

## FIA Bibliography(35)

Norio TESHIMA, Aichi Institute of Technology  
Tadao SAKAI, Aichi Institute of Technology

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.

6136. FIA Bibliography(34)  
N. Teshima, T. Sakai  
*J. Flow Injection Anal.*, **17**, 219 (2000).
6137. Rotating rod renewable microcolumns for automated, solid-phase DNA hybridization studies  
Cynthia J. Bruckner-Lea, M. S. Stottlemire, D. A. Holman, J. W. Grate, F. J. Brockman, D. P. Chandler  
*Anal. Chem.* **72**, 4135 (2000).
6138. Ferricyanide reduction by escherichia coli: kinetics, mechanism, and application to the optimization of recombinant fermentations  
P. Ertl, B. Unterladstaetter, K. Bayer, S. R. Mikkelsen  
*Anal. Chem.*, **72**, 4949 (2000).
6139. Immunologic trapping in supported liquid membrane extraction  
E. Thordarson, J. A. Joensson, J. Emneus  
*Anal. Chem.*, **72**, 5280 (2000).
6140. Gold electrodes from recordable CDs  
L. Angnes, E. M. Richter, M. A. Augelli, G. H. Kume  
*Anal. Chem.*, **72**, 5503 (2000).
6141. Detection of native amino acids and peptides utilizing sinusoidal voltammetry  
S. Brazill, P. Singhal, W. G. Kuhr  
*Anal. Chem.* **72**, 5542 (2000).
6142. Pulse amperometric detection of salt concentrations by flow injection analysis using ionodes  
H. J. Lee, C. M. Pereira, A. F. Silva, H. H. Girault  
*Anal. Chem.*, **72**, 5562 (2000).
6143. Electrochemiluminescent metallopolymer coatings: Combined light and current detection in flow injection analysis  
R. J. Forster, C. F. Hogan  
*Anal. Chem.* **72**, 5576 (2000).
6144. On-line separation and determination of bromate in drinking waters using flow injection ICP mass spectrometry  
A. R. Elwaer, C. W. McLeod, K. C. Thompson  
*Anal. Chem.*, **72**, 5725 (2000).
6145. Subsecond adsorption and desorption of dopamine at carbon-fiber microelectrodes  
B. D. Bath, D. J. Michael, B. J. Trafton, J. D. Joseph, P. L. Runnels, R. M. Wightman  
*Anal. Chem.* **72**, 5994 (2000).
6146. Continuous cell introduction for the analysis of individual cells by capillary electrophoresis  
S. Chen, S. J. Lillard  
*Anal. Chem.*, **73**, 111 (2001).
6147. Techniques for increasing the throughput of flow injection mass spectrometry  
K. L. Morand, T. M. Burt, B. T Regg, T. L. Chester  
*Anal. Chem.*, **73**, 247 (2001).
6148. A compactly integrated flow cell with a chemiluminescent FIA system for determining lactate concentration in serum  
H. Nakamura, Y. Murakami, K. Yokoyama, E. Tamiya, I. Karube, M. Suda, S. Uchiyama  
*Anal. Chem.*, **73**, 373 (2001).
6149. Electroosmotic flow in composite microchannels and implications in microcapillary electrophoresis systems  
F. Bianchi, F. Wagner, P. Hoffmann, H. H. Girault  
*Anal. Chem.*, **73**, 829 (2001).
6150. Needle-type dual microsensor for the simultaneous monitoring of glucose and insulin  
J. Wang, X. Zhang  
*Anal. Chem.*, **73**, 844 (2001).
6151. Development of an electrochemical immunosensor for direct detection of interferon- $\gamma$  at the attomolar level  
M. Dijksma, B. Kamp, J. C. Hoogvliet, W. P. van Bennekom  
*Anal. Chem.*, **73**, 901 (2001).
6152. Electrocatalytic oxidation and sensitive detection of cysteine on a lead ruthenate pyrochlore modified electrode  
Jyh-Myng Zen, A. S. Kumar, Jyh-Cheng Chen  
*Anal. Chem.*, **73**, 1169 (2001).
6153. Plant tissue-based chemiluminescence flow biosensor for glycolic acid  
B. Li, Z. Zhang, Y. Jin  
*Anal. Chem.*, **73**, 1203 (2001).
6154. A polyaniline-modified electrode-based FIA

- system for sub-ppb-Level chromium(VI) analysis  
Yun-Jung. Yang, Hsuan-Jung. Huang  
*Anal. Chem.*, **73**, 1377 (2001).
6155. Direct, selective flow injection spectrophotometric determination of calcium in wines using methylthymol blue and an on-line cascade dilution system  
D. G. Themelis, P. D. Tzanavaras, A. N. Anthemidis, J. A. Stratis  
*Anal. Chim. Acta*, **410**, 215 (2000).
6156. Selective stopped-flow injection spectrophotometric determination of palladium(II) in hydrogenation and automobile exhaust gas converter catalysts  
A. N. Anthemidis, D. G. Themelis, J. A. Stratis  
*Anal. Chim. Acta*, **417**, 241 (2000).
6157. Flow-injection analysis-fluorescence detection for the in vivo on-line determination of calcium in blood with microdialysis sampling  
Y. Huang, Z. Zhang, J. Lv, H. Cheng  
*Anal. Chim. Acta*, **419**, 175 (2000).
6158. Disposable interference-free glucose biosensor based on an electropolymerised poly(pyrrole) permselective film  
M. Quinto, I. Losito, F. Palmisano, C. G. Zambonin  
*Anal. Chim. Acta*, **420**, 9 (2000).
6159. Preparation and preliminary evaluation of anhydrous tris(2,2'-bipyridyl)ruthenium(III) perchlorate as a temporally stable reagent for analytical chemiluminescence  
N. W. Barnett, B. J. Hindson, S. W. Lewis, S. D. Purcell, P. Jones  
*Anal. Chim. Acta*, **421**, 1 (2000).
6160. New ways of enzymatic two-substrate determinations in flow injection systems  
T. M. Becker, H.-L. Schmidt  
*Anal. Chim. Acta*, **421**, 7 (2000).
6161. On-line bidirectional electrostacking of chromium(III) and chromium(VI) for flame atomic absorption spectrometry determination  
Y. He, M. L. Cervera, M. I. Garrido-Ecija, M. de la Guardia  
*Anal. Chim. Acta*, **421**, 57 (2000).
6162. Development of a generic microelectrode array biosensing system  
S. Zhang, H. Zhao, R. John  
*Anal. Chim. Acta*, **421**, 175 (2000).
6163. Calibration and detailed analysis of second-order flow injection analysis data with rank overlap  
M. M. Reis, S. P. Gurden, A. K. Smilde, M. M. C. Ferreira  
*Anal. Chim. Acta*, **422**, 21 (2000).
6164. Interfacing flow injection analysis (sequential injection analysis) and electro-thermal atomic absorption spectrometry determination of trace-levels of Cr(VI) via on-line pre-concentration by adsorption in a knotted reactor and by liquid-liquid extraction  
S. C. Nielsen, E. H. Hansen  
*Anal. Chim. Acta*, **422**, 47 (2000).
6165. Sequential injection Fourier transform infrared spectroscopy for the simultaneous determination of organic acids and sugars in soft drinks employing automated solid phase extraction  
H. LeThanh, B. Lendl  
*Anal. Chim. Acta*, **422**, 63 (2000).
6166. Combination of flow injection with capillary electrophoresis Part 7. Microchip capillary electrophoresis system with flow injection sample introduction and amperometric detection  
C.-G. Fu, Z.-L. Fang  
*Anal. Chim. Acta*, **422**, 71 (2000).
6167. Determination of the  $^{234}\text{U}/^{238}\text{U}$  ratio in water samples by inductively coupled plasma mass spectrometry  
L. Halicz, I. Segal, I. Gavrieli, A. Lorber, Z. Karpas  
*Anal. Chim. Acta*, **422**, 203 (2000).
6168. Flow injection analysis of water vapor based on a fluorosensor  
M. M. F. Choi, O. L. Tse  
*Anal. Chim. Acta*, **423**, 229 (2000).
6169. Flow injection analysis of pyrogallol with enhanced electrochemiluminescent detection  
Y.-G. Sun, H. Cui, X.-Q. Lin, Y.-H. Li, H.-Z. Zhao  
*Anal. Chim. Acta*, **423**, 247 (2000).
6170. Coupling on-line preconcentration by ion-exchange with ETAAS. A novel flow injection approach based on the use of a renewable microcolumn as demonstrated for the determination of nickel in environmental and biological samples  
J. Wang, E. H. Hansen  
*Anal. Chim. Acta*, **424**, 223 (2000).
6171. Simultaneous preconcentration and speciation of iron(II) and iron(III) in water samples by 2-mercaptobenzimidazole-silica gel sorbent and flow injection analysis system  
H. Bagheri, A. Gholami, A. Najafi  
*Anal. Chim. Acta*, **424**, 233 (2000).
6172. Flow injection analytical system for glucose

- with screen-printed enzyme biosensor incorporating Os-complex mediator  
C. Zhang, Q. Gao, M. Aizawa  
*Anal. Chim. Acta*, **426**, 33 (2001).
6173. Novel solid-state ammonium ion potentiometric sensor based on zirconium titanium phosphate ion exchanger  
S. S. M. Hassan, S. A. Marei, I. H. Badr, H. A. Arida  
*Anal. Chim. Acta*, **427**, 21 (2001).
6174. Sequential injection analysis for the determination of fuberidazole and thiabendazole by variable-angle scanning fluorescence spectrometry  
G. de Armas, E. Becerra, A. Cladera, J. M. Estela, V. Cerda  
*Anal. Chim. Acta*, **427**, 83 (2001).
6175. Flow-injection spectrophotometric determination of nicotinic acid in micellar medium of N-cetylpyridinium chloride  
E. Capella-Peiro, L. Monferrer-Pons, C. Garcia-Alvarez-Coque, J. Esteve-Romero  
*Anal. Chim. Acta*, **427**, 93 (2001).
6176. Microscale on-line production and determination of malic acid using flow injection analysis, immobilized fumarase and malate dehydrogenase with chemiluminescence detection  
A. M. Almuaibed  
*Anal. Chim. Acta*, **428**, 1 (2001).
6177. Determination of L-(-)-malic acid and L-(+)-lactic acid in wine by a flow injection-dialysis-enzymic derivatization approach  
E. Mataix, M. D. Luque de Castro  
*Anal. Chim. Acta*, **428**, 7 (2001).
6178. The development of an on-chip micro-flow injection analysis of nitrate with a cadmium reductor  
P. H. Petsul, G. M. Greenway, S. J. Haswell  
*Anal. Chim. Acta*, **428**, 155 (2001).
6179. Microdialysis with on-line chemiluminescence detection for the study of nitric oxide release in rat brain following traumatic injury  
J. Wang, M. Lu, F. Yang, X. Zhang, W. R. G. Baeyens, A. M. Garcia Campana  
*Anal. Chim. Acta*, **428**, 173 (2001).
6180. Simultaneous determination of oxybenzone and 2-ethylhexyl 4-methoxycinnamate in sunscreen formulations by flow injection-isodifferential derivative ultraviolet spectrometry  
A. Chisvert, A. Salvador, M. C. Pascual-Marti  
*Anal. Chim. Acta*, **428**, 183 (2001).
6181. Detection of gentamicin in milk by immunoassay and flow injection analysis with electrochemical measurement  
R. M. Van Es, S. J. Setford, Y. J. Blankwater, D. Meijer  
*Anal. Chim. Acta*, **429**, 37 (2001).
6182. Measurement of parts per million levels of potassium hydroxide in polyether polyol streams  
S. Galanis, P. K. Dasgupta  
*Anal. Chim. Acta*, **429**, 101 (2001).
6183. Simultaneous spectrophotometric determination of fluoride and monofluorophosphate ions in toothpastes using a reversed flow injection manifold  
D. G. Themelis, P. D. Tzanavaras  
*Anal. Chim. Acta*, **429**, 111 (2001).
6184. Optimization of on-line microwave flow injection analysis system by artificial neural networks for the determination of ruthenium  
H. Wang, Y. Zhou, Y. Zhao, Q. Li, X. Chen, Z. Hu  
*Anal. Chim. Acta*, **429**, 207 (2001).
6185. Development of an amperometric L-ascorbic acid (Vitamin C) sensor based on electropolymerised aniline for pharmaceutical and food analysis  
P. J. O'Connell, C. Gormally, M. Pravda, G. G. Guilbault  
*Anal. Chim. Acta*, **431**, 239 (2001).
6186. Photocatalytic sensor for the determination of chemical oxygen demand using flow injection analysis  
Y.-C. Kim, S. Sasaki, K. Yano, K. Ikebukuro, K. Hashimoto, I. Karube  
*Anal. Chim. Acta*, **432**, 59 (2001).
6187. Flow-injection chemiluminescence determination of sulfite using on-line electrogenerated silver(II) as the oxidant  
B. Li, Z. Zhang, M. Wu  
*Anal. Chim. Acta*, **432**, 311 (2001).
6188. Multicomponent kinetic determination of Cu, Zn, Co, Ni and Fe at trace levels by first and second order multivariate calibration  
F. M. Fernandez, M. B. Tudino, O. E. Troccoli  
*Anal. Chim. Acta*, **433**, 119 (2001).
6189. Flow injection analysis of tannic acid with inhibited electrochemiluminescent detection  
Yu-Gang Sun, H. Cui, Ying-Hui Li, Hua-Zhang Zhao, Xiang-Qin Lin  
*Anal. Lett.*, **33**, 2281 (2000).
6190. Quantitation of monosodium glutamate using immobilized glutamate oxidase/peroxidase and flow injection analysis

- U. Mankasingh, D. Narinesingh, T. T. Ngo  
*Anal. Lett.*, **33**, 2407 (2000).
6191. Chemiluminescence flow injection analysis of menadione sodium bisulfite based on luminol reaction  
Y. Huang, Z. Zhang, D. Zhang  
*Anal. Lett.*, **33**, 2677 (2000).
6192. Determination of riboflavin using flow injection inhibitory chemiluminescence  
Z. Song, L. Wang  
*Anal. Lett.*, **33**, 2767 (2000).
6193. Flow injection analysis of some phenolic sympathomimetic drugs  
A. E. El-Gendy  
*Anal. Lett.* **33**, 2927 (2000).
6194. Determination of gallic acid by flow injection with electrochemiluminescent detection  
Yu-Gang Sun, H. Cui, Ying-Hui Li, Shi-Feng Li, Xiang-Qin Lin  
*Anal. Lett.*, **33**, 3239 (2000).
6195. A sensitive photoinduced chemiluminescence method for the determination of riboflavin with flow injection analysis  
Guo-Fang Zhang, Hong-Yuan Chen  
*Anal. Lett.*, **33**, 3285 (2000).
6196. Fast amperometric FIA procedure for heavy metal detection using enzyme inhibition  
D. Compagnone, A. S. Lupu, A. Ciucu, V. Magearu, C. Cremisini, G. Palleschi  
*Anal. Lett.*, **34**, 17 (2001).
6197. Development of novel redox systems by use of ligand effect and its application to potentiometry  
N. Teshima, H. Katsumata, T. Kawashima  
*Anal. Sci.*, **16**, 901 (2000).
6198. Integrated FIA for the determination of ascorbic acid and dehydroascorbic acid in a microfabricated glass-channel by thermal-lens microscopy  
H. M. Sorouraddin, A. Hibara, M. A. Proskurnin, T. Kitamori  
*Anal. Sci.*, **16**, 1033 (2000).
6199. Chemiluminometric determination of uric acid in plasma by closed-loop FIA with a coimmobilized enzyme flow cell  
N. Kiba, K. Suzuki, T. Miwa, M. Tachibana, H. Koizumi, K. Tani  
*Anal. Sci.*, **16**, 1203 (2000).
6200. Determination of mercury by cold-vapor atomic absorption spectrometry with preconcentration on a gold-trap  
E. Kopysc, K. Pyrzyńska, S. Garbos, E. Bulska  
*Anal. Sci.*, **16**, 1309 (2000).
6201. Flow injection chemiluminescence determination of quinine using  $Mn^{3+}$  as the oxidant  
X. Zheng, Z. Zhang  
*Anal. Sci.*, **16**, 1345 (2000).
6202. Double-featured chemiluminescence reagent prepared through a mixing procedure and its application to the detection of heme protein  
K. Tsukagoshi, M. Yamamoto, R. Nakajima  
*Anal. Sci.*, **16**, 1357 (2000).
6203. Integrated multilayer flow system on a microchip  
A. Hibara, M. Tokeshi, K. Uchiyama, H. Hisamoto, T. Kitamori  
*Anal. Sci.*, **17**, 89 (2001).
6204. Kinetic flow-injection determination of hydrogen peroxide by use of iron(III)-catalyzed coloration and its application to the determination of biological substances  
N. Maeuchihara, S. Nakano, T. Kawashima  
*Anal. Sci.*, **17**, 255 (2001).
6205. Univariate and simplex optimization for the flow-injection spectrophotometric determination of copper using nitroso-R salt as a complexing agent  
B. Purachat, S. Liawruangrath, P. Sooksamiti, S. Rattanaphani, D. Buddhasukh  
*Anal. Sci.*, **17**, 443 (2001).
6206. On-line preconcentration system using a packed-bed filter for the determination of lead in tap water by inductively coupled plasma atomic emission spectrometry with ultrasonic nebulization  
R. G. Wuilloud, J. A. Salonia, J. A. Gasquez, R. A. Olsina, L. D. Martinez  
*Anal. Sci.*, **17**, 457 (2001).
6207. Dual analyte flow injection fluorescence immunoassays using thiophilic gel reactors and synchronous scanning detection  
J. C. Guo, J. N. Miller, M. Evans, D. A. Palmer  
*Analyst*, **125**, 1707 (2000).
6208. Flow injection-FTIR determination of dithiocarbamate pesticides  
S. Garrigues, M. de la Guardia, A. R. Cassella, R. C. de Campos, R. E. Santelli, R. J. Cassella  
*Analyst*, **125**, 1829 (2000).
6209. Pulsed flow chemistry: a new approach to solution handling for flow analysis coupled with chemiluminescence detection  
S. W. Lewis, P. S. Francis, K. F. Lim, G. E. Jenkins, X. D. Wang  
*Analyst*, **125**, 1869 (2000).
6210. Novel flow injection methods for

- drug-receptor interaction studies, based on probing cell metabolism  
I. Lahdesmaki, A. Ivaska, J. Ruzicka  
*Analyst*, **125**, 1889 (2000).
6211. Modified microelectrodes and multivariate calibration for flow injection amperometric simultaneous determination of ascorbic acid, dopamine, epinephrine and dipyrone  
R. C. Matos, L. Angnes, M. C. U. Araujo, T. C. B. Saldanha  
*Analyst*, **125**, 2011 (2000).
6212. Development and characterization of a novel electrochemiluminescent reaction involving cadmium  
C. Whitchurch, A. Andrews  
*Analyst*, **125**, 2065 (2000).
6213. Chemiluminescence of indole compounds based on oxidation with singlet oxygen generated chemically by the sodium molybdate-hydrogen peroxide system  
T. Kawatani, Jin-Ming Lin, M. Yamada  
*Analyst*, **125**, 2075 (2000).
6214. Fluorimetric flow injection and flow-through sensing systems for cyanide control in waste water  
D. L. Recalde-Ruiz, E. Andres-Garcia, M. E. Diaz-Garcia  
*Analyst*, **125**, 2100 (2000).
6215. Normal and differential demasking flow-injection manifold for the direct spectrophotometric determination of zinc(II) in biological materials and pharmaceutical formulations  
D. G. Themelis, P. D. Tzanavaras, A. A. Liakou, H. D. Tzanavaras, J. K. Papadimitriou  
*Analyst*, **125**, 2106 (2000).
6216. A dual electrochemical sensor for nitrite and nitric oxide  
Jyh-Myng Zen, A. S. Kumar, Hsu-Fang Wang  
*Analyst*, **125**, 2169 (2000).
6217. A robust multisyringe system for process flow analysis part II. A multi-commuted injection system applied to the photometric determination of free acidity and iron(III) in metallurgical solutions  
F. Albertus, A. Cladera, V. Cerda  
*Analyst*, **125**, 2364 (2000).
6218. Flow injection analysis of fluoride: optimization of experimental conditions and nonlinear calibration using artificial neural networks  
Y. Zhou, A. Yan, H. Xu, K. Wang, X. Chen, Z. Hu  
*Analyst*, **125**, 2376 (2000).
6219. Flow injection potentiometric determination of pipazethate hydrochloride  
N. T. Abdel-Ghani, A. F. Shoukry, R. M. El Nashar  
*Analyst*, **126**, 79 (2001).
6220. Determination of Co(II) by chemiluminescence after in situ electrochemical pre-separation on a flow-through mercury film electrode  
A. Economou, A. K. Clark, P. R. Fielden  
*Analyst*, **126**, 109 (2001).
6221. Continuous and stopped flow injection for catalytic determination of total iodine in urine  
D. Nacapricha, S. Muangkaew, N. Ratanawimarnwong, J. Shiowatana, K. Grudpan  
*Analyst*, **126**, 121 (2001).
6222. Preliminary studies into the direct interfacing of a microreactor to a gas chromatographic instrument  
G. N. Doku, S. J. Haswell, T. McCreedy, R. J. Middleton  
*Analyst*, **126**, 133 (2001).
6223. Capillary electrophoresis system with flow injection sample introduction and chemiluminescence detection on a chip platform  
Xiao-Jing Huang, Qiao-Sheng Pu, Zhao-Lun Fang  
*Analyst*, **126**, 281 (2001).
6224. Oscillatory control of sample dispersion in a continuous flow system  
H. Bruno, F. Andrade, F. Inon, M. Tudino, O. Troccoli  
*Analyst*, **126**, 394 (2001).
6225. Enhancement of thallium response by flow injection hydride generation AAS using palladium and rhodamine B  
Z. Daan, X. Shukun  
*At. Spectrosc.*, **21**, 136 (2000).
6226. New approaches to the direct analysis of highly saline samples by FIA-ICP-MS  
M. S. Jimenez, R. Velarte, J. R. Castillo  
*At. Spectrosc.*, **21**, 156 (2000).
6227. ICP-OES determination of rare earth elements in silicate rocks using ultrasonic nebulization and on-line ion-exchange iron separation  
R. Lara, R. A. Olsina, E. Marchevsky, J. A. Gasquez, L. D. Martinez  
*At. Spectrosc.*, **21**, 172 (2000).
6228. Flame AAS determination of copper in urine using a flow injection on-line preconcentration system based on a polyamine chelating ion exchange column

- A. A. Almeida, X. Jun, J. L. F. C. Lima  
*At. Spectrosc.*, **21**, 187 (2000).
6229. Trace level determination of lead by flame AAS using on-line separation and preconcentration  
M. C. Yebra-Biurrun, M. F. Enriquez-Dominguez, A. Garcia-Garrido, A. Moreno-Cid  
*At. Spectrosc.*, **21**, 225 (2000).
6230. Chemometric approach for the optimization of a flow injection manifold applied to the determination of total Hg in seafood by cold vapor AAS6  
J. L. Capelo, I. Lavilla, C. Bendicho  
*At. Spectrosc.*, **21**, 229 (2000).
6231. Chemiluminescent choline biosensor using histidine-modified peroxidase immobilised on metal-chelate substituted beads and choline oxidase immobilised on anion-exchanger beads co-entrapped in a photocrosslinkable polymer  
V. C. Tsafack, C. A. Marquette, F. Pizzolato, L. J. Blum  
*Biosens. Bioelectron.*, **15**, 125 (2000).
6232. Quantification of nisin in flow-injection immunoassay systems  
R. Nandakumar, M. P. Nandakumar, B. Mattiasson  
*Biosens. Bioelectron.* **15**, 241 (2000).
6233. A micro flow injection electrochemical biosensor for organophosphorus pesticides  
T. Neufeld, I. Eshkenazi, E. Cohen, J. Rishpon  
*Biosens. Bioelectron.*, **15**, 323 (2000).
6234. Simultaneous monitoring of glucose and lactate by an interference and cross-talk free dual electrode amperometric biosensor based on electropolymerized thin films  
F. Palmisano, R. Rizzi, D. Centonze, P. G. Zambonin  
*Biosens. Bioelectron.*, **15**, 531 (2000).
6235. Amperometric flow-injection determination of sucrose with a mediated tri-enzyme electrode based on sucrose phosphorylase and electrocatalytic oxidation of NADH  
E. Maestre, I. Katakis, E. Dominguez  
*Biosens. Bioelectron.*, **16**, 61 (2001).
6236. Superporous agarose monoliths as mini-reactors in flow injection systems: on-line monitoring of metabolites and intracellular enzymes in microbial cultivation processes  
M. P. Nandakumar, E. Palsson, Per-Erik Gustavsson, Per-Olof Larsson, B. Mattiasson  
*Bioseparation*, **9**, 193 (2000).
6237. Determination of depolymerization kinetics of amylose, amylopectin, and soluble starch by *Aspergillus oryzae*  $\alpha$ -amylase using a fluorimetric  
2-p-toluidinylnaphthalene-6-sulfonate/flow-injection analysis system  
N. Battle, J. V. Carbonell, J. M. Sendra  
*Biotechnol. Bioeng.*, **70**, 544 (2000).
6238. Development of the ultra-micro flow injection analysis  
D. Ishii  
*Bunseki*, **2000**, 690.
6239. Practical use of a capillary in analytical chemistry  
D. Ishii  
*Bunseki Kagaku*, **49**, 929 (2000).
6240. Simultaneous determination of galactose and galactose-1-phosphate in a dried-blood disc by semi-micro flow-injection analysis using an enzyme-immobilized column and its application to neonatal screening for galactosemia  
K. Ito, M. Mitome, H. Arakawa, M. Maeda  
*Bunseki Kagaku*, **49**, 953 (2000).
6241. Amperometric enzymatic detection of phenols for HPLC  
M. Szewczynska, M. Trojanowicz  
*Chem. Anal. (Warsaw)*, **45**, 667 (2000).
6242. Flow-injection chemiluminescence determination of hydrazine using on-line electrogenerated BrO<sup>-</sup> as the oxidant  
B. Li, Z. Zhang, X. Zheng, C. Xu  
*Chem. Anal. (Warsaw)*, **45**, 709 (2000).
6243. Determination of antimony in natural waters by atomic absorption spectrometry with flow-injection hydride generation  
P. Niedzielski, J. Siepak  
*Chem. Anal. (Warsaw)*, **46**, 51 (2001).
6244. On-line preconcentration using an Amberlite XAD-16 resin and determination of cadmium by flow-injection-inductively coupled plasma atomic emission spectrometry  
H. A. Acevedo, F. A. Vazquez, R. G. Wuilloud, R. A. Olsina, L. D. Martinez  
*Chem. Anal. (Warsaw)*, **46**, 59 (2001).
6245. Mini-scale solid-phase collection and concentration of ultra-trace elements in natural waters for the simultaneous multielement determination by air-flow injection/ICP-mass spectrometry  
M. Oshima, Kyue-Hyung Lee, Yunhua Gao, S. Motomizu  
*Chem. Lett.*, **2000**, 1338.
6246. Metal-modified diamond electrode as an electrochemical detector for glucose

- R. Uchikado, T. N. Rao, D. A. Tryk, A. Fujishima  
*Chem. Lett.*, **2001**, 144.
6247. Microscale absorption procedure for simple and rapid gas-liquid extraction and its application to the determination of nitrogen dioxide in the atmosphere coupled with microflow injection analysis  
L. Ma, M. Oshima, S. Motomizu  
*Chem. Lett.*, **2001**, 318.
6248. Portable immunosensor for the fast amperometric detection of anti-hantavirus antibodies  
S. Vetcha, I. Abdel-Hamid, P. Atanasov, D. Ivnitski, E. Wilkins, B. Hjelle  
*Electroanalysis*, **12**, 1034 (2000).
6249. BHA and TBHQ quantification in cosmetic samples  
C. D. Garcia, P. I. Ortiz  
*Electroanalysis*, **12**, 1074 (2000).
6250. A simple FIA-system for simultaneous measurements of glucose and lactate with amperometric detection  
S. A. M. Marzouk, H. E. M. Sayour, A. M. Ragab, W. E. Cascio, S. S. M. Hassan  
*Electroanalysis*, **12**, 1304 (2000).
6251. Epoxy matrix membrane potentiometric sensor based on zirconium titanium phosphate ion exchanger for flow injection analysis of nitrite  
S. S. M. Hassan, S. A. Marei, I. H. Badr, H. A. Arida  
*Electroanalysis*, **12**, 1312 (2000).
6252. Evaluation of a four sensor array used in a wall-jet configured flow cell for flow injection potentiometry  
L. T. Dimitrakopoulos, T. Dimitrakopoulos  
*Electroanalysis*, **13**, 161 (2001).
6253. Design of a multilayer cholesterol amperometric biosensor for preparation and use in flow systems  
Juan-Carlos Vidal, E. Garcia-Ruiz, Juan-Ramon Castillo  
*Electroanalysis*, **13**, 229 (2001).
6254. Study of the scale inhibition by HEDP in a channel flow cell using a quartz crystal microbalance  
C. Garcia, G. Courbin, F. Ropital, C. Fiaud  
*Electrochim. Acta*, **46**, 973 (2001).
6255. Flow injection chemiluminescence determination of adreson with electrogenerated manganese(III)  
X. Chen, C. Zhang, J. Lu  
*Fenxi Huaxue*, **28**, 1126 (2000).
6256. Flow injection-catalytic spectrophotometric determination of mercury(II)  
C. Ye, J. Fan, S. Feng, X. Huang  
*Fenxi Huaxue*, **28**, 1155 (2000).
6257. Determination of lead in human serum by flow injection-hydride generation-quartz tube atomic absorption spectrometry  
P. Qou, H. Zhang, L. Lin  
*Fenxi Huaxue*, **28**, 1183 (2000).
6258. Determination of amoxicillin by flow injection on-line filtration-dilution-atomic absorption spectrometry  
Yuan Li, Huiyun Lang, Hui'e Li, Zhihai Xie  
*Fenxi Huaxue*, **28**, 1252 (2000).
6259. Rapid determination of trace phosphate by flow-injection analysis  
X. Zhang, X. Li, X. Jiang, Y. Deng  
*Fenxi Huaxue*, **28**, 1316 (2000).
6260. Matrix effects in flow injection-inductively coupled plasma mass spectrometry  
S. Cao, H. Chen, X. Zeng, D. Wang  
*Fenxi Huaxue*, **28**, 1476 (2000).
6261. Flow-injection quantification of trace lead in water by on-line preconcentration-flame atomic absorption spectrometry  
X. Zhang  
*Fenxi Huaxue*, **28**, 1493 (2000).
6262. Flow injection-chemiluminescence determination of oxytetracycline hydrochloride  
F. Nie, Z. Wang, Y. He  
*Fenxi Huaxue*, **28**, 1516 (2000).
6263. Determination of ascorbic acid by flow injection chemiluminescence suppression method  
F. Li, W. Zhang, G. Zhu  
*Fenxi Huaxue*, **28**, 1523 (2000).
6264. Determination of trace nitrite by flow injection-catalytic spectrophotometry  
Y. Zi, L. Duan, C. Lu  
*Fenxi Huaxue*, **29**, 186 (2001).
6265. Determination of trace amounts of sulfide by flow-injection chemiluminescence method  
J. Du, Y. Li, J. Lu  
*Fenxi Huaxue*, **29**, 189 (2001).
6266. Flow injection spectrophotometric determination of metoclopramide  
J. Fan, Y. Chen, C. Ye, S. Feng  
*Fenxi Huaxue*, **29**, 216 (2001).
6267. Determination of phenol by flow injection-potentiometry in bromine/bromide redox buffer  
Q. Xu, J. Wang, K. Jiao  
*Fenxi Huaxue*, **29**, 244 (2001).
6268. C<sub>18</sub> silica gel column-flow injection-inductively coupled plasma-mass spectrometry and its application in seawater analysis



- C. Yang, X. Wu, S. Gu, Z. Zhuang, X. Wang  
*Fenxi Huaxue*, **29**, 283 (2001).
6269. Flow injection-catalytic spectrophotometric determination of trace phenols in wastewater by using stopped-flow technique  
Y. Chen, J. Fan, C. Ye, S. Feng  
*Fenxi Huaxue*, **29**, 339 (2001).
6270. Application and development of catalytic fluorometry  
B. Tang, F. Han, L. Ma  
*Fenxi Huaxue*, **29**, 347 (2001).
6271. Flow injection analysis with in-line solid phase extraction for the spectrophotometric determination of sulfonated and unsulfonated Quinoline Yellow in cologne  
L. F. Capitan-Vallvey, M. C. Valencia, E. A. Nicolas  
*Fresenius' J. Anal. Chem.*, **367**, 672 (2000).
6272. A flow injection chemiluminescence system for the determination of isoniazid  
Y. Huang, Z. Zhang, D. Zhang, J. Lv  
*Fresenius' J. Anal. Chem.*, **368**, 429 (2000).
6273. A sequential injection cold-vapor atomic absorption method for the determination of total mercury  
W. E. Doering, R. R. James, R. T. Echols  
*Fresenius' J. Anal. Chem.*, **368**, 475 (2000).
6274. Speciation of major arsenic species in seawater by flow injection hydride generation atomic absorption spectrometry  
J. Y. Cabon, N. Cabon  
*Fresenius' J. Anal. Chem.*, **368**, 484 (2000).
6275. Extraction of antimony and arsenic from fresh and freeze-dried plant samples as determined by HG-AAS  
M. Krachler, H. Emons  
*Fresenius' J. Anal. Chem.*, **368**, 702 (2000).
6276. Application of a modified simplex method to the multivariable optimization of a new FIA system for the determination of osmium  
H. Xu, H. Liu, H. Wang, L. Dong, X. Chen, Z. Hu  
*Fresenius' J. Anal. Chem.*, **368**, 780 (2000).
6277. Determination of low-level mercury based on a renewable-drops sensing technique  
Rong-Hua Yang, Ke-Min Wang, D. Xiao, K. Luo, Xiao-Hai Yang  
*Fresenius' J. Anal. Chem.*, **368**, 797 (2000).
6278. Quinoprotein glucose dehydrogenase modified thick-film electrodes for the amperometric detection of phenolic compounds in flow injection analysis  
A. Rose, F. W. Scheller, U. Wollenberger, D. Pfeiffer  
*Fresenius' J. Anal. Chem.*, **369**, 145 (2001).
6279. Trace metal analysis of natural waters and biological samples by axial inductively coupled plasma time of flight mass spectrometry (ICP-TOFMS) with flow injection on-line adsorption preconcentration using a knotted reactor  
K. Benkhedda, H. G. Infante, E. Ivanova, F. C. Adams  
*J. Anal. At. Spectrom.*, **15**, 1349 (2000).
6280. Flow injection analysis with inductively coupled plasma time-of-flight mass spectrometry for the simultaneous determination of elements forming hydrides and its application to urine  
G. Centineo, B. Montes Maria, A. Sanz-Medel  
*J. Anal. At. Spectrom.*, **15**, 1357 (2000).
6281. Determination of tellurium in a nickel-based alloy by flow injection vapor generation inductively coupled plasma mass spectrometry  
Yen-Liang Chen, Shiuh-Jen Jiang  
*J. Anal. At. Spectrom.*, **15**, 1578 (2000).
6282. Application of Doehlert matrix and factorial designs in the optimization of experimental variables associated with the on-line preconcentration and determination of zinc by flow injection inductively coupled plasma atomic emission spectrometry  
M. Zougagh, P. C. Rudner, A. Garcia de Torres, J. M. Cano Pavon  
*J. Anal. At. Spectrom.*, **15**, 1589 (2000).
6283. Determination of selenium in sediments by inductively coupled plasma-mass spectrometry: high resolution versus hydride generation  
C. Moor J. Kobler  
*J. Anal. At. Spectrom.*, **16**, 285 (2001).
6284. Exchange reactions of sulfates and arylazo sulfonates in organoaqueous solutions in the flow  
V. V. Kuznetsov, Yu. V. Ermolenko, M. L. Bykhovskii  
*J. Anal. Chem.*, **55**, 771 (2000).
6285. Online flow-injection determination of trace zinc in natural waters  
L. N. Moskvina, G. L. Grigor'ev, A. L. Moskvina, N. M. Yakimova, O. A. Pisareva  
*J. Anal. Chem.*, **56**, 66 (2001).
6286. Flow injection spectrophotometric determination of copper, iron, manganese, and zinc in animal feeds using a common manifold  
Jing-Fu Liu, Gui-Bin Jiang, Ying-Di Feng  
*J. AOAC Int.*, **83**, 1293 (2000).
6287. Determination of phenolic sympathomimetic drugs in pharmaceutical samples and



- biological fluids by flow-injection chemiluminescence  
F. A. Aly, S. A. Al-Tamimi, A. A. Alwarthan  
*J. AOAC Int.*, **83**, 1299 (2000).
6288. Determination of phenylephrine hydrochloride by flow injection analysis with chemiluminescence detection  
Y. F. Mestre, L. L. Zamora, J. M. Calatayud  
*J. AOAC Int.*, **84**, 13 (2001).
6289. Determination of sulfate in natural and residual waters by turbidimetric flow-injection analysis  
I. P. A. Morais, A. O. S. S. Rangel, M. R. S. Souto  
*J. AOAC Int.*, **84**, 59 (2001).
6290. Determination of anthocyanins in wine based on flow-injection, liquid-solid extraction, continuous evaporation and high-performance liquid chromatography-photometric detection  
E. Mataix, M. D. Luque de Castro  
*J. Chromatogr., A*, **910**, 255 (2001).
6291. Mass spectrometric confirmation criterion for production spectra generated in flow-injection analysis. Environmental application  
R. B. Geerdink, W. M. A. Niessen, U. A. T. Brinkman  
*J. Chromatogr., A*, **910**, 291 (2001).
6292. On-line flow sample stacking in a flow injection analysis-capillary electrophoresis system: 2000-fold enhancement of detection sensitivity for priority phenol pollutants  
P. Kuban, M. Berg, C. Garcia, B. Karlberg  
*J. Chromatogr., A*, **912**, 163 (2001).
6293. Design of high performance flow-through cells for trace analysis of metals and organic compounds  
T. Sakai  
*J. Flow Injection Anal.*, **17**, 156 (2000).
6294. Flow injection determination of ethanol in brazilian brandy with a compact, low-cost refractive index detector  
S.-L. Liu, M. Tubino, F. Augusto  
*J. Flow Injection Anal.*, **17**, 166 (2000).
6295. Practical approaches to improve the determination of microamounts of Cr(VI) by spectrophotometric flow injection analysis with a single line manifold  
F. A. Inon, F. J. Andrade, M. B. Tudino, O. E. Troccoli  
*J. Flow Injection Anal.*, **17**, 174 (2000).
6296. Enrichment of trace iron with activated carbon for its spectrophotometric flow injection determination in tap and river water samples  
S. Kawakubo, M. Iwatsuki  
*J. Flow Injection Anal.*, **17**, 180 (2000).
6297. Determination of nitrogen dioxide in the atmosphere by microflow-injection absorptiometry with a portable-type flow system after batchwise absorption collection  
L. Ma, M. Oshima, T. Takayanagi, S. Motomizu  
*J. Flow Injection Anal.*, **17**, 188 (2000).
6298. Biosensing of benzoate in food based on the inhibitory activity for D-amino acid oxidase  
M. Higuchi, K. J. M. Abesundara, K. Matsumoto  
*J. Flow Injection Anal.*, **17**, 194 (2000).
6299. Flow injection double solvent extraction determination of anionic surfactants  
W. Praditwengkum, K. Grudpan  
*J. Flow Injection Anal.*, **17**, 202 (2000).
6300. Strategies for the improvement of an amperometric cholesterol biosensor based on electropolymerization in flow systems: use of charge-transfer mediators and platinization of the electrode  
J. C. Vidal, E. Garcia-Ruiz, J. R. Castillo  
*J. Pharm. Biomed. Anal.*, **24**, 51 (2000).
6301. Cost-effective flow injection analysis systems for acetic acid  
K. Grudpan, P. Sritharathikhun, J. Jakmune  
*Lab. Rob. Autom.*, **12**, 129 (2000).
6302. A portable flow-injection instrument incorporating a miniature spectrometer for the real-time monitoring of nitrate in rivers  
S. Coles, M. Nimmo, P. Worsfold  
*Lab. Rob. Autom.*, **12**, 183 (2000).
6303. An optical membrane redox chemical sensor for the determination of ascorbic acid  
D. T. Newcombe, T. J. Cardwell, R. W. Cattrall, S. D. Kolev  
*Lab. Rob. Autom.*, **12**, 200 (2000).
6304. Enhancement of selectivity of electrochemical detectors by kinetic discrimination in flow-injection systems  
T. K. Vel Krawczyk, M. Trojanowicz, N. El-Murr  
*Lab. Rob. Autom.*, **12**, 205 (2000).
6305. Thin cathodically electroplated chalcogenide-based ion-selective membranes for flow-injection application  
M. T. Neshkova  
*Lab. Rob. Autom.*, **12**, 216 (2000).
6306. Flow system for calibration and interference examination in two-component analysis  
P. Koscielniak, M. Herman  
*Lab. Rob. Autom.*, **12**, 228 (2000).
6307. Turbidimetric determination of

- orthophosphate in digested plant material by flow-injection analysis  
 Maria-Celeste T. Diniz, A. F. Oliveira, O. Fatibello-Filho  
*Lab. Rob. Autom.*, **12**, 236 (2000).
6308. Development of hardware and software for on-line sample preparation using sequential-injection analysis  
 J. Y. Neira, N. Reyes, J. A. Nobrega  
*Lab. Rob. Autom.*, **12**, 246 (2000).
6309. Spectrophotometric determination of phosphite in fertilizers in a flow injection system with online sample preparation  
 J. A. G. Neto, H. A. Ito, K. das Gracias Fernandes, M. de Moraes, A. A. Cardoso  
*Lab. Rob. Autom.*, **12**, 286 (2000).
6310. Application of partial least squares calibration for multicomponents determination by flow injection-solid phase spectrophotometry  
 F. S. Oliveira, L. S. G. Teixeira, M. Korn  
*Lab. Rob. Autom.*, **12**, 305 (2000).
6311. An investigation of the chemiluminescence reaction in the sodium hypochlorite-folic acid-semicarbazide hydrochloride system  
 F. Nie, Y. He, J. Lu  
*Microchem. J.*, **65**, 319 (2000).
6312. UV spectrophotometric flow-injection assay of tetracycline antibiotics retained on sephadex QAE A-25 in drug formulations  
 A. R. Medina, M. G. G. Marin, M. L. F. De Cordova, A. M. Diaz  
*Microchem. J.*, **65**, 325 (2000).
6313. Trace elements in bovine muscle: an ongoing project for a new certified reference material  
 S. Caroli, M. Spagnoli, G. Forte, M. Alessandrelli, R. Cresti, S. D'Ilio, J. Pauwels, G. N. Kramer, G. Zaray  
*Microchem. J.*, **67**, 235 (2000).
6314. Occupational exposure of goldsmith workers of the area of Rome to potentially toxic metals as monitored through hair analysis  
 S. D'Ilio, N. Violante, O. Senofonte, S. Caroli  
*Microchem. J.*, **67**, 343 (2000).
6315. Development of biosensors based on hexacyanoferrates  
 I. L. de Mattos, L. Gorton, T. Laurell, A. Malinauskas, A. A. Karyakin  
*Talanta*, **52**, 791 (2000).
6316. Sequential determination of Se(IV) and Se(VI) by flow injection-hydride generation-atomic absorption spectrometry with HCl/HBr microwave aided pre-reduction of Se(VI) to Se(IV)  
 M. Galignani, M. Valero, M. R. Brunetto, J. L. Burguera, M. Burguera, Y. P. de Pena  
*Talanta*, **52**, 1015 (2000).
6317. Flow injection determination of iodide ion in a photographic developing solution using iodide ion-selective electrode detector  
 T. Masadome, R. Sonoda, Y. Asano  
*Talanta*, **52**, 1123 (2000).
6318. Differential electrolytic potentiometry, a detector in flow injection analysis for oxidation-reduction reactions  
 A. M. S. Abulkibash, M. E. Koken, M. M. Khaled, S. M. Sultan  
*Talanta*, **52**, 1139 (2000).
6319. Determination of clenbuterol in pharmaceutical preparations by reaction with o-phthalaldehyde using a flow-injection fluorimetric procedure  
 C. Lopez-Erroz, P. Vinas, F. J. Cerdan, M. Hernandez-Cordoba  
*Talanta*, **53**, 47 (2000).
6320. Flow injection spectrofluorimetric determination of reserpine in tablets by on-line acetone sensitized photochemical reaction  
 H. Chen, Q. He  
*Talanta*, **53**, 463 (2000).
6321. Minimization of lead and copper interferences on spectrophotometric determination of cadmium using electrolytic deposition and ion-exchange in multi-commutation flow system  
 J. A. Gomes Neto, A. P. Oliveira, G. P. G. Freshi, C. S. Dakuzaku, M. de Moraes  
*Talanta*, **53**, 497 (2000).
6322. Chemiluminescence of cobalt(II)-hydrogen peroxide-hydrogen carbonate in the absence of luminescent reagents  
 S. Zhang, Y. Wu, H. Li  
*Talanta*, **53**, 609 (2000).
6323. Coulometric detector based on porous carbon felt working electrode for flow injection analysis  
 G. N. Chen, J. S. Liu, J. P. Duan, H. Q. Chen  
*Talanta*, **53**, 651 (2000).
6324. Determination of some catechol derivatives by a flow injection electrochemiluminescent inhibition method  
 Y.-G. Sun, H. Cui, Y.-H. Li, X.-Q. Lin  
*Talanta*, **53**, 661 (2000).
6325. Flow-injection analysis chemiluminescence detection combined with microdialysis sampling for studying protein binding of drug  
 Y. Huang, Z. Zhang, D. Zhang, J. Lv  
*Talanta*, **53**, 835 (2001).

6326. Spectrophotometric determination of acid volatile sulfide in river sediments by sequential injection analysis exploiting the methylene blue reaction  
M. S. P. Silva, I. S. da Silva, G. Abate, J. C. Masini  
*Talanta*, **53**, 843 (2001).
6327. Chemiluminescence determination of some fluoroquinolone derivatives in pharmaceutical formulations and biological fluids using  $[\text{Ru}(\text{bipy})_3^{2+}]\text{-Ce(IV)}$  system  
F. A. Aly, S. A. Al-Tamimi, A. A. Alwarthan  
*Talanta*, **53**, 885 (2001).
6328. Determination of ethanol in liquor by near-infrared spectrophotometry with flow injection  
P. Tipparat, S. Lapanantnoppakhun, J. Jakmunee, K. Grudpan  
*Talanta*, **53**, 1199 (2001).
6329. Flow injection spectrophotometric analysis of lead in human saliva for monitoring environmental pollution  
M. Luconi, M. F. Silva, R. A. Olsina, L. Fernandez  
*Talanta*, **54**, 45 (2001).
6330. Flow injection determination of cobalt after its sorption onto polyurethane foam loaded with 2-(2-thiazolylazo)-p-cresol (TAC)  
R. J. Cassella, V. A. Salim, L. S. Jesuino, R. E. Santelli, S. L. C. Ferreira, M. S. de Carvalho  
*Talanta*, **54**, 61 (2001).
6331. Continuous automatic determinations of organic compounds by flow injection-atomic absorption spectrometry  
M. C. Yebra  
*TrAC, Trends Anal. Chem.*, **19**, 629 (2000).