694-699. | 2.9 | 38 |
| 30 | Analytical strategies for coupling separation and flow-injection techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 67, 26-33. | 5.8 | 41 |
| 31 | Determination of priority phenolic pollutants exploiting an in-syringe dispersive liquid-liquid microextraction-multisyringe chromatography system. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2013-2022. | 1.9 | 32 |
| 32 | Automatic in-syringe dispersive liquid-liquid microextraction of ⁹⁹ Tc from biological samples and hospital residues prior to liquid scintillation counting. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5571-5578. | 1.9 | 21 |
| 33 | Automatic In-Syringe Dispersive Microsolid Phase Extraction Using Magnetic Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2015, 87, 7545-7549. | 3.2 | 75 |
| 34 | Spectrophotometric determination of bromide in water using the multisyringe flow injection analysis technique coupled to a gas-diffusion unit. <i>Analytical Methods</i> , 2015, 7, 4202-4208. | 1.3 | 14 |
| 35 | Zeolitic imidazolate framework dispersions for the fast and highly efficient extraction of organic micropollutants. <i>RSC Advances</i> , 2015, 5, 28203-28210. | 1.7 | 34 |
| 36 | Estrogens determination in wastewater samples by automatic in-syringe dispersive liquid-liquid microextraction prior silylation and gas chromatography. <i>Journal of Chromatography A</i> , 2015, 1413, 1-8. | 1.8 | 41 |

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|----|--|-----|-----------|
| 37 | Uranium monitoring tool for rapid analysis of environmental samples based on automated liquid-liquid microextraction. <i>Talanta</i> , 2015, 134, 674-680. | 2.9 | 22 |
| 38 | Online Analytical Determination Modes. , 2014, , 43-64. | | 0 |
| 39 | Automating Radiochemical Analysis. , 2014, , 247-264. | | 0 |
| 40 | Online Separation and Preconcentration Methods. , 2014, , 65-102. | | 1 |
| 41 | Online coupling lab on valve-dispersive liquid-liquid microextraction-multisyringe flow injection with gas chromatography-mass spectrometry for the determination of sixteen priority PAHs in water. <i>Analytical Methods</i> , 2014, 6, 3335-3344. | 1.3 | 16 |
| 42 | Automated in-syringe dispersive liquid-liquid microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 59, 1-8. | 5.8 | 75 |
| 43 | In-syringe-assisted dispersive liquid-liquid microextraction coupled to gas chromatography with mass spectrometry for the determination of six phthalates in water samples. <i>Journal of Separation Science</i> , 2014, 37, 974-981. | 1.3 | 26 |
| 44 | In-syringe magnetic stirring assisted dispersive liquid-liquid micro-extraction with solvent washing for fully automated determination of cationic surfactants. <i>Analytical Methods</i> , 2014, 6, 9601-9609. | 1.3 | 30 |
| 45 | Automatic integrated system for catalytic spectrophotometric determination of vanadium in water samples. <i>Analytical Methods</i> , 2014, 6, 9142-9151. | 1.3 | 7 |
| 46 | In-syringe magnetic stirring-assisted dispersive liquid-liquid microextraction for automation and downscaling of methylene blue active substances assay. <i>Talanta</i> , 2014, 130, 555-560. | 2.9 | 29 |
| 47 | Evolution and Description of the Principal Flow Techniques. , 2014, , 1-42. | | 7 |
| 48 | In-syringe magnetic-stirring-assisted liquid-liquid microextraction for the spectrophotometric determination of Cr(VI) in waters. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6761-6769. | 1.9 | 39 |
| 49 | In-syringe-stirring: A novel approach for magnetic stirring-assisted dispersive liquid-liquid microextraction. <i>Analytica Chimica Acta</i> , 2013, 788, 52-60. | 2.6 | 77 |
| 50 | A miniaturized analyzer for the catalytic determination of iodide in seawater and pharmaceutical samples. <i>Talanta</i> , 2013, 108, 92-102. | 2.9 | 28 |
| 51 | Chip-On-Valve Concept: An Integrated Platform for Multisyringe Flow Injection Analysis: Application to Nitrite and Nitrate Determination in Seawater. <i>Analytical Letters</i> , 2013, 46, 2345-2358. | 1.0 | 10 |
| 52 | Environmental Applications of Excitation-Emission Spectrofluorimetry: An In-Depth Review I. <i>Applied Spectroscopy Reviews</i> , 2013, 48, 1-49. | 3.4 | 73 |
| 53 | Conductometric determination of ammonium by a multisyringe flow injection system applying gas diffusion. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 1236-1252. | 1.8 | 18 |
| 54 | Laboratory automation based on flow techniques. <i>Pure and Applied Chemistry</i> , 2012, 84, 1983-1998. | 0.9 | 13 |

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|----|---|-----|-----------|
| 55 | Determination of ppb-level phenol index using in-syringe dispersive liquid-liquid microextraction and liquid waveguide capillary cell spectrophotometry. <i>Mikrochimica Acta</i> , 2012, 179, 91-98. | 2.5 | 24 |
| 56 | Fully-Automated Fluorimetric Determination of Aluminum in Seawater by In-Syringe Dispersive Liquid-Liquid Microextraction Using Lumogallion. <i>Analytical Chemistry</i> , 2012, 84, 9462-9469. | 3.2 | 49 |
| 57 | Automatic determination of copper by in-syringe dispersive liquid-liquid microextraction of its bathocuproine-complex using long path-length spectrophotometric detection. <i>Talanta</i> , 2012, 99, 349-356. | 2.9 | 67 |
| 58 | Lab in a syringe: fully automated dispersive liquid-liquid microextraction with integrated spectrophotometric detection. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 909-917. | 1.9 | 90 |
| 59 | Completely automated in-syringe dispersive liquid-liquid microextraction using solvents lighter than water. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1383-1388. | 1.9 | 70 |
| 60 | Spectrofluorimetric method for monitoring fluorene in rivers. <i>Analytical Methods</i> , 2011, 3, 1323. | 1.3 | 1 |
| 61 | Multisyringe Flow Injection Potentialities for Hyphenation with Different Types of Separation Techniques. <i>Analytical Letters</i> , 2011, 44, 360-373. | 1.0 | 12 |
| 62 | Possibilities and limitations of the sequential injection chromatography technique for the determination of anticoccidial agents in water, pharmaceutical formulations and feed. <i>Microchemical Journal</i> , 2011, 98, 190-199. | 2.3 | 12 |
| 63 | 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. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 77-86. | 1.9 | 39 |
| 64 | Sequential injection analysis for automation of the Winkler methodology, with real-time SIMPLEX optimization and shipboard application. <i>Analytica Chimica Acta</i> , 2010, 658, 147-155. | 2.6 | 12 |
| 65 | 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. <i>Journal of Chromatography A</i> , 2010, 1217, 3575-3582. | 1.8 | 51 |
| 66 | Critical approach to synchronous spectrofluorimetry. II. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 902-927. | 5.8 | 43 |
| 67 | Online Hyphenation of Multimodal Microsolid Phase Extraction Involving Renewable Molecularly Imprinted and Reversed-Phase Sorbents to Liquid Chromatography for Automatic Multiresidue Assays. <i>Analytical Chemistry</i> , 2010, 82, 3052-3060. | 3.2 | 45 |
| 68 | Integrated lab-on-a-valve platform incorporating a sorbent microcolumn and membraneless gas-liquid separation for cold vapor generation-atomic fluorescence spectrometric assays. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1717. | 1.6 | 20 |
| 69 | 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. <i>Talanta</i> , 2010, 80, 1333-1340. | 2.9 | 52 |
| 70 | Flow analysis techniques as effective tools for the improved environmental analysis of organic compounds expressed as total indices. <i>Talanta</i> , 2010, 81, 1-8. | 2.9 | 32 |
| 71 | 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. <i>Analytical Chemistry</i> , 2009, 81, 4822-4830. | 3.2 | 47 |
| 72 | 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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 212-217. | 1.4 | 39 |

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|----|--|-----|-----------|
| 73 | 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. <i>Analytical Chemistry</i> , 2006, 78, 8290-8298. | 3.2 | 45 |
| 74 | Automated On-Line Renewable Solid-Phase Extraction-Liquid Chromatography Exploiting Multisyringe Flow Injection-Bead Injection Lab-on-Valve Analysis. <i>Analytical Chemistry</i> , 2006, 78, 2832-2840. | 3.2 | 98 |
| 75 | At-line determination of formaldehyde in bioprocesses by sequential injection analysis. <i>Analytica Chimica Acta</i> , 2006, 559, 248-256. | 2.6 | 12 |
| 76 | Multi-pumping flow system for the determination of dissolved orthophosphate and dissolved organic phosphorus in wastewater samples. <i>Analytica Chimica Acta</i> , 2006, 572, 148-154. | 2.6 | 29 |
| 77 | Automatic pre-concentration and treatment for the analysis of environmental samples using non-chromatographic flow techniques. <i>International Journal of Environmental Analytical Chemistry</i> , 2005, 85, 231-253. | 1.8 | 14 |
| 78 | Flow-through optical fiber sensor for automatic sulfide determination in waters by multisyringe flow injection analysis using solid-phase reflectometry. <i>Analyst, The</i> , 2005, 130, 644-651. | 1.7 | 42 |
| 79 | Flow analysis techniques for phosphorus: an overview. <i>Talanta</i> , 2005, 66, 307-331. | 2.9 | 110 |
| 80 | Interfacing in-line gas-diffusion separation with optrode sorptive preconcentration exploiting multisyringe flow injection analysis. <i>Talanta</i> , 2005, 68, 343-350. | 2.9 | 17 |
| 81 | Automated Enzymatic Assays in a Renewable Fashion Using the Multisyringe Flow Injection Scheme with Soluble Enzymes. <i>Analytical Chemistry</i> , 2004, 76, 773-780. | 3.2 | 23 |
| 82 | Application of flowing stream techniques to water analysis. <i>Talanta</i> , 2004, 63, 201-223. | 2.9 | 86 |
| 83 | Application of flowing-stream techniques to water analysis. <i>Talanta</i> , 2004, 62, 1-15. | 2.9 | 34 |
| 84 | Application of flowing stream techniques to water analysis. Part I. Ionic species: dissolved inorganic carbon, nutrients and related compounds. <i>Talanta</i> , 2003, 60, 867-886. | 2.9 | 57 |
| 85 | Sequential Injection ⁹⁰ Sr Determination in Environmental Samples Using a Wetting-Film Extraction Method. <i>Analytical Chemistry</i> , 2002, 74, 826-833. | 3.2 | 39 |
| 86 | A robust multi-syringe system for process flow analysis. Part 3. Time based injection applied to the spectrophotometric determination of nickel(ii) and iron speciation. <i>Analyst, The</i> , 2001, 126, 903-910. | 1.7 | 12 |
| 87 | Non-linear calibration in single point flow titration of protolytes. <i>Analytica Chimica Acta</i> , 2000, 414, 221-237. | 2.6 | 2 |
| 88 | A robust multisyringe system for process flow analysis. <i>Analyst, The</i> , 1999, 124, 1373-1381. | 1.7 | 65 |
| 89 | New approach to sequential injection analysis: using the sample as carrier. <i>Analyst, The</i> , 1998, 123, 1541-1546. | 1.7 | 19 |
| 90 | Wastewater quality monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 1997, 16, 419-424. | 5.8 | 84 |

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|----|--|-----|-----------|
| 91 | Preconcentration by flow reversal in conductometric sequential injection analysis of ammonium. <i>Electroanalysis</i> , 1996, 8, 387-390. | 1.5 | 31 |
| 92 | Determination of iron by flow injection based on the catalytic effect of the iron(III)-ethylenediaminetetraacetic acid complex on the oxidation of hydroxylamine by dissolved oxygen. <i>Analyst</i> , 1991, 116, 913-917. | 1.7 | 23 |
| 93 | Nutrient Control. , 0, , 219-245. | | 0 |