

FIA Bibliography (21)

Koichi Oguma and Hailong Wu  
Chiba University

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

2693. FIA Bibliography (20)  
A. Yuchi, *J. Flow Injection Anal.*, 10, 295 (1993).
2694. Flow-injection immunosensor for theophylline  
D. A. Palmer, T. E. Edmonds, and N. J. Seare, *Anal. Lett.*, 26, 1425 (1993).
2695. Micromachined detectors for an enzyme-based FIA  
M. Suda, T. Sakuhara, Y. Murakami, and I. Karube, *Appl. Biochem. Biotechnol.*, 41, 11 (1993).
2696. Chemiluminometric L-lysine determination with immobilized lysine oxidase by flow-injection analysis  
F. Preuschoff, U. Spohn, E. Weber, K. Unverhau, and K.-H. Mohr, *Anal. Chim. Acta*, 280, 185 (1993).
2697. Flow injection wine analysis: a critical review and future trends  
A. M. R. Ferreira, J. L. F. C. Lima, T. I. M. S. Lopes, and A. O. S. S. Rangel, *J. Int. Sci. Vigne Vin*, 27, 67 (1993).
2698. Spectrophotometric determination of lead in tap water with 5,10,15,20-tetra(4-N-sulfoethylpyridinium)porphyrin using merging zones flow injection  
J. A. Schneider and J. F. Hornig, *Analyst*, 118, 933 (1993).
2699. Simultaneous flow injection analysis for two components with a double on-line dialyzer. Determination of calcium and chloride in industrial effluent water  
J. F. Van Staden, *Fresenius' J. Anal. Chem.*, 346, 723 (1993).
2700. Simple and rapid flow-injection spectrophotometric determination of carbaryl after liquid-liquid extraction  
K. D. Khalaf, A. Morales-Rubio, and M. de la Guardia, *Anal. Chim. Acta*, 280, 231 (1993).
2701. Indirect flow-injection analysis of ascorbic acid by photochemical reduction of methylene blue

- L. E. Leon and J. Catapano, *Anal. Lett.*, 26, 1741 (1993).
2702. Flow analyses of metal ions by using color chelate reagents  
H. Wada and C. Ohtsuka, *Jasco Rep.*, 35, 26 (1993).
2703. FIA potentiometric and solvent extraction studies of alkali  
metal and alkaline earth cation complexation by  
bis(tert-butylbenzo)-21-crown-7  
A. S. Attiyat, G. D. Christian, J. A. McDonough, B.  
Strzelbicka, M. J. Goo, Z. Y. Yu, and R. A. Bartsch, *Anal.  
Lett.*, 26, 1413 (1993).
2704. Preliminary characterization of inductively coupled plasma  
mass spectrometry with flow injection into a gaseous (air)  
carrier  
D. Beauchemin, *Analyst*, 118, 815 (1993).
2705. Integration of enzyme-immobilized column with electrochemical  
flow cell using micromachining techniques for a glucose  
detection system  
Y. Murakami, T. Takeuchi, K. Yokoyama, E. Tamiya, I. Karube,  
and M. Suda, *Anal. Chem.*, 65, 2731 (1993).
2706. Optimal design of an enzymic reactor for flow injection  
analysis  
M. Poch, J. L. Montesinos, M. del Valle, J. Alonso, A.  
Araujo, and J. L. F. C. Lima, *Biotechnol. Prog.*, 9, 473  
(1993).
2707. Flow injection determination of tyramine and related  
compounds by using immobilized tyramine oxidase column and  
its application to discrimination of decomposition of beef  
L. Y. Gao, Y. Osajima, and K. Matsumoto, *Gakugei Zasshi -  
Kyushu Daigaku Nogakubu*, 47, 181 (1993).
2708. Enzymic flow injection determination of lactose in milk with  
on-line dialysis  
R. Puchades, A. Maquieira, and L. Torro, *Analyst*, 118, 855  
(1993).
2709. Automated determination of peroxides in olive oil by flow  
injection  
J. A. Garcia-Mesa, M. D. Luque de Castro, and M. Valcarcel,  
*Analyst*, 118, 891 (1993).
2710. Characterization of immobilized *Escherichia coli* alkaline  
phosphatase reactors in flow injection analysis  
Y. Shan, I. D. McKelvie, and B. T. Hart, *Anal. Chem.*, 65,  
3053 (1993).

2711. Rapid microwave assisted hydrolysis of formetanate  
K. Dema-Khalaf, A. Morales-Rubio, and M. de la Guardia, Anal.  
Chim. Acta, 281, 249 (1993).
2712. Spectrophotometric flow injection determination of  
formetanate and m-aminophenol in water after reaction with  
p-aminophenol  
K. D. Khalaf, J. Sancenon, and M. de la Guardia, Talanta, 40,  
1173 (1993).
2713. Determination of arsenic in the presence of high copper  
concentrations using flow-injection analysis-hydride atomic  
absorption spectrometry  
C. Schmidt and M. Bahadir, Fresenius' J. Anal. Chem., 346,  
683 (1993).
2714. Selective flow-injection determination of methanol in the  
presence of ethanol based on a multi-enzyme system with  
chemiluminescence detection  
Y. Sekine, M. Suzuki, T. Takeuchi, E. Tamiya, and I. Karube,  
Anal. Chim. Acta, 280, 179 (1993).
2715. Amperometric detection of amino acids in a flow-injection  
system with a nickel(II)-modified electrode with an  
Eastman-AQ polymer film  
A. Liu and E. Wang, Anal. Chim. Acta, 280, 223 (1993).
2716. Development of FIA for sensitive and selective determination  
of lactone using a chemiluminescent reaction between acetone  
and lactone in carbon dioxide supercritical fluid  
M. Ishii and H. Uchida, Nippon Kagaku Kaishi, 845 (1993).
2717. Spectrophotometric determination of a mixture of weak acids  
using multivariate calibration and flow injection analysis  
titration  
R. J. Poppi and C. Pasquini, Chemom. Intell. Lab. Syst., 19,  
243 (1993).
2718. Determination of inorganic arsenic and its organic  
metabolites in urine by flow-injection hydride generation  
atomic absorption spectrometry  
C. P. Hanna, J. F. Tyson, and S. McIntosh, Clin. Chem., 39,  
1662 (1993).
2719. Determination of serum alkaline phosphatase activity by  
electrochemical detection with flow injection analysis  
S. D. Jackson, H. B. Halsall, A. J. Pesce, and W. R.  
Heineman, Fresenius' J. Anal. Chem., 346, 859 (1993).
2720. An improved FIA biosensor for the determination of aspartame

- in dietary food products  
K. B. Male, J. H. T. Luong, B. Gibbs, and Y. Konishi, Appl. Biochem. Biotechnol., 38, 189 (1993).
2721. Flow injection analysis of glucose by fiber optic chemiluminescence measurement  
A. A. Suleiman, R. L. Villarta, and G. G. Guilbault, Anal. Lett., 26, 1493 (1993).
2722. An experiment using time-based detection in flow injection analysis  
M. K. Carroll and J. F. Tyson, J. Chem. Educ., 70, A210 (1993).
2723. Basic study on steady-state flow analysis  
C. Zhang, Y. Narusawa, and S. Kitahama, J. Flow Injection Anal., 10, 79 (1993).
2724. Highly sensitive flow injection analysis  
K. Toei, S. Hiraishi, T. Nakagawa, and M. Zenki, J. Flow Injection Anal., 10, 94 (1993).
2725. Determination of trace cyanide ion in environmental samples by flow injection analysis with chemiluminescence detection at low temperature  
E. Yamada, C. Hamamura, K. Fukuda, and M. Sato, J. Flow Injection Anal., 10, 48 (1993).
2726. Catalytic determination of iodide using flow system based on sequential delivery of air-sandwiched solutions into a micro cell  
S. Kawakubo, L. Bing, M. Iwatsuki, and T. Fukasawa, J. Flow Injection Anal., 10, 86 (1993).
2727. Application of an automated quasi-continuous immuno flow injection system to the analysis of pesticide residues in environmental water samples  
C. Wittmann and R. D. Schmid, Sens. Actuators, B, 15, 119 (1993).
2728. Flow-injection analysis of formaldehyde leached from denture-base acrylic resins  
H. Tsuchiya, Y. Hoshino, H. Kato, and N. Takagi, J. Dent., 21, 240 (1993).
2729. Flow injection spectrophotometric method for the determination of morphine  
W. Liu, H. Chen, and C. Wang, Fenxi Huaxue, 21, 822 (1993).
2730. Inductively coupled plasma-mass spectrometric (ICP-MS)

- multielement analyses of solid and liquid samples by laser vaporization and flow-injection analysis  
M. K. Volkmer, *Stahl Eisen*, 113, 107 (1993).
2731. From flow injection to sequential injection: comparison of methodologies and selection of liquid drives  
A. Ivaska and J. Ruzicka, *Analyst*, 118, 885 (1993).
2732. Flow-injection determination of iron(II)  
I. A. Gur'ev, O.P. Lazareva, and L. F. Zyuzina, *Zh. Anal. Khim.*, 48, 509 (1993).
2733. Flow injection spectrophotometry for the determination of cadmium using meso-tetrakis[4-(trimethylammonium) phenyl]porphine  
H. Shen, L. Liu, and J. Yang, *Yejin Fenxi*, 13, 8 (1993).
2734. Flow-injection activation analysis  
J. Tolgyessy and M. Harangozo, *J. Radioanal. Nucl. Chem.*, 176, 113 (1993).
2735. Analysis of high-purity reagents using automatic on-line column preconcentration-separation and electrothermal atomic absorption spectrometry  
B. Welz, M. Sperling, and X. Sun, *Fresenius' J. Anal. Chem.*, 346, 550 (1993).
2736. Continuous-flow and flow-injection halogen generation for chloride, bromide and iodide determinations by microwave induced plasma atomic emission spectroscopy  
F. Camuna, J. E. Sanchez Uria, and A. Sanz Medel, *Spectrochim. Acta, part B*, 48B, 1115 (1993).
2737. Achievement of the analytically ideal steady-state response at a microelectrode-based scanning electrochemical detector under flow injection analysis and normal-phase chromatography conditions  
R. J. Tait, P. C. Bury, B. C. Finnin, B. L. Reed, and A. M. Bond, *Anal. Chem.*, 65, 3252 (1993).
2738. Neural networks for the evaluation of signals from flow injection analysis  
A. Wassmann and B. Hitzmann, *Chem.-Ing.-Tech.*, 65, 947 (1993).
2739. Electrochemical filter/biosensor flow injection analysis system for the direct analysis of practical samples  
Y. Okawa, H. Kobayashi, and T. Ohno, *Sens. Actuators, B*, 14, 541 (1993).

2740. Catalytic determination of copper in blood plasma using flow-injection biamperometry  
J. Michalowski and M. Trojanowicz, *Anal. Chim. Acta*, 281, 299 (1993).
2741. Specific flow injection sandwich binding assay for IgG using protein A and a fusion protein  
W. Brandes, H. E. Maschke, and T. Scheper, *Anal. Chem.*, 65, 3368 (1993).
2742. Flow-injection determination of tylosin in fermentation broth  
F. L. Neely, *Anal. Chim. Acta*, 281, 243 (1993).
2743. Determination of aluminum in slurry and liquid phase of juices by flow injection analysis graphite furnace atomic absorption spectrometry  
M. A. Z. Arruda, M. Gallego, and M. Valcarcel, *Anal. Chem.*, 65, 3331 (1993).
2744. High speed potentiometric analyzer equipped with an ion-selective electrode detector  
H. Hara, N. Ishio, and K. Takahashi, *Anal. Chim. Acta*, 281, 45 (1993).
2745. Flow-injection spectrophotometric determination of lysine in feed samples  
J. Saurina and S. Hernandez-Cassou, *Anal. Chim. Acta*, 281, 593 (1993).
2746. Determination of L-malate in wine by flow-injection with co-immobilized malate dehydrogenase/oxaloacetate decarboxylase  
N. Kiba, M. Oguchi, and M. Furusawa, *Talanta*, 40, 1163 (1993).
2747. Coupled robot-flow injection analysis system for fully automated determination of total polyphenols in olive oil  
J. A. Garcia-Mesa, M. D. Luque de Castro, and M. Valcarcel, *Anal. Chem.*, 65, 3540 (1993).
2748. A flow injection system for the determination of starch in starch from different origins with immobilized  $\alpha$ -amylase and amyloglucosidase reactors  
J. Emneus, G. Nilsson, and L. Gorton, *Starch/Staerke*, 45, 264 (1993).
2749. Process optimization via rapid analysis  
G. Shulze, B. Eichner, M. Rajaei-Marbini, and S. Szukal, *Chem. Ind.*, 116, 48 (1993).

2750. Determination of ammonium ion in rainwater and fogwater by flow injection analysis with chemiluminescence detection  
X. Hu, N. Takenaka, S. Takasuna, M. Kitano, H. Bandow, Y. Maeda, and M. Hattori, *Anal. Chem.*, 65, 3489 (1993).
2751. Speciation of mercury in natural waters by capillary gas chromatography with a microwave-induced plasma emission detector following preconcentration using a dithiocarbamate resin microcolumn installed in a closed flow injection system  
H. Emteborg, D. C. Baxter, and W. Frech, *Analyst*, 118, 1007 (1993).
2752. A flow-injection approach to the continuous monitoring of residual coagulants (aluminum and iron) in potable and treated waters  
R. L. Benson and P. J. Worsfold, *Sci. Total Environ.*, 135, 17 (1993).
2753. Flow injection systems for directly coupling on-line digestions with analytical atomic spectrometry. Part 2. Reactions in a microwave field  
T. J. Gluodenis, Jr. and J. F. Tyson, *J. Anal. At. Spectrom.*, 8, 697 (1993).
2754. The use of a pH gradient in flow-injection analysis in differentiating zinc and cadmium in a binary mixture  
N. Porter, B. T. Hart, R. Morrison, and I. C. Hamilton, *Anal. Chim. Acta*, 281, 229 (1993).
2755. Flow-injection spectrophotometric determination of molybdenum(VI) by extraction with quinolin-8-ol  
D. T. Burns, M. Harriott, and P. Pornsinlapatip, *Anal. Chim. Acta*, 281, 607 (1993).
2756. Indirect determination of tetrahydroborate (BH<sub>4</sub><sup>-</sup>) by gas-diffusion flow-injection analysis with amperometric detection  
S. D. Nikolic, E. B. Milosavljevic, J. L. Hendrix, and J. H. Nelson, *Talanta*, 40, 1283 (1993).
2757. Flow injection spectrophotometric determination of cobalt with 2-(5-bromo-2-pyridylazo)-5-(N-propyl-N-sulfopropyl-amino)aniline  
K. S. Woo, K. I. Yong, H. H. Seok, and L. S. Seok, *Anal. Sci. Technol.*, 6, 57 (1993).
2758. Ferric thiocyanate reduction by sodium thiosulfate applied to the determination of copper by flow-injection analysis  
G. K. Budnikov, I. M. Fitsev, and A. R. Garifzyanov, *Zh. Anal. Khim.*, 48, 876 (1993).

2759. Detection limits versus matrix effects: Analysis of solutions with high amounts of dissolved solids by flow injection inductively coupled plasma mass spectrometry  
P. Richner, *J. Anal. At. Spectrom.*, 8, 927 (1993).
2760. Application of flow-injection analysis (FIA) for the quantitative determination of proteins  
B. Schweizer, H. Mueller, and W. Liekmeier, *GIT Fachz. Lab.*, 37, 216 (1993).
2761. Flow injection determination of water in organic solvents by near-infrared spectrometry  
S. Garrigues, M. Gallignani, and M. de la Guardia, *Anal. Chim. Acta*, 281, 259 (1993).
2762. Chemiluminescence detection of organotin compounds with bis(2,4,6-trichlorophenyl) oxalate by flow-injection analysis  
T. Fujimaki, T. Tani, S. Watanabe, S. Suzuki, and H. Nakazawa, *Anal. Chim. Acta*, 282, 175 (1993).
2763. Determination of cadmium in human blood using a flow injection graphite furnace AAS system with online preconcentration by dithizone coprecipitation  
L. Dong and Z. Fang, *Fenxi Shiyanshi*, 11, 5 (1992).
2764. Determination of carbaryl in pesticide formulations by Fourier transform infrared spectrometry with flow analysis  
M. Gallignani, S. Garrigues, A. Martinez-Vado, and M. de la Guardia, *Analyst*, 118, 1043 (1993).
2765. Application of flow injection analysis in trace element determination of body fluids  
J. L. Burguera and M. Burguera, *J. Trace Elem. Electrolytes Health Dis.*, 7, 9 (1993).
2766. An ISFET-FIA system for high precision pH recording  
P. Woias, S. Koch, E. Mueller, D. Barrow, J. Cefai, G. Curtis, and H. Hughes, *Sens. Actuators*, B, 15, 68 (1993).
2767. Jet ring cell: a tool for flow injection spectroscopy and microscopy on a renewable solid support  
J. Ruzicka, C. H. Pollema, and K. M. Scudder, *Anal. Chem.*, 65, 3566 (1993).
2768. An automatic dehydrogenase-based flow-injection system: application for the continuous determination of glucose and lactate in mammalian cell-cultures  
T. Becker, W. Schuhmann, R. Betken, H. L. Schmidt, M. Leible, and A. Albrecht, *J. Chem. Technol. Biotechnol.*, 58, 183



(1993).

2769. Determination of citric acid and oxalacetic acid in foods by enzymic flow injection  
M. Planta, F. Lazaro, R. Puchades, and A. Maquieira, *Analyst*, 118, 1193 (1993).
2770. Flow-injection derivative Fourier transform infrared determination of methyl tert-butyl ether in gasolines  
M. de la Guardia, M. Gallignani, and S. Garrigues, *Anal. Chim. Acta*, 282, 543 (1993).
2771. Dual flow-injection analysis system for determining bromide and reactive phosphorus in natural waters  
P. R. Freeman, B. T. Hart, and I. D. McKelvie, *Anal. Chim. Acta*, 282, 379 (1993).
2772. Surfactants: non-biodegradable, significant pollutants in sewage treatment plant effluents. Separation, identification and quantification by liquid chromatography, flow injection analysis-mass spectrometry and tandem mass spectrometry  
H. Fr. Schroeder, *J. Chromatogr.*, 647, 219 (1993).
2773. Improved determination of aluminum species in waters using FIA separation/fluorimetric detection techniques  
B. Fairman and A. Sanz-Medel, *Int. J. Environ. Anal. Chem.*, 50, 161 (1993).
2774. Flow-injection spectrophotometric determination of amino acids based on an immobilized copper(II)-zincon system  
L. Lahuerta Zamora and J. Martinez Calatayud, *Anal. Chim. Acta*, 281, 601 (1993).
2775. Determination of levamisole by using on-line solvent extraction-flow injection spectrophotometry  
W. Liu and H. Chen, *Fenxi Huaxue*, 21, 921 (1993).
2776. Online photochemical derivatization and flow-injection spectrophotometric determination of ergonovine maleate  
A. Mellado Romero, G. Gomez Benito, and J. Martinez Calatayud, *Anal. Chim. Acta*, 282, 95 (1993).
2777. Continuous precipitation techniques in flow injection analysis  
V. Kuban, *Fresenius' J. Anal. Chem.*, 346, 873 (1993).
2778. A modular miniaturized chemical analysis system  
B. H. van der Schoot, S. Jeanneret, A. van den Berg, and N. F. de Rooij, *Sens. Actuators*, B, 13, 333 (1993).

2779. Chemiluminometric hydrogen peroxide sensor for flow injection analysis  
F. Preuschoff, U. Spohn, G. Blankenstein, K.H. Mohr, and M. R. Kula, Fresenius' J. Anal. Chem., 346, 924 (1993).
2780. A photometric detection based on a blue light-emitting diode  
P. C. Hauser and D. W. L. Chiang, Talanta, 40, 1193 (1993).
2781. Peroxo complexes of chromium(VI), molybdenum(VI) and vanadium(V) in photometric flow-injection analysis  
V. V. Kuznetsov and O. V. Biryukova, Zh. Anal. Khim., 48, 592 (1993).
2782. Enzyme-based chemically amplified flow-injection determination of catechol and catecholamines using an immobilized tyrosinase reactor and L-ascorbic acid  
Y. Hasebe, K. Takamori, and S. Uchiyama, Anal. Chim. Acta, 282, 363 (1993).
2783. Flow-injection study of inhibition and reactivation of immobilized acetylcholinesterase: determination of the pesticides paraoxon and carbamoylcholine  
I. A. Takruni, A. M. Almuaibed, and A. Townshend, Anal. Chim. Acta, 282, 307 (1993).
2784. Microanalysis of heavy metal ions with use of immobilized apoenzyme elements  
I. Satoh, Kagaku Kogyo, 44, 810 (1993).
2785. An amperometric flow-injection analysis biosensor for glucose based on graphite paste modified with tetracyanoquinodimethane  
P. C. Pandey, S. Glazier, and H. H. Weetall, Anal. Biochem., 214, 233 (1993).
2786. Application of an immobilized glucose oxidase-peroxidase system for the determination of glucose in fish blood sera  
M. Abraham, J. Nemcsok, and B. Szajani, Int. J. Environ. Anal. Chem., 50, 53 (1993).
2787. Flow-injection determination of traces of potassium by extraction with bis[2-(5'-bromo-2'-pyridylazo)-5-(N-propyl-N-sulfopropylamino)phenolato]cobaltate(III) and cryptand[2.2.2]  
H. Yamada, I. Kobayakawa, A. Yuchi, and H. Wada, Anal. Chim. Acta, 281, 95 (1993).
2788. New flow injection chemiluminescence method for the determination of nickel in water samples  
H. Li and Z. Yu, Fenxi Huaxue, 21, 1052 (1993).

2789. Flow injection spectrophotometric method for the speciation of aluminum in river and tap waters  
M. J. Quintela, M. Gallego, and M. Valcarcel, *Analyst*, 118, 1199 (1993).
2790. Flow injection stopped-flow catalytic spectrophotometric determination of trace nitrite  
S. Yang, Y. Jie, and H. Chen, *Fenxi Huaxue*, 21, 1237 (1993).
2791. Sulfate preconcentration by anion exchange resin in flow injection and its turbidimetric determination in water  
M. M. Santos Filha, B. F. Reis, F. J. Krug, C. H. Collins, and N. Baccan, *Talanta*, 40, 1529 (1993).
2792. Determination of penicillamine or tiopronin in pharmaceutical preparations by flow-injection analysis  
M. S. Garcia, C. Sanchez-Pedreno, M. I. Albero, and V. Rodenas, *J. Pharm. Biomed. Anal.*, 11, 633 (1993).
2793. Flow-injection fluorimetric determination of trimeprazine and trifluoperazine in pharmaceutical preparations  
T. Perez-Ruiz, C. Martinez-Lozano, V. Tomas, and C. Sidrach De Cardona, *Talanta*, 40, 1361 (1993).
2794. Flow injection analysis of famotidine with spectrophotometric detection  
B. V. Kamath, K. Shivram, and S. Vangani, *Anal. Lett.*, 26, 2183 (1993).
2795. Enhancement of determination selectivity by flow injection differential kinetic method  
L. Fu and Y. Ren, *Fenxi Huaxue*, 21, 1104 (1993).
2796. Study of dispersion in flow injection analysis  
A. Zhang, *Fenxi Shiyanshi*, 11, 30 (1992).
2797. Immobilized cysteine as a reagent for preconcentration of trace metals prior to determination by atomic absorption spectrometry  
H. A. M. Elmahadi and G. M. Greenway, *J. Anal. At. Spectrom.*, 8, 1009 (1993).
2798. Mercuric ion sensor with FIA system using immobilized mercuric reductase on porous glass  
M. Uo, M. Numata, I. Karube, and A. Makishima, *Ceram. Trans.*, 31, 361 (1993).
2799. Determination of cyanide and thiocyanate anions by flame atomic absorption spectrometry in a flow system using an

on-line preconcentration technique

F. T. Esmadi, M. Kharoaf, and A. S. Attiyat, J. Flow Injection Anal., 10, 33 (1993).

2800. Chemiluminescence reaction between luminol and reductants. III. Molybdenum(III)-luminol system

J. Lu, X. Zhang, M. Feng, and Z. Zhang, Fenxi Huaxue, 21, 1000 (1993).

2801. Flow injection analysis using an aquarium air pump

K. Grudpan, C. Taylor, H. Sitter, and C. Keller, Fresenius' J. Anal. Chem., 346, 882 (1993).

2802. Determination of trace metals in concentrated brines using inductively coupled plasma mass spectrometry online preconcentration and matrix elimination with flow injection

L. Ebdon, A. Fisher, H. Handley, and P. Jones, J. Anal. At. Spectrom., 8, 977 (1993).

2803. An efficient flow injection system with on-line gas diffusion preconcentration for the determination of trace amounts of ammonium nitrogen at  $\mu\text{g/L}$  levels by spectrophotometry

S. Fan, H. Mueller, B. Schweizer, and W. Boehme, Fresenius' J. Anal. Chem., 347, 103 (1993).