学会情報（2016.6～2016.11）

（徳島大院医歯薬） 竹内 政樹

日本分析化学会第 65 年会
北海道大学工学部（札幌市）2016 年 9 月 14－16 日

N2001 SIA による自動オンライン試料前処理／検出（愛知工大）手嶋紀雄，井ノ口綾夏，山下真以，村上博哉

N2002 Wet denuder/particle collector による大気中カルボニル類のフロー型連続捕集と分析（熊本大院自然・熊本大理・熊本大院先端）岩崎真和，井本ゆりか，光石夏澄，大平慎一，戸田敬

N2003 コンピュータ制御流れ分析法に基づく大気、水試料中アンモニアのモバイル化学分析（Brawijaya Univ. Dept. Chem.・高知大・MGC JAPAN・岡山大・岡山大インキュベータ・岡山大院自然・山梨大生命環境・山梨大院医工）Hakim, Lukman，樋口慶郎，本水昌二，金田隆，鈴木保任，川久保進

N2004 フローインジェクション光分析の光源を指向した BODIPY 誘導体の電気化学発光の特性（九大院工）新宅浩聡，石松亮一，中野幸二，今任稔彦

N2005 電気化学発光検出に基づく磁気ビーズ/シークエンシャルインジェクション分析法（九大院工・Chulalongkorn 大・Chiang Mai 大）Sudkate, Chaiyo，Surat, Hongsibsong，岡田拓也，石松亮一，中野幸二，今任稔彦

N2006 シーケンシャルインジェクション自動前処理希釈／FIA による高濃度成分の分析（高知大・小川商会・高知大農・高知大医）樋口慶郎，島村智子，受田浩之，竹内啓晃

N2007 フロー分析のための小型で簡易な検出器の開発（山梨大院総合研究）鈴木保任

N2008 化学発光検出を利用するフロー分析法の開発と応用（長崎大医歯薬）黒田直敬

Y1008 フィードバック/固定三角波制御フローレイショメトリーによる超ハイスループット滴定（徳島大院薬・四国理研）柿内直哉，竹内政樹，藤川明洋，田中秀治

Y1009 Polymer Inclusion Membrane コーティングカラム導入フローインジェクション分析による亜鉛(II)の分離定量条件の検討（富山大院理工・The University of Melbourne）松田築，南千香子，大嶋卓巳，源明誠，加賀谷重浩，Robert W. Cattrall，Spas D. Kolev

20th International Conference on Flow Injection Analysis and Related Techniques
October 2-7, 2016, Mallorca, Spain

OL Gary D. Christian, Can Concentrated Salts Help FIA?

KL1 Petr Solich, Flow techniques as a research tool in pharmaceutical area

KL2 Toshihiko Imato, Electrogenerated Chemiluminescence-based Analysis on Compact Disk-type Microchip

KL3 Duangjai Nacapricha, Evolution of membraneless gas-liquid separation: from tubular-based flow systems to microfluidic paper-based analytical devices

IL1 Shoji Motomizu, Mobile Chemical Analysis (MCA): Computer-Controlled Flow Analysis Using Handy Detectors as a Useful System for MCA

IL2 Spas D. Kolev, Online fractionation and speciation of bioaccessible inorganic and organic mercury in environmental solid samples with a hybrid sequential extraction-cold vapour generation-atomic fluorescence spectrometric system

IL3 Frantisek Svec, Porous polymer monolithic columns for sequential injection chromatography: Tailoring their size, porous properties, and chemistry

IL4 M. Lúcia M.F.S. Saraiva, Ionic liquids in biocatalysis: What are the aids? Potentials and pitfalls

IL5 Burkhard Horstkotte, Lab-In-Syringe as a Tool for Head-Space Single Drop Microextraction and On-Drop Sensing

IL6 Elias A.G. Zagatto, Lambert-Beer law and flow analysis

IL7 Paweł Kościelniak, Recent achievements in the calibration domain of flow analysis

IL8 Kate Grudpan, From conventional cost effective flow injection analysis to modern chemical analysis - Contribution from Chiang Mai group

IL9 Kanchana Uraisin, On-line Monitoring System of Gas Flow Reactor for Efficiency Study of Nitrogen Dioxide Removal by Photocatalyzed Titanium Dioxide

OP1 Graham Marshall, What belongs in a well-stocked flow-based analyzer toolkit?

OP2 Andrey Bulatov, Automated homogeneous liquid-liquid extraction based on flow system

OP3 Raquel B. R. Mesquita, Application of PIMs for in-line solid phase extraction in flow analysis: packed column approach for cobalt(II) determination

OP4 Gulnara Safina, Surface plasmon resonance as a novel analytical tool for studying cellular processes in-situ

OP5 Masaki Takeuchi, Nitric acid gas generator for air analysis

OP6 Susana S. M. P. Vidigal, A flow-based platform for measuring the acidity parameters in wine

OP7 Fernando Maya, Novel sorbents for solid-phase extraction using flow techniques

OP8 Petr Chocholouš, SPE-SIC method for on-line sample pre-treatment and separation

OP9 M. Ines G. S. Almeida, Nutrients analysis in environmental waters made easy by microfluidic paper-based analytical devices

OP10 Andrey Shishov, On-line reversed-phase chromatomembrane extraction coupled with ion-exchange chromatography

OP11 Víctor Cerdà, From thermometric to spectrophotometric kinetic-catalytic methods of analysis

OP12 Christina Vakh, Analytical applications of flow chemiluminescence analysis coupled with separation and preconcentration methods

OP13 Sabrina Clavijo, Analytical Strategies for Coupling Separation and Flow Injection Techniques

OP14 Georgia Giakisikli, An integrated miniSIA system for fluorimetric ammonium determination in recycling and potable water samples in micro gravity environment

OP15 Ana Machado, Development of a robust, fast screening method for the potentiometric determination of iodide in urine samples

OP16 Joanna Kozak, Titration in flow analysis

OP17 Irina Timofeeva, Automated HPLC determination of

ofloxacin in chicken meat with on-line microextraction

OP18 Ryoichi Ishimatsu, Flow Injection Immunoassay for a Degeneration Product of Herbicides, 3-Phenoxybenzoic Acid with Fluorescent Carbon Nanodots

OP19 Paweł Świt, Development of the Generalized Calibration Strategy towards elimination of additive interference effect

OP20 Nathawut Choengchan, Cross Injection Analysis: Concept and Applications to Single or Multi-analyte Determination

OP21 Tamer H.A. Hasanin, Flow-injection chemiluminescence analysis for sensitive determination of ascorbic acid using luminol

OP22 Antoni Borràs, Development of flow cell detector for radionuclide determination to integrate in a miniaturized flow system

OP23 Marcin Wieczorek, New approach to detection and elimination of unspecific interference effects in the samples of unknown and complex matrix

OP24 Jean-Luc Boudenne, Multi-syringe flow injection determination of Fe(III) and Al(III): from lab optimization to industrial design

OP25 Kazuhiko Tsukagoshi, Protein Separation with Tube Radial Distribution Chromatography Using PTFE Capillary Tube Based on Phase Separation Multi-Phase Flow

OP26 Polina Davletbaeva, Determination of synthetic water-soluble colorants in cough-cold formulations by sequential injection chromatography

OP27 Inês I. Ramos, Micro-bead injection spectroscopy for assessment of total IgG levels

OP28 Napaporn Youngvises, Microfabrication of double-sided microfluidic systems: multi-analysis challenge

OP29 Norio Teshima, Auto-pretreatment systems based on sequential injection solid phese extraction

OP30 Poachanee Norfun, Electrochemical sequential injection assay of total antioxidant capacities in tea infusions by graphene electrode

OP31 Kazuaki Ito, Simultaneous determination of inorganic nitrogen species in seawater samples

OP32 Kanokwan Kiwfo, Noodle based analytical devices

OP33 Nuanlaor Ratanawimarnwong, Membraneless vaporization with zone fluidics

OP34 Sutasinee Apichai, A simple device based on a moving drop for down scaling chemical analysis in a drop size with a mobile phone application

OP35 José Neri-Quiroz, Miniaturizing the free acidity measurements for uranium (VI)-HNO3 solutions: development of a sustainable radio-analytical chemistry through sequential injection analysis

OP36 Justyna Paluch, Novel approach to two-component determination in speciation analysis with spectrophotometric detection

OP37 Edgar F. Paski, Making FIA/SIA Based Measurements Metrologically Traceable and Fit for Purpose

OP38 Phoonthawee Saetear, Taylor Dispersion Analysis of polysaccharides using backscattering interferometry detection

OP39 Chalinee Phiphattanaphiphop, Flow Injection of Simulation Microfluidic System for Motile Sperm Sorting

SO1 Jani Tuoriniemi, Developing surface plasmon resonance based methods for the study of colloids

SO2 Sam-ang Supharoek, Determination of Benzoyl Peroxide by a Sequential Injection Analysis using Natural Reagent from Pumkin (Cucurbita moschata)

SO3 Keisuke Nakakubo, Micro/Nano Optical Fabrication and Integration in Ga-PDMS for Silicone Optical Technology

SO4 Melisa Rodas, Dynamic Lixiviation of Uranium and Thorium from Phosphogypsum by an MSFIA-Lovsystem Previous ICP-MS Detection

SO5 David J. Cocovi-Solberg, On-line Monitoring of Readily Leachable Triazine Residues in Soils Using Automatic Kinetic Bioaccessibility Assays as a Front End to Liquid Chromatography

SO6 Niramol Jitsommai, Direct Colorimetric Measurement of Urinary Thiocyanate Using Flow Analysis with On-line Sample Pretreatment

SO7 Awadh O. AlSuhaimi, Fabrication of porous monolithic silica column functionalised with [4-(2'-Pyridylazo)resorcinol] and its applications for matrices elemenation prior to transition metals analysis from environmental samples

SO8 Jirayu Sitanurak, Simultaneous Analysis of Iodide and Creatinine in Human Urine Exploiting On-line Pretreatment Flow Injection System

SO9 Natcha Kaewwonglom, Programmable hydrodynamic flow injection amperometric system for remote monitoring of dissolved oxygen in water

SO10 Carlos Palomino, Metal-organic framework mixed-matrix disks: Advanced supports for automated solid-phase extraction

SO11 Sumonmarn Chaneam, Flow injection system with C4D and colorimetric detection for simultaneous determination of urea and creatinine in urine

SO12 Ana M.O. Azevedo, Automated acylase I assay for ionic liquids´ toxicity screening

SO13 Nattapong Chantipmanee, Effect of surface area of acceptor on analytical sensitivity in zone-fluidic membraneless vaporization

SO14 Eakkasit Punrat, Determination of nickel(II) by ion-transfer to hydroxide medium using sequential injection-electrochemical analysis

SO15 Tinakorn Kanyanee, An exploiting of DC conductivity detector in flow analysis system

SO16 Patrícia S. Peixoto, Determination of fluoroquinolones in water by programmable flow injection approach coupled to fluorometric analysis

SO17 Alba González, Micro-SI system for the spectrophotometric bi-parametric determination of iron and copper in soil leachates

SO18 Jantima Upan, Flow injection amperometric sensor for determination of methyldopa using gold nanoparticles decorated on carbon nanotube modified screen printed electrode

SO19 Florencio de la Torre, Implementation of a mixing flow cell to a SIA system for polyphenol determination

SO20 Moisés Knochen, Multi-pumping flow system for the determination of nitrate and nitrite in water samples based on open-source hardware/software

SO21 Chalermpong Saenjum, Chromatographic Analysis of Purple Rice Bran Tocotrienol and Tocopherol for Osteoporotic Protective Products

SO22 Teerarat Pun-uam, Development of gas diffusion-flow injection system using Roselle (Hibiscus sabdariffa L.) extract for determination of sulfite in wines

SO23 Prakit Chuntib, Development of sequential injection

differential pulse voltammetric method based on screen printed carbon electrode modified with carbon nanotube/Nafion for paraquat determination

1P01 Bohdan Josypčuk, Electrochemical biosensors with enzymatic mini-reactors filled by various types of silica powders for measurements in flow systems

1P02 Nattapong Chantipmanee, Surface area of liquid acceptor and analytical sensitivity in zone-fluidic membraneless vaporization

1P03 Fernanda A. de Santana, Development of a MSFIA system for sequential determination of As, Sb and Se using HG-AFS

1P04 Aristidis Anthemidis, Optimization of miniSIA-1 Flow Analyzer for ammonium determination

1P05 Lindomar A. Portugal, MSFIA system for inorganic speciation analysis and determination of total and organic antimony in soil samples using HG-AFS

1P06 Jorge Guzmán, On-line monitoring of Photo Electro-Fenton Process for asulam degradation

1P07 David J. Cocovi-Solberg, Faster and more intuitive method development in SIA through programmatically convoluted command set

1P08 Kraingkrai Ponhong, Employing sequential injection analysis with natural reagent for the determination of acetic acid in vinegar samples

1P09 Sudkate Chaiyo, Development of a microfluidic paper-based analytical device for simultaneous determination of lead, cadmium and copper

1P10 André R. T. S. Araujo, Chemical oxygen demand assessment of different antipsychotic drugs for evaluation of their environmental fate

1P11 Yuji Oki, Development of Elemental Technology for Fully-Passive Optical System Fabrication on a Tablet Computer

1P12 Poachanee Norfun, Reverse flow injection spectrophotometry using an onion peel extract for determination of aluminium in drinks

1P13 Tuanne R. Dias, A flow-based multiparametric system for monitoring nutrient concentrations in hydroponic solutions

1P14 Jakub Hraníček, Determination of Barbituric Acid Using Flow Methods of Analysis With Spectrophotometric Detection

1P15 Kinichi Morita, Development of "Carbon Monoxide Densitometry System" in the Hydrogen Fuel Station for Fuel Cell Vehicle

1P16 Elias A. G. Zagatto, Spectrophotometric catalytic determination of Mo(VI) and Fe(III) in a flow system involving multivariate calibration

1P17 Ondrej Linhart, Determination of As(III) Using UV-photochemical Generation of Its Volatile Compounds and QF-AAS in Flow Injection Mode Employing Bi(III) or Sb(III) as Reaction Modifiers

1P18 Prapin Wilairat, Flow Analysis for Determination of Ammonium and Sulfide in Urban Surface Water with On-line Membraneless Vaporization Coupled with Contactless Conductivity Detection

1P19 Sherwan O. Baban, Flow-Injection Spectrophotometric Determination of Paracetamol by Coupling with Diazotized 4-Aminoacetanilide

1P20 Jirayu Sitanurak, Development of Microfluidic Paper-based Analytical Devices: a New Fabrication Method and its Applications

1P21 António O. S. S. Rangel, Primary amines in natural waters: sequential injection methodology for its fluorescent detection

1P22 Júlia Lačná, Novel, versatile capillary electrophoresis instrument with laser induced fluorescence for analysis of various lipid peroxidation biomarkers.

1P23 Pavol Ďurč, Capillary electrophoresis as a tool for diagnosis of methanol and ethylene glycol poisoning from blood samples

1P24 Pablo Fanjul Bolado, Thin layer disposable flow cells as (spectro)electrochemical detectors in FIA systems

1P25 Michał Michalec, Personal Hemodialysis Monitor

1P26 Kritsana Jitmanee, A Conical Reactor for Sequential Injection System

1P27 Thidarat Kruatian, Flow-Injection Amperometric Determination of Iodine Value of Vegetable Oils

1P28 Prinjaporn Teengam, Microfluidic Paper-based DNA Sensor using Pyrrolidinyl Peptide Nucleic Acid-induced AgNPs Aggregation for Colorimetric Detection of MERS-CoV, MTB and HPV

1P29 Paweł Świt, Two-component analysis performed by Generalized Calibration Strategy / H-point Standard Addition Method

1P30 Raquel B. R. Mesquita, Developing integrated flow analysis tools to monitor the soil-water interface: application to laboratory scale soil columns (LSSC)

2P01 Aristidis Anthemidis, Flow injection on-line fabric disk sorptive extraction coupled with atomic spectrometry for metal determination

2P02 Lindomar A. Portugal, Automated system for online antimony speciation exploiting MSFIA-HG-ICP-MS

2P03 Jorge Guzmán, Multisyringe Chromatography for on-line monitoring of the photocatalytic degradation of herbicides mixture

2P04 David J. Cocovi-Solberg, Example of automatic data treatment in CocoSoft

2P05 Aleksei Pochivalov, A membrane microextraction based on switchable-hydrophilicity solvent. Automated determination of fluoroquinolones in food samples.

2P06 Ruth Suárez, In-syringe magnetic stirring-assisted dispersive liquid–liquid microextraction and silylation prior gas chromatography–mass spectrometry for determination of atrazine and 2,4-D in water samples

2P07 Prakit Chuntib, Development of sequential injection differential pulse voltammetric method based on screen printed carbon electrode modified with carbon nanotube/Nafion for paraquat determination

2P08 Julia Jiménez-López, A novel and simple screening method for the determination of nitenpyram residues by using a multicommutated flow injection system

2P09 Tuanne R. Dias, Influence of hydrodynamic pressure and temperature on flow-based liquid-liquid extraction. Spectrophotometric determination of carbaryl in waters

2P10 Kinichi Morita, Mechanism of Surface Plasmon Resonance Sensing by Indirect Competitive Inhibition Immunoassay Using Au Nanoparticle labeled Antibody

2P11 Shoji Motomizu, Mobile Chemical Analysis (MCA) for the Determination of Nutrient Substances in Waters Using Computer-Controlled Flow Chemical Analysis (CC-FCA) Techniques Coupled with LED-Based Detectors

2P12 António O. S. S. Rangel, Use of on-line solid phase extraction and a multi-reflection flow cell coupled with a LED for the spectrophotometric determination of zinc: application to plant digests

2P13 Susana S. M. P. Vidigal, Use of the iodine-starch chemistry for the flow injection determination of free sulphur dioxide in wine

2P14 Michał Michalec, Photometric flow cell made by 3D printing

2P15 Irene Delgado-Blanca, Automated LLE procedure applied to specific migration analysis

2P16 Pijika Mool-amkha, An automatic hydrodynamic injection microfluidic device integrated with optical sensor for triclosan determination

2P17 Yuji Oki, Impurity Analysis Study for Engine Coolant based on Mobile LIF Measurement

2P18 Fernando Maya, Flow-through supports with multi-scale porosity: ZIF/ZnO-polymer hybrid monoliths for solid-phase extraction

2P19 Susana P. F. Costa, Determination of chemical oxygen demand (COD) of some ionic liquids resorting to an automated Ce(IV) methodology

2P20 Luisa Barreiros, Lab-on-valve and bead injection: recent trends

2P21 Alba González, In-syringe dispersive μ-SPE of estrogens using magnetic carbons obtained from zeolitic imidazolate frameworks

2P22 Juan G. March, Phase separation in dispersive liquid-liquid microextraction based on solidification of the aqueous phase

2P23 Ivana Šrámková, Flow-batch analysis method for the determination of trace levels of clenbuterol in urine samples using MIPs and Griess reaction

2P24 Marta Fiedoruk-Pogrebniak, Paired emitter detector diodes as detectors for lab-on-paper systems

2P25 Joanna Kozak, Determination of amoxycyline in a flow-batch sequential inection system by means of voltammetric sensor

2P26 Marta Pokrzywnicka, Flow analysis system for determination of lactase activity in dietary supplements

2P27 Kanokwan Kiwfo, Flow and chemical kinetic behaviors in simple paper based analytical platforms and the applications

2P28 Moisés Knochen, SIA determination of cadmium in drinking-water samples with on-line preconcentration and flame AAS detection

2P29 Napaporn Youngvises, Fabrication of double-sided microfluidic system for dissolution profile study of ascorbic acid tablets using potassium permanganate

2P30 Jaroon Jakmunee, Hydrodynamic injection: a low cost and efficient injection method for flow based analysis

3P01 Jorge Guzmán, Preconcentration and determination of phthalates in bottled water by MSFIA-HPLC-UV

3P02 Carlos Calderilla, Completely automated determination of metals using magnetic stirring-assisted liquid-liquid microextraction

3P03 Mohamad Subhi Sammani, An Optimized and validated HPLC-DAD method for determination of four flavonoids in pure form and in pharmaceutical preparations

3P04 Julia Jiménez-López, Evaluation of analytical potential of fluorescence resonance energy transfer (FRET) sensing combining CdTe quantum dots and Au nanoparticles for chemical analysis

3P05 Víctor Cerdà, Automatic flow kinetic-catalytic methods

3P06 Víctor Cerdà, Testing Flow-through cells for polarography

3P07 Elodie Mattio, 3D printed system for the spectrophotometric determination of lead in water

3P08 Justyna Bzura, Multicommutated flow analysis systems for urease activity assays

3P09 Ivana Šrámková, Iodine determination in various matrices using leucocrystal violet method automated by In-Syringe Analysis

3P10 Kamil Strzelak, Transferrin speciation in human serum in flow analysis format

3P11 Natalia Rybkowska, Dedicated optoelectronic detectors in flow analysis systems for determination of iron in human serum

3P12 Thitirat Mantim, Dual photometric-conductivity detector for simultaneous measurements of dye and conductivity of oral dehydration salts

3P13 Hana Sklenářová, Chemiluminescence method for testing anti-oxidation activity by the sequential injection technique as a complementary method for the assay of phenolic compounds in apples

3P14 Piyawan Phansi, Membraneless Gas-Separation Microfluidic Paper-Based Analytical Device for Quantitative Analysis of Ammonium Ion

3P15 Mateusz Granica, Paper based flow injection analysis – the proof of concept

3P16 Marina Villar, Lab-On-Valve system coupled to online UV-Vis detection for monitoring 99Tc in hospital and urban residues

3P17 Lucie Zelena, Automated SPE procedure for lovastatin determination using laboratory-made molecularly imprinted polymer as a sorbent

3P18 Luz O. Leal, Automation of solid-phase extraction and liquid-liquid extraction in radiochemical analysis

3P19 Najib BenAli Gam, Multi-syringe flow injection determination of tropomyosine in shellfish extracts

3P20 Yanisa Thepchuay, Microfluidic Paper-based Analytical Devices for Determination of Nitrite in Saliva

3P21 Wasin Wongwilai, Laboratory Assisted Network (LAN) for chemical analysis via everyday life modern information technology: an alternative cost effective novel approach for chemical analysis laboratory management

3P22 Kate Grudpan, Flow injection analysis bridges Thai analytical scientists to the world

3P23 Rejane M. Frizzarin, Sub-micron magnetic nanoporous carbons enabling electromagnet assisted on-line solid-phase extraction

3P24 Justyna Paluch, Two-component flow injection gradient titration

3P25 Raquel B. R. Mesquita, The application of 3,4-HPO chelators as chromogenic reagents for iron in a microfluidic paper-based analytical device

3P26 Autchara Paukpol, Dynamic flow-through sequential extraction method for fractionation of cadmium and lead in soil samples, determined by anodic stripping voltammetry with bismuth coated screen print electrode

3P27 Marta Fiedoruk-Pogrebniak, Multicommutated flow analysis systems for determination of alkaline phosphatase activity

3P28 Chidkamon Thunkhamrak, Sequential injection with electrochemical immunosensor for sensitive determination of human immunoglobulin G

3P29 Miquel Oliver, Liposomes as biomembrane models for exploring the bioavailability of emerging contaminants

CL António O.S.S. Rangel, A view on the strengths and limitations of flow-based approaches for food and

environmental monitoring

第 53 回フローインジェクション分析講演会
同志社大学室町キャンパス（京都市）2016 年 11 月 5 日

1 物質変換を利用したユニバーサルかつキャリブレーションフリーなHPLC検出器の開発（熊大院先端）大平慎一, 金田恭介, 松崎 徹, 戸田 敬
2 有限体積法を用いたマイクロ流路内液液二相流の数値シミュレーション（同志社大院理工）山崎晴彦
3 オプティカルセンサを組み込んだマイクロチップを検出器とする硫酸イオンのフローインジェクション分析（芝浦工大）中村 昂, 正留 隆
4 コンピュータ制御フロー化学分析法による栄養塩類のモバイル測定（Brawijaya Uni. Dept. Chem. , 高知大-MGC JAPAN, 岡山大・岡山大インキュベータ, 山梨大生命環境）Lukman Hakim, 樋口慶郎, 本水昌二, 鈴木保任
5 富士山頂における水溶性酸性ガス／粒子状物質の観測（徳島大薬）富安直弥, 並川 誠, 田中秀治, 竹内政樹
6 新製品紹介（株式会社共立理化学研究所）上田 実
7 マイクロ流路内の分散ガス液フローによる微粒子の生成制御（同志社大[理工] ）石原聡美, 森 康維, 土屋活美
8 抗体および抗原へのカーボンナノドットの化学修飾とフロー分析への応用（九大院工）石松亮一, 中野幸二, 今任稔彦
9 同時注入/迅速混合分析法を用いる尿中アルブミン, クレアチニン, ビリルビンの定量（愛知工大, 岡山大院, チェンマイ大学, シリナカリンウイロット大学, マヒドン大学）酒井忠雄, 手嶋紀雄, 村上博哉, 本水昌二, K. Ponhong, K. Grudpan, N. Natanawinarnwong, D. Nacapricha
10 多流路型固体中重金属抽出装置の開発（群馬大学院理工）篠崎春香, 森 勝伸, 板橋英之
11 フロー分析における過酸化水素定量試薬としてのチタン(IV)-4-(2-ピリジルアゾ)レソルシノール錯体の性能検討（東京薬大・東北大多元研）高村 喜代子, 松本高利
12 液液光導波路を用いたラジカル消去反応の観察（奈良教大, 群馬大理工）堀田弘樹, 鈴木祐哉, 角田欣一
13 酵素固定化炭素繊維を生物触媒型電気化学検出器とするグルコースのフロー型バイオセンサー（埼玉工大・工, 遼寧科技大）長谷部靖, 王月, 渡邊崇史
14 Sequential injection immunoassay for pesticides based on electrogenerated chemiluminescence（Chulalongkorn 大, Chiang Mai 大, 九大院工）Kanokwan Charoenkitamorn, Sudkate Chaiyo, Surat Hongsibsong, 岡田拓也, 石松亮一, 中野幸二, 今任稔彦
15 大気エアロゾルに含まれる過塩素酸イオンの動態解析（徳島大薬）成田三紀, 髙野恵万子, 田中秀治, 竹内政樹
16 トラックエッチ膜フィルター電極システムを用いる乳酸とグルコースの同時定量（徳島大院理工, 山形大院理工, 野村マイクロ・サイエンス）水口仁志, 佐々木 景子, 市瀬博一, 清野翔太, 櫻井 淳, 飯山真充, 木島龍朗, 立花和宏, 仁科辰夫, 高柳俊夫, 志田惇一
17 鉄鋼中りん試験方法の視覚情報収集と FIA の適用（愛知工大） 村上博哉, 神谷修平, 柘植政宏, 葛谷真美, 森田 健太郎, 酒井忠雄, 手嶋紀雄
18 シーケンシャル反応気化質量分析により海洋／大気間の物質移動を探る（熊本大院先端）戸田 敬
19 相分離混相流を利用するキャピラリークロマトグラフィーにおける技術改良（同志社大院理工）塚越一彦
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