

FIA Bibliography(29)

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.

4287. FIA Bibliography(28)
N. Teshima, *J. Flow Injection Anal.*, **14**, 203 (1997).
4288. Determination of orthophosphate, ammonia, glucose, and glutamate using a bioprocess solution analyzer
S. Stieg, *Am. Biotechnol. Lab.*, **16**, 42 (1998).
4289. Enhanced ion chromatography with sequential flow injection analysis. Determination of common anions and nitrite
S. V. Karmarkar, *Am. Environ. Lab.*, **10**, 6 (1998).
4290. Analysis of copper content in alloy copper by a combination of electrography and flow injection analysis
X. Zhan, X. Jiang, D. He, *Am. Lab.*, **30**, 30 (1998).
4291. Determination of iodide in brines by membrane permeation flow injection analysis
J. T. Hakedal, P. K. Egeberg, *Analyst*, **122**, 1235 (1997).
4292. Determination of hexavalent chromium in industrial hygiene samples using ultrasonic extraction and flow injection analysis
J. Wang, K. Ashley, E. R. Kennedy, C. Neumeister, *Analyst*, **122**, 1307 (1997).
4293. Flow-injection detector incorporating a screen-printed disposable amperometric biosensor for monitoring organophosphate pesticides
J. J. Rippeth, T. D. Gibson, J. P. Hart, I. C. Hartley, G. Nelson, *Analyst*, **122**, 1425 (1997).
4294. Optimization of a flow injection differential potentiometric system with two identical electrodes for the determination of calcium ion in water with improved sensitivity
L. M. B. C. Alvares-Ribeiro, A. A. S. C. Machado, *Analyst*, **122**, 1435 (1997).
4295. Determination of dissolved reactive phosphorus in estuarine waters using a reversed flow injection manifold
S. Auflitsch, D. M. W. Peat, P. J. Worsfold, S. Auflitsch, I. D. McKelvie, *Analyst*, **122**, 1477 (1997).
4296. Enzymic flow injection determination of free L-carnitine in infant formulas
I. M. P. L. V. O. Ferreira, M. A. Ferreira, *Analyst*, **122**, 1539 (1997).
4297. Enzymic determination of peroxides in non-aqueous media
G. P. Avila, M. de la Guardia, *Analyst*, **122**, 1543 (1997).
4298. On-line microdistillation-based preconcentration technique for ammonia measurement
R. Lane, C. W. K. Chow, D. E. Davey, D. E. Mulcahy, R. Lane, S. McLeod, *Analyst*, **122**, 1549 (1997).
4299. On-line determination of sulfide by the 'Methylene Blue Method' with diode-laser-based fluorescence detection
M. A. Spaziani, M. Tinani, M. K. Carroll, *Analyst*, **122**, 1555 (1997).
4300. Determination of cadmium in mussels by flame atomic absorption spectrometry with preconcentration on a chelating resin in a flow injection system
M. F. Enriquez-Dominguez, M. C. Yebra-Biurrun, B. M. P. Bermejo, *Analyst*, **123**, 105 (1998).
4301. Room temperature phosphorescence optosensor for anthracyclines
F. Alava-Moreno, M. J. Valencia-Gonzalez, M. E. Diaz-Garcia, *Analyst*, **123**, 151 (1998).
4302. Selective fluorescent chemosensor for fructose
G. P. Luis, M. Granda, R. Badia, M. E. Diaz-Garcia, *Analyst*, **123**, 155 (1998).
4303. On-line gas-diffusion separation and fluorimetric detection for the determination of acid dissociable cyanide
E. Miralles, D. Prat, R. Compano, M. Granados, *Analyst*, **123**, 217 (1998).

4304. Flow injection determination of sulfite in wines and fruit juices by using a bulk acoustic wave impedance sensor coupled to a membrane separation technique
X. Su, W. Wei, L. Nie, S. Yao, *Analyst*, **123**, 221 (1998).
4305. Application of 2-mercaptopbenzothiazole-modified silica gel to on-line preconcentration and separation of silver for its atomic absorption spectrometric determination
Q. Pu, Q. Sun, Z. Hu, Z. Su, *Analyst*, **123**, 239 (1998).
4306. Silver(I)-selective membrane electrodes based on mono- to quadridentate podands
S. S. Lee, M. Ahn, S. B. Park, *Analyst*, **123**, 383 (1998).
4307. Determination of trehalose by flow injection analysis using immobilized trehalase
H. D. Meyer zu Duttingdorf, B. Bachmann, M. Buchholz, W. Leuchtenberger, *Anal. Biochem.*, **253**, 8 (1997).
4308. Bioligand interaction assay by flow injection absorptiometry
J. Ruzicka, A. Ivaska, *Anal. Chem.*, **69**, 5024 (1997).
4309. A direct injection high-efficiency nebulizer for inductively coupled plasma mass spectrometry
J. A. McLean, H. Zhang, A. Montaser, *Anal. Chem.*, **70**, 1012 (1998).
4310. A Method Based on ICP-MS for the Analysis of Alzheimer's Amyloid Plaques
D. Beauchemin, R. Kisilevsky, *Anal. Chem.*, **70**, 1026 (1998).
4311. Automated on-line isotope dilution analysis with ICP-MS using sandwich flow injection
A. A. Specht, D. Beauchemin, *Anal. Chem.*, **70**, 1036 (1998).
4312. Oxidation of azide anion at boron-doped diamond thin-film electrodes
J. Xu, G. M. Swain, *Anal. Chem.*, **70**, 1502 (1998).
4313. Photometric screening-test for heavy metals under flow injection conditions using extractive determination with dithizone
B. Romberg, H. Muller, *Anal. Chim. Acta*, **353**, 165 (1997).
4314. Flow injection on-line coprecipitation-preconcentration system using copper(II) diethyldithiocarbamate as carrier for flame atomic absorption spectrometric determination of cadmium, lead and nickel in environmental samples
H. Chen, J. Jin, Y. Wang, *Anal. Chim. Acta*, **353**, 181 (1997).
4315. Combination of flow injection with capillary electrophoresis. Part 2. Chiral separation of intermediate enantiomers in chloramphenicol synthesis
Z. Liu, Z. Fang, *Anal. Chim. Acta*, **353**, 199 (1997).
4316. Evaluation of the dialyzing yield of membranes with different composition. Application to the analysis of chloride in fruit juices by flow injection
S. Morais, M. I. Alcaina-Miranda, F. Lazaro, M. Planta, A. Maquieira, R. Puchades, *Anal. Chim. Acta*, **353**, 245 (1997).
4317. Chemiluminescence flow injection analysis of reducing agents based on the luminol reaction
H. Kubo, A. Toriba, *Anal. Chim. Acta*, **353**, 345 (1997).
4318. Determination of bismuth in cod muscle, lake and river sediment by flow injection on-line sorption preconcentration in a knotted reactor coupled with electrothermal atomic absorption spectrometry
E. Ivanova, X. Yan, F. Adams, *Anal. Chim. Acta*, **354**, 7 (1997).
4319. Comparison of liposome amplification and fluorophor detection in flow-injection immunoanalyses
M. Lee, R. A. Durst, R. B. Wong, *Anal. Chim. Acta*, **354**, 23 (1997).
4320. Flow immunoassay using a cation exchange column and fluorescence-labeled antibody for detection of allergen
T. Lim, N. Nakamura, T. Matsunaga, *Anal. Chim. Acta*, **354**, 29 (1997).
4321. Simultaneous flow injection determination of iron(II) and iron(III) with opto-electrochemical detection
B. Haghghi, A. Safavi, *Anal. Chim. Acta*, **354**, 43 (1997).
4322. Flow-injection spectrophotometric determination of sulfite using a crude extract of sweet potato root (*Ipomoea batatas* (L.) Lam.) as a source of polyphenol oxidase
O. Fatibello-Filho, I. da Cruz Vieira, *Anal. Chim. Acta*, **354**, 51 (1997).

4323. On-line sorption preconcentration of chromium(VI) and its determination by flame atomic absorption spectrometry
A. Gaspar, J. Posta, *Anal. Chim. Acta*, **354**, 151 (1997).
4324. A fluorescence flow-injection method for the quantitation of cyanide: its application to the quantitation of bound cyanide in cassava using an immobilized linamarase bioreactor
D. Narinesingh, S. Saroop, T. T. Ngo, *Anal. Chim. Acta*, **354**, 189 (1997).
4325. Highly sensitive flow-injection determination of glucose in plasma using an immobilized pyranose oxidase and a chemiluminometric peroxidase sensor
N. Kiba, A. Itagaki, S. Fukumura, K. Saegusa, M. Furusawa, *Anal. Chim. Acta*, **354**, 205 (1997).
4326. Coconut-based plant tissue reactor for biosensing of catechol in flow injection analysis
A. W. O. Lima, V. B. Nascimento, J. Pedrotti, I. Angnes, *Anal. Chim. Acta*, **354**, 325 (1997).
4327. Catalytic oxidation and flow detection of hydrazine compounds at a Nafion/ruthenium(III) chemically modified electrode
I. G. Casella, M. R. Guascito, A. M. Salvi, E. Desimoni, *Anal. Chim. Acta*, **354**, 333 (1997).
4328. The influence of metabolites on enzyme based flow injection analysis
J. I. Rhee, K. Schugerl, *Anal. Chim. Acta*, **355**, 55 (1997).
4329. Combination of flow injection with capillary electrophoresis. Part 3. On-line sorption column preconcentration capillary electrophoresis system
H. Chen, Z. Fang, *Anal. Chim. Acta*, **355**, 135 (1997).
4330. Usefulness of a ruggedness test in the validation of flow injection analysis systems
L. M. B. C. Alvares-Ribeiro, A. A. S. C. Machado, *Anal. Chim. Acta*, **355**, 195 (1997).
4331. Magnesium ion-selective electrode: optimization and flow injection analysis application
N. A. Chaniotakis, J. K. Tsagatakis, E. A. Moschou, S. J. West, X. Wen, *Anal. Chim. Acta*, **356**, 105 (1997).
4332. Turbidimetric flow-injection determination of total nitrogen and potassium in vegetables
J. L. F. C. Lima, A. O. S. S. Rangel, M. R. S. Souto, E. A. G. Zagatto, *Anal. Chim. Acta*, **356**, 259 (1997).
4333. Direct chemiluminescence determination of ascorbic acid using flow injection analysis
I. B. Agater, R. A. Jewsbury, *Anal. Chim. Acta*, **356**, 289 (1997).
4334. Affinity enzymometric assay for detection of organophosphorus compounds
A. Makower, A. Barmin, T. Morzunova, A. Eremenko, I. Kurochkin, F. Bier, F. Scheller, *Anal. Chim. Acta*, **357**, 13 (1997).
4335. Determination of cyanide as tetracyanonickelate(II) by flow injection and spectrophotometric detection
H. Sulistyarti, T. J. Cardwell, S. D. Kolev, *Anal. Chim. Acta*, **357**, 103 (1997).
4336. Peroxyoxalate chemiluminescence in aqueous solutions: coupling of immobilized enzyme reactors and 1,1'-oxalyldiimidazole chemiluminescence reaction to flow-injection analysis and liquid chromatographic systems
M. Emteborg, K. Irgum, C. Gooijer, U. A. T. Brinkman, *Anal. Chim. Acta*, **357**, 111 (1997).
4337. Chemiluminescence flow sensor for the determination of vitamin B12
W. Qin, Z. Zhang, H. Liu, *Anal. Chim. Acta*, **357**, 127 (1997).
4338. Determination of iron(III) in pharmaceutical samples using dialysis in a sequential injection analysis system
J. F. van Staden, H. du Plessis, R. E. Taljaard, *Anal. Chim. Acta*, **357**, 141 (1997).
4339. Standard additions in flow injection analysis with atomic absorption spectrometry
B. Haghghi, N. Maleki, A. Safavi, *Anal. Chim. Acta*, **357**, 151 (1997).
4340. An investigation of internal pressures in capillary flow injection systems
D. M. Spence, S. R. Crouch, *Anal. Chim. Acta*, **358**, 95 (1998).
4341. Flow injection chemiluminescence determination of hydrazine
A. Safavi, M. R. Baezzat, *Anal. Chim. Acta*, **358**, 121 (1998).
4342. Simultaneous biosensing of inosine monophosphate and glutamate by use of immobilized enzyme reactors
K. Matsumoto, W. Asada, R. Murai, *Anal. Chim. Acta*, **358**, 127 (1998).

4343. A novel FIA configuration for the simultaneous determination of nitrate and nitrite and its use for monitoring an urban waste water treatment plant based on N/D criteria
 D. Gabriel, J. Baeza, F. Valero, J. Lafuente, *Anal. Chim. Acta*, **359**, 173 (1998).
4344. Application of differential electrolytic potentiometry for detection in flow injection analysis
 A. M. S. Abdennabi, M. E. Koken, M. M. Khaled, *Anal. Chim. Acta*, **360**, 195 (1998).
4345. Thermometric sensing of fluoride by adsorption on ceramic hydroxyapatite using flow injection analysis
 S. Salman, K. Ramanathan, B. Danielsson, *Anal. Commun.*, **34**, 329 (1997).
4346. Investigations Into the Simultaneous Determination of Bismuth and Selenium by 'In Atomizer Trapping' Electrothermal Atomic Absorption Spectrometry
 J. Murphy, P. Jones, G. Schlemmer, I. L. Shuttler, *Anal. Commun.*, **34**, 359 (1997).
4347. Pulsed flow chemistry. A new approach to the generation of concentration profiles in flow analysis
 X. D. Wang, T. J. Cardwell, R. W. Cattrall, G. E. Jenkins, *Anal. Commun.*, **35**, 97 (1998).
4348. Determination of zirconium with Xylenol Orange by flow injection spectrophotometry: application to eluates from technetium-99m generators
 K. Grudpan, M. Utamong, C. G. Taylor, *Anal. Commun.*, **35**, 107 (1998).
4349. A bioelectrochemical method for the determination of acetate with immobilized acetate kinase
 X. Tang, G. Johansson, *Anal. Lett.*, **30**, 2469 (1997).
4350. Flow injection determination of L-ascorbic acid in natural juice with biampereometric detection
 M. Cheregi, A. F. Danet, *Anal. Lett.*, **30**, 2625 (1997).
4351. Flow injection determination of hydrogen peroxide using a carbon paste electrode modified with a manganese dioxide film
 K. Schachl, H. Alemu, K. Kalcher, J. Jezkova, I. Svancara, K. Vytras, *Anal. Lett.*, **30**, 2655 (1997).
4352. Application of flow injection method for the determination of thioridazine
 A. Kojlo, E. Wolyniec, H. P. Tarasiewicz, *Anal. Lett.*, **30**, 2733 (1997).
4353. Flow injection determination of chloride ions with spectrophotometric detection
 M. Cheregi, A. F. Danet, *Anal. Lett.*, **30**, 2847 (1997).
4354. Potentiometric flow injection detection of copper(II) with a graphite carbon electrode
 Z. Chen, P. W. Alexander, *Anal. Lett.*, **31**, 13 (1998).
4355. Automatic liquid-liquid extraction flow injection analysis determination of trace amounts of perchlorate with spectrophotometric detection
 A. A. Ensafi, B. Rezaei, *Anal. Lett.*, **31**, 167 (1998).
4356. A sensitive and rapid FIA with an immobilized enzyme column reactor and peroxyoxalate chemiluminescence detection for the determination of total D-amino acids in human plasma
 M. Wada, N. Kuroda, S. Akiyama, K. Nakashima, *Anal. Sci.*, **13**, 945 (1997).
4357. On-line preconcentration of rare earth elements by FIA-ICP-AES
 G. H. Lee, S. A. Park, K. Song, H. Cha, J. Lee, S. C. Lee, *Anal. Sci.*, **13** (Suppl.), 27 (1997).
4358. Micelle enhanced spectrofluorimetric determination of L-ascorbic acid based on laccase-linked coupling reaction using flow-injection stopped-flow technique
 H. Huang, R. Cai, T. Korenaga, X. Zhang, Y. Yang, Y. Du, Y. Zeng, *Anal. Sci.*, **13** (Suppl.), 67 (1997).
4359. Analytical applications of modified lead dioxide electrodes
 J. Lee, Y. S. Lee, I. Yeo, *Anal. Sci.*, **13** (Suppl.), 273 (1997).
4360. Reversed micellar mediated luminol chemiluminescence detection of iron(II, III) combined with on-line solvent extraction using 8-quinolinol
 T. Kyaw, T. Fujiwara, H. Inoue, Y. Okamoto, T. Kumamaru, *Anal. Sci.*, **14**, 203 (1998).
4361. Flow injection analyzer equipped with infrared detection for monitoring chemical processes
 K. E. Creasy, *AT-PROCESS*, **2**, 416 (1997).
4362. The determination of Se by flow injection hydride generation ICP-OES using anion exchange for on-line removal

of copper

S. Moyano, J. A. Gasquez, E. Marchevsky, R. Olsina, L. D. Martinez, *At. Spectrosc.*, **18**, 152 (1997).

4363. Determination of low concentrations of U and Th in carbonate rocks using FI-ICP-MS

L. Halicz, M. Bar-Matthews, A. Ayalon, A. Kaufman, *At. Spectrosc.*, **18**, 175 (1997).

4364. The determination of trace cadmium by flow injection cold vapor generation AAS

M. Liu, S. Xu, *At. Spectrosc.*, **18**, 195 (1997).

4365. Simultaneous determination of copper, cobalt, and zinc by flow injection-pH gradient factor analysis-spectrophotometry

T. Li, Z. Zhang, B. Zhang, T. Cui, *Beijing Gongye Daxue Xuebao*, **23**, 1 (1997).

4366. Simultaneous determination of multi-component phenols in industrial wastewater by fuzzy cluster factor analysis-flow injection spectrophotometry

X. Li, J. Wang, T. Li, B. Zhang, X. Qiu, W. Cheng, *Beijing Gongye Daxue Xuebao*, **23**, 7 (1997).

4367. Detection of staphylococcal enterotoxin B employing a piezoelectric crystal immunosensor

J. L. N. Harteveld, M. S. Nieuwenhuizen, E. R. J. Wils, *Biosens. Bioelectron.*, **12**, 661 (1997).

4368. Application of fuzzy logic in multicomponent analysis by optodes

M. Wollenweber, J. Polster, T. Beckert, H. Schmidt, *Biosens. Bioelectron.*, **12**, 917 (1997).

4369. A chemiluminescent FIA biosensor for phosphate ion monitoring using pyruvate oxidase

H. Nakamura, K. Ikebukuro, S. McNiven, I. Karube, H. Yamamoto, K. Hayashi, M. Suzuki, I. Kubo, *Biosens. Bioelectron.*, **12**, 959 (1997).

4370. Methodological aspects of glucose monitoring with a slow continuous subcutaneous and intravenous ultrafiltration system in rats

W. A. Kaptein, R. H. A. Kemper, M. H. J. Ruiters, K. Venema, R. G. Tiessen, J. Korf, *Biosens. Bioelectron.*, **12**, 967 (1997).

4371. Amperometric mediated carbon paste biosensor based on D-fructose dehydrogenase for the determination of fructose in food analysis

P. A. Paredes, J. Parellada, M. V. Fernandez, I. Katakis, E. Dominguez, *Biosens. Bioelectron.*, **12**, 1233 (1997).

4372. Determination of citrate by FIA using immobilized Enterobacter aerogenes cells and enzyme thermistor/flow microcalorimeter detection

J. Svitell, I. Vostiar, P. Gemeiner, B. Danielsson, *Biotechnol. Tech.*, **11**, 917 (1997).

4373. The development of enzymic sensors for the continuous monitoring of glucose and sucrose

R. Folly, A. Salgado, B. Valdman, F. Valero, *Braz. J. Chem. Eng.*, **14**, 383 (1997).

4374. Flow-injection spectrophotometric determination of albumin in spinal fluid with 5,10,15,20-tetrakis(4-sulfonatophenyl)porphine

S. Igarashi, K. Takahata, J. Nakamura, T. Sudo, *Bunseki Kagaku*, **46**, 995 (1997).

4375. Application of pretreatment methods using electrolysis-generated redox reagents for flow analysis

H. Tanaka, *Bunseki Kagaku*, **47**, 79 (1998).

4376. Irreversible and reversible adsorption of some heavy transition metals on graphitic carbons from dilute aqueous solutions

A. J. Groszek, *Carbon*, **35**, 1329 (1997).

4377. Determination of damaged starch and diastatic activity in wheat flour using a flow-injection analysis biosensor method

R. Haginoya, K. Sakai, T. Komatsu, S. Nagao, K. Yokoyama, T. Takeuchi, R. Matsukawa, I. Karube, *Cereal Chem.*, **74**, 745 (1997).

4378. FIA system for fast glucose measurement in bioprocesses

K. Schoengarth, B. Hitzmann, K. Friehs, *Chem.-Ing.-Tech.*, **70**, 297 (1998).

4379. Electrochemical detection of alcohols and carbohydrates at a glassy carbon electrode coated with a poly(phenylene oxide) film containing immobilized 2,2,6,6-tetramethylpiperidinyl-1-oxyl (TEMPO)

Y. Yamauchi, H. Maeda, H. Ohmori, *Chem. Pharm. Bull.*, **45**, 2024 (1997).

4380. Evaluation of a miniaturized thermal biosensor for the determination of glucose in whole blood
U. Harborn, B. Xie, R. Venkatesh, B. Danielsson, *Clin. Chim. Acta*, **267**, 225 (1997).
4381. An automatic procedure for determination of available iron in Indian soils
S. Chikhalikar, K. S. Patel, *Commun. Soil Sci. Plant Anal.*, **28**, 1859 (1997).
4382. Study of alizarin violet-OP-H₂O₂-Ti (IV) chemiluminescence system
X. Zhu, Z. Yu, *Dongbei Daxue Xuebao, Ziran Kexueban*, **18**, 338 (1997).
4383. Amperometric sensing of ammonia in aqueous solutions using a polyaniline-modified electrode in flow injection systems
M. Trojanowicz, K. T. Krawczynski, M. Zmorzynska, L. Campanella, *Electroanalysis*, **9**, 1062 (1997).
4384. Hydrocarbon pasting liquids for improved tyrosinase-based carbon-paste phenol biosensors
J. Wang, F. Lu, S. A. Kane, Y. K. Choi, M. R. Smyth, K. Rogers, *Electroanalysis*, **9**, 1102 (1997).
4385. Graphite-Teflon-peroxidase composite electrodes. Application to the direct determination of glucose in musts and wines
M. A. del Cerro, G. Cayuela, A. J. Reviejo, J. M. Pingarron, J. Wang, *Electroanalysis*, **9**, 1113 (1997).
4386. Photo-cured ammonium- and hydrogen ion-selective coated wire electrodes used simultaneously in a portable battery-powered flow injection analyzer
P. W. Alexander, T. Dimitrakopoulos, D. B. Hibbert, *Electroanalysis*, **9**, 1331 (1997).
4387. Critical comparison of paraffin carbon paste and graphite-poly(tetrafluoroethylene) composite electrodes concerning the electroanalytical behavior of various antioxidants of different hydrophobicity
E. Diego, L. Agui, A. Gonzalez-Cortes, P. Yanez-Sedeno, J. M. Pingarron, J. M. Kauffmann, *Electroanalysis*, **10**, 33 (1998).
4388. Determination of chloride in domestic water by flow injection analysis integrated with dual-beam spectrophotometry
Z. Zhao, *Fenxi Ceshi Xuebao*, **16**, 32 (1997).
4389. Design and application of devices for flow injection analysis
S. Lin, *Fenxi Ceshi Yiqi Tongxun*, **7**, 194 (1997).
4390. Flow-injection/chemiluminescence sensor for the determination of ascorbic acid
F. Wang, W. Qin, Z. Zhang, *Fenxi Huaxue*, **25**, 1255 (1997).
4391. Study of luminol-potassium periodate-hydrogen peroxide chemiluminescent system by flow injection
F. Li, Y. Zhou, G. Zhu, *Fenxi Huaxue*, **25**, 1318 (1997).
4392. Photochemical flow-injection spectrophotometric determination of nitrate
A. Sun, H. Wang, D. Liu, *Fenxi Huaxue*, **25**, 1334 (1997).
4393. Flow injection analysis for determination of trace phosphorus arsenic and silicon with fluorescence quenching
G. Song, *Fenxi Huaxue*, **25**, 1404 (1997).
4394. Measurement of the number of mixing tanks of the flow injection analysis system
N. Wu, H. Cheng, *Fenxi Huaxue*, **25**, 1420 (1997).
4395. Flow-injection chemiluminescence system for determination of copper based on immobilized reagents
H. Chen, W. Qin, *Fenxi Huaxue*, **25**, 1472 (1997).
4396. Flow injection on-line preconcentration and simultaneous spectrophotometric determination of gold, palladium and silver
H. Song, H. Wang, M. Song, D. Wang, *Fenxi Huaxue*, **26**, 7 (1998).
4397. Determination of fluoride in tap water by electroosmosis pump flow injection - spectrophotometry
Y. He, W. Gan, M. Zhang, M. Zheng, R. Zeng, G. Jin, *Fenxi Huaxue*, **26**, 125 (1998).
4398. Flow injection-catalytic spectrophotometry for determination of nitrite in medicine
L. Gao, Z. Zhang, Q. Liu, *Fenxi Huaxue*, **26**, 170 (1998).
4399. Flow injection-spectrophotometric determination of sulfate in water with dimethylsulfonazo-III

- A. Sun, D. Liu, W. Guo, *Fenxi Huaxue*, **2** 6, 207 (1998).
4400. Determination of trace ascorbic acid by flow injection chemiluminescence method
A. Shen, B. Xu, M. Ji, J. Wu, *Fenxi Kexue Xuebao*, **1** 3, 347 (1997).
4401. Determination of trace tellurium using flow injection system of on-line ion-exchange preconcentration and hydride generation-atomic fluorescence spectrometry
Z. Tang, S. Zhang, H. Qiu, G. Wang, Z. Jin, *Fenxi Shiyanshi*, **1** 6, 21 (1997).
4402. Study on determination of acetaldehyde by flow injection chemiluminescence
G. Yao, Q. Liu, Z. Geng, *Fenxi Shiyanshi*, **1** 6, 30 (1997).
4403. Study on chemiluminescence system of KMnO₄-Na₂S₂O₈-riboflavin
L. Li, M. Yang, M. Feng, J. Lu, *Fenxi Shiyanshi*, **1** 6, 33 (1997).
4404. Study on flow-injection chemiluminescent assays of morphinan alkaloids
J. Li, *Fenxi Shiyanshi*, **1** 6, 41 (1997).
4405. Determination of trace iridium in precious metal samples by flow injection-Tween 40 chemiluminescent system
H. Han, Q. Luo, X. Yu, *Fenxi Shiyanshi*, **1** 6, 45 (1997).
4406. Study of masking properties of thiolactic acid by merging zone flow injection spectrophotometric method
H. Chen, A. Pan, J. Mo, *Fenxi Shiyanshi*, **1** 6, 46 (1997).
4407. On-line determination of lead in biological specimen by flame atomic absorption spectrometry with solvent extraction flow injection
S. Qin, Y. Liang, S. Hu, Z. Jin, S. Lin, *Fenxi Shiyanshi*, **1** 6, 57 (1997).
4408. On-line extraction flow injection analysis for determination of trace lead in nickel sulfate electrolyte by atomic absorption spectrometry Y. Zheng, X. Wu, Y. Gao, X Cao, *Fenxi Shiyanshi*, **1** 6, 57 (1997).
4409. Rapid determination of trace phosphorus by flow injection differential kinetic chemiluminescence
H. Jiang, Z. Wang, J. Li, J. Lu, *Fenxi Shiyanshi*, **1** 6, 64 (1997).
4410. Flow injection analysis A. Tan, D. Zhang, *Fenxi Shiyanshi*, **1** 6, 71 (1997).
4411. Dual stage preconcentration system for flame atomic absorption spectrometry using flow injection on-line ion-exchange followed by solvent extraction
G. H. Tao, Z. L. Fang, *Fresenius' J. Anal. Chem.*, **3** 60, 156 (1998).
4412. A simple procedure for the chromatographic analysis of nanoliter samples
R. Toniolo, A. Valentino, G. Bontempelli, G. Schiavon, *Fresenius' J. Anal. Chem.*, **3** 60, 260 (1998).
4413. Flow-injection analysis based on a membrane separation module and a bulk acoustic wave impedance sensor.
Determination of the volatile acidity of fermentation products
X. L. Su, L. H. Nie, S. Z. Yao, *Fresenius' J. Anal. Chem.*, **3** 60, 272 (1998).
4414. A study of hydride generation flow injection analysis. Atomic absorption spectrometry (JIS method) for antimony
M. Hashimoto, K. Sato, E. Takemura, T. Furuyama, T. Hasegawa, S. Sato, T. Chiba, *Fukushima-ken Eisei Kogai Kenkyusho Nenpo*, **1** 4, 55 (1997).
4415. Partition behavior of alkylphenols in crude oil/brine systems under subsurface conditions
B. Bennett, S. R. Larter, *Geochim. Cosmochim. Acta*, **6** 1, 4393 (1997).
4416. Oxidation kinetics of manganese(II) in seawater at nanomolar concentrations
P. J. von Langen, K. S. Johnson, K. H. Coale, V. A. Elrod, *Geochim. Cosmochim. Acta*, **6** 1, 4945 (1997).
4417. On-line determination of trace iron (III)
H. Chen, *Hubei Daxue Xuebao, Ziran Kexueban*, **1** 9, 165 (1997).
4418. Biosensor for on-line monitoring of glycerol during alcoholic fermentation
M. Esti, E. Peluso, E. La Notte, D. Compagnone, G. Palleschi, *Ind. Bevande*, **2** 7, 6 (1998).
4419. Flow-injection determination of quaternary ammonium salts
I. A. Gurjev, L. F. Susina, A. A. Shabarin, *Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Tekhnol.*, **4** 0, 34 (1997).
4420. Determination of sulfate in environmental water by spectrophotometric flow injection analysis
T. Korenaga, Y. Yang, K. Shibata, J. Motonaka, S. Ikeda, *Jpn. J. Toxicol. Environ. Health*, **4** 4, 49 (1998).

4421. Determination of SO₂ in wines using a flow injection analysis system with potentiometric detection
A. N. Araujo, C. M. C. M. Couto, J. L. F. C. Lima, M. C. B. S. M. Montenegro, *J. Agric. Food Chem.*, **46**, 168 (1998).
4422. Flow injection system with potentiometric detection for the determination of urea content in milks
J. L. F. C. Lima, C. Delerue-Matos, M. C. V. F. Vaz, *J. Agric. Food Chem.*, **46**, 1386 (1998).
4423. Air segmented discrete introduction in inductively coupled plasma mass spectrometry
V. Stefanova, V. Kmetov, L. Futekov, *J. Anal. At. Spectrom.*, **12**, 1271 (1997).
4424. Flow injection on-line reductive precipitation preconcentration with magnetic collection for electrothermal atomic absorption spectrometry
S. Sella, R. E. Sturgeon, S. N. Willie, R. C. Campos, *J. Anal. At. Spectrom.*, **12**, 1281 (1997).
4425. Tandem preconcentration of cobalt by on-line ion exchange and gas phase chelates generated by merging-zones flow injection analysis with electrothermal atomic absorption spectrometric determination
M. S. Jimenez, J. R. Castillo, *J. Anal. At. Spectrom.*, **12**, 1397 (1997).
4426. Hydride generation interface for the determination of inorganic arsenic and organoarsenic by inductively coupled plasma mass spectrometry using open-focused microwave digestion to enhance the pre-reduction process
D. Beauchemin, *J. Anal. At. Spectrom.*, **13**, 1 (1998).
4427. Reduction of water loading effects in inductively coupled plasma mass spectrometry by a Nafion membrane dryer device
N. Fitzgerald, J. F. Tyson, D. A. Leighty, *J. Anal. At. Spectrom.*, **13**, 13 (1998).
4428. Effect of sample volume on the limit of detection in flow injection hydride generation electrothermal atomic absorption spectrometry
J. F. Tyson, R. I. Ellis, S. A. McIntosh, C. P. Hanna, *J. Anal. At. Spectrom.*, **13**, 17 (1998).
4429. Incorporation of electrodialyzers into the conduits of flow injection-atomic absorption spectrometry systems. Determination of copper(II) ions in multivitamin tablets after enhancement of mass transfer through a passive neutral membrane
J. F. van Staden, C. J. Hattingh, *J. Anal. At. Spectrom.*, **13**, 23 (1998).
4430. Amperometric sensor for the flow-injection determination of iridium(IV) ions
L. K. Shpigun, N. E. Kopytova, *J. Anal. Chem.*, **52**, 1157 (1997).
4431. Flow-injection determination of mercury with potentiometric detection
I. A. Gur'ev, N. V. Kuleshova, *J. Anal. Chem.*, **53**, 15 (1998).
4432. Determination of chromium from a hydroxylamine catalytic current by flow-injection analysis
I. M. Fitsev, A. V. Zolotukhin, V. F. Toropova, N. A. Fitseva, *J. Anal. Chem.*, **53**, 109 (1998).
4433. Flow injection analysis of nitrogen dioxide using a galvanic detector
S. Liu, H. Shen, J. Feng, M. Tubino, *J. Autom. Chem.*, **20**, 17 (1998).
4434. Chemiluminescent assays for choline and phospholipase-D using a flow injection system
M. Yaqoob, A. Nabi, M. Masoom-Yasinzai, *J. Biolumin. Chemilumin.*, **12**, 135 (1997).
4435. Fast on-line flow injection analysis system for IgG monitoring in bioprocesses
M. Reinecke, T. Schepers, *J. Biotechnol.*, **59**, 145 (1997).
4436. The use of ion exchange resin for reagent immobilization and concentration in flow systems. Determination of nickel in steel alloys and iron speciation in waters
P. B. Martelli, B. F. Reis, M. Korn, I. A. Rufini, *J. Braz. Chem. Soc.*, **8**, 479 (1997).
4437. Development of a flow injection system with two analytical paths for ammonium determination in soil extracts by conductometry
B. F. Reis, J. A. Vieira, F. J. Krug, M. F. Gine, *J. Braz. Chem. Soc.*, **8**, 523 (1997).
4438. Overcoming the Schlieren effect in flow injection spectrophotometry by introduction of large sample volumes. Determination of chloride in the electrolyte of lead-acid batteries
F. R. P. Rocha, J. A. Nobrega, *J. Braz. Chem. Soc.*, **8**, 625 (1997).

4439. Normal-phase and reversed-phase high-performance liquid chromatographic behavior and particle beam mass spectrometric characterization of alkyne-substituted iron-carbonyl clusters
M. Careri, P. Manini, G. Predieri, E. Sappa, *J. Chromatogr. A*, **789**, 461 (1997).
4440. On-line electrochemical detection of carbohydrates coupled with the periodate oxidation
M. Torimura, K. Kano, T. Ikeda, M. Goto, T. Ueda, *J. Chromatogr., A*, **790**, 1 (1997).
4441. Flow injection-capillary electrophoresis coupling to automate on-line sample treatment for the determination of inorganic ions in waters
L. Arce, A. Rios, M. Valcarcel, *J. Chromatogr. A*, **791**, 279 (1997).
4442. The study of adsorption and reorientation of quinoline at mercury electrodes by measuring differential capacity-potential and differential capacity-time curves
H. Sawamoto, *J. Electroanal. Chem.*, **432**, 153 (1997).
4443. Cyclic voltammetry of S-sulfocysteine at a gold-mercury amalgam electrode and application to dual electrode electrochemical detection
W. Xia, S. J. Woltman, M. Sandberg, S. G. Weber, *J. Electroanal. Chem.*, **435**, 39 (1997).
4444. Fabrication of multilayer films containing 1:12 phosphomolybdc anions on the surface of a gold electrode based on electrostatic interaction and its application as an electrochemical detector in flow-injection amperometric detection of hydrogen peroxide
C. Sun, J. Zhao, H. Xu, Y. Sun, X. Zhang, J. Shen, *J. Electroanal. Chem.*, **435**, 63 (1997).
4445. A microfabricated flow-through cell with parallel-opposed electrodes for recycling amperometric detection
S. A. Brooks, R. T. Kennedy, *J. Electroanal. Chem.*, **436**, 27 (1997).
4446. Characterization of iron-containing clay modified electrodes and their applications for the detection of hydrogen peroxide and ascorbic acid
S. Shyu, C. M. Wang, *J. Electrochem. Soc.*, **144**, 3419 (1997).
4447. Characterizations of iron-containing clay modified electrodes and their applications for glucose sensing
S. Shyu, C. M. Wang, *J. Electrochem. Soc.*, **145**, 154 (1998).
4448. Highly sensitive flow injection analysis of NAD(P)H and their applications to determination of substrates for dehydrogenases
N. Kiba, *J. Flow Injection Anal.*, **14**, 123 (1997).
4449. Micromachining and microfabrication of flow analysis
Y. Baba, *J. Flow Injection Anal.*, **14**, 131 (1997).
4450. Enzyme-catalyzed hydrolysis of monofluorophosphate to orthophosphate. Visualization by flow injection analysis and P-31 NMR
N. Yoza, S. Nakashima, *J. Flow Injection Anal.*, **14**, 141 (1997).
4451. Vapor generation-FTIR determination of butyl glycol in water-borne paint solvents
E. Lopez-Anreus, S. Garrigues, M. de la Guardia, *J. Flow Injection Anal.*, **14**, 165 (1997).
4452. Design of non-competitive flow injection enzyme immunoassays for determination of haptens. Application to digoxigenin
U. Lovgren, K. Kronqvist, B. Backstrom, L. Edholm, G. Johansson, *J. Immunol. Methods*, **208**, 159 (1997).
4453. Determination of p-hydroxyphenylglycine by reaction with o-phthalaldehyde using a flow-injection fluorimetric procedure
P. Vinas, N. Campillo, C. Lopez-Erroz, M. Hernandez-Cordoba, *J. Pharm. Biomed. Anal.*, **16**, 453 (1997).
4454. Self-assembled monolayer gold electrode for surfactant analysis
M. Gerlache, Z. Senturk, G. Quarín, J. Kauffmann, *J. Solid State Electrochem.*, **1**, 155 (1997).
4455. Estimation of pressure-temperature critical loci of CO₂ binary mixtures with methyl-tert-butyl ether, ethyl acetate, methyl-ethyl ketone, dioxane and decane
T. L. Chester, B. S. Haynes, *J. Supercrit. Fluids*, **11**, 15 (1997).
4456. Monitoring of Ntot and Ptot in the outfall of a sewage treatment plant using UV disintegration and flow-injection analysis

- H. Brueckner, S. Rennert, H. Kroeber, U. Riis, *Korresp. Abwasser*, **45**, 65 (1998).
4457. The simultaneous determination of caffeine, aspirin and paracetamol by principal components regression using automatic dilution and calibration
S. Dunkerley, M. J. Adams, *Lab. Autom. Inf. Manage.*, **33**, 107 (1997).
4458. Development of an automated flow-injection system for the determination of trace level ammonia
C. W. K. Chow, R. Lane, T. C. W. Yeow, D. E. Davey, D. E. Mulcahy, *Lab. Autom. Inf. Manage.*, **33**, 129 (1997).
4459. Biosensors based on bilayer lipid membranes for automated continuous monitoring or rapid screening of environmental pollutants
D. P. Nikolelis, C. G. Siontorou, V. G. Andreou, *Lab. Rob. Autom.*, **9**, 285 (1997).
4460. Flow-injection determination of copper (II) in chemical and electrochemical baths with a potentiometric differential microdetector
L. Olenic, E. Hopirtean, L. Olenic, D. Crisan, *Lab. Rob. Autom.*, **9**, 305 (1997).
4461. Determination of trace amount of cobalt and nickel in steel by flow injection on-line extraction-flame atomic absorption spectrometry Y. Gong, J. Zhou, *Lihua Jianyan, Huaxue Fence*, **33**, 11 (1997).
4462. Progress in study of on-line dilution technique in FIA
P. Liu, D. Su, D. Zhou, *Lihua Jianyan, Huaxue Fence*, **33**, 87 (1997).
4463. Joint use of flow injection analysis technique in multicomponent determination
Y. Zhu, T. Wei, G. Fang, *Lihua Jianyan, Huaxue Fence*, **33**, 181 (1997).
4464. Atmospheric pressure chemical ionization and electron capture negative chemical ionization mass spectrometry in studying .beta.-carotene conversion to retinol in humans
G. Tang, B. A. Andrien, G. G. Dolnikowski, R. M. Russel, *Methods Enzymol.*, **282**, 140 (1997).
4465. A modified Z-type flow-through cell for optical, electrochemical, and optoelectrochemical flow injection analysis measurements
B. Haghghi, N. Maleki, A. Safavi, *Microchem. J.*, **57**, 339 (1997).
4466. Study of the electrochemiluminescence based on tris(2,2'-bipyridine) ruthenium(II) and alcohols in a flow injection system
X. Chen, M. Sato, Y. Lin, *Microchem. J.*, **58**, 13 (1998).
4467. FIA-fluorimetric determination of adrenaline in pharmaceutical formulations by oxidation with molecular oxygen
A. C. Torres, A. M. Romero, J. M. Calatayud, *Mikrochim. Acta*, **128**, 187 (1998).
4468. On-line monitoring of phosphate in natural water and effluent streams using sequential injection analysis
J. F. Van Staden, R. E. Taljaard, *Mikrochim. Acta*, **128**, 223 (1998).
4469. Investigation of measurement conditions for automatic umu test by flow injection
U. Kobayashi, Y. Ono, I. Somiya, S. Mohri, *Mizu Kankyo Gakkaishi*, **20**, 732 (1997).
4470. Portable flow-injection systems for field testing. Present development and perspectives
M. Trojanowicz, P. W. Alexander, *NATO ASI Ser.*, **38**, 173 (1997).
4471. Chemiluminescent detection of chlorophenols with a fiber optic sensor
L. J. Blum, A. Degiuli, *NATO ASI Ser.*, **38**, 271 (1997).
4472. Determination of sulfoxides from Allium-species by immobilized alliinase
I. Krest, P. Milka, M. Keusgen, *Pharm. Pharmacol. Lett.*, **7**, 145 (1997).
4473. Flow-injection spectrophotometric determination of phenothiazines using analyte oxidation in manganese-dioxide-packed reactors
M. Polasek, J. Dolejsova, R. Karlicek, *Pharmazie*, **53**, 168 (1998).
4474. Automatic system for determining salicylic acid in pharmaceutical formulations using amperometric detection
J. M. P. J. Garrido, J. L. F. C. Lima, C. Delerue-Matos, V. V. M. Meijden, *Port. Electrochim. Acta*, **15**, 335 (1997).
4475. Selective accumulation of elements by plants synthesizing saponin

- M. J. Lovkova, S. M. Sokolova, G. N. Busuk, O. V. Shelepova, S. M. Ponomareva, *Prikl. Biokhim. Mikrobiol.*, **33**, 635 (1997).
4476. Quality control methods for synthetic drugs. Comparison of separation and non-separation technologies X. Qin, *Process Control Qual.*, **10**, 1 (1997).
4477. A flow injection-hydride generation-atomic absorption spectrometry technique for the on-line determination of arsenic species after ion-exchange separation and of total arsenic after microwave-assisted digestion in urine samples
J. L. Burguera, M. Burguera, C. Rivas, *Quim. Anal.*, **16**, 165 (1997).
4478. Flow injection spectrophotometric determination of amoxycillin after derivatization with o-phthalaldehyde and N-acetylcysteine
B. Miralles-Buraglia, C. Medina-Hernandez, M. J. Medina-Hernandez, S. Sagrado, *Quim. Anal.*, **16**, 191 (1997).
4479. Characterization of a pH and fluoride selective electrode situated in a home-made detector for flow injection analysis
A. Izquierdo, E. Molina, M. D. L. De Castro, *Quim. Anal.*, **16**, 197 (1997).
4480. Biota analysis by flow-injection atomic spectrometry: a literature survey
A. Morales-Rubio, M. De La Guardia, *Quim. Anal.*, **16**, 217 (1997).
4481. Turbidimetric flow-injection determination of chloride in natural waters
R. P. Sartini, C. C. De Oliveira, E. G. Zagatto, *Quim. Anal.*, **16**, 233 (1997).
4482. Mechanization in sample preparation by microwaves: the state-of-the-art
M. A. Z. Arruda, R. E. Santelli, *Quim. Nova*, **20**, 638 (1997).
4483. An eluent-jet interface for chemical ionization mass spectrometry and coupling of microcolumn liquid chromatography with electron ionization mass spectrometry
R. J. Dijkstra, B. L. M. Van Baar, C. E. Kientz, W. M. A. Niessen, U. A. T. Brinkman, *Rapid Commun. Mass Spectrom.*, **12**, 5 (1998).
4484. A comparative evaluation of continuous flow fast atom bombardment and ion spray ionization techniques for the simultaneous determination of alkyltrimethylammonium surfactants by mass spectrometry
S. A. Coran, M. Bambagiotti-Alberti, V. Giannellini, G. Moneti, G. Pieraccini, A. Raffaelli, *Rapid Commun. Mass Spectrom.*, **12**, 281 (1998).
4485. FIA system for the determination of copper and lead in water by flame atomic absorption spectrophotometry after on-line preconcentration
J. M. P. J. Garrido, R. A. S. Lapa, J. L. F. C. Lima, C. A. D. Matos, *Rev. Port. Farm.*, **47**, 101 (1997).
4486. Determination of ethanol by flow injection analysis with chemiluminescence detection
A. F. Danet, M. Badea, S. Jipa, *Rev. Chim.*, **48**, 726 (1997).
4487. Polyvalent flow injection system: spectrophotometric determination of calcium, magnesium and phosphorus in plants
A. R. De A. Nogueira, G. B. De Souza, F. V. Da Silva, E. A. G. Zagatto, *Sci. Agric.*, **54**, 209 (1997).
4488. Analysis of cortisol with a flow displacement immunoassay
A. W. Kaptein, J. J. Zwaagstra, K. Venema, M. H. J. Ruiters, J. Korf, *Sens. Actuators, B*, **B 45**, 63 (1997).
4489. Reverse-phase flow injection catalytic spectrophotometry for determination of trace iron
X. Liu, L. Gao, Z. Zhang, *Shaanxi Shifan Daxue Xuebao, Ziran Kexueban*, **25**, 58 (1997).
4490. Chemiluminescence reaction of L-tyrosine-potassium permanganate-hydrogen peroxide
L. Li, M. Yang, M. Feng, J. Lu, *Shaanxi Shifan Daxue Xuebao, Ziran Kexueban*, **25**, 67 (1997).
4491. Determination of micro-amount of iodine in table salt by coupling reaction-flow injection chemiluminescence analysis
W. Yang, *Shaanxi Shifan Daxue Xuebao, Ziran Kexueban*, **25**, 114 (1997).
4492. Determination of trace arsenic in wastewater by flow injection chemiluminescence
H. Jiang, C. Zhang, J. Lu, *Shaanxi Shifan Daxue Xuebao, Ziran Kexueban*, **25**, 116 (1997).

4493. Study of reactivity to enzyme-immobilized fiber by FIA/pulseinjection method
H. Ueta, Y. Maeshima, A. Ishihara, K. Oishi, *Shizuoka-ken Hamamatsu Kogyo Gijutsu Senta Kenkyu Hokoku*, **7**, 109 (1997).
4494. In-line preconcentration of platinum with an alumina micro-column in an FIA-ICP system
J. F. van Staden, C. J. Rademeyer, S. M. Linsky, *S. Afr. J. Chem.*, **50**, 115 (1997).
4495. Determination of Se in urine by flow injection hydride generation electrothermal atomic absorption spectrometry with in-atomizer trapping
J. F. Tyson, N. G. Sundin, C. P. Hanna, S. A. McIntosh, *Spectrochim. Acta, Part B*, **52**, 1773 (1997).
4496. An automated procedure for studying sorption by humic substances using a combined continuous-flow and flow-injection analysis process
I. A. Law, J. J. Tuck, C. L. Graham, M. H. B. Hayes, *Spec. Publ. - R. Soc. Chem.*, **172**, 189 (1997).
4497. Rapid measurement of potassium ion in wheat flour using a FIA-ion selective electrode based sensing system
R. Haginoya, Y. Nomura, K. Sakai, T. Komatsu, S. Nagao, A. Sakai, H. Henmi, S. Ito, Y. Asano, I. Karube, *Starch/Staerke*, **49**, 416 (1997).
4498. Rapid determination of dissolved organic phosphorus in soil leachates and runoff waters by flow injection analysis with on-line photo-oxidation
D. M. W. Peat, I. D. McKelvie, G. P. Matthews, P. M. Haygarth, P. J. Worsfold, *Talanta*, **45**, 47 (1997).
4499. Principles and analytical applications of acousto-optic tunable filters, an overview
C. D. Tran, *Talanta*, **45**, 237 (1997).
4500. Flow injection spectrophotometric determination of nitrate in electrolyte of lead-acid batteries
F. R. P. Rocha, J. A. Nobrega, *Talanta*, **45**, 265 (1997).
4501. Reversed flow injection spectrophotometric determination of trace amount of ammonia in natural water by oxidation of ammonia to nitrite
R. Liu, H. Wang, A. Sun, D. Liu, *Talanta*, **45**, 405 (1997).
4502. Determination of passive-sampled sulfur dioxide in ambient air as sulfate ion by flow injection analysis with an in-line reaction column
Y. Yang, X. Zhang, T. Korenaga, K. Higuchi, *Talanta*, **45**, 445 (1997).
4503. On-line coupling of gas diffusion to capillary electrophoresis
P. Kuban, B. Karlberg, *Talanta*, **45**, 477 (1998).
4504. Incorporation of electrodialyzers into the conduits of FIA systems: enhancement of the mass transfer of chloride anions through passive neutral membranes
J. F. Van Staden, C. J. Hattingh, *Talanta*, **45**, 485 (1998).
4505. Decisive problems of zone-circulating flow injection analysis and its solution
Y. Narusawa, Y. Miyamae, *Talanta*, **45**, 519 (1998).
4506. On-line cryogenic trapping with microwave heating for the determination and speciation of arsenic by flow injection/hydride generation/atomic absorption spectrometry
J. L. Burguera, M. Burguera, C. Rivas, P. Carrero, *Talanta*, **45**, 531 (1998).
4507. New phase separator for extraction-spectrophotometric determination of anionic surfactants with malachite green by flow injection analysis
T. Sakai, H. Harada, X. Liu, N. Ura, K. Takeyoshi, K. Sugimoto, *Talanta*, **45**, 543 (1998).
4508. Catalytic determination of silver(I) by extractive flow injection analysis
H. Itabashi, M. Takahata, H. Kawamoto, H. Akaiwa, *Talanta*, **45**, 549 (1998).
4509. Flow injection analysis for residual chlorine using Pb(II) ion-selective electrode detector
A. Sakai, A. Hemmi, H. Hachiya, F. Kobayashi, S. Ito, Y. Asano, T. Imato, Y. Fushinuki, I. Taniguchi, *Talanta*, **45**, 575 (1998).
4510. Continuous flow system for the determination of trace vanadium in natural waters utilizing in-line preconcentration/separation coupled with catalytic photometric detection

- T. Yamane, Y. Osada, M. Suzuki, *Talanta*, **45**, 583 (1998).
4511. The flow analysis database on the world wide web
S. J. Chalk, *Talanta*, **45**, 591 (1998).
4512. Elimination of hydrofluoric acid interference in the determination of antimony by the hydride generation technique
A. D'ulivo, L. Lampugnani, D. Faraci, D. L. Tsalev, R. Zamboni, *Talanta*, **45**, 801 (1998).
4513. Microwave assisted reduction of Se VI to Se IV and determination by HG/FI-ICP/MS for inorganic selenium speciation
R. M. Olivas, O. F. X. Donard, *Talanta*, **45**, 1023 (1998).
4514. Flow injection analysis - where are we heading?
J. Ruzicka, E. H. Hansen, *TRAC-Trends Anal. Chem.*, **17**, 69 (1998).
4515. Study of the reactor with down-flow injection on the characteristics of ozonation
T. Morioka, Y. Kato, H. Hoshikawa, M. Okada, T. Moniwa, *Water Sci. Technol.*, **36**, 367 (1997).
4516. Determination of trace La and Gd by FI-ICP-AES with micro-column on-line preconcentration
H. Liu, B. Hu, X. Yu, Z. Jiang, *Wuhan Daxue Xuebao, Ziran Kexueban*, **43**, 150 (1997).
4517. Study on determination of chromium in the beer by flow injection analysis-chemiluminescence
Z. Cheng, L. Zhou, D. Tang, S. Hu, L. Li, *Xi'an Yike Daxue Xuebao*, **18**, 46 (1997).
4518. Glucose oxidase immobilized by silk fibroin and its application in FIA system
Y. Xu, X. Xu, J. Xu, X. Ji, Z. Yuan, *Yaowu Shengwu Jishu*, **4**, 129 (1997).
4519. Buffer solution approach for FIA with potentiometric detection II. Redox system
J. Yin, Y. Yu, *Yejin Fenxi*, **17**, 1 (1997).
4520. Study on flow injection spectrophotometric determination of iron. III. Color system of Fe(III)-semi-xylenol orange
L. Zhou, C. Chai, G. Shao, *Yejin Fenxi*, **17**, 7 (1997).
4521. Determination of nitrite in meat products by flow injection spectrophotometry
H. Xu, Z. Zhao, C. Liang, B. Wang, *Yingyong Huaxue*, **14**, 110 (1997).
4522. Determination of metals in natural water by on-line adsorption concentration and inductively coupled plasma atomic emission spectroscopy
N. P. Starshinova, M. Sedykh, G. I. Tsizin, N. M. Kuz'min, Y. A. Zolotov, *Zavod. Lab.*, **63**, 20 (1997).
4523. Immobilization of firefly luciferase and construction of luciferase biosensor
J. Cai, S. Wang, X. Ji, *Zhejiang Daxue Xuebao, Ziran Kexueban*, **31**, 162 (1997).
4524. Determination of flavonoids in liquor Xiaoerqingrejiedu with FIA
R. Lin, S. Zhang, X. Li, *Zhongcaoyao*, **28**, 594 (1997).