

## FIA Bibliography(17)

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FIA-related papers and FIA monographs appeared since 1984 have been compiled in this FIA bibliography section. About 2,160 papers and eight monographs were listed in the previous section (refs. 226-228, 342, 501, 598, 771, 953, 1100, 1248, 1445, 1594, 1786, 1924, 2055, and 2158). All papers in this section are numbered in series and shown with the titles in English. The readers are requested to send me the reprints of their FIA-related papers that have not yet been listed in this section.

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2158. FIA Bibliography(16)  
Y. Baba, *J. Flow Injection Anal.*, **8**, 183(1991).
2159. Quantitation of DNA and RNA in crude tissue extracts by flow injection analysis  
E.M. Caldarone and L.J. Buckley, *Anal. Biochem.*, **199**, 137(1991).
2160. A semiautomated flow injection procedure for acetylcholinesterase and cholinesterase activities  
I.L. Garcia, F.R. Abellan, and M.H. Cordoba, *Anal. Biochem.*, **200**, 176(1992).
2161. Determination of organophosphorous and carbamate insecticides by flow injection analysis  
S. Kumaran and C. Tran-Minh, *Anal. Biochem.*, **200**, 187(1992).
2162. Nitroprusside and Methylene blue methods for silicone membrane differentiated flow injection determination of sulfide in water and wastewater  
V. Kuban, P.K. Dasgupta, and J.N. Marx, *Anal. Chem.*, **64**, 36(1992).
2163. Enzymatic flow injection analysis in nonaqueous media  
L. Braco, J.A. Darous, and M. de la Guardia, *Anal. Chem.*, **64**, 129(1992).
2164. Determination of chlorite and chlorate in chlorinated and chloraminated drinking water by flow injection analysis and ion chromatography  
A.M. Dietrich, T.D. Ledder, D.L. Gallagher, M.N. Grabeel, and R.C. Hoehn, *Anal. Chem.*, **64**, 496(1992).
2165. Flow injection cytoanalysis  
J. Rusicka and W. Lindberg, *Anal. Chem.*, **64**, 537A(1992).
2166. Pulsed sample introduction interface for combining flow injection analysis with multiphoton ionization time-of-flight mass spectrometry  
A.P.L. Wang and L. Li, *Anal. Chem.*, **64**, 769(1992).
2167. Universal sandwich membrane cell and detector for optical flow injection analysis

- J.L.P. Pavon, E.R. Gonzalo, G.D. Christian, and J. Ruzicka, *Anal. Chem.*, **64**, 923(1992).
2168. Mathematical modelling of single-line flow-injection analysis systems with single-layer enzyme electrode detection Part 3. Experimental verification of the model  
S.D. Kolev, G. Nagy, and E. Pungor, *Anal. Chim. Acta.*, **254**, 167(1992).
2169. Mathematical modelling of two-analyte sequential determinations by flow-injection sandwich techniques  
J.L. Montesinos, J. Alonso, M. Del Valle, J.L.F.C. Lima, and M. Poch, *Anal. Chim. Acta.*, **254**, 177(1991).
2170. Rapid screening of porphyrins using flow-injection analysis and visible laser fluorimetry  
C.W. Hui, J.H. Aiken, and W.R. Williams, *Anal. Chim. Acta.*, **254**, 189(1991).
2171. Flow-injection spectrophotometric determination of phosphate using Crystal Violet  
D.T. Burns, D. Chimpalee, N. Chimpalee, and S. Ittipornkul, *Anal. Chim. Acta.*, **254**, 197(1991).
2172. Design and optimization of a flow-injection system for enzymatic determination of galactose  
K.S. Kurtz and S.R. Crouch, *Anal. Chim. Acta.*, **254**, 201(1991).
2173. Confluent mixing efficiency in flow-injection systems  
T.L. Spinks, G.E. Pacey, and I. Fabian, *Anal. Chim. Acta.*, **254**, 209(1991).
2174. Fluorimetric determination of potassium ion using hexadecyl-acridine orange immobilized on a poly(vinyl chloride) membrane attached to a flow-through cell  
Y. Kawabata, T. Imasaka, N. Ishibashi, *Anal. Chim. Acta.*, **255**, 97(1991).
2175. Solute focusing in flow-injection systems: effect of solute capacity factor and position of solute-focusing column  
B.F. Johnson, J. Bramlage, and J.G. Dorsey, *Anal. Chim. Acta.*, **255**, 127(1991).
2176. Batchwise and flow-injection methods for thermo-spectrophotometric determination of acetylcholine and choline with tetrabromophenolphthalein ethyl ester  
T. Dakai, Y.-H. Gao, N. Ohno, and N. Ura, *Anal. Chim. Acta.*, **255**, 135(1991).
2177. Determination of pH gradients and acidity constants in flow-injection analysis systems by evolving factor analysis  
L. Norgaard, *Anal. Chim. Acta.*, **255**, 143(1991).
2178. Study of the Mo(VI) catalytic response in the oxidation of iodide by hydrogen peroxide using a monosegmented continuous-flow system  
J.C. De Andrade, S.P. Eiras, and R.E. Bruns, *Anal. Chim. Acta.*, **255**, 149(1991).
2179. Flow injection determination of zinc by fluorescence spectrometry

- R. Compano, S. Hernandez-Cassou, M.D. Prat, and L. Garcia-Beltran, *Anal. Chim. Acta.*, **255**, 325(1991).
2180. Membrane-type immobilized enzyme reactors for use in flow injection analysis  
S. Cliffe, C. Filippini, M. Schneider, and M. Fawer, *Anal. Chim. Acta.*, **256**, 53(1992).
2181. Photochemical derivatization and spectrofluorimetric determination of chlorpromazine by flow injection  
J.M. Calatayud and C.G. Benito, *Anal. Chim. Acta.*, **256**, 105(1992).
2182. Flow-injection spectrophotometric determination of palladium with DCS-arsenazo  
X.-C. He, Y.-Q. Cai, and Z.-D. Hu, *Anal. Chim. Acta.*, **256**, 113(1992).
2183. Flow-injection analysis for aluminium with indirect amperometric detection  
A.J. Downard, H.K.J. Powell, and S. Xu, *Anal. Chim. Acta.*, **256**, 117(1992).
2184. Flow-injection determination of L-glutamate in serum with an immobilized glutamate dehydrogenase reactor  
N. Kiba, T. Moriya, and M. Furusawa, *Anal. Chim. Acta.*, **256**, 221(1992).
2185. Use of flow injection in the study of micellar interactions  
M.De la Guardia and E. Peris-Cardells, *Anal. Chim. Acta.*, **256**, 225(1992).
2186. Flow-injection amperometric detection of hydrazine by electrocatalytic oxidation at a prussian blue film-modified electrode  
W. Hou and E. Wang, *Anal. Chim. Acta.*, **257**, 275(1992).
2187. Analytical balance as a detector in flow analysis  
A.O. Jacintho, M.A.Z. Arruda, E.A.G. Zagatto, and B.F. Reis, *Anal. Chim. Acta.*, **258**, 129(1992).
2188. Bubble-through flow cell for rapid continuous-flow analysis with ion-selective electrodes  
J.A. Borzitsky, A.V. Dvinin, O.M. Petrukhin, and Yu.I. Urusov, *Anal. Chim. Acta.*, **258**, 135(1992).
2189. Improved spectrophotometric determination of lactose in milk using flow-injection analysis  
D. Narinesingh, V.A. Stoute, G. Davis, D. Persad, and T.T. Ngo, *Anal. Chim. Acta.*, **258**, 141(1992).
2190. Determination of trace elements in sea water by flow-injection anodic stripping voltammetry preceded by immobilized quinolin-8-ol silica gel preconcentration  
B.-J. Daih and H.-J. Huang, *Anal. Chim. Acta.*, **258**, 245(1992).
2191. Rapid pk measurements for multibasic weak acids by gradient flow injection titration  
D.R. Turner, M.M. Correia dos Santos, P. Coutinho, M. De Lurdes Goncalves, and S. Knox, *Anal. Chim. Acta.*, **258**, 259(1992).
2192. Simultaneous flow-injection determination of o- and p-nitrophenol using a photodiode-array detector

- M.E. Leon-Gonzalez, L.V. Perez-Arribas, M.J. Santos-Delgado, and L.M. Polo-Diez, *Anal. Chim. Acta.*, **258**, 269(1992).
2193. Flow-injection analysis determination of phenols in kerosene and naphtha by membrane extraction-preconcentration  
E.R. Gonzalo, J.L.P. Pavon, J. Ruzicka, G.D. Christian, and D.C.Olson  
*Anal. Chim. Acta.*, **259**, 37(1992).
2194. Gas permeation and preconcentration in the flow-injection determination of acid-available cyanide in waste water  
V. Kuban, *Anal. Chim. Acta.*, **259**, 45(1992).
2195. Determination of trace amounts of lead by chelating ion exchange and on-line preconcentration in flow-injection atomic absorption spectrometry  
R. Purohit and S. Devi, *Anal. Chim. Acta.*, **259**, 53(1992).
2196. Chemiluminescence flow-injection method for the determination of amino acids based on Schiff base formation in sodium bis(2-ethylhexyl)sulphosuccinate reversed micelles  
J. Hayashi, M. Yamada and T. Hobo, *Anal. Chim. Acta.*, **259**, 67(1992).
2197. Electrocatalysis and flow-injection analysis of hydrogen peroxide at a chemically modified electrode  
Z. Gao, A. Ivaska, P. Li, K. Lui, and J. Yang, *Anal. Chim. Acta.*, **259**, 211(1992).
2198. Multi-component analysis of concentrated solutions by flow-injection analysis with zone sampling and partial least-squares resolution  
M. Blanco, J. Coello, H. Iturriaga, S. Maspoch, M. Redon, and J. Riba, *Anal. Chim. Acta.*, **259**, 219(1992).
2199. Determination of gaseous hydrogen peroxide at parts per trillion levels with a Nafion membrane scrubber and a single-line flow-injection system  
G. Zhang, P.K. Dasgupta, and A. Sigg, *Anal. Chim. Acta.*, **260**, 57(1992).
2200. Flow-injection extraction spectrophotometric determination of salbutamol by oxidative coupling with 4-amino-N, N-di-methylaniline  
D.T. Burns, N. Chimpalee, D. Chimpalee, and K. Leiwongcharoen, *Anal. Chim. Acta.*, **260**, 65(1992).
2201. Solubilized Substrates for the on-line measurement of lipases by flow injection analysis during chromatographic enzyme purification  
G.C. Chemnitz, H. Erdmann, and R.D. Schmid, *Anal. Biochem.*, **202**, 16(1992).
2202. Combining low pressure liquid affinity chromatography and flow injection analysis for the quantitation of immunoglobulins  
D. Narinesingh and T.T. Ngo, *Anal. Lett.*, **24**, 2147(1992).
2203. Use of tin oxide electrodes in flow injection analysis with application to plant tissue based biosensors  
A. Navaratne and G.A. Rechnitz, *Anal. Lett.*, **25**, 191(1992).
2204. Phenobarbiturate flow-through electrode for flow injection analysis of

- pharmaceutical products  
J.L.F.C. Lima, M.C.B.S.M. Montenegro, J. Alonso-Chamarro, J. Bartroli, and J. Garcia-Raurich, *Anal. Sci.*, **8**, 19(1992).
2205. Flow injection method for polarographic determination of L-lactate using an immobilized enzyme reactor  
S. Hikima, K. Hasebe, and T. Kakizaki, *Anal. Sci.*, **8**, 165(1992).
2206. Computer-assisted automation of chemical analysis using flow injection. Application to a fermentation process.  
M. Peris-Tortajada, A. Maquieira, E. Lopez, and R. Ors, *Analisis*, **19**, 266(1991).
2207. Determination of anions by flow injection. A review  
D. Chen, M.D. Luque de Castro, and M. Valcarcel, *Analyst (London)*, **116**, 1095(1991).
2208. Determination of cobalt in two glasses by atomic absorption spectrometry after flow injection ion-exchange preconcentration  
M.C. Valdes-Heviay Temprano, J. Perez Parajon, M.E. Diaz Garcia, and A. Sanz-Medel, *Analyst (London)*, **116**, 1141(1991).
2209. Flow injection amperometric determination of cyanide on a modified silver electrode  
S.D. Nikolic, E.B. Milosavljevic, J.L. Hendrix, J.H. Nelson, *Analyst (London)*, **117**, 47(1992).
2210. Spectrophotometric determination of quaternary ammonium salts by a flow injection method coupled with thermochromism of ion associates  
T. Sasaki, *Analyst (London)*, **117**, 211(1992).
2211. Micellar Systems in flow injection: Determination of gadolinium with 1-(2-pyridylazo)-2-naphthol in the presence of triton X-100  
J.L.P. Pavon and B.M.Cordero, *Analyst (London)*, **117**, 215(1992).
2212. Effect of flow injection parameters on the selectivity of an iodide-selective electrode  
D.E. Davey, D.E. Mulcahy, G.R. O'Connell, *Analyst (London)*, **117**, 761(1992).
2213. Flow injection determination of triton X-100 with on-line solid-phase extraction  
C. Moeder, N. Grinberg, H.J. Perpall, G. Bicker, P. Tway, *Analyst (London)*, **117**, 767(1992).
2214. Flow injection stopped-flow kinetic determination of the anxiolytic sedative bromazepam in dosage forms  
S.M. Sultan, *Analyst (London)*, **117**, 773(1992).
2215. Novel flow injection analysis of trace selenium combined with online preconcentration  
E. Aoyama, N. Kobayashi, M. Shibata, T. Nakagawa, and H. Tanaka, *Biomed. Res. Trace Elem.*, **1**, 229(1990).

2216. Determination of trace amounts of thorium in aluminum nitride by fluorometric FIA using flavonol  
H. Mikasa and Y. Hori, *Bunseki Kagaku*, **41**, 1(1992).
2217. Determination of beryllium with salicylidene ethylenediamine by flow-injection fluorometry  
K. Watanabe, A. Takahashi, and I. Aoki, *Bunseki Kagaku*, **41**, 11(1992).
2218. Simultaneous determination of iron and titanium in aluminium alloys by FIA system with multi-wavelength detection  
T. Kitamura, K. Koshino, and T. Yamane, *Bunseki Kagaku*, **41**, 101(1992).
2219. Effect of refractive index of sample solution on FIA with a spectrophotometric detector  
M. Zenki, M. Kotani, and K. Toei, *Bunseki Kagaku*, **41**, T23(1992).
2220. Sensitive determination of hydrogen peroxide by FIA using an enhanced luminol chemiluminescence system with a mixed dye-sensitizer  
M. Ishii and M. Shirai, *Bunseki Kagaku*, **41**, 125(1992).
2221. Applications of flow-injection analysis in enology  
J.L.F.C. Lima, and A.O.S.S. Rangel, *Cienc. Tec. Vitivinic.*, **9**, 95(1990).
2222. Determination of tartaric acid in wine by segmented continuous-flow analysis  
A.S. Curvelo-Garcia, and M.C. Godinho, *Cienc. Tec. Vitivinic.*, **9**, 115(1990).
2223. Flow-injection analysis  
S. Xu, *Daxue Huaxue*, **6**, 24(1991).
2224. Determination of the pesticide guthion by flow-injection analysis with amperometric detection  
J. Hernandez Mendez, R. Carabias Martinez, E. Rodriguez Gonzalo, and J. Perez Trancon, *Electroanalysis(N.Y.)*, **2**, 487(1990).
2225. Determination of sulfur dioxide in white wines by flow injection with electrochemical detection  
T.J. Cardwell, and R.W. Catrall, *Electroanalysis(N.Y.)*, **3**, 859(1991).
2226. Catalytic reduction of hemoglobin at thionine chemically modified electrode and flow injection analysis applications  
J. Zhou, and E. Wang, *Electrochim. Acta*, **37**, 595(1992).
2227. Simultaneous determination of iron(II), iron(III), and titanium(IV) by flow injection analysis using kinetic spectrophotometry with Tiron  
K. Oguma, S. Kozuka, K. Kitada, and R. Kuroda, *Fresenius J. Anal. Chem.*, **341**, 545(1991).
2228. Improvement of detection limits in flow injection analysis  
H. Muller, B. Frey, and W. Bohme, *Fresenius J. Anal. Chem.*, **341**, 647(1991).
2229. Simultaneous determination of vanadium and lead in unsegmented flow systems of variable flow rate  
J. Marcos, G. del Campo, A. Rios, and M. Valcarcel, *Fresenius J. Anal. Chem.*, **342**, 76(1992).
2230. Indirect determination of bromide by diffusion flow injection analysis with

- amperometric detection  
S.D. Nikolic, T.D. Jankovic, E.B. Milosavljevic, J.L. Hendrix, and J.H. Nelson, *Fresenius J. Anal. Chem.*, **342**, 98(1992).
2231. Selective spectrofluorimetric determination of zinc in biological samples by flow injection analysis (FIA)  
P. Fernandez, C. Perez Conde, A. Gutierrez, and C. Camara, *Fresenius J. Anal. Chem.*, **342**, 597(1992).
2232. Spectrophotometric determination of phosphorus as phosphate in organic compounds and materials of biological origin using a flow-injection manifold with a mixing chamber  
D.T. Burns, N. Chimpalee, and M. Harriott, *Fresenius J. Anal. Chem.*, **342**, 734(1992).
2233. ELISA principles in flow injection immunoanalysis (FIIA) basic studies with mouse immunoglobulin G  
W. Stoecklein, and R.D. Schmid, *GBF Monogr.*, **14**, 81(1991).
2234. Online monitoring of L-lysine in technical chromatography by flow injection analysis(FIA)  
W.W. Stamm, A. Pohlmann, M. Buchholz, and M.R. Kula, *GBF Monogr.*, **14**, 101(1991).
2235. Enzyme-catalyzed determination of 2-oxoisocaproate by flow-injection analysis and its application to the monitoring for maple syrup urine disease  
S. Tauschensky, W. Hummel, P. Schadewaldt, and U. Wendel, *GBF Monogr.*, **14**, 145(1991).
2236. Potentiometric flow-injection determination of urea in blood serum using asymmetric membrane ion-selective electrode  
M. Trojandowicz, M.E. Meyerhoff, and G.S. Cha, *GBF Monogr.*, **14**, 149(1991).
2237. Elimination of interferences in glucose determination in blood serum using flow-injection amperometry  
M. Trojanowicz, W. Matuszewski, and A. Lewenstam, *GBF Monogr.*, **14**, 159(1991).
2238. Stereoselective determination of L- and D-amino acids in serum by the use of immobilized enzyme reactors in FIA  
G. Marko-Varga, E. Dominguez, and M. Carlsson, *GBF Monogr.*, **14**, 165(1991).
2239. Simultaneous flow injection determination of malate and ethanol based on oxygen consumption with dehydrogenase and oxidase reactors  
H. Ukeda, Y. Nakada, K. Matsumoto, and Y. Osajima, *GBF Monogr.*, **14**, 203(1991).
2240. Development of electrochemical FIA system with immobilized enzymes as specific post-column detector of HPLC  
T. Yao, *GBF Monogr.*, **14**, 217(1991).

2241. Design and application of a new two-channel FIA  
U. Mwnfw, *GBF Monogr.*, **14**, 315(1991).
2242. Simultaneous flow injection analysis of phosphorus and potassium in plant samples with detectors in series  
Y. Yaqi, and J. Wu, *Huaxue Tongbao*, 41(1991).
2243. Catalytic determination of cobalt in liver by flow-injection spectrophotometry  
M.A.Z. Arruda, E.A.G. Zagatto, A.O. Jacintho, and S.M.B. Brienza, *J. Braz. Chem. Soc.*, **2**, 47(1991).
2244. Process monitoring by flow-injection immunoassay  
Evaluation of a sequential competitive binding assay  
M. Nilsson, H. Hakanson, and B. Mattiasson, *J. Chromatogr.*, **597**, 383(1992).
2245. Use of various types of column reactors for flow-injection analysis  
M. Tabata, *J. Chromatogr.*, **597**, 435(1992).
2246. Flow-injection microdetermination of heavy metal ions using a column packed with immobilized apoenzyme beads  
I. Satoh, *J. Flow Injection Anal.*, **8**, 111(1991).
2247. Rapid determination of total nitrogen, phosphorus, magnesium, potassium, and amylose in milled-rice by flow injection analysis  
H. Nakajima, and R. Yanagihara, *J. Flow Injection Anal.*, **8**, 127(1991).
2248. Determination of neutral fat in milk by amperometric flow injection analysis with immobilized enzyme reaction  
S. Higuchi, K. Matsumoto, and Y. Osajima, *J. Flow Injection Anal.*, **8**, 136(1991).
2249. Evaluation of flow injection analysis method for total water hardness using cupric ion detector and correlation with Japanese industrial standard method  
A. Sakai, A. Henmi, S. Ito, Y. Asano, and Y. Fushinuki, *J. Flow Injection Anal.*, **8**, 148(1991).
2250. Flow injection study of the operation stability of glucose-detecting electrodes by an automatic apparatus  
G. Nagy, J. Fucsko, and E. Pungor, *Lab. Rob. Autom.*, **3**, 133(1991).
2251. An improved spectrophotometric flow-injection determination of cobalt in plants  
A.O. Jacintho, E.A.G. Zagatto, R.F. Antonio, and S.M.B. Brienza, *Quim. Anal.*, **10**, 51(1991).
2252. Reduction of injection variance in flow-injection analysis  
B.F. Johnson, R.E. Malick, and J.G. Dorsey, *Talanta*, **39**, 35(1992).
2253. Flow injection and solvent extraction with intelligent segment separation. Determination of quaternary ammonium ions by ion-pairing  
C.C. Lindgren and P.K. Dasgupta, *Talanta*, **39**, 101(1992).
2254. Determination of thallium in soils by flow-injection-differential pulse anodic stripping voltammetry  
Z. Lukaszewski and W. Zembruski, *Talanta*, **39**, 221(1992).



2255. Flow-injection coulometric titrations  
R.H. Taylor, J. Ruzicka and G.D. Christian, *Talanta*, **39**, 285(1992).
2256. Investigation of turbomixers in continuous flow analysis  
T.L. Spinks, G.E. Pacey, L. Fabian, S. Lee, and B.P. Bubnis, *Talanta*, **39**, 293(1992).
2257. Spectrophotometric method for determination of sulfide with iron(III) and nitrilotriacetic acid by flow injection  
T.P. Tougas and K.M. Hobbs, *Talanta*, **39**, 313(1992).
2258. Cross-correlation in flow-injection analysis with parallel flow streams and amperometric detection  
R.E. McKean and D.J. Curran, *Talanta*, **39**, 319(1992).
2259. The determination of trace amounts of tin by flow-injection hydride generation atomic-absorption spectrometry with on-line ion-exchange separation and preconcentration  
Z. Fang, L. Sun, E.H. Hansen, J.E. Olesen, and L.M. Henriksen, *Talanta*, **39**, 383(1992).
2260. Ion mobility spectrometry as flow-injection detector and continuous flow monitor for aniline in hexane and water  
G.A. Eiceman, L. G-Gonzalez, Y-F. Wang, B. Pittman, and G.E. Burroughs, *Talanta*, **39**, 459(1992).
2261. Estimation of the method evaluation function for the determination of hydride-generating arsenic compounds in urine by flow-injection atomicabsorption spectrometry  
A.J.L. Murer, A. Abildtrup, O.M. Poulsen, and J.M. Christensen, *Talanta*, **39**, 469(1992).
2262. Application of the slotted quartz tube in flow-injection flame atomic-absorption spectrometry  
S. Xu, L. Sun, and A. Fang, *Talanta*, **39**, 581(1992).
2263. A dual-wavelength light-emitting diode based detector for flow-injection analysis process analysers  
J. Huang, H. Liu, A. Tan, J. Xu, and X. Zhao, *Talanta*, **39**, 589(1992).
2264. Determination of aqueous ozone for potable water treatment applications by chemiluminescence flow-injection analysis. A feasibility study  
H-K. Chung, H.S. Bellamy and P.K. Dasgupta, *Talanta*, **39**, 593(1992).