

FIA Bibliography(15)

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FIA-related papers and FIA monographs appeared since 1984 have been compiled in this FIA bibliography section. About 1,920 papers and seven monographs were listed in the previous section(refs. 226-228, 342, 501, 598, 771, 953, 1100, 1248, 1445, 1594, 1786, and 1924). All papers in this section are numbered in series and shown with the titles in English. The readers are requested to send me the reprints of their FIA-related papers that have not yet been listed in this section.

**Kobe Women's College of Pharmacy, Kitamachi, Motoyama, Higashinadaku, Kobe 658, JAPAN*

1924. FIA Bibliography(14)
Y. Baba, *J. Flow Injection Anal.*, **7**, 145(1990).
1925. *Flow Injection Analysis (FIA) Based on Enzymes and Antibodies*
R.D. Schmid (Editor), VCH, Weinheim, 1990.
1926. Determination of proteolytic enzymes by flow-injection analysis
P. Nicolas, A. Lamy and S. Reymond, *Anal. Biochem.*, **192**, 70(1991).
1927. Flow-injection analysis with electrochemical detection of reduced nicotinamide adenine dinucleotide using 2,6-dichloroindophenol as a redox coupling agent
H.T. Tang, K. Hajizadeh, H.B. Halsall and W.R. Heineman, *Anal. Biochem.*, **192**, 243(1991).
1928. Determinations of lactate and lactate dehydrogenase activity in serum with the flow injection analysis system involving immobilized enzyme column and chemiluminescence
M. Tabata, M. Totani and T. Murachi, *Anal. Biochem.*, **193**, 112(1991).
1929. Reversed injector loading technique for simultaneous determinations by flow injection analysis
J.L.P. Pavon, C.G. Pinto, B.M. Cordero and J.H. Mendez, *Anal. Chem.*, **62**, 2405(1990).
1930. On-valve electrochemical detector for high-speed flow injection analysis
J. Wang and R. Li, *Anal. Chem.*, **62**, 2414(1990).
1931. Use of ionomer membranes to enhance the selectivity of electrode-based biosensors in flow-injection analysis
S.A. Rosario, G.S. Cha, M.E. Meyerhoff and M. Trojanowicz, *Anal. Chem.*, **62**, 2418(1990).

1932. Indirect inductively coupled plasma atomic emission determination of fluoride in water samples by flow injection solvent extraction
J.L. Manzoori and A. Miyazaki, *Anal. Chem.*, **62**, 2457(1990).
1933. Automation of Karl Fischer water titration by flow injection sampling
Y.Y. Liang, *Anal. Chem.*, **62**, 2504(1990).
1934. Detection and correction of multiplicative interferences in single-line flow injection analysis with fluorescence detection
H.K. Chung and J.D. Ingle, Jr., *Anal. Chem.*, **62**, 2541(1990).
1935. Kinetic data from individual peak profiles corrected for dispersion in flow injection analysis applied to the determination of aluminium
H.K. Chung and J.D. Ingle, Jr., *Anal. Chem.*, **62**, 2547(1990).
1936. Liposome flow injection immunoassay: Implications for sensitivity, dynamic range, and antibody regeneration
L. Locascio-Brown, A.L. Plant, V. Horvath and R.A. Durst, *Anal. Chem.*, **62**, 2587(1990).
1937. Expansion of dynamic working range and correction for interferences in flame atomic absorption spectrometry using flow-injection gradient ratio calibration with a single standard
M. Sperling, Z. Fang, and B. Welz, *Anal. Chem.*, **63**, 151(1991).
1938. Simultaneous photometric flow injection determination of sulfide, polysulfide, sulfite thiosulfate, and sulfate
K. Sonne and P.K. Dasgupta, *Anal. Chem.*, **63**, 427(1991).
1939. Flow injection solid-phase chemiluminescent immunoassay using a membrane-based reactor
H. Liu, J.C. Yu, D.S. Bindra, R.S. Givens and G.S. Wilson, *Anal. Chem.*, **63**, 666(1991).
1940. Development of catalytic photometric flow injection methods for the determination of selenium
P.M. Shiundu and A.P. Wade, *Anal. Chem.*, **63**, 692(1991).
1941. On-line determination of sulphite in brine by flow-injection analysis
P. MacLaurin, K.S. Parker, A. Twonshend, P.J. Worsfold, N.W. Barnett and M. Crane, *Anal. Chim. Acta*, **238**, 171(1990).
1942. On-line determination of residual aluminium in potable and treated waters by flow-injection analysis
R.L. Benson, P.J. Worsfold and F.W. Sweeting, *Anal. Chim. Acta*, **238**, 177(1990).
1943. Segmental flow-injection analysis: device and applications
L.-C. Tian, X.-P. Sun, Y.-Y. Xu and Z.-L. Zhi, *Anal. Chim. Acta*, **238**, 183(1990).

1944. Monitoring and control of biological removal of phosphorus and nitrogen by flow-injection analysers in a municipal pilot-scale waste-water treatment plant
K.M. Pedersen, M. Kummel and H. Soeberg, *Anal. Chim. Acta*, **238**, 191(1990).
1945. Bio-field-effect transistors as detectors in flow-injection analysis
U. Brand, B. Reinhardt, F. Ruther, T. Scheper and K. Schugerl, *Anal. Chim. Acta*, **238**, 201(1990).
1946. Amperometric flow-injection system with an immobilized enzyme reactor for the highly selective detection of phosphate and on-line amplification by substrate recycling
T. Yao, N. Kobayashi and T. Wasa, *Anal. Chim. Acta*, **238**, 339(1990).
1947. Spectrophotometric determination of silicate with Rhodamine B by flow-injection analysis
F. Mas, J.M. Estela and V. Cerda, *Anal. Chim. Acta*, **239**, 151(1990).2
1948. Determination of a non-ionic surfactant in aqueous environmental samples by flow-injection analysis with chemiluminescence detection
J.S. Lancaster, P.J. Worsfold and A. Lynes, *Anal. Chim. Acta*, **239**, 189(1990).
1949. Flow-injection chemiluminometric analysis of some steroids by their sensitizing effect on the bromate-sulphite reaction
A.B. Syropoulos, E.G. Sarantonis and A.C. Calorkerinos, *Anal. Chim. Acta*, **239**, 195(1990).
1950. Analytical potential of flow gradients in unsegmented flow systems
M. Agudo, J. Marcos, A. Rios and M. Valcarcel, *Anal. Chim. Acta*, **239**, 211(1990).
1951. Impulse-response functions of several detectors used in flow-injection analysis
I.C. Van Nugteren-Osinga, E. Hoogendam, M. Bos and W.E. Van Der Linden, *Anal. Chim. Acta*, **239**, 245(1990).
1952. Determination of L-alanine in a flow-injection system with an immobilized enzyme reactor
N. Kiba, H. Tagami and M. Furusawa, *Anal. Chim. Acta*, **239**, 307(1990).
1953. Compensation of calibration graph curvature and interference in flow-injection spectrophotometry using gradient ratio calibration
S. Fan and Z. Fang, *Anal. Chim. Acta*, **241**, 15(1990).
1954. Flow-injection system with photodiode array detection and multivariate data evaluation for quantifying teniposide in blood plasma

- M.J.P. Gerritsen, G. Kateman, M.A.J. van Opstal, W.P. van Bennekom and B.G.M. Vandeginste, *Anal. Chim. Acta*, **241**, 23(1990).
1955. Comparison of the Powell and simplex methods in the optimization of flow-injection systems. Simulation on modelled experimental surfaces and experimental optimizations
M. del Valle, M. Poch, J. Alonso and J. Bartroli, *Anal. Chim. Acta*, **241**, 31(1990).
1956. Mathematical modelling of single-line flow-injection analysis systems with single-layer enzyme electrode detection. Part 1. Development of the mathematical model
S.D. Kolev, G. Nagy and E. Pungor, *Anal. Chim. Acta*, **241**, 43(1990).
1957. Mathematical modelling of single-line flow-injection analysis systems with single-layer enzyme electrode detection. Part 2. Simulation of the mathematical model
S.D. Kolev, G. Nagy and E. Pungor, *Anal. Chim. Acta*, **241**, 55(1990).
1958. Determination of nanoequivalent amounts of organic halogens by sample combustion-flow-injection conductimetry with on-line preconcentration
I. Gacs and K. Payer, *Anal. Chim. Acta*, **241**, 71(1990).
1959. Flow-injection-diode-array detection: a hybrid approach to the automation of simultaneous determinations of metal ions with chromogenic reagents
A.G. Melgarejo, J.M.C. Pavon and A.R. Castro, *Anal. Chim. Acta*, **241**, 153(1990).
1960. Flow-through calcium-selective electrode: Application in flow-injection analysis and ion chromatography
N. Kolycheva and H. Muller, *Anal. Chim. Acta*, **242**, 65(1991).
1961. Flow-injection spectrophotometric determination of arylamines and sulphonamides by diazotization and coupling in a micellar medium
J.S. Esteve Romero, G. Ramis Ramos, R. Forteza Coll and V. Cerda Martin, *Anal. Chim. Acta*, **242**, 143(1991).
1962. Kinetic-enzymatic determination of oxalate in urine by flow-injection analysis with double stopped flow
J.A. Infantes, M.D. Luque de Castro and M. Valcarcel, *Anal. Chim. Acta*, **242**, 179(1991).
1963. Chemiluminescence determination of vitamin B₁₂ by a flow-injection method
Y.K. Zhou, H. Li, Y. Liu and G.Y. Liang, *Anal. Chim. Acta*, **243**, 127(1991).
1964. Optimization of the two-phase separation process in flow-injection

- analysis with an electron-capture detection system
M. Novic, L. Zupancic-Kralj and B. Pihlar, *Anal. Chim. Acta*, **243**, 131(1991).
1965. Flow-injection system for the fluorimetric determination of fructose with an immobilized mannitol dehydrogenase reactor
N. Kiba, Y. Inoue and M. Furusawa, *Anal. Chim. Acta*, **243**, 183(1991).
1966. Flow-injection spectrophotometric determination of ascorbic acid by reduction of vanadotungstophosphoric acid
D.T. Burns, N. Chimpalee, D. Chimpalee and S. Rattanariderom, *Anal. Chim. Acta*, **243**, 187(1991).
1967. Spectrofluorimetric determination of diquant by manual and flow-injection methods
T. Perez-Ruiz, C. Martinez-Lozano and V. Tomas, *Anal. Chim. Acta*, **244**, 99(1991).
1968. Flow-injection determination of D-mannitol with immobilized mannitol dehydrogenase
N. Kiba, Y. Inoue and M. Furusawa, *Anal. Chim. Acta*, **244**, 105(1991).
1969. Determination of trace levels of sulphate in water using flow-injection and in-line preconcentration
M. Karlsson, J.-A. Persson and J. Moller, *Anal. Chim. Acta*, **244**, 109(1991).
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J. Martinez Calatayud and C. Martinez Pastor, *Anal. Lett.*, **23**, 1371(1990).
1971. Determination of bismuth in geological materials by flow injection hydride generation atomic absorption spectrometry
C.C.Y. Chan, M.W.A. Baig and P.A. Lichti, *Anal. Lett.*, **23**, 2259(1990).
1972. Spectrophotometric and fluorimetric determination of 9-amino acridine by flow injection analysis
J. Martinez Calatayud, A. Sanchez Sampedro, P. Villar Civera and C. Gomez Benito, *Anal. Lett.*, **23**, 2315(1990).
1973. Enhanced stability of electrochemical detection with surfactant containing mobile phases in liquid chromatography and flow injection analysis
J.F. Clos and J.G. Dorsey, *Anal. Lett.*, **23**, 2327(1990).
1974. Modification of a glassy carbon electrode by electrochemical deposition of reduced 12-molybdophosphate in a flow injection system: Increased response to molybdate and pH
R. Zhao, S.P. Scullion and A.G. Fogg, *Anal. Proc.*, **26**, 363(1989).

1975. Determination of the sulfate ion concentration in rain water by flow injection analysis incorporated with a barium chloranilate reaction column
K. Yakata, F. Sagara, I. Yoshida and K. Ueno, *Anal. Sci.*, **6**, 711(1990).
1976. Determination of manganese by flow injection analysis based on its catalytic effect on the oxidative coupling reaction of 3-methyl-2-benzothiazolinone hydrazone with *N,N*-dimethylaniline
Y. Miyata, T. Hirano, S. Nakano and T. Kawashima, *Anal. Sci.*, **7**, 97(1991).
1977. Determination of selenium by flow injection analysis based on the selenium(IV)-catalyzed reaction of 3-(4,5-dimethyl-2-thiazolyl)-2,5-diphenyl-2*H* tetrazolium bromide
E. Aoyama, N. Kobayashi, M. Shibata, T. Nakagawa and H. Tanaka, *Anal. Sci.*, **7**, 103(1991).
1978. Adaptation of on-line reactions developed for use with flow injection with amperometric detection for use in disposable sensor devices: Reductive determination of phosphate as pre-formed 12-molybdophosphate in a capillary-fill device
A.G. Fogg, S.P. Scullion, T.E. Edmonds and B.J. Birch, *Analyst(London)*, **115**, 1277(1990).
1979. Multi-enzyme electrodes for the determination of starch by flow injection
J.A. Hamid, G.J. Moody and J.D.R. Thomas, *Analyst(London)*, **115**, 1289(1990).
1980. Determination of L-ascorbic acid in fruit and vegetable juices by flow injection with immobilised ascorbate oxidase
G.M. Greenway and P. Ongomo, *Analyst(London)*, **115**, 1297(1990).
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R.H. Taylor, G.D. Clark, J. Ruzicka and G.D. Christian, *Analyst(London)*, **115**, 1407(1990).
1982. Flow injection spectrophotometric determination of 4-aminophenazone based on diazotisation and coupling reactions
A.M. Alwehaid, *Analyst(London)*, **115**, 1419(1990).
1983. Flow injection manifolds with membrane filters for pre-concentration and interference removal for precipitation flow injection flame atomic absorption spectrometry
E. Debrah, C.E. Adeeyinwo, S.R. Bysouth and J.F. Tyson, *Analyst(London)*, **115**, 1543(1990).

1984. Use of photochemical reactions in flow injection: Determination of oxalate in urine
L.E. Leon, A. Rios, M.D. Luque de Castro and M. Valcarcel, *Analyst(London)*, **115**, 1549(1990).
1985. Indirect determination of chloride by gas-diffusion flow injection with amperometric detection
S.D. Nikolic, E.B. Milosavljevic, J.L. Hendrix and J.H. Nelson, *Analyst(London)*, **116**, 49(1991).
1986. Determination of creatine kinase activity using a co-immobilized auxiliary enzyme reactor coupled on-line with a flow injection system
J.M. Fernandez-Romero and M.D. Luque de Castro, *Analyst(London)*, **116**, 167(1991).
1987. Photochemical-spectrofluorimetric determination of phenothiazine compounds by unsegmented-flow methods
D. Chen, A. Rios, M.D. Luque de Castro and M. Valcarcel, *Analyst(London)*, **116**, 171(1991).
1988. Flow injection method for the assay of phenothiazine neuroleptics in pharmaceutical preparations using ammonium metavanadate
S.M. Sultan, *Analyst(London)*, **116**, 177(1991).
1989. Spectrophotometric determination of oxytetracycline by flow injection
A.A. Alwarthan, S.A. Al-Tamrah and S.M. Sultan, *Analyst(London)*, **116**, 183(1991).
1990. Solvent extraction-spectrophotometric determination of berberine and benzethonium in drugs with tetrabromophenolphthalein ethyl ester by batchwise and flow injection methods
T. Sakai, *Analyst(London)*, **116**, 187(1991).
1991. Determination of aluminium in kaolins by flow injection
A. Prownpuntu and U. Titapiwatanakun, *Analyst(London)*, **116**, 191(1991).
1992. Use of ion-selective electrodes in kinetic flow injection: Determination of phenolic and hydrazino dugs with 1-fluoro-2,4-dinitrobenzene using a fluoride-selective electrode
J.C. Apostolakis, C.A. Georgiou and M.A. Koupparis, *Analyst(London)*, **116**, 233(1991).
1993. Optimization of a flow injection sampling system for quantitative analysis of dilute aqueous solutions using combined resonance and surface-enhanced Raman spectroscopy (SERRS)
G.T. Taylor, S.K. Sharma and K. Mohanan, *Appl. Spectrosc.*, **44**, 635(1990).

1994. Flow-injection determination of total vitamin C using cucumber juice carrier (in Japanese)
S. Uchiyama and S. Suzuki, *Bunseki Kagaku*, **39**, 793(1990).
1995. FIA of cationic surfactants using plasticized polyvinyl chloride membrane electrode(in Japanese)
T. Masadome, T. Imato and N. Ishibashi, *Bunseki Kagaku*, **40**, 1(1991).
1996. FIA of nonionic surfactants using a plasticized polyvinyl chloride membrane electrode and a micro-column packed with an ion-exchange resin(in Japanese)
T. Masadome, T. Imato and N. Ishibashi, *Bunseki Kagaku*, **40**, 7(1991).
1997. Determination of saponification value of oils by FIA(in Japanese)
A. Katafuchi, T. Imato, J. Yagi, K. Takahara and N. Ishibashi, *Bunseki Kagaku*, **40**, 49(1991).
1998. Potentiometric FIA of trace phenol(in Japanese)
H. Ohura, T. Imato, S. Yamasaki and N. Ishibashi, *Bunseki Kagaku*, **40**, 93(1991).
1999. Flow injection spectrophotometric determination of trace amounts of cyanide ion with *p*-nitrobenzaldehyde and *o*-dinitrobenzene on the basis of catalytic effect(in Japanese)
A. Sakuragawa, Y. Kinoshita and T. Okutani, *Bunseki Kagaku*, **40**, T41(1991).
2000. A galvanic gas detector using polymeric electrolyte film for FIA of nitrogen dioxide
K. Nagashima, I. Yajima and T. Hobo, *Bunseki Kagaku*, **40**, T77(1991).
2001. Flow-injection extraction (FIE) in flame atomic absorption spectrometry (in Czech)
V. Kuban, J. Komarek and D. Cajkova, *Chem. Listy*, **84**, 376(1990).
2002. Determination of ultratrace amounts of selenium(IV) in water and soil extracts by flow injection on-line ion-exchange preconcentration-hydride generation atomic absorption spectrometry
X. Xu, S. Zhang and Z. Fang, *Clin. Sci. Bull.*, **35**, 526(1990).
2003. Flow-injection amperometry of cysteine and glutathione at an electrode modified with a ruthenium-containing inorganic film
J.A. Cox and T.J. Gray, *Electroanalysis*, **2**, 107(1990).
2004. Simultaneous enzymatic determination of glucose and ascorbic acid using flow-injection amperometry
W. Matuszewski, M. Trojanowicz and L. Ilcheva, *Electroanalysis*, **2**, 147(1990).
2005. Use of side stream joined-stop-flow injection method to determine the

- content of glucose in serum (in Chinese)
Z. Zhou, S. Ye and B. Sheng, *Fenxi Ceshi Tongbao*, **9**, 15(1990).
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J. Zhang, *Fenxi Shiyanshi*, **8**, 59(1989).
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M. Zenki, K. Ohmuro and K. Toei, *Fresenius' J. Anal. Chem.*, **338**, 707 (1990).
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A. Membiela, J. Lazaro, M.D. Luque de Castro and M. Valcarcel, *Fresenius' J. Anal. Chem.*, **338**, 749(1990).
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B. Fernandez-Band, P. Linares, M.D. Luque de Castro and M. Valcarcel, *Fresenius' J. Anal. Chem.*, **338**, 752(1990).
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M. Blanco, J. Coello, J. Gene, H. Iturriaga and S. Maspoch, *Fresenius' J. Anal. Chem.*, **338**, 831(1990).
2011. Flow injection spectrofluorimetric determination of samarium(III) based on quenching of calcein blue fluorescence
M. Aihara and M. Ushikado, *Fukuoka Joshi Daigaku Kaseigakubu Kiyō*, **21**, 5(1990).
2012. Application of wall-jet electrode in flow-injection anodic stripping voltammetry (in Chinese)
G. Gao and D. Qi, *Gaodeng Xuexiao Huaxue Xuebao*, **11**, 18(1990).
2013. Flow injection-spectrophotometric analysis of iron speciation in natural water (in Chinese)
Q. Xu and X. Yuan, *Huanjing Huaxue*, **8**, 35(1989).
2014. Flow injection analysis (FIA) based on enzymes or antibodies – applications in the life sciences
R.D. Schmid and W. Kuennecke, *J. Biotechnol.*, **14**, 3(1990).
2015. A flow injection analysis system involving immobilized NADH oxidase in column form for clinical analysis
T. Murachi, M. Totani, M. Ikemoto and M. Tabata, *J. Biotechnol.*, **14**, 33(1990).
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- M.S. Abdel-Latif and G.G. Guilbault, *J. Biotechnol.*, **14**, 53(1990).
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I. Ogbomo, U. Prinzing and H.L. Schmidt, *J. Biotechnol.*, **14**, 63(1990).
2018. Flow injection analysis and biosensors: applications for biotechnology and environmental control
H. Luedi, M.B. Garn, P. Bataillard and H.M. Widmer, *J. Biotechnol.*, **14**, 71(1990).
2019. Development of an FIA system with immobilized enzymes for specific post-column detection of purine bases and their nucleosides separated by HPLC column
T. Yao, Y. Matsumoto and T. Wasa, *J. Biotechnol.*, **14**, 89(1990).
2020. Simultaneous determination of glucose, ethanol and lactate in alcoholic beverages and serum by amperometric flow injection analysis with immobilized enzyme reactors
K. Matsumoto, H. Matsubara, M. Hamada, H. Ukeda and Y. Osajima, *J. Biotechnol.*, **14**, 115(1990).
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W. Kuennecke and R.D. Schmid, *J. Biotechnol.*, **14**, 127(1990).
2022. Post-column reaction detection and flow injection analysis
H. Engelhardt, R. Klinkner and G. Schondorf, *J. Chromatogr.*, **535**, 41(1990).
2023. Chemiluminescent assay of enzyme activity and its application to FIA(in Japanese)
A. Tsuji and M. Maeda, *J. Flow Injection Anal.*, **7**, 87(1990).
2024. Optosensing of chemical species using immobilized reagents in flow injection analysis(in Japanese)
Y. Kawabata, *J. Flow Injection Anal.*, **7**, 101(1990).
2025. Flow injection analysis for guanase activity(in Japanese)
M. Tomoda, K. Uchida, N. Higuchi, K. Saji and S. Saito, *J. Flow Injection Anal.*, **7**, 113(1990).
2026. Flow injection analysis of sodium and potassium by separation on a silica-gel column and extraction-spectrophotometry: Simplification of flow systems and enhancement of sensitivity(in Japanese)
K. Yoshida and S. Motomizu, *J. Flow Injection Anal.*, **7**, 130(1990).
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C.G. Hartford, D.W. Muntz, J.V. Evans and G.T. Blair, *J. Food Compos. Anal.*, **2**, 364(1989).

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M.D. Luque de Castro and M. Valcarcel, *J. Pharm. Biomed. Anal.*, **7**, 1291(1989).
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Y. Xu, H.B. Halsall and W.R. Heineman, *J. Pharm. Biomed. Anal.*, **7**, 1301(1989).
2030. Determination of iron in water by flow injection analysis (in Chinese)
Z. Yu and N. Zhang, *Lihua Jianyan Huaxue Fence*, **24**, 89(1988).
2031. FIA determination of phosphoric acid in phosphorization solution (in Chinese)
S. Wang, K. Mei and Y. Luo, *Lihua Jianyan Huaxue Fence*, **24**, 305(1988).
2032. An acid phosphatase assay by flow injection analysis: an application example of the new continuous analysis technique to enzyme technology
P. Orprayoon, B. Leelasart and K. Grudpan, *Microb. Util, Renewable Resour.*, **6**, 38(1989).
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Y. Israel and R.M. Barnes, *Mikrochim. Acta*, **1**, 17(1990).
2035. Rapid determination of exchangeable cation and cation exchange capacity in farm soil using pressure filtration-flow cell method (in Japanese)
H. Nakajima and K. Takahashi, *Noukiyou oyobi Engei.*, **64**, 1072(1989).
2036. Rapid determination of amylose in milled-rice and flour using flow injection analysis (in Japanese)
H. Nakajima and K. Takahashi, *Noukiyou oyobi Engei.*, **65**, 1373(1990).
2037. Amperometric determination of Paraoxon in the presence of p-nitrophenol by flow injection analysis
E. Rodriguez Gonzalo, R. Carabias Martinez and J. Hernandez Mendez, *Port. Electrochim. Acta*, **7**, 73(1989).
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A.G. Fogg, S.P. Scullion and T.E. Edmonds, *Port. Electrochim. Acta*, **7**, 77(1989).
2039. Flow injection analysis: do we really exploit it optimally ? A personal

- comment from an FIA aficionado who has been in the game from the start
- E.H. Hansen, *Quim. Anal.*, **8**, 139(1989).
2040. On-line trace metal enrichment in flow injection/atomic absorption spectrometry
S. Devi, K.A. Habib, A. Townshend, *Quim. Anal.*, **8**, 159(1989).
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J.F. Tyson, *Quim. Anal.*, **8**, 171(1989).
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S. Zhang, S. Xu and Z. Fang, *Quim. Anal.*, **8**, 191(1989).
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M. Blando, J. Coello, J. Gene, H. Iturriaga and S. MasPOCH, *Quim. Anal.*, **8**, 223(1989).
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B. Moreno Cordero, J.L. Perez Pavon and J. Hernandez Mendez, *Quim. Anal.*, **8**, 231(1989).
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A.F. Danet and A. Gurguta, *Rev. Chim.*, **40**, 532(1989).
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H. Nakajima and H. Kawashiam, *Tohoku Agric. Res.*, **42**, 169(1989).
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H. Nakajima and K. Takahashi, *Tohoku Agric. Res.*, **43**, 97(1990).
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H. Nakajima and K. Takahashi, *Tohoku Agric. Res.*, **43**, 99(1990).
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J. Yang, G. Liu and Y. Jiang, *Yejin Fenxi*, **10**, 58(1990).