

# FIA Bibliography (40)

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FIA-related papers and monographs which appeared since 1984 have been compiled in this bibliography. All papers are numbered in series and shown with the titles in English.

7109. FIA Bibliography (39)  
Ukeda, H.  
*J. Flow Injection Anal.*, **20**, 88-96 (2003).
7110. Electroimmobilization of MAO into a polypyrrole film and its utilization for amperometric flow detection of antidepressant drugs  
Vela, M. H.; de Jesus, D. S.; Couto, C. M. C. M.; Araujo, A. N.; Montenegro, M. C. B. S. M.  
*Electroanalysis*, **15**, 133-138 (2003).
7111. Determination of caffeine using oscillating chemical reaction in a CSTR  
Gao, J.; Ren, J.; Yang, W.; Liu, X.-H.; Yang, H.  
*J. Pharm. Biomed. Anal.*, **32**, 393-400 (2003).
7112. Analyser of chromium and/or cobalt  
Tortajada-Genaro, L. A.; Campins-Falco, P.; Bosch-Reig, F.  
*Anal. Chim. Acta*, **488**, 243-254 (2003).
7113. A flow immunoassay for alkylphenol ethoxylate surfactants and their metabolites - questions associated with cross-reactivity, matrix effects, and validation by chromatographic techniques  
Badea, M.; Nistor, C.; Goda, Y.; Fujimoto, S.; Dosho, S.; Danet, A.; Barcelo, D.; Ventura, F.; Emneus, J.  
*Analyst*, **128**, 849-856 (2003).
7114. Application of flowing stream techniques to water analysis. Part I. Ionic species: dissolved inorganic carbon, nutrients and related compounds  
Miro, M.; Estela, J. M.; Cerda, V.  
*Talanta*, **60**, 867-886 (2003).
7115. Static pressurized liquid extraction of nitrated polycyclic aromatic hydrocarbons from soils with on-line filtration-preconcentration prior to gas chromatography-mass spectrometry detection  
Luque-Garcia, J. L.; Luque de Castro, M. D.  
*Analyst*, **128**, 980-985 (2003).
7116. Application of a flow-type antibody sensor to the detection of *Escherichia coli* in various foods  
Kim, N.; Park, I.-S.  
*Biosens. Bioelectron.*, **18**, 1101-1107 (2003).
7117. Development of a poly(dimethylsiloxane) interface for on-line capillary column liquid chromatography-capillary electrophoresis coupled to sheathless electrospray ionization time-of-flight mass spectrometry  
Bergstroem, S. K.; Samskog, J.; Markides, K. E.  
*Anal. Chem.*, **75**, 5461-5467 (2003).
7118. A microfluidic electrocapture device in sample preparation for protein analysis by MALDI mass spectrometry  
Astorga-Wells, J.; Joernvall, H.; Bergman, T.  
*Anal. Chem.*, **75**, 5213-5219 (2003).
7119. Exploiting the bead-injection approach in the integrated sequential injection lab-on-valve format using hydrophobic packing materials for on-line matrix removal and preconcentration of trace levels of cadmium in environmental and biological samples via formation of non-charged chelates prior to ETAAS detection  
Miro, M.; Jonczyk, S.; Wang, J.; Harald Hansen, E.  
*J. Anal. At. Spectrom.*, **18**, 89-98 (2003).
7120. Simultaneous determination of the monoamine neurotransmitters and glucose in rat brain by microdialysis sampling coupled with liquid chromatography-dual electrochemical detector  
Zhang, W.; Cao, X.; Xie, Y.; Ai, S.; Jin, L.; Jin, J.  
*J. Chromatogr. B*, **785**, 327-336 (2003).
7121. Gallium trace on-line preconcentration/separation and determination using a polyurethane foam mini-column and flame atomic absorption spectrometry. Application in aluminum alloys, natural waters and urine  
Anthemidis, A. N.; Zachariadis, G. A.; Stratis, J. A.  
*Talanta*, **60**, 929-936 (2003).
7122. Spectrophotometric flow-injection analysis of mercury(II) in pharmaceuticals with p-nitrobenzoxosulfamate  
Andac, M.; Asan, A.; Bekdemir, Y.; Kutuk, H.; Isildak, I.  
*Talanta*, **60**, 191-197 (2003).
7123. Determination of potassium ions in pharmaceutical samples by FIA using a potentiometric electrode based on ionophore nonactin occluded in EVA membrane  
Garcia, C. A. B.; Rover Junior, L.; de Oliveira Neto, G.  
*J. Pharm. Biomed. Anal.*, **31**, 11-18 (2003).
7124. Flow injection spectrophotometric determination of acid volatile sulfide in sediments  
Xia, C.; He, X.; Shi, H.  
*Fenxi Huaxue*, **31**, 767 (2003).
7125. Electrochemiluminescence Enzyme Immunoassays for TNT and Pentaerythritol Tetranitrate  
Wilson, R.; Clavering, C.; Hutchinson, A.  
*Anal. Chem.*, **75**, 4244-4249 (2003).
7126. Single biosensor immunoassay for the detection of five aminoglycosides in reconstituted skimmed milk  
Haasnoot, W.; Cazemier, G.; Koets, M.; van Amerongen, A.  
*Anal. Chim. Acta*, **488**, 53-60 (2003).
7127. Fluidic preconcentrator device for capillary electrophoresis of proteins  
Astorga-Wells, J.; Swerdlow, H.  
*Anal. Chem.*, **75**, 5207-5212 (2003).
7128. Sensor and biosensor based on Prussian Blue modified gold and platinum screen printed electrodes  
Luiz de Mattos, I.; Gorton, L.; Ruzgas, T.  
*Biosens. Bioelectron.*, **18**, 193-200 (2003).
7129. Optical biosensor for urea with improved response time  
Kovacs, B.; Nagy, G.; Dombi, R.; Toth, K.  
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7130. Flow-injection-type biosensor system for salivary amylase activity

- Yamaguchi, M.; Kanemaru, M.; Kanemori, T.; Mizuno, Y.  
*Biosens. Bioelectron.*, **18**, 835-840 (2003).
7131. Multi-element speciation of metalloproteins in fish tissue using size-exclusion chromatography coupled "on-line" with ICP-isotope dilution-time-of-flight-mass spectrometry  
Goenaga Infante, H.; Van Campenhout, K.; Schaumloeffel, D.; Blust, R.; Adams, F. C.  
*Analyst*, **128**, 651-657 (2003).
7132. Flow injection chemiluminescence determination of epinephrine using epinephrine-imprinted polymer as recognition material  
Du, J.; Shen, L.; Lu, J.  
*Anal. Chim. Acta*, **489**, 183-189 (2003).
7133. Adduct formation in electrospray ionization mass spectrometry II. Benzoic acid derivatives  
Schug, K.; McNair, H. M.  
*J. Chromatogr., A*, **985**, 531-539 (2003).
7134. Powder dispensing robot for sample preparation  
Fermier, A. M.; Troisi, J.; Heritage, E. C.; Drexel, M. A.; Gallea, P.; Swinney, K. A.  
*Analyst*, **128**, 790-795 (2003).
7135. Monitoring nano-flow rate of water by atomic emission detection using helium radio-frequency plasma  
Nakagama, T.; Maeda, T.; Uchiyama, K.; Hobo, T.  
*Analyst*, **128**, 543-546 (2003).
7136. A simple and selective flow-injection spectrophotometric determination of copper(II) by using acetylsalicylhydroxamic acid  
Asan, A.; Isildak, I.; Andac, M.; Yilmaz, F.  
*Talanta*, **60**, 861-866 (2003).
7137. Subnanogram sensitive multimetal detector with atmospheric electrolyte cathode glow discharge  
Cserfalvi, T.; Mezei, P.  
*J. Anal. At. Spectrom.*, **18**, 596-602 (2003).
7138. Simple resolution of butylated hydroxyanisole and n-propyl gallate in fatty foods and cosmetics samples by flow-injection solid-phase spectrophotometry  
Capitan-Vallvey, L. F.; Valencia, M. C.; Nicolas, E. A.  
*J. Food Sci.*, **68**, 1595-1599 (2003).
7139. Simple and rapid determination of N-methylcarbamate pesticides in citrus fruits by electrospray ionization tandem mass spectrometry  
Goto, T.; Ito, Y.; Oka, H.; Saito, I.; Matsumoto, H.; Nakazawa, H.  
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7140. Hydride generation system combined with inductively coupled plasma mass spectrometry  
Liu, X.; Liu, G.; Gao, Z.; Pan, Y.; Zheng, Y.; Tong, J.  
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7141. Determination of iodide by step-flow injection-catalytic atomic fluorescence spectrometry  
Jiang, N.  
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7142. Development of FIA equipped with a chemiluminescence detector using a mixed reagent of luminol and 1,10-phenanthroline  
Tsukagoshi, K.; Tahira, M.; Nakajima, R.  
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7143. Flow injection potentiometry by a new coated graphite ion-selective electrode for the determination of Pb<sup>2+</sup>  
Karami, H.; Mousavi, M. F.; Shamsipur, M.  
*Talanta*, **60**, 775-786 (2003).
7144. Ultra-simple adaptor to convert batch cells with mercury drop electrodes in voltammetric detectors for flow analysis  
Pedrotti, J. J.; Gutz, I. G. R.  
*Talanta*, **60**, 695-705 (2003).
7145. Selective determination of Sb(III) in drugs by flow injection hydride generation AAS  
Flores, E. M. de M. P.; Favero R.; Barcellos da Silva, F. E.; Pompeu de Moraes, D.; Paniz, J. N. G.; Pereira dos Santos, E.; Dressler, V. L.; Bittencourt, C. F.  
*At. Spectrosc.*, **24**, 15-21 (2003).
7146. Ultrasound-assisted continuous liquid-liquid extraction without phase separation and hydrolysis of paracetamol in suppositories  
Priego-Capote, F.; Luque de Castro, M. D.  
*Anal. Chim. Acta*, **489**, 223-232 (2003).
7147. Determination of dipyrone in pharmaceutical products by flow injection analysis with potentiometric detection  
Albuquerque, J. S.; Silva, V. L.; Lima, F.; Araujo, A. N.; Montenegro, M. C. B. S. M.  
*Anal. Sci.*, **19**, 691-694 (2003).
7148. Flow injection chemiluminescence determination of thiol-containing drugs based on a quinine-sensitized permanganate reaction  
Li, Y.; Zhang, A.; Du, J.; Lu, J.  
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7149. Simple method of paroxetine determination using a single channel FIA with no in-line reaction process  
Altiokka, G.; Kircali, K.  
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7150. Flow-injection determination of ornidazole by chemiluminescence detection based on a luminol-ferricyanide reaction  
Yi, L.; Zhang, Z.; He, D.; Hu, Y.  
*Anal. Sci.*, **19**, 625-627 (2003).
7151. Chemiluminescence assay of promethazine hydrochloride using acidic permanganate employing flow injection mode operated with syringe and peristaltic pumps  
Sultan, S. M.; Hassan, Y. A. M.; Abulkibash, A. M.  
*Talanta*, **59**, 1073-1080 (2003).
7152. Simultaneous Determination of Paracetamol, Caffeine and Propyphenazone in Pharmaceuticals by Means of a Single Flow-Through UV Multiparameter Sensor  
Dominguez Vidal, A.; Ortega Barrales, P.; Molina Diaz, A.  
*Mikrochim. Acta*, **141**, 157-163 (2003).
7153. On-line solid phase extraction preconcentration of ultratrace amounts of zinc in fractionated soil samples for determination by flow injection flame AAS  
Preetha, C. R.; Biju, V. M.; Rao, T. P.  
*At. Spectrosc.*, **24**, 118-124 (2003).
7154. Advantages of soft versus hard constraints in self-modeling curve resolution problems. Alternating least squares with penalty functions  
Gemperline, P. J.; Cash, E.  
*Anal. Chem.*, **75**, 4236-4243 (2003).
7155. Sub-picogram determination of Vitamin B12 in pharmaceuticals and human serum using flow injection with chemiluminescence detection  
Song, Z.; Hou, S.  
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7156. On-line microdialysis sampling coupled with flow injection electrothermal atomic absorption spectrometry for in vivo monitoring of extracellular manganese in brains of living rats  
Tseng, W.-C.; Sun, Y.-C.; Yang, M.-H.; Chen, T.-P.; Lin, T.-H.; Huang, Y.-L.  
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Nie, F.; Wu, Y.; Lu, Q.  
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Garrido, J. M. P. J.; Delerue-Matos, C.; Borges, F.; Macedo, T. R. A.; Oliveira-Brett, A. M.  
*Anal. Lett.*, **36**, 577-590 (2003).
7159. A flow injection sensor for simultaneous determination of sulfamethoxazole and trimethoprim by using Sephadex SP C-25 for continuous on-line separation and solid phase UV transduction  
Fernandez de Cordova, M. L.; Ortega Barrales, P.; Rodriguez Torne, G.; Molina Diaz, A.  
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7160. Determination of noradrenaline and dopamine in pharmaceutical injection samples by inhibition flow injection electrochemiluminescence of ruthenium complexes  
Li, F.; Pang, Y.-Q.; Lin, X.-Q.; Cui, H.  
*Talanta*, **59**, 627-636 (2003).
7161. Flow-through bulk optode for the fluorimetric determination of perchlorate  
Ortuno, J. A.; Albero, M. I.; Garcia, M. S.; Sanchez-Pedreno, C.; Garcia, M. I.; Exposito, R.  
*Talanta*, **60**, 563-569 (2003).
7162. Simultaneous determination of methylene blue and new methylene blue by slab optical waveguide spectroscopy and artificial neural networks  
Sun, L.-X.; Reddy, A. M.; Matsuda, N.; Takatsu, A.; Kato, K.; Okada, T.  
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7163. Continuous ultrasound-assisted extraction coupled to on line filtration-solid-phase extraction-column liquid chromatography-post column derivatisation-fluorescence detection for the determination of N-methylcarbamates in soil and food  
Caballo-Lopez, A.; Luque de Castro, M. D.  
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7164. Fluorometric sensors based on chemically modified enzymes. Glucose determination in drinks  
Sanz, V.; Galban, J.; de Marcos, S.; Castillo, J. R.  
*Talanta*, **60**, 415-423 (2003).
7165. Application of photoionizable crowned spirobenzopyrans to flow-injection extraction-spectrophotometry for lithium ion  
Nakamura, M.; Fujioka, T.; Sakamoto, H.; Kimura, K.  
*Bunseki Kagaku*, **52**, 419-424 (2003).
7166. Flow injection-chemiluminescence determination of propranolol in pharmaceutical preparations  
Townshend, A.; Murillo Pulgarin, J. A.; Alanon Pardo, M. T.  
*Anal. Chim. Acta*, **488**, 81-88 (2003).
7167. Voltammetric and flow amperometric methods for the determination of melatonin in pharmaceuticals  
Corujo-Antuna, J. L.; Abad-Villar, E. M.; Fernandez-Abedul, M. T.; Costa-Garcia, A.  
*J. Pharm. Biomed. Anal.*, **31**, 421-429 (2003).
7168. Reverse flow-injection manifold for spectrofluorimetric determination of aluminum in drinking water  
Albendin, G.; Manuel-Vez, M. P.; Moreno, C.; Garcia-Vargas, M.  
*Talanta*, **60**, 425-431 (2003).
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Ortega-Algar, S.; Ramos-Martos, N.; Molina-Diaz, A.  
*Talanta*, **60**, 313-323 (2003).
7170. Influence of water sample storage protocols in chemiluminescence detection of trace elements  
Moliner-Martinez, Y.; Meseguer-Lloret, S.; Tortajada-Genaro, L. A.; Campins-Falco, P.  
*Talanta*, **60**, 257-268 (2003).
7171. An on-line galvanic cell-generated electrochemiluminescence and flow injection determination of calcium in milk and vegetables  
Lu, J.; Zhang, Z.; Luo, L.  
*Anal. Sci.*, **19**, 883-886 (2003).
7172. Characterization of graphite electrodes modified with laccase from *Trametes versicolor* and their use for bioelectrochemical monitoring of phenolic compounds in flow injection analysis  
Haghighi, B.; Gorton, L.; Ruzgas, T.; Jonsson, L. J.  
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Mandalakis, M.; Gustafsson, O.  
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Fan, J.; Chen, Y.; Feng, S.; Ye, C.; Wang, J.  
*Anal. Sci.*, **19**, 419-422 (2003).
7175. Online liquid membrane enrichment-flow injection-spectrophotometric determination of volatile phenols in water  
Liu, R.; Li, J.  
*Fenxi Huaxue*, **31**, 594-597 (2003).
7176. Permselective properties of electropolymerized guaiacol derivatives  
Milczarek, G.; Ciszewski, A.  
*Electroanalysis*, **15**, 529-532 (2003).
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Gao, Q.; Ma, Y.; Cheng, Z.; Wang, W.; Yang, X.  
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7178. Mobile phase compensation to improve NMR spectral properties during solvent gradients  
Jayawickrama, D. A.; Wolters, A. M.; Sweedler, J. V.  
*Analyst*, **128**, 421-426 (2003).
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*Bunseki Kagaku*, **52**, 527-532 (2003).
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Lasztity, A.; Kelko-Levai, A.; Zih-Perenyi, K.; Varga, I.  
*Talanta*, **59**, 393-398 (2003).
7181. Micelle-mediated spectrofluorimetric determination of ampicillin based on metal ion-catalysed hydrolysis  
Fernandez-Gonzalez, A.; Badia, R.; Diaz-Garcia, M. E.  
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7182. Novel flow injection spectrophotometric determination of fosinopril using UV-assisted digestion and an orthophosphates calibration graph  
Tzanavaras, P. D.; Themelis, D. G.  
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7183. Determination of thiamine in pharmaceutical preparations by sequential injection renewable surface solid-phase spectrofluorometry  
Zhu, H.; Chen, H.; Zhou, Y.  
*Anal. Sci.*, **19**, 289-294 (2003).
7184. Trace humic and fulvic acid determination in natural water by cloud point extraction/preconcentration using non-ionic and cationic surfactants with FI-UV detection  
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Wilson, R.; Clavering, C.; Hutchinson, A.  
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Liu, L.; Song, G.; Liu, L.; Fang, G.  
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Milani, M. R.; Stradiotto, N. R.; Cardoso, A. A.  
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Tzanavaras, P. D.; Themelis, D. G.  
*Talanta*, **59**, 207-213 (2003).
7189. Application of sequential injection-monosegmented flow analysis (SI-MSFA) to spectrophotometric determination of sulfide in simulated waters samples  
Silva, M. S. P.; Galhardo, C. X.; Masini, J. C.  
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7190. Selective determination of amino acids using flow injection analysis coupled with chemiluminescence detection  
Costin, J. W.; Francis, P. S.; Lewis, S. W.  
*Anal. Chim. Acta*, **480**, 67-77 (2003).
7191. Liquid-liquid extraction procedure exploiting multicommution in flow system for the determination of molybdenum in plants  
Comitre, A. L. D.; Reis, B. F.  
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7192. Valves and flow injection manifolds: an excellent marriage with unlimited versatility  
Prados-Rosales, R. C.; Luque-Garcia, J. L.; Luque de Castro, M. D.  
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Satienderakul, S.; Sheikheldin, S. Y.; Cardwell, T. J.; Cattrall, R. W.; Luque de Castro, M. D.; McKelvie, I. D.; Kolev, S. D.  
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7194. Potentiometric flow injection determination of manganese(II) by using a hexacyanoferrate(III)-hexacyanoferrate(II) potential buffer  
Ohura, H.; Ishibashi, Y.; Imato, T.; Yamasaki, S.  
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Watanabe, K.; Watanabe, T.; Itagaki, M.  
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Ruedas Rama, M. J.; Ruiz Medina, A.; Molina Diaz, A.  
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7197. Isocratic ion chromatographic determination of underivatized amino acids by electrochemical detection  
Casella, I. G.; Contursi, M.  
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Diaz-Garcia, J.; Costa-Fernandez, J. M.; Bordel, N.; Pereiro, R.; Sanz-Medel, A.  
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Nova, A.; Catala Icardo, M.; Martinez Calatayud, J.  
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Rueda, M. E.; Sarabia, L. A.; Herrero, A.; Ortiz, M. C.  
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Asan, A.; Andac, M.; Isildak, I.  
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Wang, K.; Xu, L.; Yao, M.  
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Ikeda, M.; Toda, K.  
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