

Victor Cerda

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272
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ext. papers

6,642
ext. citations

5.8
avg, IF

6.13
L-index

#	Paper	IF	Citations
272	Solid-phase extraction of organic compounds: A critical review (Part I). <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 80, 641-654	14.6	249
271	Magnetic solid-phase extraction using metal-organic frameworks (MOFs) and their derived carbons. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 90, 142-152	14.6	184
270	Flow analysis techniques for phosphorus: an overview. <i>Talanta</i> , 2005 , 66, 307-31	6.2	92
269	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, 2832-40	7.8	91
268	Lab in a syringe: fully automated dispersive liquid-liquid microextraction with integrated spectrophotometric detection. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 909-17	4.4	82
267	Application of flowing stream techniques to water analysis Part III. Metal ions: alkaline and alkaline-earth metals, elemental and harmful transition metals, and multielemental analysis. <i>Talanta</i> , 2004 , 63, 201-23	6.2	72
266	In-syringe-stirring: a novel approach for magnetic stirring-assisted dispersive liquid-liquid microextraction. <i>Analytica Chimica Acta</i> , 2013 , 788, 52-60	6.6	70
265	Wastewater quality monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 1997 , 16, 419-424	14.6	70
264	Automated in-syringe dispersive liquid-liquid microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 59, 1-8	14.6	68
263	Completely automated in-syringe dispersive liquid-liquid microextraction using solvents lighter than water. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 1383-8	4.4	64
262	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, 349-56	6.2	64
261	Automatic In-Syringe Dispersive Microsolid Phase Extraction Using Magnetic Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2015 , 87, 7545-9	7.8	61
260	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. <i>Analytica Chimica Acta</i> , 2007 , 601, 87-94	6.6	61
259	Critical approach to synchronous spectrofluorimetry. I. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 885-901	14.6	59
258	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. <i>Journal of Analytical Atomic Spectrometry</i> , 2012 , 27, 327	3.7	58
257	Application of flowing stream techniques to water analysis. Part I. Ionic species: dissolved inorganic carbon, nutrients and related compounds. <i>Talanta</i> , 2003 , 60, 867-86	6.2	54
256	Environmental Applications of Excitation-Emission Spectrofluorimetry: An In-Depth Review II. <i>Applied Spectroscopy Reviews</i> , 2013 , 48, 77-141	4.5	53

255	Pollution pathways of pharmaceutical residues in the aquatic environment on the island of Mallorca, Spain. <i>Archives of Environmental Contamination and Toxicology</i> , 2013 , 65, 56-66	3.2	50
254	Applicability of multisyringe chromatography coupled to cold-vapor atomic fluorescence spectrometry for mercury speciation analysis. <i>Analytica Chimica Acta</i> , 2011 , 708, 11-8	6.6	49
253	A robust multisyringe system for process flow analysis. Part I. On-line dilution and single point titration of protolytes. <i>Analyst, The</i> , 1999 , 124, 1373-1381	5	49
252	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, 1333-40	6.2	48
251	Multisyringe flow system: determination of sulfur dioxide in wines. <i>Analyst, The</i> , 2000 , 125, 1501-1505	5	48
250	A multisyringe flow injection method for the automated determination of sulfide in waters using a miniaturised optical fiber spectrophotometer. <i>Talanta</i> , 2004 , 64, 1119-26	6.2	47
249	Fully-automated fluorimetric determination of aluminum in seawater by in-syringe dispersive liquid-liquid microextraction using lumogallion. <i>Analytical Chemistry</i> , 2012 , 84, 9462-9	7.8	46
248	Metal-organic framework mixed-matrix disks: Versatile supports for automated solid-phase extraction prior to chromatographic separation. <i>Journal of Chromatography A</i> , 2017 , 1488, 1-9	4.5	45
247	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, 3575-82	4.5	45
246	Potential of multisyringe flow-based multicommutated systems. <i>Analytica Chimica Acta</i> , 2007 , 600, 35-45	6.6	45
245	Flow-through dispersed carbon nanofiber-based microsolid-phase extraction coupled to liquid chromatography for automatic determination of trace levels of priority environmental pollutants. <i>Analytical Chemistry</i> , 2011 , 83, 5237-44	7.8	44
244	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, 4822-30	7.8	44
243	Multi-pumping flow system for the determination, solid-phase extraction and speciation analysis of iron. <i>Analytica Chimica Acta</i> , 2005 , 550, 33-39	6.6	43
242	Automation of radiochemical analysis by applying flow techniques to environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 1399-1408	14.6	41
241	Online hyphenation of multimodal microsolid phase extraction involving renewable molecularly imprinted and reversed-phase sorbents to liquid chromatography for automatic multi-residue assays. <i>Analytical Chemistry</i> , 2010 , 82, 3052-60	7.8	40
240	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, 8290-8	7.8	40
239	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, 589-95	6.2	39
238	3D printed device for the automated preconcentration and determination of chromium (VI). <i>Talanta</i> , 2018 , 184, 15-22	6.2	38

237	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, 644-51	5	38
236	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, 6761-9	4.4	37
235	Determination of mercury in rice by MSFIA and cold vapour atomic fluorescence spectrometry. <i>Food Chemistry</i> , 2013 , 137, 159-63	8.5	37
234	Sequential injection 90Sr determination in environmental samples using a wetting-film extraction method. <i>Analytical Chemistry</i> , 2002 , 74, 826-33	7.8	37
233	Sequential injection spectrophotometric analysis of nitrite in natural waters using an on-line solid-phase extraction and preconcentration method. <i>Analyst, The</i> , 2000 , 125, 943-948	5	37
232	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	4.5	36
231	Coupling of sequential injection chromatography with multivariate curve resolution-alternating least-squares for enhancement of peak capacity. <i>Analytical Chemistry</i> , 2007 , 79, 7767-74	7.8	36
230	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, 212-7	3.5	36
229	Speciation analysis of inorganic arsenic by a multisyringe flow injection system with hydride generation-atomic fluorescence spectrometric detection. <i>Talanta</i> , 2006 , 69, 500-8	6.2	36
228	Recent advances in flow-based automated solid-phase extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 370-380	14.6	36
227	Strategies for automating solid-phase extraction and liquid-liquid extraction in radiochemical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 76, 145-152	14.6	35
226	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	4.4	35
225	Critical approach to synchronous spectrofluorimetry. II. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 902-927	14.6	35
224	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. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 2349-56	4.4	35
223	Submicrometric Magnetic Nanoporous Carbons Derived from Metal-Organic Frameworks Enabling Automated Electromagnet-Assisted Online Solid-Phase Extraction. <i>Analytical Chemistry</i> , 2016 , 88, 6990-3	7.8	34
222	Use of thermal desorption-gas chromatography-mass spectrometry (TD-GC-MS) on identification of odorant emission focus by volatile organic compounds characterisation. <i>Chemosphere</i> , 2012 , 89, 1426-36	8.4	34
221	A miniature and field-applicable multipumping flow analyzer for ammonium monitoring in seawater with fluorescence detection. <i>Talanta</i> , 2011 , 85, 380-5	6.2	34
220	Solid phase extraction--multisyringe flow injection system for the spectrophotometric determination of selenium with 2,3-diaminonaphthalene. <i>Talanta</i> , 2010 , 81, 572-7	6.2	34

219	On-line lab-in-syringe cloud point extraction for the spectrophotometric determination of antimony. <i>Talanta</i> , 2016 , 148, 694-9	6.2	33
218	Fully-automated in-syringe dispersive liquid-liquid microextraction for the determination of caffeine in coffee beverages. <i>Food Chemistry</i> , 2016 , 212, 759-67	8.5	33
217	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	4.5	33
216	Analytical strategies for coupling separation and flow-injection techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 67, 26-33	14.6	33
215	A membraneless gas-diffusion unit-multisyringe flow injection spectrophotometric method for ammonium determination in untreated environmental samples. <i>Talanta</i> , 2011 , 84, 1244-52	6.2	33
214	Multi-syringe flow injection solid-phase extraction system for on-line simultaneous spectrophotometric determination of nitro-substituted phenol isomers. <i>Analytica Chimica Acta</i> , 2007 , 582, 41-9	6.6	33
213	Flow-through solid-phase reflectometric method for simultaneous multiresidue determination of nitrophenol derivatives. <i>Analytica Chimica Acta</i> , 2007 , 600, 155-63	6.6	33
212	Reversed flow injection and sandwich sequential injection methods for the spectrophotometric determination of copper(II) with cuprizone. <i>Analytica Chimica Acta</i> , 2003 , 486, 227-235	6.6	33
211	Improved spectrophotometric determination of paraquat in drinking waters exploiting a Multisyringe liquid core waveguide system. <i>Talanta</i> , 2011 , 85, 588-95	6.2	32
210	Development of an automatic method for americium and plutonium separation and preconcentration using an multisyringe flow injection analysis-multipumping flow system. <i>Analytical Chemistry</i> , 2008 , 80, 195-202	7.8	32
209	3D printed device including disk-based solid-phase extraction for the automated speciation of iron using the multisyringe flow injection analysis technique. <i>Talanta</i> , 2017 , 175, 463-469	6.2	31
208	Lab on valve-multisyringe flow injection system (LOV-MSFIA) for fully automated uranium determination in environmental samples. <i>Talanta</i> , 2011 , 84, 1221-7	6.2	31
207	Automatic in vitro determination of hypochlorous acid scavenging capacity exploiting multisyringe flow injection analysis and chemiluminescence. <i>Analytical Chemistry</i> , 2007 , 79, 3933-9	7.8	31
206	Application of flowing-stream techniques to water analysis Part II. General quality parameters and anionic compounds: halogenated, sulphur and metalloid species. <i>Talanta</i> , 2004 , 62, 1-15	6.2	31
205	Nanoparticle-Directed Metal-Organic Framework/Porous Organic Polymer Monolithic Supports for Flow-Based Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1728-1736	9.5	30
204	Incorporation of zeolitic imidazolate framework (ZIF-8)-derived nanoporous carbons in methacrylate polymeric monoliths for capillary electrochromatography. <i>Talanta</i> , 2017 , 164, 348-354	6.2	30
203	Multisyringe ion chromatography with chemiluminescence detection for the determination of oxalate in beer and urine samples. <i>Mikrochimica Acta</i> , 2011 , 173, 33-41	5.8	30
202	Smart thorium and uranium determination exploiting renewable solid-phase extraction applied to environmental samples in a wide concentration range. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 3585-94	4.4	30

201	Preconcentration by flow reversal in conductometric sequential injection analysis of ammonium. <i>Electroanalysis</i> , 1996 , 8, 387-390	3	30
200	Multisyringe flow injection system for solid-phase extraction coupled to liquid chromatography using monolithic column for screening of phenolic pollutants. <i>Talanta</i> , 2009 , 77, 1466-72	6.2	29
199	Simultaneous determination of beta-lactamic antibiotics by a new high-performance low-pressure chromatographic system using a multisyringe burette coupled to a monolithic column (MSC). <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 663-71	4.4	29
198	Modulation of mobile phase composition in flow-injection/sequential-injection chromatography exploiting multisyringe flow analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 817-25	4.4	29
197	Determination of priority phenolic pollutants exploiting an in-syringe dispersive liquid-liquid microextraction-multisyringe chromatography system. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 2013-22	4.4	28
196	Standardization of UV-visible data in a food adulteration classification problem. <i>Food Chemistry</i> , 2012 , 134, 2326-31	8.5	28
195	Miniaturized optical chemosensor for flow-based assays. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 1381-7	4.4	28
194	Multicommutated flow techniques for developing analytical methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2006 , 25, 236-242	14.6	28
193	Potentials of multisyringe flow injection analysis for chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2005 , 541, 55-66	6.6	28
192	Enhanced automatic flow-injection determination of the total polyphenol index in wines using Folin-Ciocalteu reagent. <i>Analytica Chimica Acta</i> , 1992 , 269, 21-28	6.6	28
191	Zeolitic imidazolite framework dispersions for the fast and highly efficient extraction of organic micropollutants. <i>RSC Advances</i> , 2015 , 5, 28203-28210	3.7	27
190	In-syringe magnetic stirring-assisted dispersive liquid-liquid microextraction for automation and downscaling of methylene blue active substances assay. <i>Talanta</i> , 2014 , 130, 555-60	6.2	27
189	Multisyringe flow injection analysis coupled to capillary electrophoresis (MSFIA-CE) as a novel analytical tool applied to the pre-concentration, separation and determination of nitrophenols. <i>Talanta</i> , 2008 , 76, 72-9	6.2	27
188	Development of a MSFIA system for sequential determination of antimony, arsenic and selenium using hydride generation atomic fluorescence spectrometry. <i>Talanta</i> , 2016 , 156-157, 29-33	6.2	27
187	Automated dispersive liquid-liquid microextraction based on the solidification of the organic phase. <i>Talanta</i> , 2018 , 189, 241-248	6.2	27
186	Emerging materials for sample preparation. <i>Journal of Separation Science</i> , 2018 , 41, 262-287	3.4	26
185	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. <i>Talanta</i> , 2005 , 66, 210-7	6.2	26
184	Multi-pumping flow system for the determination of dissolved orthophosphate and dissolved organic phosphorus in wastewater samples. <i>Analytica Chimica Acta</i> , 2006 , 572, 148-54	6.6	26

183	Hydrophobic magnetic montmorillonite composite material for the efficient adsorption and microextraction of bisphenol A from water samples. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 4062-4071	6.8	25
182	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. <i>Food Chemistry</i> , 2016 , 204, 475-482	8.5	25
181	Towards the development of a miniaturized fiberless optofluidic biosensor for glucose. <i>Talanta</i> , 2012 , 96, 113-20	6.2	25
180	Exploiting the use of 3,4-HPO ligands as nontoxic reagents for the determination of iron in natural waters with a sequential injection approach. <i>Talanta</i> , 2013 , 108, 38-45	6.2	25
179	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	6.2	25
178	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	3.2	24
177	A miniaturized analyzer for the catalytic determination of iodide in seawater and pharmaceutical samples. <i>Talanta</i> , 2013 , 108, 92-102	6.2	24
176	Automated determination of uranium(VI) at ultra trace levels exploiting flow techniques and spectrophotometric detection using a liquid waveguide capillary cell. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 871-8	4.4	24
175	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, 974-81	3.4	23
174	A highly reproducible solenoid micropump system for the analysis of total inorganic carbon and ammonium using gas-diffusion with conductimetric detection. <i>Talanta</i> , 2014 , 118, 186-94	6.2	23
173	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	5.8	23
172	Multi-pumping flow system for the determination of nitrite and nitrate in water samples. <i>Mikrochimica Acta</i> , 2008 , 161, 73-79	5.8	23
171	Use of tetramethylbenzidine for the spectrophotometric sequential injection determination of free chlorine in waters. <i>Talanta</i> , 2007 , 72, 1186-91	6.2	23
170	Nanoparticle-templated hierarchically porous polymer/zeolitic imidazolate framework as a solid-phase microextraction coatings. <i>Journal of Chromatography A</i> , 2018 , 1567, 55-63	4.5	23
169	In-syringe dispersive SPE of estrogens using magnetic carbon microparticles obtained from zeolitic imidazolate frameworks. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 225-234	4.4	22
168	On line automated system for the determination of Sb(V), Sb(III), trimethyl antimony(v) and total antimony in soil employing multisyringe flow injection analysis coupled to HG-AFS. <i>Talanta</i> , 2017 , 165, 502-507	6.2	22
167	A portable multi-syringe flow system for spectrofluorimetric determination of iodide in seawater. <i>Talanta</i> , 2015 , 144, 1155-62	6.2	22
166	Iron speciation by microsequential injection solid phase spectrometry using 3-hydroxy-1(H)-2-methyl-4-pyridinone as chromogenic reagent. <i>Talanta</i> , 2015 , 133, 15-20	6.2	22

165	Automated total and radioactive strontium separation and preconcentration in samples of environmental interest exploiting a lab-on-valve system. <i>Talanta</i> , 2012 , 96, 96-101	6.2	22
164	Automated enzymatic assays in a renewable fashion using the multisyringe flow injection scheme with soluble enzymes. <i>Analytical Chemistry</i> , 2004 , 76, 773-80	7.8	22
163	Simultaneous determination of chloride and fluoride ions in waters by sequential injection analysis. <i>Electroanalysis</i> , 1996 , 8, 1051-1054	3	22
162	Automation of U extraction by LOV prior ICP-MS detection: application to environmental samples. <i>Talanta</i> , 2015 , 133, 88-93	6.2	21
161	Highly integrated flow assembly for automated dynamic extraction and determination of readily bioaccessible chromium(VI) in soils exploiting carbon nanoparticle-based solid-phase extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 2217-27	4.4	21
160	Optical fibre reflectance sensor for the determination and speciation analysis of iron in fresh and seawater samples coupled to a multisyringe flow injection system. <i>Analytica Chimica Acta</i> , 2005 , 528, 197-203	6.6	21
159	Speciation analysis of antimony in environmental samples employing atomic fluorescence spectrometry [Review]. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 110, 335-343	14.6	21
158	Development of flow systems incorporating membraneless vaporization units and flow-through contactless conductivity detector for determination of dissolved ammonium and sulfide in canal water. <i>Talanta</i> , 2018 , 177, 34-40	6.2	20
157	Metal Oxide Assisted Preparation of Core-Shell Beads with Dense Metal-Organic Framework Coatings for the Enhanced Extraction of Organic Pollutants. <i>Chemistry - A European Journal</i> , 2016 , 22, 11770-7	4.8	20
156	Cadmium determination in natural water samples with an automatic multisyringe flow injection system coupled to a flow-through screen printed electrode. <i>Talanta</i> , 2012 , 96, 140-6	6.2	20
155	Volatile organic compounds in landfill odorant emissions on the island of Mallorca. <i>International Journal of Environmental Analytical Chemistry</i> , 2013 , 93, 434-449	1.8	20
154	Determination of mercury by multisyringe flow injection system with cold-vapor atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2006 , 573-574, 399-405	6.6	20
153	An intelligent flow analyser for the in-line concentration, speciation and monitoring of metals at trace levels. <i>Talanta</i> , 2004 , 62, 887-95	6.2	20
152	Automated solid-phase extraction of organic pollutants using melamine-formaldehyde polymer-derived carbon foams. <i>RSC Advances</i> , 2016 , 6, 48558-48565	3.7	20
151	Immobilization of Metal-Organic Frameworks on Supports for Sample Preparation and Chromatographic Separation. <i>Chromatographia</i> , 2019 , 82, 361-375	2.1	20
150	Uranium monitoring tool for rapid analysis of environmental samples based on automated liquid-liquid microextraction. <i>Talanta</i> , 2015 , 134, 674-680	6.2	19
149	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	3.7	19
148	Critical evaluation of novel dynamic flow-through methods for automatic sequential BCR extraction of trace metals in fly ash. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 394, 337-49	4.4	19

147	The potential of downscaled dynamic column extraction for fast and reliable assessment of natural weathering effects of municipal solid waste incineration bottom ashes. <i>Analytica Chimica Acta</i> , 2008 , 619, 192-201	6.6	19
146	A smart multisyringe flow injection system for analysis of sample batches with high variability in sulfide concentration. <i>Analytica Chimica Acta</i> , 2006 , 573-574, 391-8	6.6	19
145	The application of multicommutated flow techniques to the determination of iron. <i>TrAC - Trends in Analytical Chemistry</i> , 2006 , 25, 583-588	14.6	19
144	A novel flow-through disk-based solid-phase extraction diffuse reflectance optrode. Application to preconcentration and determination of trace levels of nitrite. <i>Analyst, The</i> , 2001 , 126, 1740-1746	5	19
143	Automated multisyringe stir bar sorptive extraction using robust montmorillonite/epoxy-coated stir bars. <i>Journal of Chromatography A</i> , 2016 , 1445, 10-8	4.5	19
142	Bioactive compounds of sweet and sour cherry stems obtained by subcritical water extraction. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1627-1635	3.5	19
141	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. <i>Talanta</i> , 2017 , 167, 695-702	6.2	18
140	Automatic in-syringe dispersive liquid-liquid microextraction of ^{232}Th from biological samples and hospital residues prior to liquid scintillation counting. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5571-8	4.4	18
139	Automatic and simple method for ^{232}Th determination using a selective resin and liquid scintillation detection applied to urine samples. <i>Analytical Chemistry</i> , 2013 , 85, 5491-8	7.8	18
138	Dynamic fractionation of trace metals in soil and sediment samples using rotating coiled column extraction and sequential injection microcolumn extraction: a comparative study. <i>Talanta</i> , 2009 , 79, 1081-8	6.2	18
137	Fluidized-bed column method for automatic dynamic extraction and determination of trace element bioaccessibility in highly heterogeneous solid wastes. <i>Analytica Chimica Acta</i> , 2010 , 658, 41-8	6.6	18
136	Spectrophotometric determination of chloride in waters using a multisyringe flow injection system. <i>Talanta</i> , 2008 , 74, 1534-8	6.2	18
135	Multicomponent Analysis of Highly Overlapped HPLC Peaks Using Multiwavelength Diode Array Detection. <i>Journal of Chromatographic Science</i> , 1992 , 30, 453-458	1.4	18
134	3D printed resin-coated device for uranium (VI) extraction. <i>Talanta</i> , 2019 , 196, 510-514	6.2	18
133	A non-chromatographic automated system for antimony speciation in natural water exploiting multisyringe flow injection analysis coupled with online hydride generation atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 1133-1141	3.7	17
132	Development of a MSFIA sample treatment system as front end of GC-MS for atenolol and propranolol determination in human plasma. <i>Talanta</i> , 2015 , 132, 15-22	6.2	17
131	Multisyringe flow injection analysis hyphenated with liquid core waveguides for the development of cleaner spectroscopic analytical methods: improved determination of chloride in waters. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 394, 1577-83	4.4	17
130	In-syringe extraction using dissolvable layered double hydroxide-polymer sponges templated from hierarchically porous coordination polymers. <i>Journal of Chromatography A</i> , 2016 , 1453, 1-9	4.5	17

129	Automated in-chip kinetic-catalytic method for molybdenum determination. <i>Talanta</i> , 2014 , 119, 68-74	6.2	16
128	Rapid chemiluminometric determination of gabapentin in pharmaceutical formulations exploiting pulsed-flow analysis. <i>Luminescence</i> , 2009 , 24, 10-4	2.5	16
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