

FIA Bibliography(31)

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

4919. FIA Bibliography(30)
N. Teshima, T. Sakai
J. Flow Injection Anal., **15**, 260 (1998).
4920. Recent developments in flow-injection atomic spectroscopy
M. D. L. De Castro, L. Gamiz-Gracia
Adv. At. Spectrosc., **4**, 177 (1998).
4921. A fully automatic membrane inlet mass spectrometric system for online water monitoring
T. Mansikka, R. Kostianen, T. Kotiaho, R. A. Ketola, I. Mattila, M. Ojala, T. Honkanen, K. Wickstrom, J. Waldvogel, O. Pilvio
Adv. Mass Spectrom., **14**, D021840/1 (1998).
4922. Sequential determination of copper and zinc in copper-based alloys by FIA-ICP/AES employing an online separation technique
M. Korn, A. F. Santos Jr., L. S. G. Teixeira, M. das Gracias A. Korn, S. L. C. Ferreira, A. C. S. Costa, J. B. de Andrade
Am. Lab., **31**, 148 (1999).
4923. Optimized microwave digestion procedure for cadmium analysis of mussel samples
M. C. Yebra, M. F. Enriquez
Analisis, **26**, 261 (1998).
4924. Optimization of a reagentless laccase electrode for the detection of the inhibitor azide
D. Leech, F. Daigle
Analyst, **123**, 1971 (1998).
4925. Non-aqueous enzymology approach for improvement of reagentless mediator-based glucose biosensor
L. V. Lukachova, A. A. Karyakin, Y. N. Ivanova, E. E. Karyakina, S. D. Varfolomeyev
Analyst, **123**, 1981 (1998).
4926. Predicting organoleptic scores of sub-ppm flavor notes. Part 1. Theoretical and experimental details
T. C. Pearce, J. W. Gardner
Analyst, **123**, 2047 (1998).
4927. Predicting organoleptic scores of sub-ppm flavor notes Part 2. Computational analysis and results
T. C. Pearce, J. W. Gardner
Analyst, **123**, 2057 (1998).
4928. Determination of cyanide by a flow injection analysis-atomic absorption spectrometric method
A. V. L. Gomez, J. M. Calatayud
Analyst, **123**, 2103 (1998).
4929. Fluorimetric flow-injection method for anionic surfactants based on protein-surfactant interactions
D. L. Recalde Ruiz, E. Andres Garcia, M. E. Diaz Garcia, A. L. Carvalho Torres
Analyst, **123**, 2257 (1998).
4930. Photochemically induced fluorimetric detection of tianeptine and some of its metabolites. Application to pharmaceutical preparation
M. Bulaceanu-Mac Nair, Jean-Jacques Aaron, P. Prognon, G. Mahuzier
Analyst, **123**, 2267 (1998).
4931. Development of solid-phase chemiluminescence immunoassays for digoxin comparing flow injection and sequential injection techniques
D. Dreveny, R. Seidl, G. Gubitz, J. Michalowski
Analyst, **123**, 2271 (1998).
4932. Non-aqueous enzymic flow injection determination of cholestanol in sediments
G. Pineiro-Avila, A. Salvador, M. de la Guardia
Analyst, **123**, 2291 (1998).
4933. Monitoring ethanol production during wine fermentation processes by a pervaporation-enzymic derivatization approach
F. Delgado-Reyes, I. Papaefstathiou, J. M. Fernandez Romero, M. D. Luque de Castro
Analyst, **123**, 2367 (1998).
4934. Vegetable tissue from *Latania* sp.: an extraordinary source of naturally immobilized enzymes for the detection of phenolic compounds
A. W. O. Lima, E. K. Vidsiunas, V. B.

- Nascimento, L. Angnes
Analyst, **123**, 2377 (1998).
4935. Amperometric determination of the water content in acetone, butter and margarine using a wall-tube platinum microelectrode in a flow injection system
F. Bjorefors, L. Nyholm, M. Donten, Z. Stojek
Analyst, **124**, 143 (1999).
4936. Flow injection online preconcentration and flame atomic absorption spectrometric determination of iron, cobalt, nickel, manganese and zinc in seawater
K. A. Tony, S. Kartikeyan, B. Vijayalakshmy, T. P. Rao, C. S. P. Iyer
Analyst, **124**, 191 (1999).
4937. Flow injection determination of vitamin K₃ by a photoinduced chemiluminescent reaction
T. Perez-Ruiz, C. Martinez-Lozano, V. Tomas, J. Martin
Analyst, **124**, 197 (1999).
4938. Cathodic stripping voltammetric determination of ultratrace gold(III) at a bulk modified epoxy-graphite tube composite electrode in flow systems
R. Ye, S. B. Khoo
Analyst, **124**, 353 (1999).
4939. Rapid automated spectrophotometric competitive complexation studies of drugs with cyclodextrins using the flow injection gradient technique: tricyclic antidepressant drugs with α -cyclodextrin
M. E. Georgiou, C. A. Georgiou, M. A. Koupparis
Analyst, **124**, 391 (1999).
4940. Flow injection analysis-direct chemiluminescence determination of ergonovine maleate enhanced by hexadecylpyridinium chloride
Y. F. Mestre, B. F. Band, L. L. Zamora, J. M. Calatayud
Analyst, **124**, 413 (1999).
4941. A combined flow injection-chemiluminescent method for the measurement of radical scavenging activity
Hong-Yeob. Choi, Jin-Hyang. Song, Dong-Ki. Park
Anal. Biochem., **264**, 291 (1998).
4942. Pulse amperometric detection of lithium in artificial serum using a flow injection system with a liquid/liquid-type ion-selective electrode
S. Sawada, H. Torii, T. Osakai, T. Kimoto
Anal. Chem., **70**, 4286 (1998).
4943. Mediator-Assisted Continuous-Flow Column Electrolytic Spectroelectrochemical Technique for the Measurement of Protein Redox Potentials. Application to Peroxidase
M. Torimura, M. Mochizuki, K. Kano, T. Ikeda, T. Ueda
Anal. Chem., **70**, 4690 (1998).
4944. Determination of (Ultra)trace Amounts of Arsenic(III) and Arsenic(V) in Water by Inductively Coupled Plasma Mass Spectrometry Coupled with Flow Injection Online Sorption Preconcentration and Separation in a Knotted Reactor
X. Yan, R. Kerrich, M. J. Hendry
Anal. Chem., **70**, 4736 (1998).
4945. Sulfide Measurement by Flow Injection Analysis with Flame Photometric Detection
A. G. Howard, C. Y. Yeh
Anal. Chem., **70**, 4868 (1998).
4946. Online Cation Exchange for Suppression of Adduct Formation in Negative-Ion Electrospray Mass Spectrometry of Nucleic Acids
C. G. Huber, M. R. Buchmeiser
Anal. Chem., **70**, 5288 (1998).
4947. Detection of PCR products in solution using surface plasmon resonance
E. Kai, S. Sawata, K. Ikebukuro, T. Iida, T. Honda, I. Karube
Anal. Chem., **71**, 796 (1999).
4948. Electrochemical oxidation of polyamines at diamond thin-film electrodes
M. D. Koppang, M. Witek, J. Blau, G. M. Swain
Anal. Chem., **71**, 1188 (1999).
4949. Luminescence detection with a liquid core waveguide
P. K. Dasgupta, Z. Genfa, J. Li, C. B. Boring, S. Jambunathan, R. Al-Horr
Anal. Chem., **71**, 1400 (1999).
4950. Laser-Enhanced Ionization Detection of Pb in Seawater by Flow Injection Analysis with Online Preconcentration and Separation

- Ching-Bin Ke, King-Chuen Lin
Anal. Chem., **71**, 1561 (1999).
4951. Oxidation Reaction between Periodate and Polyhydroxyl Compounds and Its Application to Chemiluminescence
Jin-Ming Lin, M. Yamada
Anal. Chem., **71**, 1760 (1999).
4952. Simultaneous multiple injection in monosegmented flow analysis
V. O. Brito, I. M. Raimundo Jr.
Anal. Chim. Acta, **371**, 317 (1998).
4953. A novel thermal biosensor: evaluation for determination of urea in serum
B. Bjarnason, P. Johansson, G. Johansson
Anal. Chim. Acta, **372**, 341 (1998).
4954. Chemiluminescence flow-sensing system for hydrogen peroxide with immobilized reagents
W. Qin, Z. Zhang, B. Li, S. Liu
Anal. Chim. Acta, **372**, 357 (1998).
4955. Flow injection determination of neostigmine and galanthamine by immobilized acetylcholinesterase inhibition
T. Ghous, A. Townshend
Anal. Chim. Acta, **372**, 379 (1998).
4956. Flow injection potentiometry by poly(vinyl chloride)-membrane electrodes with substituted azacrown ionophores for the determination of lead(II) and mercury(II) ions
X. Yang, H. D. Brynn, P. W. Alexander
Anal. Chim. Acta, **372**, 387 (1998).
4957. Online monitoring of galactoside conjugates and glycerol by flow injection analysis
F. Amarita Vega, C. G. Nunez, B. Weigel, B. Hitzmann, J. C. Diaz Ricci
Anal. Chim. Acta, **373**, 57 (1998).
4958. Convection and diffusion in a micro-flow injection system
E. B. van Akker, M. Bos, W. E. van der Linden
Anal. Chim. Acta, **373**, 227 (1998).
4959. Amperometric peroxide sensor based on horseradish peroxidase and toluidine blue O-acrylamide polymer in carbon paste
V. Rajendran, E. Csoregi, Y. Okamoto, L. Gorton
Anal. Chim. Acta, **373**, 241 (1998).
4960. Optical sensing of sulfite with a phosphorescent probe
D. Papkovsky, M. A. Uskova, G. V. Ponomarev, T. Korpela, S. Kulmala, G. G. Guilbault
Anal. Chim. Acta, **374**, 1 (1998).
4961. Determination of choline-containing phospholipids in serum with a fiber-optic biosensor
M. D. Marazuela, M. C. Moreno-Bondi
Anal. Chim. Acta, **374**, 19 (1998).
4962. Multicommuation in flow analysis exploiting a multizone trapping approach: spectrophotometric determination of boron in plants
C. D. A. Tumang, G. Caseri de Luca, R. N. Fernandes, B. F. Reis, F. J. Krug
Anal. Chim. Acta, **374**, 53 (1998).
4963. Direct spectrophotometric determination of chromium by microwave-oven induced flow-injection analysis
X. Wu, H. Zhao, X. Chen, Z. Hu, Z. Zhao, M. Hooper
Anal. Chim. Acta, **374**, 61 (1998).
4964. Flow injection chemiluminescence determination of catecholamines with electrogenerated hypochlorite
C. Zhang, J. Huang, Z. Zhang
Anal. Chim. Acta, **374**, 105 (1998).
4965. Flow-injection immunoassay using OPA derivatization
J. I. Rhee, J. Hagedorn, G. Kretzmer, T. Scheper, K. Schugert
Anal. Chim. Acta, **374**, 177 (1998).
4966. Polyethyleneimine-coated reticulated vitreous carbon electrode with immobilized enzymes as a substrate detector
X.-J. Tang, B. Xie, P.-O. Larsson, B. Danielsson, M. Khayyami, G. Johansson
Anal. Chim. Acta, **374**, 185 (1998).
4967. Flow-injection/standard subtraction method for the determination of iron(III) based on its catalytic effect and inhibition of EDTA
T. Watanabe, N. Teshima, S. Nakano, T. Kawashima
Anal. Chim. Acta, **374**, 303 (1998).
4968. Procedures for the storage and digestion of natural waters for the determination of filterable reactive phosphorus, total filterable phosphorus and total phosphorus
W. Maher, L. Woo

- Anal. Chim. Acta*, **375**, 5 (1998).
4969. Chemiluminometric branched chain amino acids determination with immobilized enzymes by flow-injection analysis
N. Kiba, M. Tachibana, K. Tani, T. Miwa
Anal. Chim. Acta, **375**, 65 (1998).
4970. Flow injection spectrophotometric determination of tenoxicam
S. A. Al-Tamrah
Anal. Chim. Acta, **375**, 277 (1998).
4971. Speciation of copper and manganese in milk by solid-phase extraction/inductively coupled plasma-atomic emission spectrometry
O. Abollino, M. Aceto, M. C. Bruzzoniti, E. Mentasti, C. Sarzanini
Anal. Chim. Acta, **375**, 299 (1998).
4972. Combination of flow injection with capillary electrophoresis. Part 4. Automated multicomponent monitoring of drug dissolution
H.-W. Chen, Z.-L. Fang
Anal. Chim. Acta, **376**, 209 (1998).
4973. Simultaneous flow-injection determination of iron(II) and total iron by micelle enhanced luminol chemiluminescence
K. Saitoh, T. Hasebe, N. Teshima, M. Kurihara, T. Kawashima
Anal. Chim. Acta, **376**, 247 (1998).
4974. Use of 4-(2-pyridylazo)resorcinol or 2-(2-pyridylazo)-5-dimethylaminophenol as chelating agent for determination of cadmium in seawater by atomic absorption spectrometry with online flow-injection sorbent extraction
P.-G. Su, S.-D. Huang
Anal. Chim. Acta, **376**, 305 (1998).
4975. Simultaneous determination of traces of iron(II) and iron(III) using differential pulse anodic stripping voltammetry in a flow-through configuration on a glassy carbon electrode
J. F. van Staden, M. C. Matoetoe
Anal. Chim. Acta, **376**, 325 (1998).
4976. Flow injection system with flame photometric detection for the measurement of the dimethylsulfide precursor β -dimethylsulfoniopropionate
A. G. Howard, C. E. Freeman, D. W. Russell, M. H. Arbab-zavar, P. Chamberlain
Anal. Chim. Acta, **377**, 95 (1998).
4977. Continuous sample recirculation in an opened-loop multicommutated flow system
R. A. S. Lapa, J. L. F. C. Lima, B. F. Reis, J. L. M. Santos
Anal. Chim. Acta, **377**, 103 (1998).
4978. Dissolved iron at subnanomolar levels in the Southern Ocean as determined by ship-board analysis
J. T. M. de Jong, J. den Das, U. Bathmann, M. H. C. Stoll, G. Kattner, R. F. Nolting, H. J. W. de Baar
Anal. Chim. Acta, **377**, 113 (1998).
4979. Determination of copper complexation in seawater using flow injection analysis with chemiluminescence detection
H. Zamzow, K. H. Coale, K. S. Johnson, C. M. Sakamoto
Anal. Chim. Acta, **377**, 133 (1998).
4980. Shipboard determination of hydrogen peroxide in the western Mediterranean sea using flow injection with chemiluminescence detection
D. Price, R. F. C. Mantoura, P. J. Worsfold
Anal. Chim. Acta, **377**, 145 (1998).
4981. In situ determination of silicic acid in sea water based on FIA and colorimetric dual-wavelength measurements.
J. Floch, S. Blain, D. Birot, P. Treguer
Anal. Chim. Acta, **377**, 157 (1998).
4982. Determination of cadmium in seawater using automated online preconcentration and direct injection graphite furnace atomic absorption spectrometry
D. Colbert, K. S. Johnson, K. H. Coale
Anal. Chim. Acta, **377**, 255 (1998).
4983. Flow injection analysis-capillary electrophoresis system with hydrodynamic injection
P. Kuban, R. Pirmohammadi, B. Karlberg
Anal. Chim. Acta, **378**, 55 (1999).
4984. Continuous, pulsed and stopped flow in a μ -flow injection system (numerical vs. experimental)
E. B. van Akker, M. Bos, W. E. van der Linden
Anal. Chim. Acta, **378**, 111 (1999).
4985. Determination of nano-molar levels of formaldehyde in drinking water using flow-injection system with immobilized formaldehyde dehydrogenase after off-line solid-phase extraction

- N. Kiba, L. Sun, S. Yokose, M. Tachibana, K. Tani, T. Suzuki
Anal. Chim. Acta, **378**, 169 (1999).
4986. An online solid phase extraction system using polyurethane foam for the spectrophotometric determination of nickel in silicates and alloys
S. L. C. Ferreira, D. S. de Jesus, R. J. Cassella, A. C. S. Costa, M. S. de Carvalho, R. E. Santelli
Anal. Chim. Acta, **378**, 287 (1999).
4987. Determination of metformin in pharmaceutical preparations using potentiometry, spectrofluorimetry and UV-visible spectrophotometry
S. S. M. Hassan, W. H. Mahmoud, M. A. F. Elmosallamy, A. H. M. Othman
Anal. Chim. Acta, **378**, 299 (1999).
4988. Amperometric determination of sympathomimetic drugs by flow injection analysis with a metallic copper electrode
M. Chicharro, A. Zapardiel, E. Bermejo, J. A. Perez, L. Hernandez
Anal. Chim. Acta, **379**, 81 (1999).
4989. Standard addition method in FIA. Comparison between different assemblies
P. Campins-Falco, F. Bosch-Reig, F. Blasco-Gomez
Anal. Chim. Acta, **379**, 89 (1999).
4990. Integrated conductometric detection mass distribution in a dynamic sample zone inside a flow injection manifold
F. J. Andrade, F. A. Inon, M. B. Tudino, O. E. Troccoli
Anal. Chim. Acta, **379**, 99 (1999).
4991. Introduction of alcohols in inductively coupled plasma mass spectrometry by A flow injection system
V. L. Dressler, D. Pozebon, A. J. Curtius
Anal. Chim. Acta, **379**, 175 (1999).
4992. Slow ultrafiltration for continuous in vivo sampling application for glucose and lactate in man
R. G. Tiessen, W. A. Kaptein, K. Venema, J. Korf
Anal. Chim. Acta, **379**, 327 (1999).
4993. Dual electrode signal-subtracted biosensor for simultaneous flow injection determination of sucrose and glucose
W. Surareungchai, S. Worasing, P. Sritongkum, M. Tanticharoen, K. Kirtikara
Anal. Chim. Acta, **380**, 7 (1999).
4994. Spectrophotometric determination of ozone in ozonized air currents with chemical gas-liquid transfer using a microreactor
E. L. Machado, M. B. da Rosa, E. M. M. Flores, J. N. G. Paniz, A. F. Martins
Anal. Chim. Acta, **380**, 93 (1999).
4995. Luminol electrochemiluminescence-based fiber optic biosensors for flow injection analysis of glucose and lactate in natural samples
C. A. Marquette, L. J. Blum
Anal. Chim. Acta, **381**, 1 (1999).
4996. Sequential determination of total and volatile acidity in wines based on a flow injection-pervaporation approach
E. Mataix, M. D. Luque de Castro
Anal. Chim. Acta, **381**, 23 (1999).
4997. Matrix effect modelling in multivariate determination of priority pollutant chlorophenols in urine samples
F. Navarro-Villoslada, L. V. Perez-Arribas, M. E. Leon-Gonzalez, L. M. Polo-Diez
Anal. Chim. Acta, **381**, 93 (1999).
4998. Micro-scale determination of glucose by capillary flow injection with an immobilized enzyme reactor
Y. Shi, S. R. Crouch
Anal. Chim. Acta, **381**, 165 (1999).
4999. A new sample-injection/sample-dilution system for the flow-injection analytical technique
M. Novic, I. Berregi, A. Rios, M. Valcarcel
Anal. Chim. Acta, **381**, 287 (1999).
5000. Use of flow-injection sample-to-standard addition methods for quantification of metals leached by selective chemical extraction from sewage sludge
I. Lavilla, B. Perez-Cid, C. Bendicho
Anal. Chim. Acta, **381**, 297 (1999).
5001. Flow-injection spectrophotometric determination of cyclamate in sweetener products with sodium 1,2-naphthoquinone-4-sulfonate
C. Cabero, J. Saurina, S. Hernandez-Cassou
Anal. Chim. Acta, **381**, 307 (1999).
5002. Further studies into the development of a micro-FIA (μ FIA) system based on electroosmotic flow

- for the determination of phosphate as orthophosphate
G. N. Doku, S. J. Haswell
Anal. Chim. Acta, **382**, 1 (1999).
5003. Simultaneous determination of nitrite and nitrate in various samples using flow injection with spectrophotometric detection
A. A. Ensafi, A. Kazemzadeh
Anal. Chim. Acta, **382**, 15 (1999).
5004. Flow-injection solid-phase spectrophotometry for the determination of zinc in pharmaceutical preparations
L. S. G. Teixeira, F. R. P. Rocha, M. Korn, B. F. Reis, S. L. C. Ferreira, A. C. S. Costa
Anal. Chim. Acta, **383**, 309 (1999).
5005. Towards the most rational use of robotics within the overall analytical process
M. D. Luque de Castro, A. Velasco-arjona
Anal. Chim. Acta, **384**, 117 (1999).
5006. Determination of Ranitidine and Salbutamol by Flow Injection Analysis with Chemiluminescence Detection
N. W. Barnett, B. J. Hindson, S. W. Lewis
Anal. Chim. Acta, **384**, 151 (1999).
5007. Determination of the pesticide Naptalam, at the ppb level, by FIA with fluorimetric detection and online preconcentration by solid-phase extraction on C18 modified silica
T. Galeano Diaz, M. I. Acedo Valenzuela, F. Salinas
Anal. Chim. Acta, **384**, 185 (1999).
5008. Microelectrode arrays: application in batch-injection analysis
D. A. Fungaro, C. M. A. Brett
Anal. Chim. Acta, **385**, 257 (1999).
5009. Synergetic effects in the flow injection analysis determination of catechol in the presence of excess ascorbic acid by series dual-band amperometric detection
H. B. Mark Jr., H. Zhang, S. K. Lunsford, O. Ceylan, A. I. Khaskelis, S. Hausner, J. F. Robinson, G. Russell
Anal. Chim. Acta, **385**, 281 (1999).
5010. Flow injection immunosensing of polycyclic aromatic hydrocarbons with a quartz crystal microbalance
M. Liu, Q. X. Li, G. A. Rechnitz
Anal. Chim. Acta, **387**, 29 (1999).
5011. Optimization of microwave digestion for determination of selenium in human urine by flow injection-hydride generation-atomic absorption spectrometry
F. Li, W. Goessler, K. J. Irgolic
Anal. Commun., **35**, 361 (1998).
5012. FIA determination of Cr(III) in tap water with chemiluminescence detection
A. Economou, A. K. Clark, P. R. Fielden
Anal. Commun., **35**, 389 (1998).
5013. A tungsten oxide coated wire electrode used as a pH sensor in flow injection potentiometry
L. T. Dimitrakopoulos, T. Dimitrakopoulos, P. W. Alexander, D. Logic, D. Brynn Hibbert
Anal. Commun., **35**, 395 (1998).
5014. FTIR spectroscopy as detection principle in aqueous flow analysis
R. Schindler, B. Lendl
Anal. Commun., **36**, 123 (1999).
5015. Determination of α ,4-dihydroxy-3-methoxybenzeneacetic acid (vanilmandelic acid) by flow injection analysis coupled with luminol-hexacyanoferrate(III) chemiluminescence detection
N. W. Barnett, P. S. Francis, S. W. Lewis, K. F. Lim
Anal. Commun., **36**, 131 (1999).
5016. Direct electrochemistry of hemoglobin at silver electrode modified by lipoic acid monolayer
S. Zhang, Wen-liang Sun, W. Zhang, Li-tong Jin, K. Yamamoto, S. Tao, J. Jin
Anal. Lett., **31**, 2159 (1998).
5017. Flow injection spectrophotometric determination of free and total sulfite in wines based on the induced oxidation of manganese(II)
R. L. G. N. P. Silva, C. S. Silva, J. A. Nobrega, E. A. Neves
Anal. Lett., **31**, 2195 (1998).
5018. Amperometric detection with microelectrodes in FIA: studies on the conversion of nitrate to nitrite in human saliva
V. Mori, M. Bertotti
Anal. Lett., **32**, 25 (1999).
5019. Flow injection spectrophotometric determination of nickel by complexation and factorial design optimization method

- A. A. Ensafi, T. Khayamian, B. Hemmateenejad
Anal. Lett., **32**, 111 (1999).
5020. Flow injection continuous liquid-liquid extraction using a hollow fiber membrane separator for determination of copper in water
P. Richter, M. I. Toral, R. Manriquez
Anal. Lett., **32**, 601 (1999).
5021. Flow-through solid phase UV spectrophotometric determination of amoxycillin
A. R. Medina, M. L. F. De Cordova, A. M. Diaz
Anal. Lett., **32**, 729 (1999).
5022. A sensitive chemiluminescence flow system for the determination of sulfite
Y. Huang, C. Zhang, X. Zhang, Z. Zhang
Anal. Lett., **32**, 1211 (1999).
5023. Spectrophotometric flow injection determination of ethanol in distilled spirits and wines involving permeation through a silicon tubular membrane
I. L. Mattos, R. P. Sartini, E. A. G. Zagatto, B. F. Reis, M. F. Gine
Anal. Sci., **14**, 1005 (1998).
5024. Flow systems including pervaporation for spectrophotometric monitoring of ethanol in industrial fermentations
I. L. De Mattos, E. A. G. Zagatto
Anal. Sci., **15**, 63 (1999).
5025. Adsorption-desorption studies of ketones at a hanging mercury drop electrode by a flow injection method
H. Sawamoto
Anal. Sci., **15**, 73 (1999).
5026. Flow-injection spectrophotometric determination of nitrite and nitrate in biological samples
K. Higuchi, S. Motomizu
Anal. Sci., **15**, 129 (1999).
5027. Determination of cobalt in animal feces by tungsten coil atomic absorption spectrophotometry
G. S. Lopes, A. R. A. Nogueira, P. V. Oliveira, J. A. Nobrega
Anal. Sci., **15**, 165 (1999).
5028. Flow injection-spectrophotometric determination of trace amounts of bromide by its catalytic effect on the 4,4'-bis(dimethylamino)diphenylmethane-chloramine T reaction
N. Yonehara, S. Chaen, T. Tomiyasu, H. Sakamoto
Anal. Sci., **15**, 277 (1999).
5029. Reversed micellar-mediated luminol chemiluminescence reaction with bis(acetylacetonato)oxovanadium(IV)
T. Kumooka, S. Kyaw, Y. Okamoto, T. Fujiwara, T. Kumamaru
Anal. Sci., **15**, 293 (1999).
5030. Use of a laccase-column for flow-injection calorimetry
I. Satoh, I. Sakurai
Ann. N. Y. Acad. Sci., **864**, 493 (1998).
5031. Correlation of ³²P-postlabelling-detection of DNA adducts in mouse skin in vivo with the polycyclic aromatic compound content and mutagenicity in *Salmonella typhimurium* of a range of oil products
E. D. Booth, H. C. A. Brandt, R. W. Loose, W. P. Watson
Arch. Toxicol., **72**, 505 (1998).
5032. Evaluation of chelation preconcentration for the determination of actinide elements by flow injection ICP-MS
E. H. Evans, J. B. Truscott, L. Bromley, P. Jones, J. Turner, B. E. Fairman
ASTM Spec. Tech. Publ., STP 1344(Applications of Inductively Coupled Plasma-Mass Spectrometry to Radionuclide Determinations: Second Volume), 79 (1998).
5033. Determination of uranium in clinical and environmental samples by FIAS-ICPMS
Z. Karpas, A. Lorber, L. Halicz, I. Gavrieli
ASTM Spec. Tech. Publ., STP 1344(Applications of Inductively Coupled Plasma-Mass Spectrometry to Radionuclide Determinations: Second Volume), 89 (1998).
5034. Determination of total and inorganic mercury in whole blood by online digestion with flow injection
H. P. Chen, D. C. Paschal, D. T. Miller, J. C. Morrow
At. Spectrosc., **19**, 176 (1998).
5035. Improved sample throughput using Flow Injection rapid microsampling for ICP-MS
E. Debrah, Jean-Francois Alary
At. Spectrosc., **20**, 1 (1999).
5036. Automatic determination of metals in parenteral solutions by FIA-AS

- I. Dol, G. Espinola, M. Knochen
Ar. Spectrosc., **20**, 39 (1999).
5037. High-throughput flow-injection analysis of glucose and glutamate in food and biological samples by using enzyme/polyion complex-bilayer membrane-based electrodes as the detectors
F. Mizutani, Y. Sato, Y. Hirata, S. Yabuki
Biosens. Bioelectron., **13**, 809 (1998).
5038. An optical biosensor for real-time chromatography monitoring: breakthrough determination
D. G. Bracewell, A. Gill, M. Hoare, P. A. Lowe, C. H. Maule
Biosens. Bioelectron., **13**, 847 (1998).
5039. An enzymic amplification flow injection analysis (FIA) system for the sensitive determination of phenol
B. Fuhrmann, U. Spohn
Biosens. Bioelectron., **13**, 895 (1998).
5040. A new method to determine enzyme activities in two-phase systems by flow injection analysis (FIA)
M. Becker, U. Spohn
Biosens. Bioelectron., **13**, 925 (1998).
5041. Flow injection analysis system for the supervision of industrial chromatographic downstream processing in biotechnology
P. Sosnitz, F. Irtel, R. Ulber, M. Busse, R. Faurie, L. Fischer, T. Schepfer
Biosens. Bioelectron., **13**, 1251 (1998).
5042. Characterization of immobilization methods for African swine fever virus protein and antibodies with a piezoelectric immunosensor
E. Uttenthaler, C. Kosslinger, S. Drost
Biosens. Bioelectron., **13**, 1279 (1998).
5043. Natural silk fibroin as a support for enzyme immobilization
Yu-Qing Zhang
Biotechnol. Adv., **16**, 961 (1998).
5044. A flow injection flow cytometry system for online monitoring of bioreactors
R. Zhao, A. Natarajan, F. Srienc
Biotechnol. Bioeng., **62**, 609 (1999).
5045. β -glucan difference. A new parameter for the evaluation of the cytolytic resolution of malt
N. Wagner
Brauwelt, **139**, 204 (1999).
5046. Flow Detection system using chemical sensor with renewable reaction surface on a solid support
T. Yamane
Bunseki Kagaku, **11**, 881 (1998).
5047. Fluorescence properties of the Ga(III)-bipyridyl complex in aqueous solution
K. Watanabe, S. Abe, M. Itagaki
Bunseki Kagaku, **47**, 605 (1998).
5048. Development of a selective and sensitive flow-injection system for analyses of pharmaceuticals and clinical samples
N. Ohno, T. Sakai
Bunseki Kagaku, **47**, 795 (1998).
5049. Investigation and application of LC/¹H-NMR using semimicro LC and a micro-probe
T. Fukuhara, K. Komatsu, S. Yoshida, O. Sakamoto, S. Yamamoto, T. Takamatsu
Bunseki Kagaku, **47**, 845 (1998).
5050. Ion association and its reaction mechanism (review)
S. Motomizu
Bunseki Kagaku, **48**, 151 (1999).
5051. Development of a new gas-permeation system and its application to the spectrophotometric determination of ammonium ion by FIA
K. Higuchi, A. Inoue, T. Tsuboi, S. Motoomizu
Bunseki Kagaku, **48**, 253 (1999).
5052. Kinetic-catalytic determinations of metal ions at ultratrace levels by using redox reactions of organic compounds
S. Nakano
Bunseki Kagaku, **48**, 285 (1999).
5053. Online treatments for highly sensitive flow-injection analysis
M. Oshima
Bunseki Kagaku, **48**, 315 (1999).
5054. Determination of dichloroquinolinol in tablets by flow injection analysis
J. Dolejšova, R. Karlicek, M. Pospisilova
Ceska Slov. Farm., **47**, 229 (1998).
5055. Flow injection determination of pesticides
C. G. Benito, J. M. Calatayud
Chem. Anal., **43**, 787 (1998).
5056. Analytical application of FIA-AAS combination for the determination of heavy metals in environmental samples

- M. Foltin, T. Prochackova
Chem. Listy, **92**, 978 (1998).
5057. A knowledge-based system for real-time validation of calibrations and measurements
A. Lohn, B. Hitzmann
Chemom. Intell. Lab. Syst., **46**, 57 (1999).
5058. A review on applications of wavelet transform techniques in chemical analysis: 1989-1997
A. Kai-Man Leung, Foo-Tim Chau, Jun-Bin Gao
Chemom. Intell. Lab. Syst., **43**, 165 (1998).
5059. Detection of oxidizing agents with chemiluminescence method using ruthenium complex
K. Yokota, K. Saito, S. Murakami, A. Muromatsu, S. Yamazaki
Chromatography, **19**, 340 (1998).
5060. Establishment and analytical quality control of laboratories for Hg determination in biological and geological samples in the Amazon, Brazil
W. R. Bastos, O. Malm, W. C. Pfeiffer, D. Cleary
Cienc. Cult. (Sao Paulo), **50**, 255 (1998).
5061. The use of a membrane gas-liquid separator for flow injection hydride generation atomic absorption spectrometry online speciation and determination of As(III) and As(V)
M. Krenzelok, P. Rychlovsky
Collect. Czech. Chem. Commun., **63**, 2027 (1998).
5062. Determination of iron in soils by flow injection atomic absorption spectrometry
A. M. R. Ferreira, A. O. S. S. Rangel, J. L. F. C. Lima
Commun. Soil Sci. Plant Anal., **29**, 2407 (1998).
5063. Flow and sequential injection systems in process control and monitoring. Achievements and challenges
J. F. Van Staden
Curr. Trends Anal. Chem., **1**, 89 (1998).
5064. Amperometric determination of acids
F. Kusu
Dojin News, **89**, 3 (1998).
5065. Online determination of aluminum by flow injection
H. Ren, J. Long, M. Wu
Dongbei Shida Xuebao, Ziran Kexueban, **1**, 36 (1998).
5066. A six sensor array of coated-wire electrodes for use in a portable flow injection analyzer
P. W. Alexander, T. Dimitrakopoulos, D. B. Hibbert
Electroanalysis, **10**, 707 (1998).
5067. Determination of tert-butylhydroxytoluene by flow injection analysis at polymer modified glassy carbon electrodes
C. D. Garcia, P. I. Ortiz
Electroanalysis, **10**, 832 (1998).
5068. A novel assembly for perfluorinated ion-exchange membrane-based sensors designed for electroanalytical measurements in nonconducting media
R. Toniolo, N. Comisso, G. Bontempelli, G. Schiavon, S. Sitran
Electroanalysis, **10**, 942 (1998).
5069. Electrooxidation of aliphatic amines and their amperometric detection in flow injection and liquid chromatography at a nickel-based glassy carbon electrode
I. G. Casella, S. Rosa, E. Desimoni
Electroanalysis, **10**, 1005 (1998).
5070. Protein detection using conducting polymer microarrays
W. Lu, T. A. Nguyen, G. G. Wallace
Electroanalysis, **10**, 1101 (1998).
5071. Electrocatalysis and amperometric detection at a ruthenium-modified indium-hexacyanoferrate film electrode
T. R. I. Cataldi, G. E. De Benedetto, A. Bianchini
Electroanalysis, **10**, 1163 (1998).
5072. Mytilus edulis adhesive protein (MAP) as an enzyme immobilization matrix in the fabrication of enzyme-based electrodes
C. Saby, J. H. T. Luong
Electroanalysis, **10**, 1193 (1998).
5073. Electrocatalysis with a dirhodium-substituted polyoxometalate anchored in a xerogel-based composite. Application to the oxidation of methionine and cystine at physiological pH
M. E. Tess, J. A. Cox
Electroanalysis, **10**, 1237 (1998).
5074. Horseradish peroxidase immobilized electrode for phenothiazine analysis

- C. Petit, K. Murakami, A. Erdem, E. Kilinc, B. G. Ortiz, Jean-Francois Liegeois, Jean-Michel Kauffmann
Electroanalysis, **10**, 1241 (1998).
5075. Electrocatalytic oxidation of NADH in flow analysis by graphite electrode modified with 2,6-dichlorophenolindophenol salts
A. B. Florou, M. I. Prodromidis, M. I. Karayannis, S. M. Tzouvara-Karayanni
Electroanalysis, **10**, 1261 (1998).
5076. Reticulated vitreous carbon-based composite enzyme electrodes as suitable biosensors in both aqueous and predominantly nonaqueous media
N. Pena, M. Romero, F. J. M. De Villena, A. J. Riviejo, J. M. Pingarron
Electroanalysis, **11**, 85 (1999).
5077. Determination of cholesterol-content in food products and possibilities of automation of measurement
T. Sandor, B. Orsolya, O. Ferenc
Elelmaz. Ip., **52**, 169 (1998).
5078. River Analyzer for Chlorotriazines with a Direct Optical Immunosensor
E. Mallat, C. Barzen, A. Klotz, A. Brecht, G. Gauglitz, D. Barcelo
Environ. Sci. Technol., **33**, 965 (1999).
5079. Detection of reaction intermediates by flow injection electrospray ionization mass spectrometry: reaction of chemiluminescent N-sulfonylacridinium-9-carboxamides with hydrogen peroxide
M. Adamczyk, J. R. Fishpau, J. C. Gebler, P. G. Mattingly, K. Shreder
Eur. Mass Spectrom., **4**, 121 (1998).
5080. Rapid determination of ethanol in fermentation samples by flow injection analysis with a biosensor
W. Zhang, Y. He, Y. Lu, Y. Shang
Fenxi Ceshi Xuebao, **17**, 22 (1998).
5081. Direct fluorometric and flow-injection fluorometric methods for the determination of trace phosphorus
G. Song, J. Feng
Fenxi Ceshi Xuebao, **17**, 75 (1998).
5082. Flow injection online preconcentration with anion exchange resin and flame atomic absorption spectrometric determination of trace copper
J. Liu, H. Chen, X. Mao
Fenxi Huaxue, **26**, 1369 (1998).
5083. Determination of free cyanide in mineral extracts by reverse flow injection analysis-spectrophotometry
J. Wang, Q. Wang, Y. He, X. Luo, Q. Liu
Fenxi Huaxue, **26**, 1524 (1998).
5084. Flow injection chemiluminescence determination of L-dopa with electrogenerated hypochlorite
J. Huang, C. Zhang, Z. Zhang
Fenxi Huaxue, **27**, 41 (1999).
5085. New electrogenerated chemiluminescence method for the determination of persantine with flow-injection analysis
X. Zheng, Z. Zhang
Fenxi Huaxue, **27**, 145 (1999).
5086. Electrochemiluminescence detection of amino acids and peptides by flow injection analysis
X. Chen, M. Sato
Fenxi Kexue Xuebao, **14**, 278 (1998).
5087. Sequential injection analysis and its applications
Z. Xue, L. Zhao
Fenxi Kexue Xuebao, **15**, 70 (1999).
5088. Determination of vanadium by flow injection chemiluminescence based on coupled reaction
W. Li, Z. Wang, J. Li, Z. Zhang
Fenxi Shiyanshi, **17**, 41 (1998).
5089. Application of multi-function solution handling device for flow injection technique in atomic absorption spectrometry
Z. Jin, Z. Tang, G. Wang, X. Guo, S. Zhang
Fenxi Shiyanshi, **17**, 49 (1998).
5090. Recent advances in analytical chemistry of rare earths
G. Bai, L. Yuan, W. Yang
Fenxi Shiyanshi, **17**, 53 (1998).
5091. Simultaneous determination of trace arsenic, antimony and bismuth in electrolytic copper sample by flow injection hydride generation coupled with inductively coupled plasma atomic emission spectrometry
X. Yu, J. Chen, S. Wang, Z. Liao, Z. Jiang
Fenxi Shiyanshi, **17**, 57 (1998).
5092. Approach for improving the linear range in flow injection analysis
G. Wu, N. Wu

- Fenxi Shiyanshi*, **17**, 76 (1998).
5093. Chemiluminescence reaction of aminodipyrene-formaldehyde-potassium permanganate system
Y. He, J. Du, M. Feng, J. Lu
Fenxi Shiyanshi, **18**, 13 (1999).
5094. An investigation of chemiluminescence reaction in sodium hypochlorite-rutin-semicarbazide hydrochloride system
F. Nie, L. Li, M. Feng, J. Lu
Fenxi Shiyanshi, **18**, 54 (1999).
5095. Flow injection online separation and preconcentration of microamount of lead from nickel sulfate electrolyte solution followed by AAS
Y. Zheng, X. Wu, Y. Gao, Z. Zhou, L. Wang, Y. Wang
Fenxi Shiyanshi, **18**, 60 (1999).
5096. Intelligent controller and software for flow injection water analyzer
S. Fang, Z. Li, C. Peng
Fenxi Yiqi, **1**, 17 (1998).
5097. Flow injection analysis-fluorescence quenching method for determination of trace phosphorus(V) and silicon(IV)
G. Song, G. Fang
Fenxi Yiqi, **2**, 50 (1998).
5098. Microcomputer-controlled flow injection analyzer
C. Dong, Y. Zi, L. Chen, Y. Li
Fenxi Yiqi, **4**, 19 (1998).
5099. Creatinine, creatine and protein in cooked meat products
G. Del Campo, B. Gallego, I. Berregi, J. A. Casado
Food Chem., **63**, 187 (1998).
5100. Optosensing of hydrochloric acid based on the fluorescence quenching of a flavone copolymer
W. H. Liu, J. H. Tang, Y. Wang, G. L. Shen, R. Q. Yu
Fresenius' J. Anal. Chem., **362**, 387 (1998).
5101. Flow injection analysis of Zn and Co in beverages, biological, environmental, and pharmaceutical samples
S. G. Aggarwal, K. S. Patel
Fresenius' J. Anal. Chem., **362**, 571 (1998).
5102. An integrated reaction-retention and spectrophotometric detection flow system for the determination of nickel
M. J. A. Canada, M. I. P. Reguera, A. M. Diaz
Fresenius' J. Anal. Chem., **363**, 59 (1999).
5103. FI spectrophotometric determination of Pd with DBOK-chlorophosphonazo
J. Huang, X. G. Chen, Z. D. Hu, Z. F. Zhao, M. Hooper
Fresenius' J. Anal. Chem., **363**, 117 (1999).
5104. Flow injection chemiluminescence determination of isoniazid with electrogenerated hypochlorite
J. C. Huang, C. X. Zhang, Z. J. Zhang
Fresenius' J. Anal. Chem., **363**, 126 (1999).
5105. Ultra-trace analysis of nitrite in food samples by flow injection with spectrophotometric detection
A. A. Ensafi, G. B. Dehaghei
Fresenius' J. Anal. Chem., **363**, 131 (1999).
5106. Flow injection-solid phase spectrofluorimetric determination of pyridoxine in presence group B-vitamins
A. Ruiz-Medina, M. L. Fernandez-de Cordova, A. Molina-Diaz
Fresenius' J. Anal. Chem., **363**, 265 (1999).
5107. Possibilities for the simultaneous preconcentration and flame atomic absorption spectrometric determination of Cr(III) and Cr(VI) using a C18 column and sorption loop
A. Gaspar, C. Sogor, J. Posta
Fresenius' J. Anal. Chem., **363**, 480 (1999).
5108. Flow injection electrochemical hydride generation atomic absorption spectrometry (FI-EHG-AAS) as a simple device for the speciation of inorganic arsenic and selenium
U. Pyell, A. Dworschak, F. Nitschke, B. Neidhart
Fresenius' J. Anal. Chem., **363**, 495 (1999).
5109. Determination of arsenic species in human urine using HPLC with online photooxidation or microwave-assisted oxidation combined with flow-injection HG-AAS
R. Sur, J. Begerow, L. Dunemann
Fresenius' J. Anal. Chem., **363**, 526 (1999).
5110. Studies on adsorption properties of chromium(VI) on the nanometer-size TiO₂ powder surfaces using online flow-injection analysis
W.-H. Ma, R.-H. Cai, Z.-X. Lin
Gaodeng Xuexiao Huaxue Xuebao, **19**, 1566 (1998).

5111. Determination of Ni, Cu and Hg by flow injection preconcentration coupled with HPLC
A. Akbar, H. Shen, Guang-Ming Xu, Xue-Feng Yin
Gaodeng Xuexiao Huaxue Xuebao, **19**, 1746 (1998).
5112. Studies on reducing sugar in honey by flow injection spectrophotometry
Han-Ying Xu, Ke-Min Wang
Gaodeng Xuexiao Huaxue Xuebao, **19**, 1925 (1998).
5113. New flow-injection analysis electrogenerated chemiluminescence method and the determination of S2-
Xing-Wang Zheng, Zhu-Jun Zhang
Gaodeng Xuexiao Huaxue Xuebao, **20**, 209 (1999).
5114. Voltammetric determinations of environmental pollutants at microelectrodes
J. Schwarz, H. Kaden, U. Enseleit
GIT Labor-Fachz., **42**, 1163 (1998).
5115. Flow injection-graphite furnace coupling. Has the quartz cell superannuated?
A. Meyer, M. Feuerstein, G. Schlemmer
GIT Labor-Fachz., **43**, 109 (1999).
5116. Determination of trace arsenic in geological samples by flow injection hydride generation-vapor storage and pulsed sampling atomic fluorescence spectrometry
J. Zhou, X. Cheng
Guangpu Shiyanshi, **15**, 28 (1998).
5117. Determination of sulfate ion in environmental water samples by flow injection spectrophotometry
S. Fan, Z. Fang
Guangpuxue Yu Guangpu Fenxi, **18**, 590 (1998).
5118. Extractive chromatographic online preconcentration-flow injection flame atomic absorption spectrometric determination of trace silver in geological samples
Y. Yuan, X. Guo
Guangpuxue Yu Guangpu Fenxi, **18**, 593 (1998).
5119. Flow injection catalytic-kinetic fluorometric determination of trace ruthenium
K. Wang, X. Cheng, Z. Hu
Guojinshu, **19**, 40 (1998).
5120. Technical principle of flow injection-derivative-flame atomic absorption spectrometry
H. Sun, X. Luo, D. Zheng
Hebei Daxue Xuebao, Ziran Kexueban, **18**, 354 (1998).
5121. Development of apparatus that monitors seawater pollution (3rd report)
N. Shiba, H. Watanabe, K. Marusita, Y. Kuramoto M. Kikkawa, Y. Tanaka, Y. Mizue, K. Yamaoka, N. Takata
Hiroshima-kenritsu Seibu Kogyo Gijutsu Senta Kenkyu Hokoku, **41**, 53 (1998).
5122. Simultaneous spectrophotometric determination of nitrite and nitrate in environmental water and vegetable by flow injection analysis
L. Gao, Z. Zhang
Huanjing Kexue, **19**, 84 (1998).
5123. Determination of Cr(VI) in Huai River water by flow injection chemiluminescence method
H. Han, Z. He, Q. Luo, X. Yu
Huanjing Wuran Yu Fangzhi, **20**, 34 (1998).
5124. Determination of trace As in water by flow injection hydride generation atomic absorption spectrometry
G. Xu, A. Ali, X. Lu, X. Yin
Huanjing Wuran Yu Fangzhi, **20**, 35 (1998).
5125. Recent development in electrochemical detection
S. Wu, C. Pan
Huaxue Chuanganqi, **18**, 40 (1998).
5126. Chemiluminescence biosensor for determination of acetylcholine and choline
Zheng-Hua Song, Zhu-Jan. Zhang, Wen-Zhe. Fan
Huaxue Xuebao, **56**, 1207 (1998).
5127. Detection of nitric oxide using an optical sensor
P. C. Pandey
Indian J. Chem. Technol., **5**, 402 (1998).
5128. Similar but not equal
I. D. MacFarlane, C. M. Logan, H. J. Elseroad.
Ind. Wastewater, **6**, 41 (1998).
5129. Determination of diffusion coefficients of proteins by flow injection analysis and its application to estimation of molecular masses of proteins
M. Ibrahim, G. Zou, J. Zhu
Instrum. Sci. Technol., **26**, 333 (1998).

5130. Potentiometric detection of anions separated by liquid chromatography using a metallic silver wire electrode
Z. Chen, P. W. Alexander
Instrum. Sci. Technol., 26, 421 (1998).
5131. Development of a four-channel potentiostat for amperometric detection in flow injection analysis
R. C. Matos, L. Angnes, C. L. Do Lago
Instrum. Sci. Technol., 26, 451 (1998).
5132. Flow-injection amperometric determination for sucrose and glucose in sugarcane juice and molasses
I. Luiz de Mattos, E. A. Guidetti Zagatto, G. De Oliveira Neto
Int. Sugar J., 100, 320 (1998).
5133. Analysis of hydrolysis products of nerve agents methyl phosphonic acids by Frit FAB LC/MS and LC/MS/MS
M. Katagi, M. Tatsuno, M. Nishikawa, H. Tsuchihashi
Jpn. J. Forensic Toxicol., 16, 148 (1998).
5134. Improvement in the determination of mancozeb residues by the carbon disulfide evolution method using flow injection analysis
D. Bohrer, P. Cicero do Nascimento, H. M. Gomes
J. Agric. Food Chem., 47, 212 (1999).
5135. Report of 1997-BCOJ collaborative work. Determination of high molecular weight β -glucan in beer by post-column Calcofluor flow injection analysis
H. Maeba, T. Asakura, N. Hatakeyama, R. W. Joy, T. Morikawa, Y. Nakamura, M. Okada, K. Oshita, M. Tanaka
J. Am. Soc. Brew. Chem., 56, 127 (1998).
5136. Report of 1997-BCOJ collaborative work. High molecular weight β -glucan content in beer
Anon.
J. Am. Soc. Brew. Chem., 56, 129 (1998).
5137. Relationships among the β -glucan contents of barley, malt, malt Congress extract, and beer
M. J. Edney, D. E. LaBerge, D. E. Langrell
J. Am. Soc. Brew. Chem., 56, 164 (1998).
5138. Evaluation of a dual electrospray ionization/atmospheric pressure chemical ionization source at low flow rates (apprx. 50 μ L/min) for the analysis of both highly and weakly polar compounds
M. M. Siegel, K. Tabei, F. Lambert, L. Candela, B. Zoltan
J. Am. Soc. Mass Spectrom., 9, 1196 (1998).
5139. Flow injection with chemical reaction interface-isotope ratio mass spectrometry: An alternative to off-line combustion for detecting low levels of enriched ^{13}C in mass balance studies
P. Chen, Y. Teffera, G. E. Black, F. P. Abramson
J. Am. Soc. Mass Spectrom., 10, 153 (1999).
5140. Atomic spectrometry update- industrial analysis: metals, chemicals and advanced materials
B. Fairman, M. W. Hinds, S. M. Nelms, D. M. Penny
J. Anal. At. Spectrom., 13, 233 (1998).
5141. Vesicle-assisted determination of ultratrace amounts of cadmium in urine by electrothermal atomic absorption spectrometry and inductively coupled plasma mass spectrometry
H. G. Infante, M. L. F. Sanchez, A. Sanz-medel
J. Anal. At. Spectrom., 13, 899 (1998).
5142. Interference removal for cadmium determination in waste water and sewage sludge by flow injection cold vapor generation atomic absorption spectrometry
M. L. Garrido, R. Munoz-olivas, C. Camara
J. Anal. At. Spectrom., 13, 1145 (1998).
5143. Use of flow injection cold vapor generation and preconcentration on silica functionalized with methylthiosalicylate for the determination of mercury in biological samples and sea-water by inductively coupled plasma atomic emission spectrometry
P. C. Rudner, J. M. C. Pavon, F. S. Rojas, A. G. de Torres
J. Anal. At. Spectrom., 13, 1167 (1998).
5144. Use of boric acid to improve the microwave-assisted dissolution-process to determine fluoride forming elements in steels by flow injection inductively coupled plasma mass spectrometry
A. G. Coedo, M. T. Dorado, I. Padilla, F. J. Alguacil
J. Anal. At. Spectrom., 13, 1193 (1998).
5145. Direct determination of trace metals in sea-water by inductively coupled plasma mass spectrometry
E. Rosland, W. Lund

- J. Anal. At. Spectrom.*, **13**, 1239 (1998).
5146. Completely integrated online determination of dissolved selenium(IV) and total inorganic selenium in sea-water by flow injection hydride generation atomic fluorescence spectrometry
Y. He, H. El Azouzi, M. Luisa Cervera, M. de la Guardia
J. Anal. At. Spectrom., **13**, 1291 (1998).
 5147. Flow injection manifold for matrix removal in inductively coupled plasma mass spectrometry by solid phase extraction: determination of Al, Be, Li and Mg in a uranium matrix
P. Becotte-Haigh, J. F. Tyson, E. Denoyer
J. Anal. At. Spectrom., **13**, 1327 (1998).
 5148. Electrochemical and chemical processes for hydride generation in flow injection ICP-MS: determination of arsenic in natural waters
L. F. R. Machado, A. O. Jacintho, A. A. Menegario, E. A. G. Zagatto, M. F. Gine
J. Anal. At. Spectrom., **13**, 1343 (1998).
 5149. Seasonal and regional variations of iodine in Danish dairy products determined by inductively coupled plasma mass spectrometry
E. H. Larsen, P. Knuthsen, M. Hansen
J. Anal. At. Spectrom., **14**, 41 (1999).
 5150. Determination of cadmium in biological and environmental materials by isotope dilution inductively coupled plasma mass spectrometry: effect of flow sample introduction methods
J. P. V. Mota, M. R. F. de la Campa, J. I. G. Alonso, A. Sanz-Medel
J. Anal. At. Spectrom., **14**, 113 (1999).
 5151. Evaluation of atomic fluorescence and atomic absorption spectrometric techniques for the determination of arsenic in wine and beer by direct hydride generation sample introduction
M. Segura, Y. Madrid, C. Camara
J. Anal. At. Spectrom., **14**, 131 (1999).
 5152. High-performance, flow-based, sample pre-treatment and introduction procedures for analytical atomic spectrometry
J. F. Tyson
J. Anal. At. Spectrom., **14**, 169 (1999).
 5153. Flow injection online group preconcentration and separation of (ultra)trace rare earth elements in environmental and geological samples by precipitation using a knotted reactor as a filterless collector for inductively coupled plasma mass spectrometric determination
Xiu-Ping Yan, R. Kerrich, M. J. Hendry
J. Anal. At. Spectrom., **14**, 215 (1999).
 5154. Ultrasound-assisted extraction for mercury speciation by the flow injection-cold vapor technique
S. Rio-Segade, C. Bendicho
J. Anal. At. Spectrom., **14**, 263 (1999).
 5155. Flow-injection determination of trace nitrite with chromatomembrane extraction preconcentration
V. V. Nikonorov, L. N. Moskvina
J. Anal. Chem., **53**, 948 (1998).
 5156. Flow-injection determination of some nitrogen-containing pharmaceuticals
I. A. Gur'ev, L. F. Zyuzina, A. A. Shabarin
J. Anal. Chem., **53**, 956 (1998).
 5157. Flow-photometric determination of beryllium with sorption preconcentration on a fibrous sorbent
L. N. Moskvina, S. V. Drogobuzhskaya, A. L. Moskvina
J. Anal. Chem., **54**, 240 (1999).
 5158. Flow-injection analysis based on substitution reactions and differential spectrophotometry
V. V. Kuznetsov, Y. V. Ermolenko
J. Anal. Chem., **54**, 336 (1999).
 5159. A submersible battery-powered flow injection (FI) sensor for the determination of nitrate in estuarine and coastal waters
A. R. J. David, T. McCormack, P. J. Worsfold
J. Autom. Methods Manage. Chem., **21**, 1 (1999).
 5160. Determination of $\mu\text{mol l}^{-1}$ level of iron(III) in natural waters and total iron in drugs by flow injection spectrophotometry
B. Sahasrabudhey, S. Mishra, A. Jain, K. K. Verma
J. Autom. Methods Manage. Chem., **21**, 11 (1999).
 5161. High current-density anodic electrodisolution in flow-injection systems for the determination of aluminum, copper and zinc in non-ferroalloys by flame atomic absorption spectrometry
C. A. Giacomozzi, R. R. U. Queiroz, I. G. Souza, J. A. G. Neto
J. Autom. Methods Manage. Chem., **21**, 17 (1999).

- (1999).
5162. Sequential determination of free and total cyanide by flow injection
M. A. B. Marin, E. M. Ganzarolli, A. Lehmkuhl, I. G. De Souza, R. R. U. De Queiroz
J. Autom. Methods Manage. Chem., **21**, 23 (1999).
 5163. Spectrophotometric determination of sulfide using flow injection analysis
M. Yaqoob, A. Nabi, A. Wahab, A. Bano, S. H. Shah, A. K. K Achakzai
J. Chem. Soc. Pak., **20**, 214 (1998).
 5164. Determination of anti-carcinogenic polyphenols present in green tea using capillary electrophoresis coupled to a flow injection system
L. Arce, A. Rios, M. Valcarcel
J. Chromatogr., A, **827**, 113 (1998).
 5165. Gradient elution electrochromatography with a flow-injection analysis interface
A. S. Lister, C. A. Rimmer, J. G. Dorsey
J. Chromatogr., A, **828**, 105 (1998).
 5166. Liquid chromatography of aromatic amines with photochemical derivatization and tris(bipyridine)ruthenium(III) chemiluminescence detection
M. E. Bolden, N. D. Danielson
J. Chromatogr., A, **828**, 421 (1998).
 5167. High-throughput flow injection analysis-mass spectrometry with networked delivery of color rendered results: the characterization of liquid chromatography fractions
R. Richmond, E. Gorlach, Jan-Marcus Seifert
J. Chromatogr., A, **835**, 29 (1999).
 5168. Gradient reversed-phase liquid chromatography coupled online to receptor-affinity detection based on the urokinase receptor
A. J. Oosterkamp, R. van der Hoeven, W. Glassgen, B. Konig, U.-R. Tjaden, J. van der Greef, H. Irth
J. Chromatogr., B: Biomed. Sci. Appl., **715**, 331 (1998).
 5169. Rapid detection of dihydrocodeine by thermospray mass spectrometry
M. Yoshida, A. Akane, Y. Okii, S. Yoshimura, T. Tokiyasu, T. Watabiki
J. Chromatogr., B: Biomed. Sci. Appl., **718**, 55 (1998).
 5170. Simple flow injection analysis system for determination of added sugars in dairy products
E. Corton, G. Locascio
J. Dairy Res., **5**, 675 (1998).
 5171. High sensitivity flow injection analysis of urea using composite electropolymerized polypyrrole-polyion complex film
T. Osaka, S. Komaba, Y. Fujino, T. Matsuda, I. Satoh
J. Electrochem. Soc., **146**, 615 (1999).
 5172. A cyclic flow injection system for a determination of thiamine using a sensitive chemiluminescent detection associated with Zero Emissions Research Initiative
M. Ishii, M. Kawashima
J. Flow Injection Anal., **15**, 25 (1998).
 5173. Flow injection methods using porous electrode materials
S. Uchiyama
J. Flow Injection Anal., **15**, 190 (1998).
 5174. Effect of ligand on potentiometry and its application to flow-injection analysis
T. Kawashima, N. Teshima, H. Katsumata
J. Flow Injection Anal., **15**, 198 (1998).
 5175. Method for determination of phosphate in water with malachite green and application to environmental waters
A. Aoki, K. Sato, K. Tamura, Y. Tanaka
J. Flow Injection Anal., **15**, 220 (1998).
 5176. Determination of phosphate utilizing fluorescent reaction of thiamine with molybdovanadophosphate by flow injection analysis
M. Kishida, T. Aoki
J. Flow Injection Anal., **15**, 234 (1998).
 5177. Online flow displacement immunoassay for fatty acid-binding protein
W. A. Kaptein, J. Korf, S. Cheng, M. Yang, Jan F. C. Glatz, R. Renneberg
J. Immunol. Methods, **217**, 103 (1998).
 5178. Determination of total sulfur dioxide in beer by flow injection spectrophotometry using gas-diffusion and the merging zones technique
S. M. V. Fernandes, A. O. S. S. Rangel, J. L. F. C. Lima
J. Inst. Brew., **104**, 203 (1998).

5179. Chemiluminescence-based detection: principles and analytical applications in flowing streams and in immunoassays
W. R.G. Baeyens, S. G. Schulman, A. C. Calokerinos, Y. Zhao, A. M. G. Campana, K. Nakashima, D. De Keukeleire
J. Pharm. Biomed. Anal., **17**, 941 (1998).
5180. Cefuroxime selective electrodes for batch and FIA determinations in pharmaceutical preparations
J. L. F. C. Lima, M. C. B. M. Montenegro, M. G. F. Sales
J. Pharm. Biomed. Anal., **18**, 93 (1998).
5181. Tetracycline, oxytetracycline and chlortetracycline determination by flow injection potentiometry
C. M. C. M. Couto, J. L. F. C. Lima, M. Conceicao, B. S. M. Montenegro, S. Reis
J. Pharm. Biomed. Anal., **18**, 527 (1998).
5182. An experimental design approach to the optimization of a flow injection analysis method for glycine
C. Vannecke, S. Bare, M. Bloomfield, D. L. Massart
J. Pharm. Biomed. Anal., **18**, 963 (1999).
5183. Redox hydrogel based bioenzyme electrode for L-glutamate monitoring
A. Belay, A. Collins, T. Ruzgas, P. T. Kissinger, L. Gorton, E. Csoregi
J. Pharm. Biomed. Anal., **19**, 93 (1999).
5184. A new enzyme electrode for quantification of salicylic acid in a FIA system
C. Martin, E. Dominguez
J. Pharm. Biomed. Anal., **19**, 107 (1999).
5185. Capillary electrochemical enzyme immunoassay (CEEI) for phenobarbital in serum
J. Zhang, W. R. Heineman, H. B. Halsall
J. Pharm. Biomed. Anal., **19**, 145 (1999).
5186. The determination of busulphan in dissolution samples by flow injection analysis
A. D. Dow, G. Finlay, M. S. Bloomfield
J. Pharm. Biomed. Anal., **19**, 549 (1999).
5187. Automation of radiochemical analysis by flow injection techniques. Am-Pu separation using TRU-resin sorbent extraction column
O. Egorov, J. W. Grate, J. Ruzicka
J. Radioanal. Nucl. Chem., **234**, 231 (1998).
5188. Flow injection analysis for hydrogen peroxide in environmental waters
A. Iwado, T. Mukuno, H. Akizawa, M. Mifune, Y. Saito
Kankyo Seigyo, **20**, 22 (1998).
5189. Determination of trace gold in geological samples with flow injection-diphenylthiourea cellulose online preconcentration-FAAS
L. Li, Q. Su, L. Li
Kuangwu Yanshi, **18**, 112 (1998).
5190. Development of a fully integrated microdistillation 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**, 199 (1998).
5191. Simultaneous determination of total calcium and phosphorus in milk using flow-injection analysis
T. Dimitrakopoulos, J. R. Farrell, P. J. Iles
Lab. Rob. Autom., **10**, 235 (1998).
5192. Robotic sample pretreatment coupled with flow-injection online sorption preconcentration-electrothermal atomic absorption spectrometry for the determination of copper in environmental and biological materials
A. Velasco-Arjona, M. D. L. De Castro, E. Ivanova, F. Adams
Lab. Rob. Autom., **10**, 293 (1998).
5193. Flame atomic absorption determination of trace cobalt in steel samples using a flow-injection online separation system
M. C. Yebra-Biurrun
Lab. Rob. Autom., **10**, 299 (1998).
5194. Na⁺-selective NASICON electrode used as potentiometric and amperometric sensor in a wall-jet FI system
I. C. Stefan, I. C. Popescu, P. Fabry
Lab. Rob. Autom., **10**, 339 (1998).
5195. Flow injection and atomic absorption spectrometry-an effective and attractive analytical chemical combination
E. H. Hansen, S. Nielsen
Lab. Rob. Autom., **10**, 347 (1998).
5196. Flow-injection atomic absorption spectrometry system for mercury determination in water
A. F. Janet, E. Georgescu, M. Cheregi, D. Hiliuta
Lab. Rob. Autom., **10**, 355 (1998).
5197. An automated system for carbohydrate analysis

- based on microdialysis, high-performance anion exchange chromatography, electrochemical detection, and mass spectrometry
N. Torto, A. Cohen, L. Gorton, T. Laurell, R. A. M. Van der Hoeven
Lab. Rob. Autom., **10**, 361 (1998).
5198. Flow injection for iodide determination at the ppb level
W. Chantore, S. Muangkaew, J. Shiowatana, D. Nacapricha
Lab. Rob. Autom., **11**, 37 (1999).
5199. Flow-injection spectrophotometric determination of vitamin B₁ (thiamine) in multivitamin preparations
C. Aniceto, A. V. Pereira, C. O. Costa-Neto, O. Fatibello-Filho.
Lab. Rob. Autom., **11**, 45 (1999).
5200. Determination of the toxicological-relevant arsenic content in urine
J. Baasner, T. Z. Guo, D. L. Tsalev
LaborPraxis, **22**, 18 (1998).
5201. ICP-TOF-MS. Promising and important for practice
R. A. Weck
LaborPraxis, **23**, 26 (1999).
5202. Determination of Binding Constants by Flow Injection Gradient Technique
C. D. Tran, M. S. Baptista, T. Tomooka
Langmuir, **14**, 6886 (1998).
5203. Interfacial Properties of Biotin Conjugate-Avidin Complexes Studied by Acoustic Wave Sensor
S. Ghafouri, M. Thompson
Langmuir, **15**, 564 (1999).
5204. Probing the Barrier Properties of Self-Assembled Monolayers Using Flow Amperometry
J. Wang, J. L. Lopez Paz, M. Jiang
Langmuir, **15**, 1884 (1999).
5205. Determination of trace vanadium by reversed-flow injection-catalytic spectrophotometry
X. Liu, Z. Zhang
Lihua Jianshan, Huaxue Fence, **34**, 101 (1998).
5206. Gradient dilution FIA determination of magnesium in high concentration bittern of carnallite
Z. Zhang, Q. Chen, C. Li, F. Ren, J. Xu
Lihua Jianshan, Huaxue Fence, **34**, 126 (1998).
5207. Simultaneous determination of iron and aluminum with flow injection-standard addition dual wavelength spectrophotometry
X. Qu, J. Zhou, Y. Sun, C. Zhang
Lihua Jianshan, Huaxue Fence, **34**, 195 (1998).
5208. Determination of trace copper by flame atomic absorption spectrometry coupled with flow injection online coprecipitation preconcentration
X. Jin, J. Liu, H. Chen, X. Mao
Lihua Jianshan, Huaxue Fence, **34**, 246 (1998).
5209. Online oxidation-flow injection-chemiluminescence method for determination of trace Cr(III) and Cr(VI)
H. Han, Z. He, Q. Luo, Y. Zeng
Lihua Jianshan, Huaxue Fence, **34**, 295 (1998).
5210. FIA photometric determination of calcium in feed
M. Dong, L. Li
Lihua Jianshan, Huaxue Fence, **34**, 315 (1998).
5211. FIA-cold-vapor AAS determination of mercury in garbage samples
H. Ma, H. Liu, J. Li
Lihua Jianshan, Huaxue Fence, **34**, 449 (1998).
5212. Study on FIA-chemiluminescence determination of zirconium based on coupled reaction
W. Li, J. Li, Z. Zhang
Lihua Jianshan, Huaxue Fence, **34**, 486 (1998).
5213. Cytosolic metal speciation studies by sequential, online, SE-IE/HPLC-ICP-MS
A. Z. Mason, R. F. Meraz
Mar. Environ. Res., **46**, 573 (1998).
5214. Online sorption preconcentration and FIA-FAAS determination of palladium and platinum in solution
L. V. Bogacheva, I. A. Kovalev, G. I. Tsylin, A. A. Formanovsky, Y. A. Zolotov
Mendeleev Commun., **1998**, 171.
5215. A new approach to cyanide analysis
M. Straka
Met. Finish, **96**, 34 (1998).
5216. Microdetermination of proteins with the 1,10-phenanthroline-H₂O₂-cetyltrimethylammonium bromide-Cu(II) chemiluminescence system
Z. P. Li, K. A. Li, T. S. Yang
Microchem. J., **60**, 217 (1998).
5217. Flow injection online photochemical reaction coupled to spectrofluorimetry for the determination of sulfamethazine using sodium sulfite as sensitizing reagent

- Q. He, H. Chen, X. Cao
Microchem. J., **61**, 125 (1999).
5218. Electrogenated chemiluminescence using solution phase and immobilized tris(4,7-diphenyl-1,10-phenanthroline)disulfonic acid)ruthenium(II)
R. M. Blanchard, A. F. Martin, T. A. Nieman, D. J. Guerrero, J. P. Ferraris
Mikrochim. Acta, **130**, 55 (1998).
5219. Determination and evaluation of sodium boron hydride releasable mercury in wine and wine containing beverages
P. Herbst, M. Netzer, K. Heili, F. Brandion
Mitt. Klosterneuburg, **48**, 149 (1998).
5220. From the apparatus to the method. Trends in atomic spectroscopy
G. Schlemmer
Nachr. Chem., Tech. Lab., **47**, 37 (1999).
5221. Flow injection analysis of lipid hydroperoxides
K. Akasaka, H. Ohnui
Nihon Yukagakkaiishi, **47**, 1053 (1998).
5222. Advance in analytical technique for surfactants
Y. Horiguchi, K. Tanaka
Nihon Yukagakkaiishi, **47**, 1123 (1998).
5223. Enzyme-modified carbon paste electrodes - a new way to reagent-free enzymic analysis
V. U. Spohn
Nova Acta Leopold., Suppl., **15**, 155 (1998).
5224. Different kinetics of hydroquinone depletion in various medicinal plant tissue cultures producing arbutin
L. Jahodar, J. Duskova, M. Polasek, P. Papugova
Pharmazie, **54**, 234 (1999).
5225. A high-throughput method for the quantitative determination of alliin
M. Keusgen
Planta Med., **64**, 736 (1998)..
5226. A simple cell for assembling commercial ion-selective electrodes in continuous flow analyzers
M. A. B. Marin, E. M. Ganzarolli, R. R. U. Queiroz, I. G. De Souza
Quim. Nova, **21**, 802 (1998).
5227. Online anodic electrodisolution system for direct determination of metallic alloys by atomic absorption spectrometry
J. B. B. Silva, M. B. O. Giacomelli, A. Lehmkuhl, A. J. Curtius, R. R. U. Queiroz, I. G. De Souza
Quim. Nova, **22**, 18 (1999).
5228. A thermostatisation system for flow injection analysis applications
A. Lehmkuhl, E. M. Ganzarolli, I. G. D. S. E. F. Nome
Quim. Nova, **22**, 136 (1999).
5229. Classification and definition of analytical methods based on flowing media
E. A. G. Zagatto E. Cludio C. Oliveria, C. H. Collins
Quim. Nova, **22**, 143 (1999).
5230. Direct identification of yessotoxin in shellfish by liquid chromatography coupled with mass spectrometry and tandem mass spectrometry
R. Draisci, L. Giannetti, L. Lucentini, E. Ferretti, L. Palleschi, C. Marchiafava
Rapid Commun. Mass Spectrom., **12**, 1291 (1998).
5231. Automated capillary electrochromatography tandem mass spectrometry using mixed mode reversed-phase ion-exchange chromatography columns
V. Spikmans, S. J. Lane, U. R. Tjaden, J. Van Der Greef
Rapid Commun. Mass Spectrom., **13**, 141 (1999).
5232. Online total arsenic determination in urine and geothermal fluids by flow injection-hydride generation atomic absorption spectrometry with microwave oven sample mineralization/oxidation
J. L. Burguera, M. Burguera, A. F. Danet
Rev. Roum. Chim., **43**, 301 (1998).
5233. Acetaminophen determination by flow injection analysis with biampereometric detection
A. F. Danet, V. David, I. David
Rev. Roum. Chim., **43**, 811 (1998).
5234. Enzymic activities of glucose oxidase immobilized under high-pressure conditions
K. Gamoh
Seibutsu Kagaku Kaishi, **76**, 413 (1998).
5235. Electrochemiluminescence of luminol for 2,4-D optical immunosensing in a flow injection analysis system
C. A. Marquette, L. J. Blum
Sens. Actuators, B, **B51**, 100 (1998).

5236. Novel chemiluminometric H_2O_2 sensors for the selective flow injection analysis
D. Janasek, U. Spohn, D. Beckmann
Sens. Actuators, B, **B51**, 107 (1998).
5237. Simultaneous determination of iron and vanadium by catalytic spectrophotometry in a flow injection system
X. Liu, Z. Zhang, S. Chen
Shaanxi Shifan Daxue Xuebao, Ziran Kexueban, **26**, 63 (1998).
5238. Determination of analgin by flow injection analysis with chemiluminescence detection
L. Li, F. Nie, M. Yang, M. Feng, J. Lu
Shaanxi Shifan Daxue Xuebao, Ziran Kexueban, **26**, 65 (1998).
5239. Flow injection with online dialysis-UV spectrophotometric determination of dissolution of paracetamol tablets
Q. Fang, Z. An, Z. Fang, S. Zhang, Z. Liu, Y. Sun
Shenyang Yaoke Daxue Xuebao, **15**, 62 (1998).
5240. Optimization of FIA/pulse injection method at analysis of reactivity to fiber
Y. Nagatsu, Y. Maeshima, A. Ishihara, H. Kino
Shizuoka-ken Hamanatsu Kogyo Gijutsu Senta Kenkyu Hokoku, **8**, 95 (1998).
5241. Electrothermal atomic absorption spectrometric determination of cadmium and lead in blood using flow injection online sorption preconcentration in a knotted reactor
E. Ivanova, W. Van Mol, F. Adams
Spectrochim. Acta, Part B, **53B**, 1041 (1998).
5242. Analytical characteristics of a high efficiency ion transmission interface (S mode) inductively coupled plasma mass spectrometer for trace element determinations in geological and environmental materials
I. B. Brenner, M. Liezers, J. Godfrey, S. Nelms, J. Cantle
Spectrochim. Acta, Part B, **53B**, 1087 (1998).
5243. Determination of lead in calcium carbonate by flow-injection hydride generation with dc plasma atomic emission detection
I. D. Brindle, R. McLaughlin, N. Tangtreemjitmun
Spectrochim. Acta, Part B, **53B**, 1121 (1998).
5244. Determination of plutonium in seawater using co-precipitation and inductively coupled plasma mass spectrometry with ultrasonic nebulization
A. E. Eroglu, C. W. McLeod, K. S. Leonard, D. McCubbin
Spectrochim. Acta, Part B, **53B**, 1221 (1998).
5245. Trends and potentials in flow injection online separation and preconcentration techniques for electrothermal atomic absorption spectrometry
Z. Fang
Spectrochim. Acta, Part B, **53B**, 1371 (1998).
5246. The application of flow injection iminodiacetic acid-ethylcellulose membrane preconcentration and separation technique to atomic spectrometry
X. Wang, Z. Zuang, C. Yang, F. Zhyu
Spectrochim. Acta, Part B, **53B**, 1437 (1998).
5247. Inorganic trace analysis by mass spectrometry
J. S. Becker, Hans-Joachim Dietze
Spectrochim. Acta, Part B, **53B**, 1475 (1998).
5248. Flow injection determination of selenium by successive retention of Se(IV) and tetrahydroborate(III) on an anion-exchange resin and hydride generation electrothermal atomization atomic absorption spectrometry with in-atomizer trapping Part 1. Method development and investigation of interferences
P. E. Carrero, J. F. Tyson
Spectrochim. Acta, Part B, **53B**, 1931 (1998).
5249. A mathematical model for optimization of flow injection-hydride generation atomic fluorescence spectrometry
J. T. Van Elteren, Z. Slejkovec, H. A. Das
Spectrochim. Acta, Part B, **54B**, 311 (1999).
5250. Comparison of palladium and zirconium treated graphite tubes for in-atomizer trapping of hydrogen selenide in hydride generation electrothermal atomization atomic absorption spectrometry
F. Laborda, J. Medrano, J. I. Cortes, J. M. Mir, J. R. Castillo
Spectrochim. Acta, Part B, **54B**, 343 (1999).
5251. Kinetics of copper (III)/(II) tetraglycine reactions with sulfite. Analytical potentialities
D. Yoshida, H. D. Moya, R. L. Bonifacio, N. Coichev
Spectrosc. Lett., **31**, 1495 (1998).
5252. Spectrophotometric flow injection determination of L-ascorbic acid with a packed reactor

- containing ferric hydroxide
A. V. Pereira, O. Fatibello-Filho
Talanta, **47**, 11 (1998).
5253. Enzymic flow-injection determination of L-phenylalanine using the stopped-flow and merging-zones techniques
M. J. A. Parra, A. A. Mateos, M. M. Mata, C. G. De Maria
Talanta, **47**, 121 (1998).
5254. The H-point and generalized H-point standard additions methods for flow injection procedures
P. Campins-Falco, F. B. Gomez, F. Bosch-Reig
Talanta, **47**, 193 (1998).
5255. Flow injection-spectrophotometric determination of metoclopramide hydrochloride
M. R. Herrero, A. M. Romero, J. M. Calatayud
Talanta, **47**, 223 (1998).
5256. Development of a system with enzyme reactors for the determination of fish freshness
M.-A. Carsol, M. Mascini
Talanta, **47**, 335 (1998).
5257. Immobilization of 8-hydroxyquinoline onto silicone tubing for the determination of trace elements in seawater using flow injection ICP-MS
S. N. Willie, H. Tekgul, R. E. Sturgeon
Talanta, **47**, 439 (1998).
5258. Determination of phenylpropanolamine and methoxamine using flow-injection with fluorimetric detection
P. Vinas, C. Lopez-Eroz, F. J. Cerdan, M. Hernandez-Cordoba
Talanta, **47**, 455 (1998).
5259. Permanganate-based chemiluminescence analysis of cefadroxil monohydrate in pharmaceutical samples and biological fluids using flow injection
F. A. Aly, N. A. Alarfaifi, A. Alwarthan
Talanta, **47**, 471 (1998).
5260. Flow-injection catalytic spectrophotometric determination of nitrite using the redox reaction between naphthol green B and potassium bromate
Z. Zhang, L. Gao, H. Zhan
Talanta, **47**, 497 (1998).
5261. Indirect spectrophotometric determination of ascorbic acid with ferrozine by flow-injection analysis
A. Molina-Diaz, I. Ortega-Carmona, M. I. Pascual-Reguera
Talanta, **47**, 531 (1998).
5262. Flow injection determination of hydrazine with fluorimetric detection
A. A. Ensafi, B. Rezaei
Talanta, **47**, 645 (1998).
5263. Amperometric detection with microelectrodes in flow injection analysis: theoretical aspects and application in the determination of nitrite in saliva
V. Mori, M. Bertotti
Talanta, **47**, 651 (1998).
5264. Dual-phase gas-permeation flow-injection thermometric analysis for the determination of carbon dioxide
Shan-jun Liu, M. Tubino
Talanta, **47**, 711 (1998).
5265. A metallic cobalt electrode for the indirect potentiometric determination of calcium and magnesium in natural waters using flow injection analysis
Z. Chen, M. A. Adams
Talanta, **47**, 779 (1998).
5266. Determination of nicotine by reagent-injection flow injection photometric method
J. Liu, Y. Feng
Talanta, **47**, 833 (1998).
5267. Automated determination of tin and nickel in brass by online anodic electrodisolution and electrothermal atomic absorption spectrometry
J. B. B. Da Silva, M. B. O. Giacomelli, I. G. De Souza, A. J. Curtius
Talanta, **47**, 1191 (1998).
5268. Flow-injection potentiometric determination of paraquat in formulations and biological samples
B. Saad, M. Ariffin, M. I. Saleh
Talanta, **47**, 1231 (1998).
5269. Sensitive flow injection colorimetry of nitrite by catalytic coupling of N-phenyl-p-phenylenediamine with N,N-dimethylaniline
R. Kadowaki, S. Nakano, T. Kawashima
Talanta, **48**, 103 (1999).
5270. Spectrophotometric determination of copper(II) at low $\mu\text{g l}^{-1}$ levels using cation-exchange microcolumn in flow-injection
I. Isildak, A. Asan, M. Anda

- Talanta*, **48**, 219 (1999).
5271. Chemiluminescence flow system for the determination of ammonium ion
W. Qin, Z. Zhang, B. Li, Y. Peng
Talanta, **48**, 225 (1999).
 5272. Selective measurement of chromium(VI) by fluorescence quenching of ruthenium
T. M. A. Razek, S. Spear, S. S. M. Hassan, M. A. Arnold
Talanta, **48**, 269 (1999).
 5273. Piezoelectric detection of ion pairs between sulfonate and catecholamines for flow injection analysis of pharmaceutical preparations
Z. Mo, X. Long, M. Zhang
Talanta, **48**, 643 (1999).
 5274. Flow injection turbidimetric determination of thiamine in pharmaceutical formulations using silicotungstic acid as precipitant reagent
C. O. Costa-Neto, A. V. Pereira, C. Aniceto, O. Fatibello-Filho
Talanta, **48**, 659 (1999).
 5275. Simple and specific method for flow injection analysis determination of cationic surfactants in environmental and commodity samples
R. Patel, K. S. Patel
Talanta, **48**, 923 (1999).
 5276. Determination of trace metals in waters and compost by online precipitation coupled to flame atomic absorption spectrophotometry or ion chromatography
A. Martin-Esteban, R. M. Garcinuno, S. Angelino, P. Fernandez, C. Camara
Talanta, **48**, 959 (1999).
 5277. Characterization of cholera toxin by liquid chromatography-electrospray mass spectrometry
B. L. M. Van Baar, A. G. Hulst, E. R. J. Wils
Toxicon, **37**, 85 (1999).
 5278. Efficient isolation of the rare diarrhetic shellfish toxin, dinophysistoxin-2, from marine phytoplankton
K. J. James, A. G. Bishop, B. M. Healy, C. Roden, I. R. Sherlock, M. Twohig, R. Draisci, L. Giannetti, L. Lucentini
Toxicon, **37**, 343 (1999).
 5279. Flow-through sensors for enhancing sensitivity and selectivity of FTIR spectroscopy in aqueous media
B. Lendl, R. Schindler
Vib. Spectrosc., **19**, 1 (1999).
 5280. Characterization and monitoring of persistent toxic organics in the aquatic environment
H. F. Schroder
Water Sci. Technol., **38**, 151 (1998).
 5281. Determination of L-glutamate in various commercial soy sauce products using flow injection analysis with a modified electrode
S. Udomsopagit, M. Suphantharika, W. Kunneke, U. Bilitewski, A. Bhumiratana
World J. Microbiol. Biotechnol., **14**, 543 (1998).
 5282. Flow-injection microcolumn online preconcentration for the determination of chromium(VI)
M. Wanhong, C. Ruxiu, L. Zhixin
Wuhan Univ. J. Nat. Sci., **3**, 464 (1998).
 5283. Determination of chemical oxygen demand in water by stopped-reverse flow injection analysis
H. Chen, X. Quan, Y. Fang
Xibei Shifan Daxue Xuebao, Ziran Kexueban, **34**, 107 (1998).
 5284. Automatic and rapid analysis of micro lead in industrial waste water
H. Xu, Q. Liao, J. Xu
Yejin Fenxi, **18**, 6 (1998).
 5285. Modern instrumental analysis of multicomponent precious metal elements
S. Dong
Yejin Fenxi, **18**, 27 (1998).
 5286. Determination of micro bismuth in ores by hydride generation- electrothermal atomic absorption spectrometry combined with flow injection analysis
Y. Yang
Yejin Fenxi, **18**, 49 (1998).
 5287. Flow injection-on line resin separation-spectrophotometry for determination of trace tantalum in the presence of a large quantity of niobium
Y. Yu
Youkuangye, **17**, 194 (1998).
 5288. Optimization of conditions for photometric determination of aluminum in drinking water by flow-injection and continuous-flow analyses
L. N. Moskvina, N. I. Slesar, A. L. Moskvina, A.

- V. Mozzhukhin, V. M. Zakharenko
Zavod. Lab., Diagn. Mater., **64**, 1 (1998).
5289. Flow-injection ionometric determination of cationic surfactants
 I. A. Gur'ev, L. F. Zyuzina, A. A. Shabarin
Zavod. Lab., Diagn. Mater., **64**, 3 (1998).
5290. Flow-injection analysis in atomic-absorption spectrometry
 O. Y. Begak, A. V. Borodin
Zavod. Lab., Diagn. Mater., **64**, 17 (1998).
5291. Determination of trace arsenic in *Spirulina* plaensis tablets by flow injection hydride generation atomic fluorescence spectrometry
 S. Dong
Zhongguo Yaoke Daxue Xuebao, **29**, 473 (1998).
5292. Determination of potassium iodide sugary pills by FIA spectrophotometry
 Y. Ma, D.-Y. Tong, H. Shao
Zhongguo Yiyao Gongye Zazhi, **29**, 464 (1998).
5293. Spectrophotometric determination of phenothiazines in pharmaceuticals by flow-injection analysis
 Yi-Ping Wang, *Zhongguo Yiyao Gongye Zazhi*, **30**, 133 (1999).