FIA Bibliography (IX)

Toshihiko Imato* and Hiroki Ohura**

Kyushu University*

Kyushu Sangyo University**

FIA-related papers appeared since 1984 have been compiled in this FIA Bibliography section. About nine hundred papers were listed in the previous section (references 226-228, 342, 501, 598, 771, 953). All papers in this section are numbered in series and shown with the titles in English. The readers are requested to send us the reprints of their FIA-related papers that have not yet been listed in this section

* Department of Applied Analytical Chemistry, Faculty of Engineering, Kyushu University, Hakozaki, Higashi-ku, Fukuoka, 812, JAPAN

** Department of Industrial Chemistry, Faculty of Engineering, Kyushu Sangyo University, Matsugadai, Higashi-ku, Fukuoka, 813, JAPAN

953. FIA Bibliography (VIII)

954. Recent developments in electrochemical detection for flow injection analysis
    P. T. Tougas, Am. Lab. (Fairfield, Conn.), 19, 38, 40, 44, 46, 48 (1987)

955. Direct nanogram quantitation of nucleic acid and protein with a continuous-flow microcell

956. Continuous solvent extraction in a closed-loop system

957. Implementation of ion-exchanger absorptiometric detection in flow analysis systems

958. Gas-diffusion unit with tubular microporous poly(tetra-
fluoroethylene) membrane for flow-injection determination of carbon dioxide

959. Selective chlorine determination by gas-diffusion flow injection analysis with chemiluminescent detection

960. Simultaneous determination of glucose, fructose, and sucrose in mixtures by amperometric flow injection analysis with immobilized enzyme reactors

961. Voltammetric determination of traces of nickel(II) with a medium exchange flow system and a chemically modified carbon paste electrode containing dimethylglyoxime

962. Peak readout device for transient signals from flow injection analysis

963. Behavior of liposomes in flow injection systems

964. Modeling chemical response surfaces with the Kalman filter

965. Multidetection flow-injection techniques for manipulation of sensitivity. Amplification and dilution methods

966. Versatile automatic stopped-flow system for routine analysis

967. Determination of nickel, cobalt, copper and uranium in water by cathodic stripping chronopotentiometry with continuous flow

968. A simple stopped-flow method with continuous pumping for the spectrophotometric flow-injection determination of
969. Anodic response to oxygen of an electrochemical detector in high-performance liquid chromatography and flow-injection analysis

970. Sandwich techniques in flow injection analysis. Part I. Continuous recalibration techniques for process control

971. Determination of paraquat by flow-injection spectrophotometry

972. Continuous-flow determination of manganese in natural waters containing iron

973. Chemical kinetics with reagent dispersion in single-line flow-injection systems

974. The trace determination of some heavy metals in waters by flow-injection spectrophotometry and potentiometry

975. Fundamental and practical considerations in the design of on-line column preconcentration for flow-injection atomic spectrometric systems

976. Effects of ultrasonic irradiation in flow-injection systems

977. Continuous-flow enzymatic determination of creatinine with improved on-line removal of endogeneous ammonia

978. Deoxygenation of supporting electrolytes in stripping voltammetry by glucose oxidase and catalase in a flow system
979. Simultaneous determination of iron and copper ions by flow-injection analysis with a multichannel photodiode-array detector

980. The application of strongly reducing agents in flow injection analysis. Part 6. Molybdenum(III)

981. Flow potentiometric and constant-current stripping analysis for mercury(II) with gold, platinum and carbon fibre working electrode. Application to the analysis of tap water

982. Micellar-catalyzed reactions for flow-injection systems. Determination of pyridoxal

983. Reagent-injection flow analysis: application to the determination of nanomolar levels of hydrogen peroxide in seawater

984. Unsteady motion in single-line flow-injection systems

985. Automated determination of total arsenic in sea water by flow constant-current stripping analysis with gold fibre electrodes

986. Determination of mercury in air by means of computerized flow constant-current stripping analysis with a gold fibre electrode

987. Continuous flow extraction of indium with bis(2-ethylhexyl) phosphoric acid in 4-methylpentane-2-one coupled on-line with flame atomic absorption spectrometry

988. Flow-injection determination of europium after on-line
reduction

989. Use of microemulsions in flow injection analysis: spectrophotometric determination of copper

990. On-line electrochemical derivatization combined with diode-array detection in flow-injection analysis. Rapid determination of etoposide and teniposide in blood plasma

991. Simultaneous determination of mercury(II), copper(II) and bismuth(III) in urine by flow constant-current stripping analysis with a gold fibre electrode

992. Flow constant-current stripping analysis for antimony(III) and antimony(V) with gold fibre working electrodes. Application to natural waters

993. A flow-through cell for use with an enzyme-modified field effect transistor without polymeric encapsulation and wire bonding

994. Sequential determination of glucose and fructose in foods by flow-injection analysis with immobilized enzymes

995. Determination of naphthols by flow-injection chemiluminescence

996. Application of a stopped-flow time-difference technique to spectrophotometric determination of ultratrace levels of phosphate

997. Flow-injection analysis as a diagnostic technique for development and testing of chemical sensors
998. Optimization criteria for a single bead-string reactor in flow injection analysis based on consecutive kinetic reactions

999. Flow-injection determination of starch and total carbohydrate with an immobilized glucoamylase reactor and pulsed amperometric detection

1000. Flow-injection spectrophotometric determination of silicate, phosphate and arsenate with on-line column separation

1001. Determination of sucrose in sugar-cane juice and malasses by flow-injection spectrophotometry

1002. Automated flow-injection determination of sulfonamides by the Bratton-Marshall reaction for clinical analysis, assays and dissolution studies of formulation

1003. Continuous-flow molecular emission cavity analysis for organic sulphur compounds by alkaline hydrolysis

1004. Photo-cured polymers in ion-selective electrode membranes. Part 3. A potassium electrode for flow injection analysis

1005. Flow-injection determination of secondary amines in non-aqueous solution with fluorescence detection

1006. Direct coupling of intracerebral dialysis with flow injection analysis based on enzymatic/fluorescence detection of lactic acid

1007. Flow-injection determination of sugars with immobilized enzyme reactors and chemiluminescence detection
1008. Bioluminescence flow system for determination of branched-chain L-amino acids in serum and urine

1009. Determination of tetracycline by flow injection with chemiluminescence detection

1010. Flow injection manifold for simultaneous spectrophotometric determination of Bi(II) and Pb(II)

1011. Multifunction valve for flow injection analysis

1012. Determination of urea in undiluted blood samples by flow injection analysis using optosensing

1013. Advances in flow injection analysis with coated tubular ion-selective electrode units

1014. Solvent extraction-spectrophotometric determination of trace orthophosphate in water by stopped-flow time difference analysis technique

1015. Fluorometric flow injection analysis of saliva for nitrite

1016. Simultaneous determination of triglycerides and B-D-Glucose by flow injection analysis using enzyme immobilized open tubular reactors

1017. Flow injection-fluorometric determination of amino acids utilizing enhanced catalytic reaction

1018. Determination of sub-nmol hydrogen peroxide by electrochemiluminescence of luminol in aqueous solution

1019. Continuous micro flow analysis system for monitoring total mercury at sub-ppb level in wastewater

1020. Applicability of chromogenic 14-crown-4 derivative to
extraction-spectrophotometric flow injection analysis for
lithium ion in blood serum
4, 221 (1988)

1021. Rapid, miniaturised procedure for the determination of
glucose based on flow injection principles

1022. Determination of reducing sugars in wine by flow injection
analysis
A. Maquieira, M. D. L. de Castro and M. Valcarcel, Analyst
(London), 112, 1569 (1987)

1023. Catalytic- polarographic determination of vanillylmandelic
acid in urine a continuous de-oxygenation-flow injection
system
T. Kakizaki, K. Hasebe and H. Yoshida, Analyst (London),
112, 1593 (1987)

1024. Chemically immobilised tri-enzyme electrode for the
determination of sucrose using flow injection analysis
J. A. Hamid, G. J. Moody and J. D. R. Thomas, Analyst
(London), 113, 81 (1988)

1025. Membrane design and photocuring encapsulation of flatpack
based ion-sensitive field effect transistors
J. G. Moody, M. J. Slater, R. D. J. Thomas,
Analyst (London), 113, 103 (1988)

1026. Continuous flow determination of low concentrations of
ammonium ions using a gas dialysis concentrator and a gas
electrode detector system
H. Hara, A. Motoike and S. Okazaki, Analyst (London), 113,
113 (1988)

1027. Determination of ionic surfactants by flow injection
pseudo titration
C. J. Dowle, B. G. Cooksey, (the late)J. M. Ottaway and

1028. On-line pre-concentration and determination of lead in
potable water by flow injection atomic absorption
spectrometry
Y. Zhang, P. Riby, A. G. Cox, C. W. Mcleod, A. R. Date and

1029. Spectrophotometric determination of boron in plants using
monosegmented continuous flow analysis
1030. Simple digital counter for use with monosegmented continuous flow analysis and related techniques

1031. Measurement of rainwater pH by optosensing flow injection analysis

1032. Determination of clonazepam by flow injection analysis

1033. Determination of ethanol using flow injection enthalpimetry

1034. Continuous flow solvent extraction system for the determination of trace amounts of uranium in nuclear waste reprocessing solutions

1035. Application of ion-exchanger phase absorptiometry to flow analysis. Determination of trace amounts of chromium(VI) in water

1036. Determination of glucose in clinical samples by flow reversal flow injection analysis

1037. Stopped-flow fluorimetric determination of theophylline in pharmaceutical preparations

1038. Continuous-flow chemiluminescence determination of sulphite and sulphur dioxide

1039. Platinum-dispersed Nafion-modified glassy carbon electrode for the determination of hydrogen peroxide in a flow injection system

1040. Surface enhanced Raman spectrometry on silver hydrosols
studied by flow injection analysis
A. Berthod, J. J. Laserna, D. J. Winefordner, Appl. Spectrosc., 41, 1137 (1987)

1041. Automated kinetic enzyme assay for sodium/potassium ATPase by flow injection analysis

1042. Flow chemiluminescence analysis

1043. Flow injection analysis; its application to inorganic analysis

1044. Determination of total carbonate-carbon in water by flow injection analysis with gas-diffusion unit

1045. Determination of sodium and potassium in silicates by FIA/AAS (flow injection analysis/atomic absorption spectrometry)

1046. Continuous monitoring method of total nitrogen in wastewater using continuous micro flow analysis

1047. Continuous monitoring method of total phosphorus in wastewater using continuous micro flow analysis

1048. Continuous flow determination of total organic carbon in water by membrane separation / chemiluminescence detection

1049. Bio-flow injection analysis system for estimation of fish freshness

1050. Determination of hydrogen peroxide by flow injection analysis based on the cobalt(II)-catalyzed oxidation reaction of stilbazo
1051. Comparative study of solvent systems for liquid carriers and sample solvents in flow injection analysis-atomic absorption spectrometry in measurement of zinc

1052. Assay of purine nucleoside phosphorylase in erythrocytes by flow injection analysis with fluorescence detection

1053. Merzing zone flow injection analysis for nitrite nitrogen and ammonia nitrogen in natural waters

1054. Flow injection study of the potentiometric lithium selectivity of cyclic dioxadiamides containing oxygen and nitrogen atoms

1055. Some applications of enthalpimetric detection in flow injection analysis

1056. Flow injection analysis - A survey of its potential as solution handing and data gathering technique in chemical research and industry

1057. Exploitation of gradient techniques in flow injection analysis

1058. Flow injection extraction in theory and practice

1059. Flow injection calibration techniques

1060. Potential of modified reverse flow injection analysis for continuous monitoring and process control

1061. A simple lecture demonstration of flow injection analysis

1062. Expansion of the dynamic range of FIA-systems for complete batch process monitoring

1063. New injection valves and their application in flow injection analysis
1064. A new microdialysis unit for flow injection analysis

1065. Flow injection analysis with electrochemical detection

1066. Ion sensitive electrodes in flow injection analysis - Improved performance and unique applications

1067. Flow-injection analysis in soil research and plant analysis

1068. Determination of sulphate by a modified FIA method and comparison with the method DIN 38405 Part 5

1069. Investigations on the equivalence of analytical procedures-flow injection analysis and DIN-method in the determination of orthophosphate in surface water

1070. Dual-detection for optimization of gas diffusion in flow injection analysis - Determination of ammonium and sulfide

1071. On-line determination of enzymes in bioprocessing with the emphasis on flow injection(FIA) and continuous sampling

1072. Determination of esterase activity in biological samples

1073. Determination of phenol in water by flow injection analysis

1074. Determination of hydroxyproline in meat products by flow injection analysis

1075. Chemically modified electrodes as biosensors: amperometric glucose sensor for flow injection analysis

1076. Determination of alkylating antitumor drugs by flow injection analysis
Flow injection analysis of hydrogen peroxide, sulfite, formaldehyde and hydroxymethanesulfonic acid in precipitation samples
P. M. Keuken, P. F. Bakker, A. W. Lingerak, J. Slania,

Flow phenomena in flow injection analysis and flow electrolysis

Flow injection analysis of ultra-trace free chlorine in water by fluorometric detection

Flow injection analysis study of effect of certain additives on the response and selective of liquid membrane ion-selective electrodes

Flow-injection analysis system for simultaneous determination of acetylcholine and choline by use of immobilized enzyme reactors and enzyme electrode

The application of a manually operated sample injector employing a pair of six-way valve system

Enzymic determination of total cholesterol in serum by flow injection analysis
M. J. Fernandez-Romero, D. M. Luque de Castro, M. Valcarcel,

Enzymic determination of ethanol in saliva by flow injection analysis
P. Linares, J. Ruz, D. M. Luque de Castro, M. Valcarcel,

Simultaneous enzymatic determination of methanol and ethanol by flow injection analysis
A. Maquieira, D. M. Luque de Castro, M. Valcarcel,

Flow injection determination of ethanol in whole blood using
immobilized enzymes

1087. A sample and versatile photodetector system for peak width measurement-based flow injection analysis

1088. Diode-array detectors in flow-injection analysis. Mixture resolution by multi-wavelength analysis

1089. End effects in flow-analysis and process systems
S. D. Kolev and E. Pungor, Talanta, 34, 1009 (1987)

1090. Determination of water in organic solvents by flow-injection analysis with Karl Fischer reagent and a biamperometric detection system
C. Liang, P. Vacha and Willem E. van der Linden, Talanta, 35, 59 (1988)

1091. Optical-fibre sensing of fluoride ions in a flow-stream

1092. Determination of the sum of rare-earth elements by flow-injection analysis with Arsenazo III, 4-(2-pyridylazo) resorcinol, Chrome Azurol S and 5-bromo-2-(2-pyridylazo)-5-diethylaminophenol spectrophotometric reagents

1093. Dialysis - analysis by flow injection: an association with a promising future

1094. Application and prospects of flow injection analysis of rocks and minerals
Y. Lu, Pan, Zhonghua, Yankuang Ceshi, 6, 151 (in Chinese)

1095. Flow-injection analysis and its uses

1096. Flow-injection analysis. Spectrophotometric determination of sulfate ions in atmospheric precipitations

1097. Flow-injection analysis. Lead-selective electrode detector
with a membrane based on macrocyclic reagents

1098. Determination of \( \alpha \)-amylase by flow-injection analysis
(in German)

Anions. A critical review