Manuel Miro

List of Publications by Year
in descending order

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198 papers	6,012 citations	66315 42 h-index	128225 60 g-index
415 all docs	415 docs citations	415 times ranked	4416 citing authors

#	Article	IF	Citations
1	Automatic and renewable micro-solid-phase extraction based on bead injection lab-on-valve system for determination of tranexamic acid in urine by UHPLC coupled with tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2022, 414, 649-659.	1.9	6
2	Automated Sequential Injection-Capillary Electrophoresis for Dried Blood Spot Analysis: A Proof-of-Concept Study. Analytical Chemistry, 2022, 94, 5301-5309.	3.2	7
3	3D printed spinning cup-shaped device for immunoaffinity solid-phase extraction of diclofenac in wastewaters. Mikrochimica Acta, 2022, 189, 173.	2.5	6
4	Real-time monitoring of Metridia luciferase release from cells upon interaction with model toxic substances by a fully automatic flow setup â€“ A proof of concept. Talanta, 2022, 245, 123465.	2.9	1
5	Mimicking human ingestion of microplastics: Oral bioaccessibility tests of bisphenol A and phthalate esters under fed and fasted states. Science of the Total Environment, 2022, 826, 154027.	3.9	10
6	Assessing population exposure to phthalate plasticizers in thirteen Spanish cities through the analysis of wastewater. Journal of Hazardous Materials, 2021, 401, 123272.	6.5	39
7	Scientific Activities for the Engagement of Undergraduate Students in the Separation and Recycling of Waste. Journal of Chemical Education, 2021, 98, 454-460.	1.1	5
8	An automatic flow-through system for exploration of the human bioaccessibility of endocrine disrupting compounds from microplastics. Analyst, The, 2021, 146, 3858-3870.	1.7	5
9	The emerging role of 3D printing in the fabrication of detection systems. TrAC - Trends in Analytical Chemistry, 2021, 136, 116177.	5.8	63
10	Microscale extraction versus conventional approaches for handling gastrointestinal extracts in oral bioaccessibility assays of endocrine disrupting compounds from microplastic contaminated beach sand. Environmental Pollution, 2021, 272, 115992.	3.7	8
11	3D printed permeation module to monitor interaction of cell membrane transporters with exogenic compounds in real-time. Analytica Chimica Acta, 2021, 1153, 338296.	2.6	1
12	3D printed extraction devices in the analytical laboratoryâ€”a case study of Soxhlet extraction. Analytical and Bioanalytical Chemistry, 2021, 413, 4373-4378.	1.9	3
13	The embodiment of wastewater data for the estimation of illicit drug consumption in Spain. Science of the Total Environment, 2021, 772, 144794.	3.9	31
14	Source identification of amphetamine-like stimulants in Spanish wastewater through enantiomeric profiling. Water Research, 2021, 206, 117719.	5.3	13
15	Human artificial membranes in (bio)analytical science: Potential for inÂvitro prediction of intestinal absorption-A review. TrAC - Trends in Analytical Chemistry, 2021, 145, 116446.	5.8	9
16	Evidence of high bioaccessibility of gadolinium-contrast agents in natural waters after human oral uptake. Science of the Total Environment, 2021, 793, 148506.	3.9	10
17	Evaluation of the aluminum migration from metallic seals to coffee beverage after using a high-pressure coffee pod machine. Journal of Food Composition and Analysis, 2021, 104, 104131.	1.9	2
18	Membrane Enhanced Bioaccessibility Extraction (MEBE) of hydrophobic soil pollutants â€“ Using a semipermeable membrane for separating desorption medium and acceptor solvent. Environmental Pollution, 2020, 257, 113470.	3.7	3

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19	Microextraction approaches for bioanalytical applications: An overview. Journal of Chromatography A, 2020, 1616, 460790.	1.8	58
20	Cost-Effectiveness Analysis of Chlorine-Based and Alternative Disinfection Systems for Pool Waters. Journal of Environmental Engineering, ASCE, 2020, 146, .	0.7	7
21	In quest of effect directed analysis in the smart laboratory: Automated system for flow-through evaluation of membranotropic effects of emerging contaminants. Talanta, 2020, 209, 120600.	2.9	1
22	Combining inÂvitro oral bioaccessibility methods with biological assays for human exposome studies of contaminants of emerging concern in solid samples. TrAC - Trends in Analytical Chemistry, 2020, 132, 116040.	5.8	7
23	In-vitro prediction of the membranotropic action of emerging organic contaminants using a liposome-based multidisciplinary approach. Science of the Total Environment, 2020, 738, 140096.	3.9	7
24	In vitro bioaccessibility of metals from tape tea â€“ A low-cost emerging drug. Journal of Trace Elements in Medicine and Biology, 2020, 62, 126613.	1.5	2
25	On-line microcolumn-based dynamic leaching method for investigation of lead bioaccessibility in shooting range soils. Chemosphere, 2020, 256, 127022.	4.2	18
26	On-line sample treatment coupled with atomic spectrometric detection for the determination of trace elements in natural waters. Journal of Analytical Atomic Spectrometry, 2020, 35, 643-670.	1.6	13
27	Ecotoxicological equilibria of triclosan in Microtox, XenoScreen YES/YAS, Caco2, HEPG2 and liposomal systems are affected by the occurrence of other pharmaceutical and personal care emerging contaminants. Science of the Total Environment, 2020, 719, 137358.	3.9	16
28	Highâ€throughput microscale extraction using ionic liquids and derivatives: A review. Journal of Separation Science, 2020, 43, 1890-1907.	1.3	22
29	3D printed fluidic platform with in-situ covalently immobilized polymer monolithic column for automatic solid-phase extraction. Analytica Chimica Acta, 2020, 1111, 40-48.	2.6	22
30	Combining graphite with hollow-fiber liquid-phase microextraction for improving the extraction efficiency of relatively polar organic compounds. Talanta, 2020, 215, 120902.	2.9	22
31	3D Printing in Separation Science: Hype or Reality?. Brazilian Journal of Analytical Chemistry, 2020, 7, .	0.3	0
32	Fully Automated Electric-Field-Driven Liquid Phase Microextraction System with Renewable Organic Membrane As a Front End to High Performance Liquid Chromatography. Analytical Chemistry, 2019, 91, 10808-10815.	3.2	19
33	Complementary assessment of As, Cu and Zn environmental availability in a stabilised contaminated soil using large-bore column leaching, automatic microcolumn extraction and DGT analysis. Science of the Total Environment, 2019, 690, 217-225.	3.9	11
34	Reliable Sensing Platform for Plasmonic Enzyme-Linked Immunosorbent Assays Based on Automatic Flow-Based Methodology. Analytical Chemistry, 2019, 91, 13260-13267.	3.2	25
35	A flow-based platform hyphenated to on-line liquid chromatography for automatic leaching tests of chemical additives from microplastics into seawater. Journal of Chromatography A, 2019, 1602, 160-167.	1.8	35
36	Automatic Mesofluidic System Combining Dynamic Gastrointestinal Bioaccessibility with Lab-on-Valve-Based Sorptive Microextraction for Risk Exposure of Organic Emerging Contaminants in Filter-Feeding Organisms. Analytical Chemistry, 2019, 91, 5739-5746.	3.2	6

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37	Trends in analytical separations of magnetic (nano)particles. TrAC - Trends in Analytical Chemistry, 2019, 114, 89-97.	5.8	31
38	Modeling Dispersal of UV Filters in Estuaries. Environmental Science & Technology, 2019, 53, 1353-1363.	4.6	10
39	3D Printing: The Second Dawn of Lab-On-Valve Fluidic Platforms for Automatic (Bio)Chemical Assays. Analytical Chemistry, 2019, 91, 1140-1149.	3.2	46
40	RECYCLING OF WASTE: A POWERFUL TOOL AS AN ACTIVE LEARNING METHODOLOGY FOR SCIENCE UNDERGRADUATES. , 2019, , .		0
41	EXPERIMENTAL LEARNING EXPERIENCES ORCHESTRATED BY UNDERGRADUATE COLLEGE STUDENTS TO ACTIVELY ENGAGE MIDDLE SCHOOL STUDENTS IN FOOD WASTE RECYCLING. , 2019, , .		0
42	Lab-on-a-Valve Mesofluidic Platform for On-Chip Handling of Carbon-Coated Titanium Dioxide Nanotubes in a Disposable Microsolid Phase-Extraction Mode. Analytical Chemistry, 2018, 90, 4783-4791.	3.2	6
43	In-line carbon nanofiber reinforced hollow fiber-mediated liquid phase microextraction using a 3D printed extraction platform as a front end to liquid chromatography for automatic sample preparation and analysis: A proof of concept study. Talanta, 2018, 185, 611-619.	2.9	39
44	A novel hybrid flow platform for on-line simultaneous dynamic fractionation and evaluation of mercury lability in environmental solids. Talanta, 2018, 178, 622-628.	2.9	8
45	Flow Injection Analysis: Detection Techniques. , 2018, , 154-154.		0
46	Flow Injection Analysisâ€"Environmental and Agricultural Applications. , 2018, , 164-164.		0
47	Flow-through dynamic microextraction system for automatic in vitro assessment of chyme bioaccessibility in food commodities. Analytica Chimica Acta, 2018, 1026, 51-61.	2.6	6
48	A novel on-line organic mercury digestion method combined with atomic fluorescence spectrometry for automatic mercury speciation. Talanta, 2018, 189, 220-224.	2.9	21
49	Opportunities for 3D printed millifluidic platforms incorporating on-line sample handling and separation. TrAC - Trends in Analytical Chemistry, 2018, 108, 13-22.	5.8	60
50	Where are modern flow techniques heading to?. Analytical and Bioanalytical Chemistry, 2018, 410, 6361-6370.	1.9	29
51	On-line monitoring of in-vitro oral bioaccessibility tests as front-end to liquid chromatography for determination of chlorogenic acid isomers in dietary supplements. Talanta, 2017, 166, 391-398.	2.9	8
52	In-vitro estimation of bioaccessibility of chlorinated organophosphate flame retardants in indoor dust by fasting and fed physiologically relevant extraction tests. Science of the Total Environment, 2017, 580, 540-549.	3.9	22
53	In vitro oral bioaccessibility and total content of Cu, Fe, Mn and Zn from transgenic (through cp4) Tj ETQq1 1 0.784314 rgBT /Overlock	4.2	25
54	Dynamic flow-through approach to evaluate readily bioaccessible antioxidants in solid food samples. Talanta, 2017, 166, 162-168.	2.9	7

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55	Fully Automatic In-Syringe Magnetic Stirring-Assisted Dispersive Liquidâ€"Liquid Microextraction Hyphenated to High-Temperature Torch Integrated Sample Introduction System-Inductively Coupled Plasma Spectrometer with Direct Injection of the Organic Phase. Analytical Chemistry, 2017, 89, 3787-3794.	3.2	30
56	An automatic flow assembly for on-line dynamic fractionation of trace level concentrations of mercury in environmental solids with high organic load. Analytica Chimica Acta, 2017, 975, 1-10.	2.6	10
57	On-line dynamic extraction system hyphenated to inductively coupled plasma optical emission spectrometry for automatic determination of oral bioaccessible trace metal fractions in airborne particulate matter. Analytical and Bioanalytical Chemistry, 2017, 409, 2747-2756.	1.9	8
58	Online coupling of fully automatic in-syringe dispersive liquid-liquid microextraction with oxidative back-extraction to inductively coupled plasma spectrometry for sample clean-up in elemental analysis: A proof of concept. Talanta, 2017, 173, 79-87.	2.9	22
59	In-vitro physiologically based extraction of solid materials: Do we have reliable analytical methods for bioaccessibility studies of emerging organic contaminants?. TrAC - Trends in Analytical Chemistry, 2017, 91, 42-52.	5.8	13
60	3D-Printed Microflow Injection Analysis Platform for Online Magnetic Nanoparticle Sorptive Extraction of Antimicrobials in Biological Specimens as a Front End to Liquid Chromatographic Assays. Analytical Chemistry, 2017, 89, 12541-12549.	3.2	40
61	Towards an automatic lab-on-valve-ion mobility spectrometric system for detection of cocaine abuse. Journal of Chromatography A, 2017, 1512, 43-50.	1.8	18
62	Rapid estimation of readily leachable triazine residues in soils using automatic kinetic bioaccessibility assays followed by on-line sorptive clean-up as a front-end to liquid chromatography. Talanta, 2016, 156-157, 71-78.	2.9	5
63	On-line coupling of physiologically relevant bioaccessibility testing to inductively coupled plasma spectrometry: Proof of concept for fast assessment of gastrointestinal bioaccessibility of micronutrients from soybeans. Analytica Chimica Acta, 2016, 939, 1-9.	2.6	10
64	Dynamic single-interface hollow fiber liquid phase microextraction of Cr(VI) using ionic liquid containing supported liquid membrane. Talanta, 2016, 161, 730-734.	2.9	26
65	New Insights into the Reliability of Automatic Dynamic Methods for Oral Bioaccessibility Testing: A Case Study for BGS102 soil. Environmental Science & Technology, 2016, 50, 9479-9486.	4.6	12
66	Glossary of terms used in extraction (IUPAC Recommendations 2016). Pure and Applied Chemistry, 2016, 88, 517-558.	0.9	35
67	Extraction for analytical scale sample preparation (IUPAC Technical Report). Pure and Applied Chemistry, 2016, 88, 649-687.	0.9	42
68	Fluorescent Lipid Nanoparticles as Biomembrane Models for Exploring Emerging Contaminant Bioavailability Supported by Density Functional Theory Calculations. Environmental Science & Technology, 2016, 50, 7135-7143.	4.6	9
69	A mesofluidic platform integrating restricted access-like sorptive microextraction as a front end to ICP-AES for the determination of trace level concentrations of lead and cadmium as contaminants in honey. Journal of Analytical Atomic Spectrometry, 2016, 31, 473-481.	1.6	31
70	Fully automatic flow-based device for monitoring of drug permeation across a cell monolayer. Analytical and Bioanalytical Chemistry, 2016, 408, 971-981.	1.9	5
71	Dynamic leaching and fractionation of trace elements from environmental solids exploiting a novel circulating-flow platform. Talanta, 2016, 148, 617-625.	2.9	5
72	Automatic flow-through dynamic extraction: A fast tool to evaluate char-based remediation of multi-element contaminated mine soils. Talanta, 2016, 148, 686-693.	2.9	7

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73	Hybrid Flow System for Automatic Dynamic Fractionation and Speciation of Inorganic Arsenic in Environmental Solids. Environmental Science & Technology, 2015, 49, 2733-2740.	4.6	9
74	CocoSoft: educational software for automation in the analytical chemistry laboratory. Analytical and Bioanalytical Chemistry, 2015, 407, 6227-6233.	1.9	37
75	Hybrid flow system integrating a miniaturized optoelectronic detector for on-line dynamic fractionation and fluorometric determination of bioaccessible orthophosphate in soils. Talanta, 2015, 133, 59-65.	2.9	14
76	High-throughput automatic flow method for determination of trace concentrations of aluminum in dialysis concentrate solutions using salicylaldehyde picolinoylhydrazone as a turn-on fluorescent probe. Talanta, 2015, 133, 120-126.	2.9	5
77	A mesofluidic platform integrating on-chip probe ultrasonication for multiple sample pretreatment involving denaturation, reduction, and digestion in protein identification assays by mass spectrometry. Analyst, The, 2014, 139, 992-995.	1.7	7
78	On-chip microsolid-phase extraction in a disposable sorbent format using mesofluidic platforms. TrAC - Trends in Analytical Chemistry, 2014, 62, 154-161.	5.8	25
79	Programmable flow-based dynamic sorptive microextraction exploiting an octadecyl chemically modified rotating disk extraction system for the determination of acidic drugs in urine. Journal of Chromatography A, 2014, 1368, 64-69.	1.8	33
80	Automatic Kinetic Bioaccessibility Assay of Lead in Soil Environments Using Flow-through Microdialysis as a Front End to Electrothermal Atomic Absorption Spectrometry. Environmental Science & Technology, 2014, 48, 6282-6290.	4.6	19
81	Assessing oral bioaccessibility of trace elements in soils under worst-case scenarios by automated in-line dynamic extraction as a front end to inductively coupled plasma atomic emission spectrometry. Analytica Chimica Acta, 2014, 842, 1-10.	2.6	26
82	High-Resolution Colorimetric Assay for Rapid Visual Readout of Phosphatase Activity Based on Gold/Silver Core/Shell Nanorod. ACS Applied Materials & Interfaces, 2014, 6, 18243-18250.	4.0	217
83	Comparison of sample preparation methods for reliable plutonium and neptunium urinalysis using automatic extraction chromatography. Talanta, 2014, 128, 75-82.	2.9	8
84	In-line sequential injection-based hollow-fiber sorptive microextraction as a front-end to gas chromatographyâ€“mass spectrometry: a novel fully automatic sample processing technique for residue analysis. Analytical and Bioanalytical Chemistry, 2013, 405, 8653-8662.	1.9	7
85	On-line speciation analysis of inorganic arsenic in complex environmental aqueous samples by pervaporation sequential injection analysis. Talanta, 2013, 117, 8-13.	2.9	15
86	Integrated Lab-in-Syringe Platform Incorporating a Membraneless Gasâ€“Liquid Separator for Automatic Cold Vapor Atomic Absorption Spectrometry. Analytical Chemistry, 2013, 85, 8968-8972.	3.2	21
87	Automated Microdialysis-Based System for in Situ Microsampling and Investigation of Lead Bioavailability in Terrestrial Environments under Physiologically Based Extraction Conditions. Environmental Science & Technology, 2013, 47, 11668-11675.	4.6	9
88	Pressure-driven mesofluidic platform integrating automated on-chip renewable micro-solid-phase extraction for ultrasensitive determination of waterborne inorganic mercury. Talanta, 2013, 110, 58-65.	2.9	12
89	On-line sample processing involving microextraction techniques as a front-end to atomic spectrometric detection for trace metal assays: A review. Analytica Chimica Acta, 2013, 782, 1-11.	2.6	55
90	Recent trends in automatic dynamic leaching tests for assessing bioaccessible forms of trace elements in solid substrates. TrAC - Trends in Analytical Chemistry, 2013, 45, 67-78.	5.8	33

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91	Elucidation of associations of ash-forming matter in woody biomass residues using on-line chemical fractionation. Fuel, 2013, 107, 192-201.	3.4	3
92	Hybrid flow analyzer for automatic hollow-fiber-assisted ionic liquid-based liquid-phase microextraction with in-line membrane regeneration. Analytical and Bioanalytical Chemistry, 2013, 405, 3279-3288.	1.9	25
93	Bead Injection Extraction Chromatography Using High-Capacity Lab-on-Valve as a Front End to Inductively Coupled Plasma Mass Spectrometry for Urine Radiobioassay. Analytical Chemistry, 2013, 85, 2853-2859.	3.2	27
94	Towards the development of a miniaturized fiberless optofluidic biosensor for glucose. Talanta, 2012, 96, 113-120.	2.9	26
95	Recent advances and future prospects of mesofluidic Lab-on-a-Valve platforms in analytical sciences â€“ A critical review. Analytica Chimica Acta, 2012, 750, 3-15.	2.6	65
96	Extraction and Fractionation Methods for Exposure Assessment of Trace Metals, Metalloids, and Hazardous Organic Compounds in Terrestrial Environments. Critical Reviews in Environmental Science and Technology, 2012, 42, 1117-1171.	6.6	64
97	Automatic dynamic chemical fractionation method with detection by plasma spectrometry for advanced characterization of solid biofuels. Journal of Analytical Atomic Spectrometry, 2012, 27, 841.	1.6	14
98	Carbon nanospheres-promoted electrochemical immunoassay coupled with hollow platinum nanolabels for sensitivity enhancement. Biosensors and Bioelectronics, 2012, 35, 394-400.	5.3	40
99	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
100	High-Throughput Sequential Injection Method for Simultaneous Determination of Plutonium and Neptunium in Environmental Solids Using Macroporous Anion-Exchange Chromatography, Followed by Inductively Coupled Plasma Mass Spectrometric Detection. Analytical Chemistry, 2011, 83, 374-381.	3.2	42
101	Automated flow-based anion-exchange method for high-throughput isolation and real-time monitoring of RuBisCO in plant extracts. Talanta, 2011, 84, 1259-1266.	2.9	3
102	Reliable determination of 237Np in environmental solid samples using 242Pu as a potential tracer. Talanta, 2011, 84, 494-500.	2.9	25
103	Universal approach for mesofluidic handling of bead suspensions in lab-on-valve format. Talanta, 2011, 84, 846-852.	2.9	16
104	Miniaturized optical chemosensor for flow-based assays. Analytical and Bioanalytical Chemistry, 2011, 399, 1381-1387.	1.9	28
105	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
106	An assessment of the ultrasonic probeâ€based enhancement of protein cleavage with immobilized trypsin. Proteomics, 2011, 11, 3866-3876.	1.3	16
107	Rapid isolation of plutonium in environmental solid samples using sequential injection anion exchange chromatography followed by detection with inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2011, 685, 111-119.	2.6	24
108	On-line sorptive preconcentration platform incorporating a readily exchangeable Oasis HLB extraction micro-cartridge for trace cadmium and lead determination by flow injectionâ€“flame atomic absorption spectrometry. Microchemical Journal, 2011, 98, 66-71.	2.3	41

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109	Analytical potential of mesofluidic lab-on-a-valve as a front end to column-separation systems. TrAC - Trends in Analytical Chemistry, 2011, 30, 153-164.	5.8	42
110	On-line simultaneous pre-concentration procedure for the determination of cadmium and lead in drinking water employing sequential multi-element flame atomic absorption spectrometry. International Journal of Environmental Analytical Chemistry, 2011, 91, 1425-1435.	1.8	9
111	Magnetic bead-based fluorescence immunoassay for aflatoxin B1 in food using biofunctionalized rhodamine B-doped silica nanoparticles. Analyst, The, 2010, 135, 2661.	1.7	60
112	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
113	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
114	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
115	In-situ sampling of soil pore water: evaluation of linear-type microdialysis probes and suction cups at varied moisture contents. Environmental Chemistry, 2010, 7, 123.	0.7	26
116	Slurry Samplingâ€"An Analytical Strategy for the Determination of Metals and Metalloids by Spectroanalytical Techniques. Applied Spectroscopy Reviews, 2010, 45, 44-62.	3.4	95
117	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
118	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
119	A multisyringe flow injection Winkler-based spectrophotometric analyzer for in-line monitoring of dissolved oxygen in seawater. Talanta, 2010, 80, 1341-1346.	2.9	10
120	Rapid and simultaneous determination of neptunium and plutonium isotopes in environmental samples by extraction chromatography using sequential injection analysis and ICP-MS. Journal of Analytical Atomic Spectrometry, 2010, 25, 1769.	1.6	54
121	Rapid chemiluminometric determination of gabapentin in pharmaceutical formulations exploiting pulsedâ€flow analysis. Luminescence, 2009, 24, 10-14.	1.5	21
122	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
123	Chemometric tools in electroanalytical chemistry: Methods for optimization based on factorial design and response surface methodology. Microchemical Journal, 2009, 92, 58-67.	2.3	222
124	Determination of plutonium isotopes in waters and environmental solids: A review. Analytica Chimica Acta, 2009, 652, 66-84.	2.6	116
125	Rapid Determination of Plutonium Isotopes in Environmental Samples Using Sequential Injection Extraction Chromatography and Detection by Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2009, 81, 8185-8192.	3.2	55
126	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

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127	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
128	Recent Developments in Flow Injection/Sequential Injection Liquid-Liquid Extraction for Atomic Spectrometric Determination of Metals and Metalloids. Applied Spectroscopy Reviews, 2009, 44, 140-167.	3.4	68
129	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
130	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
131	Recent developments in automatic solid-phase extraction with renewable surfaces exploiting flow-based approaches. TrAC - Trends in Analytical Chemistry, 2008, 27, 749-761.	5.8	63
132	Interfacing Microfluidic Handling with Spectroscopic Detection for Realâ€Life Applications via the Labâ€onâ€Valve Platform: A Review. Applied Spectroscopy Reviews, 2008, 43, 335-357.	3.4	31
133	Pre-concentration procedure for determination of copper and zinc in food samples by sequential multi-element flame atomic absorption spectrometry. Talanta, 2008, 77, 73-76.	2.9	65
134	Multiple Stirred-Flow Chamber Assembly for Simultaneous Automatic Fractionation of Trace Elements in Fly Ash Samples Using a Multisyringe-Based Flow System. Analytical Chemistry, 2008, 80, 7319-7326.	3.2	18
135	Atomic Spectroscopic Detection. Comprehensive Analytical Chemistry, 2008, 54, 375-405.	0.7	1
136	Fractionation and Mobility of Trace Elements in Soils and Sediments. , 2007, , 467-520.		16
137	A multisyringe flow-through sequential extraction system for on-line monitoring of orthophosphate in soils and sediments. Talanta, 2007, 71, 1710-1719.	2.9	16
138	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
139	How flow-injection analysis (FIA) over the past 25 years has changed our way of performing chemical analyses. TrAC - Trends in Analytical Chemistry, 2007, 26, 18-26.	5.8	102
140	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
141	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
142	Flow-through solid-phase reflectometric method for simultaneous multiresidue determination of nitrophenol derivatives. Analytica Chimica Acta, 2007, 600, 155-163.	2.6	40
143	Miniaturization of environmental chemical assays in flowing systems: The lab-on-a-valve approach vis-Ã-vis lab-on-a-chip microfluidic devices. Analytica Chimica Acta, 2007, 600, 46-57.	2.6	83
144	Development of a simple extraction cell with bi-directional continuous flow coupled on-line to ICP-MS for assessment of elemental associations in solid samples. Journal of Environmental Monitoring, 2006, 8, 1248.	2.1	24

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145	On-line dynamic extraction and automated determination of readily bioavailable hexavalent chromium in solid substrates using micro-sequential injection bead-injection lab-on-valve hyphenated with electrothermal atomic absorption spectrometry. Analyst, The, 2006, 131, 132-140.	1.7	44
146	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
147	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
148	The Potentials of the Third Generation of Flow Injection Analysis for Nutrient Monitoring and Fractionation Analysis. Environmental Chemistry, 2006, 3, 26.	0.7	10
149	On-line dynamic fractionation and automatic determination of inorganic phosphorus in environmental solid substrates exploiting sequential injection microcolumn extraction and flow injection analysis. Analytica Chimica Acta, 2006, 570, 224-231.	2.6	18
150	Solid reactors in sequential injection analysis: recent trends in the environmental field. TrAC - Trends in Analytical Chemistry, 2006, 25, 267-281.	5.8	47
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