

# Manuel Miro

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

197  
papers

5,031  
citations

39  
h-index

55  
g-index

415  
ext. papers

5,422  
ext. citations

7  
avg, IF

5.93  
L-index

#	Paper	IF	Citations
197	3D printed spinning cup-shaped device for immunoaffinity solid-phase extraction of diclofenac in wastewaters.. <i>Mikrochimica Acta</i> , <b>2022</b> , 189, 173	5.8	0
196	Real-time monitoring of Metridia luciferase release from cells upon interaction with model toxic substances by a fully automatic flow setup - A proof of concept.. <i>Talanta</i> , <b>2022</b> , 245, 123465	6.2	0
195	Mimicking human ingestion of microplastics: Oral bioaccessibility tests of bisphenol A and phthalate esters under fed and fasted states.. <i>Science of the Total Environment</i> , <b>2022</b> , 826, 154027	10.2	1
194	The emerging role of 3D printing in the fabrication of detection systems. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 136, 116177	14.6	20
193	Microscale extraction versus conventional approaches for handling gastrointestinal extracts in oral bioaccessibility assays of endocrine disrupting compounds from microplastic contaminated beach sand. <i>Environmental Pollution</i> , <b>2021</b> , 272, 115992	9.3	2
192	3D printed permeation module to monitor interaction of cell membrane transporters with exogenic compounds in real-time. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1153, 338296	6.6	1
191	3D printed extraction devices in the analytical laboratory-a case study of Soxhlet extraction. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 4373-4378	4.4	2
190	The embodiment of wastewater data for the estimation of illicit drug consumption in Spain. <i>Science of the Total Environment</i> , <b>2021</b> , 772, 144794	10.2	7
189	Assessing population exposure to phthalate plasticizers in thirteen Spanish cities through the analysis of wastewater. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 401, 123272	12.8	15
188	Scientific Activities for the Engagement of Undergraduate Students in the Separation and Recycling of Waste. <i>Journal of Chemical Education</i> , <b>2021</b> , 98, 454-460	2.4	0
187	An automatic flow-through system for exploration of the human bioaccessibility of endocrine disrupting compounds from microplastics. <i>Analyst, The</i> , <b>2021</b> , 146, 3858-3870	5	2
186	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. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 1	4.4	1
185	Source identification of amphetamine-like stimulants in Spanish wastewater through enantiomeric profiling. <i>Water Research</i> , <b>2021</b> , 206, 117719	12.5	2
184	Human artificial membranes in (bio)analytical science: Potential for in vitro prediction of intestinal absorption-A review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 116446	14.6	2
183	Evidence of high bioaccessibility of gadolinium-contrast agents in natural waters after human oral uptake. <i>Science of the Total Environment</i> , <b>2021</b> , 793, 148506	10.2	1
182	Evaluation of the aluminum migration from metallic seals to coffee beverage after using a high-pressure coffee pod machine. <i>Journal of Food Composition and Analysis</i> , <b>2021</b> , 104, 104131	4.1	1
181	On-line microcolumn-based dynamic leaching method for investigation of lead bioaccessibility in shooting range soils. <i>Chemosphere</i> , <b>2020</b> , 256, 127022	8.4	14

180	On-line sample treatment coupled with atomic spectrometric detection for the determination of trace elements in natural waters. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2020</b> , 35, 643-670	3.7	6
179	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. <i>Science of the Total Environment</i> , <b>2020</b> , 719, 137358	10.2	9
178	High-throughput microscale extraction using ionic liquids and derivatives: A review. <i>Journal of Separation Science</i> , <b>2020</b> , 43, 1890-1907	3.4	11
177	Membrane Enhanced Bioaccessibility Extraction (MEBE) of hydrophobic soil pollutants - Using a semipermeable membrane for separating desorption medium and acceptor solvent. <i>Environmental Pollution</i> , <b>2020</b> , 257, 113470	9.3	2
176	Microextraction approaches for bioanalytical applications: An overview. <i>Journal of Chromatography A</i> , <b>2020</b> , 1616, 460790	4.5	33
175	Cost-Effectiveness Analysis of Chlorine-Based and Alternative Disinfection Systems for Pool Waters. <i>Journal of Environmental Engineering, ASCE</i> , <b>2020</b> , 146, 04019094	2	3
174	In quest of effect directed analysis in the smart laboratory: Automated system for flow-through evaluation of membranotropic effects of emerging contaminants. <i>Talanta</i> , <b>2020</b> , 209, 120600	6.2	1
173	Combining in vitro oral bioaccessibility methods with biological assays for human exposome studies of contaminants of emerging concern in solid samples. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 132, 116040	14.6	5
172	In-vitro prediction of the membranotropic action of emerging organic contaminants using a liposome-based multidisciplinary approach. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 140096	10.2	1
171	In vitro bioaccessibility of metals from tape tea - A low-cost emerging drug. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2020</b> , 62, 126613	4.1	2
170	3D printed fluidic platform with in-situ covalently immobilized polymer monolithic column for automatic solid-phase extraction. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1111, 40-48	6.6	13
169	Combining graphite with hollow-fiber liquid-phase microextraction for improving the extraction efficiency of relatively polar organic compounds. <i>Talanta</i> , <b>2020</b> , 215, 120902	6.2	11
168	Reliable Sensing Platform for Plasmonic Enzyme-Linked Immunosorbent Assays Based on Automatic Flow-Based Methodology. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 13260-13267	7.8	13
167	A flow-based platform hyphenated to on-line liquid chromatography for automatic leaching tests of chemical additives from microplastics into seawater. <i>Journal of Chromatography A</i> , <b>2019</b> , 1602, 160-167 <sup>5</sup>	14.5	21
166	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. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 5739-5746	7.8	5
165	Fully Automated Electric-Field-Driven Liquid Phase Microextraction System with Renewable Organic Membrane As a Front End to High Performance Liquid Chromatography. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 10808-10815	7.8	10
164	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. <i>Science of the Total Environment</i> , <b>2019</b> , 690, 217-225	10.2	4
163	Trends in analytical separations of magnetic (nano)particles. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 114, 89-97	14.6	22

162	Modeling Dispersal of UV Filters in Estuaries. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 1353-1363	6.3	6
161	3D Printing: The Second Dawn of Lab-On-Valve Fluidic Platforms for Automatic (Bio)Chemical Assays. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 1140-1149	7.8	32
160	Lab-on-a-Valve Mesofluidic Platform for On-Chip Handling of Carbon-Coated Titanium Dioxide Nanotubes in a Disposable Microsolid Phase-Extraction Mode. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 4783-4791	7.8	6
159	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. <i>Talanta</i> , <b>2018</b> , 185, 611-619	6.2	30
158	A novel hybrid flow platform for on-line simultaneous dynamic fractionation and evaluation of mercury lability in environmental solids. <i>Talanta</i> , <b>2018</b> , 178, 622-628	6.2	5
157	Opportunities for 3D printed millifluidic platforms incorporating on-line sample handling and separation. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 108, 13-22	14.6	46
156	Where are modern flow techniques heading to?. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 6361-6370	11	24
155	Flow Injection Analysis: Detection Techniques <b>2018</b> , 154-154		
154	Flow Injection Analysis Environmental and Agricultural Applications <b>2018</b> , 164-164		
153	Flow-through dynamic microextraction system for automatic in vitro assessment of chyme bioaccessibility in food commodities. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1026, 51-61	6.6	6
152	A novel on-line organic mercury digestion method combined with atomic fluorescence spectrometry for automatic mercury speciation. <i>Talanta</i> , <b>2018</b> , 189, 220-224	6.2	18
151	On-line monitoring of in-vitro oral bioaccessibility tests as front-end to liquid chromatography for determination of chlorogenic acid isomers in dietary supplements. <i>Talanta</i> , <b>2017</b> , 166, 391-398	6.2	6
150	In-vitro estimation of bioaccessibility of chlorinated organophosphate flame retardants in indoor dust by fasting and fed physiologically relevant extraction tests. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 540-549	10.2	17
149	In vitro oral bioaccessibility and total content of Cu, Fe, Mn and Zn from transgenic (through cp4 EPSPS gene) and nontransgenic precursor/successor soybean seeds. <i>Food Chemistry</i> , <b>2017</b> , 225, 125-131	8.5	18
148	Dynamic flow-through approach to evaluate readily bioaccessible antioxidants in solid food samples. <i>Talanta</i> , <b>2017</b> , 166, 162-168	6.2	6
147	Fully Automatic In-Syringe Magnetic Stirring-Assisted Dispersive Liquid-Liquid Microextraction Hyphenated to High-Temperature Torch Integrated Sample Introduction System-Inductively Coupled Plasma Spectrometer with Direct Injection of the Organic Phase. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3787-3794	7.8	27
146	An automatic flow assembly for on-line dynamic fractionation of trace level concentrations of mercury in environmental solids with high organic load. <i>Analytica Chimica Acta</i> , <b>2017</b> , 975, 1-10	6.6	8
145	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. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 2747-2756	4.4	7

144	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. <i>Talanta</i> , <b>2017</b> , 173, 79-87	6.2	20
143	In-vitro physiologically based extraction of solid materials: Do we have reliable analytical methods for bioaccessibility studies of emerging organic contaminants?. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 91, 42-52	14.6	11
142	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. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12541-12549	7.8	33
141	Towards an automatic lab-on-valve-ion mobility spectrometric system for detection of cocaine abuse. <i>Journal of Chromatography A</i> , <b>2017</b> , 1512, 43-50	4.5	16
140	Dynamic leaching and fractionation of trace elements from environmental solids exploiting a novel circulating-flow platform. <i>Talanta</i> , <b>2016</b> , 148, 617-25	6.2	4
139	Automatic flow-through dynamic extraction: A fast tool to evaluate char-based remediation of multi-element contaminated mine soils. <i>Talanta</i> , <b>2016</b> , 148, 686-93	6.2	7
138	New Insights into the Reliability of Automatic Dynamic Methods for Oral Bioaccessibility Testing: A Case Study for BGS102 soil. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9479-86	10.3	11
137	Glossary of terms used in extraction (IUPAC Recommendations 2016). <i>Pure and Applied Chemistry</i> , <b>2016</b> , 88, 517-558	2.1	23
136	Extraction for analytical scale sample preparation (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2016</b> , 88, 649-687	2.1	29
135	Fluorescent Lipid Nanoparticles as Biomembrane Models for Exploring Emerging Contaminant Bioavailability Supported by Density Functional Theory Calculations. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 7135-43	10.3	4
134	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. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 473-481	3.7	30
133	Fully automatic flow-based device for monitoring of drug permeation across a cell monolayer. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 971-81	4.4	4
132	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. <i>Talanta</i> , <b>2016</b> , 156-157, 71-78	6.2	5
131	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. <i>Analytica Chimica Acta</i> , <b>2016</b> , 939, 1-9	6.6	8
130	Dynamic single-interface hollow fiber liquid phase microextraction of Cr(VI) using ionic liquid containing supported liquid membrane. <i>Talanta</i> , <b>2016</b> , 161, 730-734	6.2	21
129	CocoSoft: educational software for automation in the analytical chemistry laboratory. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 6227-33	4.4	28
128	Hybrid flow system integrating a miniaturized optoelectronic detector for on-line dynamic fractionation and fluorometric determination of bioaccessible orthophosphate in soils. <i>Talanta</i> , <b>2015</b> , 133, 59-65	6.2	12
127	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. <i>Talanta</i> , <b>2015</b> , 133, 120-6	6.2	4

126	Hybrid flow system for automatic dynamic fractionation and speciation of inorganic arsenic in environmental solids. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 2733-40	10.3	9
125	A mesofluidic platform integrating on-chip probe ultrasonication for multiple sample pretreatment involving denaturation, reduction, and digestion in protein identification assays by mass spectrometry. <i>Analyst, The</i> , <b>2014</b> , 139, 992-5	5	3
124	On-chip microsolid-phase extraction in a disposable sorbent format using mesofluidic platforms. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 62, 154-161	14.6	19
123	Programmable flow-based dynamic sorptive microextraction exploiting an octadecyl chemically modified rotating disk extraction system for the determination of acidic drugs in urine. <i>Journal of Chromatography A</i> , <b>2014</b> , 1368, 64-9	4.5	30
122	Automatic kinetic bioaccessibility assay of lead in soil environments using flow-through microdialysis as a front end to electrothermal atomic absorption spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 6282-90	10.3	15
121	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. <i>Analytica Chimica Acta</i> , <b>2014</b> , 842, 1-10	6.6	23
120	High-resolution colorimetric assay for rapid visual readout of phosphatase activity based on gold/silver core/shell nanorod. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 18243-50	9.5	183
119	Comparison of sample preparation methods for reliable plutonium and neptunium urinalysis using automatic extraction chromatography. <i>Talanta</i> , <b>2014</b> , 128, 75-82	6.2	7
118	In-line sequential injection-based hollow-fiber sorptive microextraction as a front-end to gas chromatography-mass spectrometry: a novel fully automatic sample processing technique for residue analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 8653-62	4.4	6
117	On-line speciation analysis of inorganic arsenic in complex environmental aqueous samples by pervaporation sequential injection analysis. <i>Talanta</i> , <b>2013</b> , 117, 8-13	6.2	13
116	Integrated lab-in-syringe platform incorporating a membraneless gas-liquid separator for automatic cold vapor atomic absorption spectrometry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8968-72	7.8	19
115	Automated microdialysis-based system for in situ microsampling and investigation of lead bioavailability in terrestrial environments under physiologically based extraction conditions. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11668-75	10.3	8
114	Pressure-driven mesofluidic platform integrating automated on-chip renewable micro-solid-phase extraction for ultrasensitive determination of waterborne inorganic mercury. <i>Talanta</i> , <b>2013</b> , 110, 58-65	6.2	11
113	On-line sample processing involving microextraction techniques as a front-end to atomic spectrometric detection for trace metal assays: a review. <i>Analytica Chimica Acta</i> , <b>2013</b> , 782, 1-11	6.6	53
112	Recent trends in automatic dynamic leaching tests for assessing bioaccessible forms of trace elements in solid substrates. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 45, 67-78	14.6	30
111	Elucidation of associations of ash-forming matter in woody biomass residues using on-line chemical fractionation. <i>Fuel</i> , <b>2013</b> , 107, 192-201	7.1	3
110	Hybrid flow analyzer for automatic hollow-fiber-assisted ionic liquid-based liquid-phase microextraction with in-line membrane regeneration. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 3279-88	4.4	24
109	Bead injection extraction chromatography using high-capacity lab-on-valve as a front end to inductively coupled plasma mass spectrometry for urine radiobioassay. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 2853-9	7.8	25

108	Carbon nanospheres-promoted electrochemical immunoassay coupled with hollow platinum nanolabels for sensitivity enhancement. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 394-400	11.8	37
107	Towards the development of a miniaturized fiberless optofluidic biosensor for glucose. <i>Talanta</i> , <b>2012</b> , 96, 113-20	6.2	25
106	Recent advances and future prospects of mesofluidic lab-on-a-valve platforms in analytical sciences--a critical review. <i>Analytica Chimica Acta</i> , <b>2012</b> , 750, 3-15	6.6	57
105	Extraction and Fractionation Methods for Exposure Assessment of Trace Metals, Metalloids, and Hazardous Organic Compounds in Terrestrial Environments. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2012</b> , 42, 1117-1171	11.1	57
104	Automatic dynamic chemical fractionation method with detection by plasma spectrometry for advanced characterization of solid biofuels. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2012</b> , 27, 841	3.7	12
103	Automated flow-based anion-exchange method for high-throughput isolation and real-time monitoring of RuBisCO in plant extracts. <i>Talanta</i> , <b>2011</b> , 84, 1259-66	6.2	3
102	Reliable determination of <sup>237</sup> Np in environmental solid samples using <sup>242</sup> Pu as a potential tracer. <i>Talanta</i> , <b>2011</b> , 84, 494-500	6.2	22
101	Universal approach for mesofluidic handling of bead suspensions in lab-on-valve format. <i>Talanta</i> , <b>2011</b> , 84, 846-52	6.2	13
100	Microdialysis in Environmental Monitoring <b>2011</b> , 509-530		2
99	Miniaturized optical chemosensor for flow-based assays. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 1381-7	4.4	28
98	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> , <b>2011</b> , 400, 2217-27	4.4	21
97	An assessment of the ultrasonic probe-based enhancement of protein cleavage with immobilized trypsin. <i>Proteomics</i> , <b>2011</b> , 11, 3866-76	4.8	15
96	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> , <b>2011</b> , 83, 5237-44	7.8	44
95	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. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 374-81	7.8	30
94	Rapid isolation of plutonium in environmental solid samples using sequential injection anion exchange chromatography followed by detection with inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2011</b> , 685, 111-9	6.6	19
93	On-line sorptive preconcentration platform incorporating a readily exchangeable Oasis HLB extraction micro-cartridge for trace cadmium and lead determination by flow injection flame atomic absorption spectrometry. <i>Microchemical Journal</i> , <b>2011</b> , 98, 66-71	4.8	41
92	Analytical potential of mesofluidic lab-on-a-valve as a front end to column-separation systems. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2011</b> , 30, 153-164	14.6	35
91	On-line simultaneous pre-concentration procedure for the determination of cadmium and lead in drinking water employing sequential multi-element flame atomic absorption spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2011</b> , 91, 1425-1435	1.8	8

90	In-situ sampling of soil pore water: evaluation of linear-type microdialysis probes and suction cups at varied moisture contents. <i>Environmental Chemistry</i> , <b>2010</b> , 7, 123	3.2	21
89	Slurry Sampling—An Analytical Strategy for the Determination of Metals and Metalloids by Spectroanalytical Techniques. <i>Applied Spectroscopy Reviews</i> , <b>2010</b> , 45, 44-62	4.5	82
88	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> , <b>2010</b> , 82, 3052-60	7.8	40
87	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> , <b>2010</b> , 25, 1717	3.7	19
86	A multisyringe flow injection Winkler-based spectrophotometric analyzer for in-line monitoring of dissolved oxygen in seawater. <i>Talanta</i> , <b>2010</b> , 80, 1341-6	6.2	9
85	Rapid and simultaneous determination of neptunium and plutonium isotopes in environmental samples by extraction chromatography using sequential injection analysis and ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2010</b> , 25, 1769	3.7	42
84	Magnetic bead-based fluorescence immunoassay for aflatoxin B1 in food using biofunctionalized rhodamine B-doped silica nanoparticles. <i>Analyst, The</i> , <b>2010</b> , 135, 2661-7	5	57
83	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> , <b>2010</b> , 397, 77-86	4.4	35
82	Fluidized-bed column method for automatic dynamic extraction and determination of trace element bioaccessibility in highly heterogeneous solid wastes. <i>Analytica Chimica Acta</i> , <b>2010</b> , 658, 41-8	6.6	18
81	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> , <b>2010</b> , 1217, 3575-82	4.5	45
80	Rapid chemiluminometric determination of gabapentin in pharmaceutical formulations exploiting pulsed-flow analysis. <i>Luminescence</i> , <b>2009</b> , 24, 10-4	2.5	16
79	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> , <b>2009</b> , 394, 337-49	4.4	19
78	Chemometric tools in electroanalytical chemistry: Methods for optimization based on factorial design and response surface methodology. <i>Microchemical Journal</i> , <b>2009</b> , 92, 58-67	4.8	189
77	Determination of plutonium isotopes in waters and environmental solids: A review. <i>Analytica Chimica Acta</i> , <b>2009</b> , 652, 66-84	6.6	96
76	Rapid determination of plutonium isotopes in environmental samples using sequential injection extraction chromatography and detection by inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 8185-92	7.8	47
75	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> , <b>2009</b> , 79, 1081-8	6.2	18
74	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> , <b>2009</b> , 81, 4822-30	7.8	44
73	Recent Developments in Flow Injection/Sequential Injection Liquid-Liquid Extraction for Atomic Spectrometric Determination of Metals and Metalloids. <i>Applied Spectroscopy Reviews</i> , <b>2009</b> , 44, 140-167	4.5	60



72	Interfacing Microfluidic Handling with Spectroscopic Detection for Real-Life Applications via the Lab-on-Valve Platform: A Review. <i>Applied Spectroscopy Reviews</i> , <b>2008</b> , 43, 335-357	4.5	31
71	Pre-concentration procedure for determination of copper and zinc in food samples by sequential multi-element flame atomic absorption spectrometry. <i>Talanta</i> , <b>2008</b> , 77, 73-6	6.2	60
70	Multiple stirred-flow chamber assembly for simultaneous automatic fractionation of trace elements in fly ash samples using a multisyringe-based flow system. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 7319-26	7.8	14
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