FIA Bibliography (VIII)

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FIA-related papers appeared since 1984 have been compiled in this FIA Bibliography section. About seven hundred papers were listed in the previous section (references 226-228, 342, 501, 598, 771). 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.

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771. FIA Bibliography (VII)

772. Automated determination of the total polyphenol index in white wines by flow injection
J. Buitrago, R. Cela and J. A. Perez-Bustamante, Afnidad, 43, 530 (1986) (in Spanish)

773. Microsequence analysis of peptides and proteins. VI. A continuous flow reactor for sample concentration and sequence analysis

774. A flow microcalorimetric method for enzyme activity measurements: application to dihydrofolate reductase

775. Determination of picomolar levels of cobalt in seawater by flow injection analysis with chemiluminescence detection

- 146 -
776. Individual and simultaneous determination of ethanol and acetaldehyde in wines by flow injection analysis and immobilized enzymes

777. Fast particle separation by flow/steric field-flow fractionation

778. Alternate washing method for flow-through determination of ammonium ion using an ammonia gas electrode

779. Immobilized enzyme kinetic study of D-glucose mutarotation by flow injection analysis

780. Dual porous electrode membrane cell for detection of nonelectroactive species in flowing streams

781. Continuous monitoring of ambient ammonia with a membrane electrode-based detector

782. Membrane gas-liquid separator for flow injection hydride-generation atomic absorption spectrometry

783. Reversibly immobilized glucose oxidase in the amperometric flow-injection determination of glucose

784. Sequential determination of both acids and bases by optosensing flow injection analysis using a single-line manifold

785. Flow injection analysis for electrochemical stripping. Comparison of different techniques

786. Flow injection amperometric determination of clotiazepam at
a glassy carbon electrode

787. Computer-assisted optimization of an immobilized-enzyme flow-injection system for the determination of glucose

788. Pulsed coulometric detection of carbohydrates at a constant detection potential at gold electrodes in alkaline media

789. Design and evaluation of a sandwich phase separator for online liquid-liquid extraction

790. Experimental studies of the effect of temperature on dispersion in a flow injection system

791. Simultaneous determination of multiple components in flow-injection systems by square-wave amperometry

792. Indirect determination of iron in a flow-injection system with amperometric detection

793. Flow-injection determination of ammonia in Kjeldahl digests by gas diffusion and conductometry

794. Carbon fiber electrodes in flow potentiometric stripping analysis

795. Automated determination of cadmium and lead in whole blood by computerized flow potentiometric stripping with carbon fiber electrodes

796. Formation of two reaction zones in flow-injection systems for kinetic determinations of cobalt and nickel

- 148 -

797. Indirect atomic absorption spectrometric determination of mixtures of chloride and iodide by precipitation in an unsegmented flow system

798. Recording the real sample distribution and concentration/time functions in flow injection analysis

799. Cyclic flow-injection determination of copper with hexadecyltrimethylammonium bromide micelle-enhanced, fluorescein-sensitized chemiluminescence detection

800. Fluorimetric determination of nitrate in natural waters with 3-amino-1,5-naphthalenedisulphonic acid in a flow-injection system

801. A random-walk simulation of flow-injection systems with merging zones

802. Numerical solution of hydraulic models based on the axially-dispersed plug flow model by laplace transforms

803. Flow-injection determination of nitrite and nitrate with biamperometric detection at two platinum wire electrodes

806. Amperometric detection of cationic neurotransmitters at nafion-coated glassy carbon electrodes in flow streams

806. Application of ion-selective electrodes in environmental analysis. Determination of acid and fluoride concentrations in rain-water with a flow-injection system

807. The determination of arsenic and selenium in coal by continuous flow hydride-generation atomic absorption
spectrometry and atomic fluorescence spectrometry

808. Extraction rate in liquid-liquid segmented flow injection analysis

809. Flow-injection single-point titration of acids with biamperometric detection at polarized platinum electrodes

810. Chemiluminescence determination of iron(II) and titanium(III) by flow injection analysis based on reactions with and without luminol

811. A flow cell with flexible deposition efficiency for a dual-detection system based on potentiometric stripping analysis and atomic absorption spectrometry

812. Flow injection method for the determination of trace amounts of chloride by using differences in electric conductivity

813. The application of the Ruzicka-type iodide-selective electrode the determination of cyanide in alcoholic drinks

814. Use of acetohydroxamic acid in the direct spectrophotometric determination of iron(III) and iron(II) by flow injection analysis

815. Assay for guanase in blood serum by flow injection analysis with fluorescence detection

816. Flow-injection analysis with a coated tubular solid-state copper(II)-selective electrode

- 150 -
817. Swept-potential oxidative detection in flow streams
D. S. Owens, C. M. Jonson, P. E. Sturrock and A. Jaramillo,

818. Determination of selenium by means of computerized flow
constant-current stripping at carbon fiber electrodes.
Application to human whole blood and milk powder

819. Determination of uranium(VI) in seawater by means of
automated flow constant-current cathodic stripping at carbon
fiber electrodes
(1987)

820. Flow-injection determination of phosphate species in
detergents with a calcium ion-selective electrodes

821. Temperature effects on amperometric detection at nickel
oxide electrodes in flow-injection systems
(1987)

822. Spectrophotometric determination of total cyanide in waste
in a flow-injection system with gas-diffusion separation and
preconcentration

823. Determination of acetaldehyde by flow injection analysis
with soluble or immobilized aldehyde dehydrogenase
(1987)

824. Flow-injection amplification for the spectrophotometric
determination of iodide
(1987)

825. Confluent streams in flow injection analysis
E. A. G. Zagatto, B. F. Reis, M. Martinelli, F. J. Krug,
(1987)

826. Comparison of immobilized enzyme reactors for flow-injection
systems
198, 165 (1987)

827. Reductive stripping chronopotentiometry for selenium in
biological materials with a flow system

828. Detection of oxidase generated hydrogen peroxide by a solid state peroxiaxalate chemiluminescence detector

829. An amperometric glucose electrode based on adsorbed glucose oxidase on palladium/gold modified graphite

830. Quantitation of toremifene and its major metabolites in human plasma by high-performance liquid chromatography following fluorescent activation

831. Determination of mercury in geological materials by continuous-flow, cold-vapor, atomic absorption spectrophotometry

832. Continuous flow determination of blood alcohol using biamperometric monitoring of enzymatic reaction

833. Simultaneous optimization of variables in FIA systems by means of the simplex method

834. Bioluminescent flow sensors: L-alanine determination in serum and urine

835. Indirect assays with immobilized firefly luciferase based on flow injection analysis

836. Analytical applications of microemulsions

837. Enzyme electrode systems for glucose determination
838. Spectrophotometric flow injection analysis of silicates for manganese

839. Spectrophotometric determination of anionic surfactants in river water with cationic azo dye by solvent extraction-flow injection analysis

840. "One-shot" flow injection analysis with immobilized enzyme columns: clinical applications

841. Micro-injection system for flame atomic absorption spectrometry using carrier solution

842. Micropreparative sedimentation field-flow fractionation and quasi-elastic light scattering spectrometry of narrow particle size distribution polystyrene latexes

843. Indirect amperometric detection of aliphatic amine in flow system

844. Flow injection analysis of feed and premix for monensin and salinomycin

845. Potentiometric flow injection analysis of glucose using hexacyanoferrate(III)-hexacyanoferrate(II) potential buffer

846. Data processing for flow injection analysis using personal computer of MSX standard system

847. Spectrophotometric determination of magnesium (II) by flow-injection analysis using succinimide dioxime
R. Forteza, V. Cerda, S. Maspoch and M. Blanco, Analusis, 15, 136 (1987)
848. Simultaneous determination of ascorbic acid and sulfite in soft drinks by flow injection analysis
F. Lazaro, de C. M. D. Luque and M. Valcarcel, Analusis, 15, 183 (1987)
849. Spectrophotometric determination of phosphorus as orthophosphate based on solvent extraction of the ion associate of molybdophosphate with Malachite Green using flow injection
851. Analytical information from doublet peaks in flow injection analysis. Part 2 Basic equation and applications to flow injection titrations
852. Flow injection procedures for the determination of ethanol and alcohol dehydrogenase using coimmobilized bacterial luciferase and oxidoreductase
853. Flow injection determination of inorganic bromide in soils with a coated tubular solid-state bromide-selective electrode
854. Application of a photodiode array detector to multi-component determination by flow injection analysis
855. Determination of nitrazepam and flunitrazepam by flow injection analysis using a voltammetric detector
856. Flow injection system for kinetic determinations based on the use of two serial injection valves


865. Pre-concentration and determination of trace amounts of lead in water by continuous precipitation in an unsegmented-flow atomic absorption spectrometric system P. M. Jimenez, M. Gallego and M. Valcarcel, Analyst (London), 112, 1233 (1987)

866. Spectrophotometric determination of trace amounts of nitrite based on the nitrosation reaction with N,N-Bis(2-hydroxypropyl) aniline and its application to flow injection analysis S. Motomizu, S. C. Rui and M. Oshima and K. Toei, Analyst (London), 112, 1261 (1987)

867. Flow-through units for solid-state, liquid and PVC matrix membrane ion-selective electrodes to minimise streaming
potentials

868. Determination of glucose using flow injection with a carbon fiber based enzyme reactor

869. Determination of aluminum in serum by a flow injection system with perconcentration on Dowex A-1 resin and flame atomic absorption spectrophotometry

870. Quantitation of metals in liquid samples by computer intelligent flow injection inductively coupled plasma emission spectrometry

871. Flow injection analysis of pharmaceutical compounds. III. Quantification of furosemide with spectrophotometric detection

872. Determination of manganese by malachite green-periodate catalytic reaction with concentrated reagents and its application to flow-injection analysis

873. Use of a bioreactor consisting of sequentially aligned L-glutamate dehydrogenase and L-glutamate oxidase for the determination of ammonia by chemiluminescence

874. Application of flow injection analysis to water quality monitoring system
Y. Kondo, H. Shimomura and M. Katoh, Boshoku Gijutsu, 36, 234 (1987)

875. Application of FlA (flow injection analysis) method to water quality analysis

876. Flow injection analysis coupled with solvent extraction
877. Cyclic FIA for determination of free cyanide

878. Determination of ammoniacal nitrogen in water by FIA with a
gas-diffusion unit
T. Kuwaki, M. Akiba, M. Oshima and S. Motomizu, Bunseki

879. Determination of iron in nickel-iron alloy thin films by FIA
F. Shirato, Y. Okajima, T Kuroishi and Y. Takata, Bunseki

880. Spectrophotometric determination of hydrogen peroxide by FIA
with Bindschedler’s green leuco base as color reagent
M. Akiba, S. Motomizu and K. Toei, Bunseki Kagaku, 36, 561

881. Simple and rapid determination of L-ascorbic acid by FIA
with spectrophotometric detection
T. Yamane and T. Ogawa, Bunseki Kagaku, 36, 625 (1987)
(in Japanese)

882. On-line concentration and flow analysis of trace amounts of
bismuth with anion-exchange method and ion-exchanger
absorptiometry

883. Inductively coupled plasma atomic emission spectrometric
determination of copper by suction-flow on-line liquid-
liquid extraction of its macrocyclic dioxotetramine chelate

884. Application of the flow injection analysis based on
iodometry to the determination of ozone decomposition rate

885. Factors influencing the flow injection analysis
Acad. Sin., 34, 1 (1987)

886. Quinone determination in some mass-produced pharmaceuticals
by flow injection analysis (FIA) with fluorimetric detection
M. Polasek, R. Karlichek and P. Solich, Cesk. Farm., 36, 201

887. Simultaneous determination of phosphate, silicate, and
arsenate by on-line column flow injection analysis

888. Dispersion in flow-injection analysis
889. Flow injection analysis of silicic acid in geothermal water

890. Determination of total cholesterol in serum by flow
injection analysis with immobilized enzymes
J. M. Fernandez-Romero, de C. M. D. Luque de Castro and M.

891. Fast fluorometric flow injection analysis of formaldehyde in
atmospheric water
(1987)

892. Determination of trace amounts of selenium in environmental
samples by hydride generation atomic absorption spectrometry
combined with flow injection analysis
X. Wang and Z. Fang, Fenxi Huaxue, 14, 738 (1986) (in
Chinese)

893. Determination of chromium(VI) in industrial wastewater by
flow injection analysis

894. Microcomputer-controlled flow injection analysis system and
turbidimetric determination of sulfate in natural waters
(in Chinese)

895. Rapid on-line enrichment for AAS (atomic absorption
spectrometry)
G. Schulze and O. Elsholz, Fortschr. Atomspektrom.
Spurenanal., 2, 261 (1986) (in German)

896. On-line sulphate monitoring by reversed flow injection
analysis and alternating reagent injection
J. F. van Staden, Fresenius' Z. Anal. Chem., 326, 754
(1987)

897. Tensammetry with the bubble-electrode in a flow-through
system
F. Scholz, M. Kupfer, J. Seelisch, G. Glowacz and G.

898. Universal flow-cell for electroanalytical measurements
W. Frenzel and P. Bratter, Fresenius' Z. Anal. Chem., 327, 10
(1987)

899. Digestion-free determination of trace metals (Zn, Cd, Pb, Cu)
in beverages (wine) by inverse voltammetry in flow-through
cells (in German)
900. Voltammetric-enzymatic determination of ethanol in whole blood by flow injection analysis
A. Fernandez, M. D. Luque de Castro and M. Valcarcel,

901. Effect of addition of main ion to carrier solution in potentiometric flow-injection measurements with solid state ion-selective electrodes
L. Ilcheva, M. Trojanowicz and T. Kra. vel krawczyk,

902. On-line quality control in concentrated hydrochloric acid production plants. Flow injection determination of HCl content in concentrated hydrochloric acid by automated presoak dilution and a coated tubular solid-state chloride-selective electrode

903. A modular fluorimetric stopped-flow system for use in clinical chemistry
M. C. Gutierrez, A. Gomez-Hens and D. Perez-Bendito,

904. Flow injection potentiometry for low level measurements in the presence of sensed ion in the carrier

905. Cold vapor atomic absorption determination of mercury in soil and plants using flow injection gas diffusion system

906. A flow injection analysis of iron in marine sediments
Y. Yuan, Haiyang Yu Huzhao, 18, 156 (1987) Chinese

907. Separation of heavy metals in polluted soils by sequential extraction and ICP spectrometry

908. Flow injection analysis of silicate rocks. Part (1). FLA-AAS determination of calcium in diatomite

909. Automated free fatty acid determination using flow injection analysis solvent extractions
910. Indirect atomic absorption determination of chloride by continuous precipitation of silver chloride in a flow injection system

911. Flow injection techniques in inductively coupled plasma spectrometry. Plenary lecture

912. Trace enrichment and determination of sulfate by flow injection inductively coupled plasma atomic emission spectrometry

913. Flow injection ion-exchange preconcentration for the determination of aluminum by atomic absorption spectrometry and inductively coupled plasma atomic emission spectrometry

914. Kinetic-based determinations in continuous-flow analysis

915. Amperometric determination of nitrogen dioxide in air samples by flow injection and reaction at a gas-liquid interface

916. A kinetic method for the spectrophotometric determination of cobalt using flow injection analysis

917. Catalytic photometric determination of selenium by flow injection analysis

918. Continuous separation techniques in flow injection analysis. A review
M. Valcarcel and de C. M. D. Luque, J. Chromatogr., 393, 3 (1987)

919. Voltammetric determination of Cyadox using adsorptive accumulation in a flow-through system
920. Determination of glucose by flow injection analysis with merging zone method

921. Flow injection analysis of ultra-trace sulfide in water by membrane separation-chemiluminescence detection

922. Separation and simultaneous determination of phosphate, arsenate and silicate with on-line column flow injection analysis

923. Study of sample solvent/carrier combination for flow injection analysis-atomic absorption spectrometry

924. Automated flow-injection mercurothiocyanate determination of chloride salts of drugs for routine assays: content uniformity and dissolution studies

925. Construction of simple ion-chromatographic apparatus and its application in model experiment of ion chromatography and flow injection-analysis

926. Flow injection analysis of cyanide in waste water with gas diffusion separation

927. Routine analysis of acetone in milk by flow injection analysis

928. Differential kinetic determination of furfural and vanillin by flow injection analysis

929. Individual and simultaneous fluorometric determination of glycine and cysteine by flow injection analysis
930. Fundamentals and application of flow injection analysis.  
   II. Application of the method  
   M. Koshino, Nippon Dojo Hiryogaku Zasshi, 58, 247 (1987)  
   (in Japanese)  

931. Advances in analytical methods based on atomic absorption  
   spectrometry in the Geochemistry Laboratories of the  
   Geological Survey of Canada  
   G. E. M. Hall, K. N. De Silva, J. C. Pelchat and J. E.  

932. Immunoassay by HPLC and flow injection analysis with  
   electrochemical detection  
   C. E. Lunte, W. R. Heineman, H. B. Halsall, K. R. Wehmeyer,  
   M. J. Doy and D. S. Wright, Proc. - Electrochem. Soc., 86-  
   14, 129 (1986)  

933. Flow injection analysis: an investigation of N-phenylbenzo- 
   hydroxamic acid  
   Sci., 95, 151 (1986)  

934. A constant-flow gravity liquid-feed system for use in flow  
   injection analysis  
   J. C. De Andrade, M. Ferreira and N. Baccan, Quim. Nova, 9,  
   123 (1986) (in Portuguese)  

935. Application of flow injection analysis  

936. Comparison of four wet digestion procedures for the  
   determination of selenium in eggs by hydride generation-flow  
   injection atomic absorption spectrometry  

937. Flow injection analysis: a novel tool for plasma  
   spectroscopy  
   42B, 57 (1987)  

938. Use of a robot and flow injection for automated sample  
   preparation and analysis of used oils by ICP emission  
   spectrometry  
   M. P. Granchi, J. A. Biggerstaff, L. J. Hilliard and P.  

939. Characterization of a nebulizer interface for flame atomic  
   absorption spectroscopy  
   883, (1987)  

940. Application of flow-injection analysis for the determination
of chloride extracted from corroded iron artifacts

941. Silicone rubber wall-jet electrode in hydrodynamic voltammetry. (Comparison of various carbon electrodes)

942. Automated determination of lead in urine by means of computerized flow potentiometric stripping analysis with a carbon-fiber electrode

943. Determination of calcium and magnesium in limestone and dolomite by enthalpicmetric flow-injection analysis
W. A. de Oliveira and A. S. Mendes, Talanta, 34, 543 (1987)

944. Spectrophotometric determination of bromide (and iodide) in a flow system after oxidation by peroxodisulphate

945. Quantitative analysis by surface-enhanced Raman spectrometry on silver hydrosols in a flow-injection system
J. J. Laserna, A. Berthod and J. D. Winefordner, Talanta, 34, 745 (1987)

946. Studies of two-phase equilibria by liquid-liquid segmented flow extraction of dithiocarbamic acid into various solvents

947. Determination of viscosity with an open-closed flow-injection system

948. Continuous flow determination of chloride in the non-linear response region with a tubular chloride ion-selective electrode
H. Hara, Y. Wakizaka and S. Okazaki, Talanta, 34, 921 (1987)

949. Application of the removal of dissolved oxygen by silicone membrane to a flow amperometric detector

950. Miniaturization in flow injection analysis. Practical limitations from a theoretical point of view
951. Flow injection analysis: beyond the laboratory curiosity stage

952. Flame-atomic absorption spectrometry with flow injection sample introduction for heavy trace metal determination in biological materials