

学会情報 (2017. 6~2017. 11)

(徳島大院医歯薬) 竹内 政樹

ICAS2017

Hainan International Convention & Exhibition Center
(Hainan, China) 2017 年 5 月 5—8 日

- 6pECO3 Flow-based Analysis on a Compact Disk-Type
Microchip with Electrogenerated Chemiluminescence
Detection Takuya Okada, Kyushu University, Japan
6pP085 Determination of balofloxacin in water by flow-injection
chemiluminescence analysis, Nai-Lin-Ren, Yi-Na Zou,
Hanshan normal University

21th ICFIA

Solo Sokos Hotel Palace Bridge (Saint Petersburg,
Russia) 2017 年 9 月 3—8 日

- KL-1 Gary Christian, Innovations in the teaching of analytical
chemistry: How they have evolved
KL-2 Marek Trojanowicz, Multicomponent radionuclide
determinations in flow systems for monitoring of nuclear
reactor operation and safety
KL-3 António Rangel, Applications of solid phase extraction
and functionalized sorbent material in flow analysis
KL-4 Victor Cerdà, Hyphenation techniques in flow analysis
IL-1 Manuel Miró, Automatic flow-based physiologically
based extraction tests for investigation of bioaccessible
metal species in environmental solids and foodstuff
OP-1 Marcin Wieczorek, Development of the chemical
H-point standard addition method on the basis of the
gradient ratio flow-injection technique
OP-2 Shoji Motomizu, Computer-controlled mobile chemical
analysis (CC-MCA) for multi-component determination
OP-3 Jaroon Jakmunee, A compact hydrodynamic sequential
injection system for multi-parameter determination of
soil quality
OP-4 Andrey Bulatov, Automated sample pretreatment of food
and pharmaceuticals based on stepwise injection system
OP-5 Mikhail Statkus, Subcritical water as an eluent for flow
analysis systems including solid-phase extraction
OP-6 Purim Jarujamrus, Argentometric and complexometric
titrations using thread-based analytical devices
OP-7 Kazuaki Ito, Simultaneous determination of inorganic
nitrogen and phosphorous species in seawater samples
OP-8 Phoonthawee Saetear, Temperature-dependent schlieren
effect in liquid flow for chemical analysis
OP-9 Jirayu Sitanurak, Membraneless gas-separation
microfluidic paper-based analytical device for green and
direct analysis of concentrated hypochlorite in
commercial household products
OP-10 Pathinan Paengnakorn, Novel simple dual
electrochemical – colorimetric sensor systems
/instrumentation
OP-11 Kei Toda, Analysis of atmospheric carbonyls in gaseous
and particulate phases by using flow-based parallel plate
wet denuder and particle collector: On site analysis in
Kumamoto and on the top of Mt. Fuji
OP-12 Inga Markeviciute, Flow-through dialytic sampling and
sample preparation in hyphenation to ion
chromatography
IL-2 Peter C. Hauser, Microfluidic breadboard approach to

flow methods

- KL-5 Petr Solich, Role of monoliths in flow analysis
KL-6 Toshihiko Imato, Flow-based analysis on a compact
disk-type microchip with electrogenerated
chemiluminescence detection
KL-7 Paweł Kościelniak, On implementation of flow
techniques to routine analysis
KL-8 Vladimir Kuznetsov, Flow injection analysis as interplay
between kinetics and thermodynamics
OP-13 Shaorong Liu, Chip-capillary hybrid device for
micro-scale flow-injection analysis
OP-14 Kazuhiko Tsukagoshi, Tube radial distribution
chromatography developed by combining an
open-tubular capillary tube as separation column and
commercial HPLC system
OP-15 Fernando Maya, Mixed-matrix disks containing
micro/nanomaterials: novel supports for automated
solid-phase extraction
OP-16 Stanisława Koronkiewicz, A novel pulsed xenon flash
lamp photoreactor and its potential applications in flow
analysis
OP-17 Rattikan Chantiwas, Sequential injection-liquid
microextraction with GC-FID for analysis of short-chain
fatty acids in palm oil mill effluent
OP-18 Ilkka Lähdesmäki, Multivariate analysis for FIA/SIA
methods – a practical approach
OP-19 Chalermpong Saenjum, Flow techniques for the quality
control in Miang (Traditional Fermented Tea) production
in Northern Thailand: Standard and alternative methods
OP-20 Joanna Kozak, Flow-based chromium speciation analysis
OP-21 Raquel B. Mesquita, Soil/water interface assessment
using sequential injection for multiparametric analysis
OP-22 Edgar Paski, A guide to the ISO/IEC 17025:2017
Standard for the analytical chemist
OP-23 Norio Teshima, Automated pre-column derivatization
HPLC determination of aldehydes and acetone using
simultaneous injection effective mixing flow analysis
OP-24 Waraporn Threeprom, Development of microfluidic
spectrometric device for arsenic monitoring in water
samples
OP-25 Melisa Rodas, Ceballos Coupling of MSFIA-LOV
system with a homemade liquid scintillation detector for
radionuclide determination at environmental levels
OP-26 Maliwan Amatatongchai, Selective amperometric flow
injection analysis for carbofuran based on molecular
imprinted polymer and gold-coated magnetite modified
carbon nanotubes-paste electrode
IL-3 Wolfgang Frenzel, The role of FIA/SIA in solving
analytical problems in environmental research: A critical
stock-taking
KL-9 Kate Grudpan, Employing modern information
technology in flow and non-flow techniques: Modern
(Green) chemical analysis
KL-10 Jin-Ming Lin, Nanoparticles-enhanced
chemiluminescence of peroxymonocarbonate and its
application in flow injection analysis
KL-11 Spas Kolev, Application of polymer inclusion

- membranes and beads in flow analysis
- KL-12 Tatiana Tennikova, Polymer monoliths: past, present and perspectives
- OP-27 Petr Chocholouš, Various approaches in the on-line solid-phase extraction for trace metals analysis
- OP-28 Burkhard Horstkotte, Lab-in-syringe automated of head-space extraction coupled online to FID-GC for sensitive determination of BTEX in surface waters
- OP-29 Joana Miranda, Measurement of iron (III) in waters by microsequential injection solid phase spectrometry using an hexadentate 3-hydroxy-4-pyridinone chelator as a color reagent
- OP-30 Lawrence Nugbienyo, Determination of acetylator phenotypes in humans. SWIA determination of procainamide in urine and saliva
- OP-31 Ryoichi Ishimatsu Probing radical anion of pyrene with electrogenerated chemiluminescence
- LT-1 Marcel Alaboud An automated magnetic dispersive solid phase microextraction in a fluidized reactor for the determination of fluoroquinolone antimicrobial drugs in baby food samples
- LT-2 Hana Sklenarova, Automation of luciferase determination in a sequential injection system with chemiluminescence detection for cytotoxicity testing
- LT-3 Elodie Mattio, 3D printed lab-on-valve for lead and cadmium quantification in water
- LT-4 Ana Machado, Development of a noninvasive technique for monitoring glucose levels in saliva by sequential injection determination
- LT-5 Daria Kanashina, A novel microextraction technique for HPLC-MS/MS determination of insecticides in beverages
- LT-6 Kanokwan Kiwfo, Novel simple flow set-ups/Procedures for kinetic study
- LT-7 Daria Nechaeva, Voltammetric determination of hydrogen sulfide in marine fuel using paper-based microfluidic devices
- LT-8 Yuliia Miekh, Simultaneous kinetic spectrophotometric sequential injection determination of two reducing agents with 18-molybdo-2-phosphate heteropoly complex
- LT-9 Vera Somova, New variant of hydrophilic interaction liquid chromatography for determining highly polar drugs in body fluid
- LT-10 Joonchul Shin, Forensic profiling device (FPD): Real-time estimation of postmortem interval (PMI) from bacteria analysis with smartphone-based electrochemical immunosensor
- IL-4 Dmitry Kirsanov, The use of chemometrics in flow-injection analysis
- KL-12 Elias Zagatto, Fluidized bed in flow analysis
- KL-13 Duangjai Nacapricha, Lab on paper: effective and low-cost way to do microfluidic analysis
- OP-32 Justyna Paluch, Sequential injection system with in-line solid phase mini-column extraction for zinc and copper determination
- OP-33 Hyo-Il Jung, A fully automated photo-thermal system for diagnosis of diabetes mellitus by capturing the sialic acid expressed on the erythrocyte membranes
- OP-34 Wasin Wongwilai, Cost effective alternative precision agriculture: Chiang Mai Model
- OP-35 Gulnara Safina, Measuring the rate of cellular uptake of nanoparticles using surface plasmon resonance
- P-1 Andrey Shishov, Vasil Andruch, Andrey Bulatov, Rodolfo G. Wuilloud «Application of the ionic liquid in automated systems»
- P-2 Andrey Shishov, Ivan Sviridov, Irina Timofeeva, Natalia Chibisova, Leonid Moskvina, Andrey Bulatov «An effervescence tablet-assisted switchable solvent-based microextraction: On-site preconcentration of steroid hormones in water samples followed by HPLC-UV determination»
- P-3 Aleksei Pochivalov, Irina Timofeeva, Christina Vakh, Andrey Bulatov «Switchable hydrophilicity solvent membrane-based microextraction for HPLC determination of fluoroquinolones in shrimps»
- P-4 Autchara Paukpol, Jaroon Jakmunee «Automatic sequential injection greener anodic stripping voltammetry with monosegmented flow for simultaneous determination of cadmium and lead in soil samples»
- P-5 Bülent Ergun, Murat Soyseven, Rüstem Kecili and Göksel Arli «Development of HPLC-DAD and HPLC-ELSD-based analytical methods for the analysis of fluconazole in real samples»
- P-6 Carlos Calderilla, Fernando Maya, Luz O. Leal, Víctor Cerdá «3D printed extraction device with integrated features for the automated determination of chromium (VI)»
- P-7 Carlos Calderilla, Fernando Maya, Luz O. Leal, Víctor Cerdá «3D printed integrated device for disk-based automated solid-phase extraction»
- P-8 Chikako Cheong, Yuji Fujitani, Hiroyuki Hagino, Yasuhito Igarashi, Mizuo Kajino, Masaki Ohata «Development of automated flow system for measuring oxidative potential of PM_{2.5}»
- P-9 Dalibor Šatinský, Petr Chocholouš, Ivana Jířhová, Petr Solich «Sequential injection hydrophilic interaction chromatography in SIC system – a new approach for determination of resveratrol and polydatin»
- P-10 Dalibor Šatinský, Jiří Chvojka, Slavomíra Zatrochová, Ivona Lhotská, Martina Parmová «Nanofiber polymers as a novel sorbents for coated stir bar soptive extraction»
- P-11 Daria Polikarpova, Daria Dzema, Liudmila Kartsova «Application of strong basic nano-sized anionite for the capillary electrophoresis separation and on-line concentration of inorganic anions and organic acids»
- P-12 Göksel Arli, Murat Soyseven, Rüstem Kecili «HPLC analysis of rosuvastatin calcium in drug tables»
- P-13 Hayato Araki, Hiroya Murakami, Yuta Miki, Ruri Horiba, Bunji Uno, Yukihiro Esaka, Norio Teshima «Development of highly sensitive quantitative method of acetaldehyde-DNA adducts by LC-ESI-MS/MS»
- P-14 Hiroaki Matsuura, Ayane Uchino, Shura Sakamoto, Shunichi Uchiyama «Amperometric measurement of hydrogen peroxide using nitrogen-decorated carbon fiber electrodes fabricated by stepwise electrolysis»
- P-15 Hiroya Murakami, Hayato Araki, Yuta Miki, Bunji Uno, Yukihiro Esaka, Norio Teshima «Development of HILIC-ESI-MS/MS method for DNA adductomics»
- P-16 Ivana Šrámková, Veronika Jirsíková, Hana Sklenářová, Dalibor Šatinský «Nanofibres as a novel sorbent for SPE in sequential injection system»
- P-17 Joanna Kozak, Justyna Paluch, Marta Konieczna, Marcin Wieczorek, Paweł Kościelniak «Flow titration based on titrant dilution factor»
- P-18 Jantima Upan, Philippe Banet, Pierre-Henri Aubert, Kontad Ounnunkad, Jaroon Jakmunee «Sequential

- injection-differential pulse voltammetric immunosensor for hepatitis B surface antigen using silver nanoparticles as electrochemical probe on the modified screen printed electrode»
- P-19 Jong-Il Rhee, Budi Wibowotomo, Jong-Bang Eun «Optimization of the sequential injection analysis system for determination of a non-nutritive sweetener, saccharin»
- P-20 Kateřina Fikarová, Burkhard Horstkotte, Hana Sklenářová, Petr Solich «Automated continuous in-syringe dispersive liquid-liquid extraction and back-extraction for the determination of nitrophenols in environmental samples»
- P-21 Keisuke Nakakubo, Zhu Jun Feng, Hiroaki Nomada, Kinichi Morita, Hiroaki Yoshioka and Yuji Oki «3D-Printed lens molds by gallium surface control for on-demand fabrication of optical sensing system»
- P-22 Kinichi Morita, Kazuhira Sakamoto, Dulal Chandra Kabiraz, Masashi Takahashi, Toshikazu Kawaguchi «Automated immunosensor system for real sample analysis»
- P-23 Kitti Phojuang, Wasin Wongwilai, Kate Grudpan «Internet of Things (IoT) bridging chemical analysis for agriculture: Experiences in Chiang Mai»
- P-24 Anastasia Kravchenko, Ekaterina Kolobova, Liudmila Kartsova, Elena Bessonova «Determination of biogenic amines in urine sample using ionic liquids covalent coated quartz capillaries by capillary electrophoresis»
- P-25 Kseniia Cherkashina, Aleksei Pochivalov, Christina Vakh «A fully automated cloud point microextraction approach using octylamine for the separation and preconcentration of tetracyclines in honey»
- P-26 Lucie Zelená, Jakub Fibigr, Lucie Hyřšová, Burkhard Horstkotte, Manuel Miró, Hana Sklenářová «3D-printed Franz diffusion cell – another approach in automation of permeation studies using Sequential Injection Analysis»
- P-27 Marcin Wieczorek, Karolina Starzec, Maria Madej, Paweł Knihnicki, Jolanta Kochana, Paweł Kościelniak «Flow manifold for chemical H-point standard addition method implemented to electrochemical analysis based on the electrostriction phenomenon»
- P-28 Murat Soyseven, Rüstem Kecili, Göksel Arli «Analysis of sertraline hydrochloride using RP-HPLC-DAD and HPLC-ELSD systems»
- P-29 Nadia Ollivier, Elodie Mattio, Bruno Coulomb, Damien Bonne, Fabien Robert-Peillard, Jean-Luc Boudenne «Modified 3D-printed device for mercury determination in waters»
- P-30 Rana Chehab, Bruno Coulomb, Fabien Robert-Peillard, Jean-Luc Boudenne «Multi-syringe chromatography system for the on-line analysis of inorganic chloramines»
- P-31 Natalia Volodina, Andrey Shishov, Andrey Bulatov «On-line in-syringe deep eutectic solvents extraction coupled with HPLC-UV for the determination of caffeine in drinks»
- P-32 Prakrit Chuntib, Kontad Ounnunkad, Jaroon Jakmunee, Philippe Banet, Pierre-Henri Aubert «Development of flow based sandwich-type electrochemical immunosensor for Prostate Specific Antigen (PSA) assay»
- P-33 Prapin Wilairat, Waleed Alahmad, Thanakorn Pluangklang, Thitirat Mantim, Victor Cerda, Nuanlaor Ratanawimarnwong, Duangjai Nacapricha «Determination of dissolved ammonia and sulfidewith on-line membraneless vaporization coupled with contactless conductivity detection»
- P-34 Raquel B. R. Mesquita, Tânia C. F. Ribas, Charles Croft, M. Ines G.S. Almeida, Spas D. Kolev, António O. S. S. Rangel «Polymer inclusion membranes (PIMs) as an alternative solid phase extraction (SPE) material: Comparison studies between batch and flow procedure»
- P-35 Rüstem Kecili, Murat Soyseven, Göksel Arli «Determination of benzocaine in pharmaceutical compounds using RP-HPLC-DAD and HPLC-ELSD systems»
- P-36 Ryoichi Ishimatsu, Kinichi Morita, Yuji Oki, Toshihiko Imato «Applications of a portable UV-Vis spectrometer for enzymatic reactions»
- P-37 S. O. Baban, K. A. Saleem «Flow injection spectrophotometric system for determination of Metronidazole by 2,4-(DHB) as a reagent using degasing and temperature controlling system»
- P-38 Svetlana Soloveva, Liudmila Kartsova, Elena Bessonova «HPLC/MS determination of anti-TB drugs and their metabolites in human plasma for optimization therapeutic treatment of tuberculosis»
- P-39 Sofya Lebedinets, Aleksei Pochivalov, Christina Vakh «Determination of meropenem in biological fluids»
- P-40 Susana S. M. P. Vidigal, Francisco M. Campos, António O. S. S. Rangel «Determination of the thermodynamic binding constants of hydroxycinnamic acids with BSA using a flow-based approach with fluorimetric detection»
- P-41 Tsutomu Nagaoka, Hiroshi Shiigi, Yojiro Yamamoto «Metal coating on plastic/inorganic device surface by metal nanoparticle plating technique»
- P-42 T. Suekane, S. Motomizu, T. Kaneta, L.N. Moskvina and J. Simon «Computer-controlled mobile chemical analysis (CC-MCA) for air pollutants by coupling collection/enrichment techniques»
- P-43 T. Alexandra Ferreira, Jose A. Rodriguez, Carlos A. Galán-Vidal, Enrique Barrado «On-line determination of Cr (VI) by adsorptive cathodic stripping voltammetry on a immobilized magnetic poly(ionic liquid) modified electrode»
- P-44 Takuya Aoyanagi, Yuta Miki, Hiroya Murakami, Yoshinori Inoue, Norio Teshima «Comprehensive research on solid phase extraction adsorbent for hydrophilic compounds»
- P-45 Tu Yifeng «The development of FIA based electrochemiluminescent analysis»
- P-46 Naho Watanabe, Sae Iwata, Masaki Kounoura, Yuta Nakashima, Hiroyuki Ohashi, Kinichi Morita, Yuji Oki, Satoru Kuhara, Kosuke Tashiro «Evaluation on the effect of titanium substrate surface irradiated with vacuum ultraviolet light on cultivation of fibroblast and its difference»
- P-47 Malyn Ungsurungsie, Kate Grudpan, Chalermpong Saenjurn «HPLC investigation of anthocyanin in purple rice bran and potential use in cosmeceutical products»
- P-48 Tinakorn Kanyanee, Kanchuma Ngamakarn, Narongporn Pungwiwat, Sunanta Wangkarn, Kate Grudpan «Moving drop manipulation for capillary electrophoresis injection with contactless conductivity detector for some ions analysis»
- P-49 Wanpen Khongpet, Somchai Lapanantnoppakhun, Chanida Puangpila, Jaroon Jakmunee «Development of hydrodynamic sequential Injection system for determination of phosphate»

- P-50 Zhu Jun Feng, Keisuke Nakakubo, Hirokazu Higuchi, Kinichi Morita, Hiroaki Yoshioka and Yuji Oki «Simple and cheap spectroscopy system specified for 260/280 nm using silicone optical technology»
- P-51 Alba González, Sabrina Clavijo, Víctor Cerdà «SIA-LOV system coupled to large volume injection-programmable temperature vaporization-gas chromatography for the fully automated determination of estrogenic compounds»
- P-52 Gabriela Chango, Edwin Palacio, Víctor Cerdà «Potentiometric Chip-Multipumping Flow System for Simultaneous Determination of Fluoride, Chloride, pH and Redox potential in Water Samples»
- P-53 Donagi Esparza, Marina Villar, Luz O. Leal, Victor Cerdà, Laura Ferrer «Extraction and preconcentration of radioiodine throughout a MSFIA-LOV system previous liquid scintillation counter detection»
- P-54 Rogelio Rodríguez-Maese, Luz O. Leal, Laura Ferrer, Víctor Cerdà «Multicommutated flow system for automatic solid phase extraction of cadmium from tobacco samples previous ICP-MS detection»
- P-55 Mohamad Subhi Sammani, Sabrina Clavijo, Víctor Cerdà «High performance liquid chromatographic method for simultaneous determination of four flavanols in different food supplements and pharmaceutical formulations»
- P-56 Inga Markeviciute, Wolfgang Frenzel «Evaluation of flow-through dialysis probes for sampling and sample preparation of complex samples: hyphenation to flow analysis and ion chromatography»
- P-57 Hyo-Il Jung, Leila Kashefi-Kheyraadi «A highly sensitive microfluidic-based electrochemical aptasensor for detection of Bisphenol A»
- Asia/ CJK symposium on analytical science 2017
東京理科大学 (葛飾区) 2017 年 9 月 9, 10 日
- KL20 Flow/Sequential Injection-Solid Phase Extraction for Wastewater Analysis and Urinalysis(Aichi Institute of Technology) Norio Teshima
- KL25 Flow titration by feedback-based flow ratiometry with air segmentation(Tokushima University) Hideji Tanaka
- P26 High throughput titration by feedback-based flow ratiometry and its application to analysis of vinegar samples(Tokushima University) Naoya Kakiuchi
- P29 Flow Injection Analysis of Cationic Surfactants Using a Microfluidic Polymer Chip with an Embedded Optode Membrane as a Detector (Shibaura Institute of Technology) Takashi Masadome, Mekonnen Abiyot Ashagre
- 日本分析化学会第 66 年会
東京理科大学 (葛飾区) 2017 年 9 月 9-12 日
- AS3001 新規センシング技術を用いるフロー分析法の開発(九大院工) 今任稔彦
- C2008 イオン電極検出器を用いる西洋わさびペルオキシダーゼのシーケンシャルインジェクション分析(芝浦工大) 石山和弥, 正留隆
- KS2009 コンピュータ制御フロー化学分析: 環境測定への応用(岡山大インキュベータ) 本水昌二
- KS2010 新規検出器の開発と応用—分子鑄型法を中心として(阪府大院工) 長岡勉, 椎木弘
- K2011 臨床試験における FIA の活用—尿中の NO 代謝物とクレアチニンの定量—(高知大医・高知大地域連携・小川商会) 竹内啓晃, 吉金優, 樋口慶郎
- K2013 液体クロマトグラフ-フローアナリティカルシステムによるアミノ基修飾二酸化チタン担持プレートの水質浄化性能評価(群馬大院理工・原子力研究機構・高知大教育研究部) 小林健太郎, 杉田剛, 小林謙一, 山崎太樹, 森勝伸, 板橋英之
- KS2014 流れ分析法による水質試験方法(JIS K 0170)の改正概要(横浜国大) 中村栄子
- KS2015 遠心力駆動流れ分析法の開発と応用(九大院工) 今任稔彦
- K2016 セレン-ジアミノナフタレン錯体の逆相/陽イオン交換型固相抽出剤への吸着挙動(愛知工大) 足立雅典, 三木雄太, 村上博哉, 井上嘉則, 手嶋紀雄
- K2017 全室素の酸化分解/紫外光及びカルム還元・可視光同時検出 FIA(愛知工大・三菱ケミカルアナリティック) 作田成久, 大野慎介, 村上博哉, 林則夫, 手嶋紀雄
- K2018 ピロロピロール aza-BODIPY 誘導体の電気化学発光: フローインジェクション光分析用光源としての応用の検討(九大院工) 新宅浩聡, 石松亮一, 鹿毛悠冬, 清水宗治, 古田弘幸, 中野幸二, 今任稔彦
- K2019 フロー電気化学発光によるピレンとベリレンの有機ラジカルイオンの吸収スペクトル検出法の開発(九大院工) 石松亮一, 中野幸二, 今任稔彦
- Y2147 気節-非相分離フィードバック制御フローレイシオメトリの各種酸塩基滴定への応用(徳島大薬・徳島大院医歯薬(薬)) 平坂知子, 岡佐和子, 竹内政樹, 田中
- Y2148 イミダクロプリド光分解物の同定による蛍光 FIA 法の最適化(中部大応生・一般財団法人 食品分析開発センターSUNATEC) 八木啓介, 堤内要, 菊川浩史, 山本敦
- Y2149 高濃度試料の分析を目的とする三角波制御フロー分析法の開発(徳島大薬・徳島大院医歯薬(薬)) 富山絵里奈, 和田莉緒菜, 竹内政樹, 田中秀治
- Y2150 海水や大気中のジメチル硫黄化合物のシーケンシャル分析(熊本大院自然・熊本大院先端・三菱ケミアナ) 岡根大記, Edwin Koveke, 長畑孝典, 林則夫, 大平慎一, 戸田敬
- Y2151 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: 実試料分析への応用(富山大院理工(工)・The University of Melbourne) 樋田築, 南千香子, 大嶋卓巳, 源明誠, 加賀谷重浩, Robert W. Cattrall, Spas D. Kolev
- 第 54 回フローインジェクション分析講演会
岡山理科大学 (岡山市) 2017 年 12 月 1 日
- S1 Development of Highly Efficient Nebulizer of ICP-MS and Organic Polymer Monolithic Column for On-line Solid Phase Microextraction of Trace Elements in Environmental Water Samples (Fac. Sci., Brawijaya Univ.・RCASMT, Brawijaya Univ.) Akhmad Sabarudin
- S2 生体・環境分子を観察するための赤外超解像顕微鏡の開発(岡山理大理) 酒井誠
- S3 フローインジェクション分析 その公定法化への道のり(千葉大) 小熊幸一
- S4 現場での環境計測を目指したペーパー分析デバイスの開発(岡山大院自然) 金田隆
- I1 液液界面における多岐高分子の分子包接挙動と分離試薬への応用(岡山理大理) 坂江広基
- O1 種々の検出器を備えた流れ系分析法—イオン電極検出から電気化学発光検出—(九大院工) 今任稔彦
- O2 MEMS と flow-based 環境分析デバイス(熊本大院先端) 戸田敬
- O3 SIA による栄養塩分の分析(高知大地域連携・小川商会・MGC JAPAN・高知大農・岡山大) 樋口慶郎, 吉金優, 島村智子, 本水昌二

- O4 過酸化水素のフロー分析における Ti-PAR 試薬の検出特性評価(東京薬大・東北大多元研)高村喜代子, 松本高利
- O5 逆相系固相抽出用吸着分離剤の高性能化(愛知工大)青柳拓哉, 三木雄太, 富田博貴, 村上博哉, 井上嘉則, 手嶋紀雄
- O6 SIEMA 法によるアルデヒド類およびアセトンのオンライン誘導体化/HPLC(愛知工大)加藤大貴, 村上博哉, 手嶋紀雄
- O7 ESI-MS によるケイ酸定量のための前処理用電気透析装置の開発(群馬大院理工・神戸大海事)石原れい子, 佐藤記一, 角田欣一, 堀田弘樹
- O8 溶存イオン抽出と長光路吸光度検出による Cr(VI)の高感度検出(熊本大院先端・熊本大理・熊本大院自然)大平慎一, 千葉美月, Willy Cahya Nugraha, 戸田敬
- O9 モバイル化学分析:多成分測定を志向したコンピュータ制御自動化分析法の開発(Dept. Chem., Brawijaya Univ.・高知大・岡山大・山梨大生命環境・岡山大院自然)Lukman Hakim, 樋口慶郎, 本水昌二, 鈴木保任, 金田隆
- O10 逐次抽出法による化学形態別分析からみる群馬県赤城大沼の土壌及び水生生物の放射性セシウムの動態挙動(高知大理工・群馬大院理工・群馬県水試・国立環境研)森勝伸, 權田貴裕, 角田欣一, 鈴木究真, 湯浅由美, 新井肇, 渡辺峻, 久下敏宏, 野原精一, 板橋英之
- O11 HILIC-ESI-MS/MS を用いた DNA 付加体定量分析法の高感度化(愛知工大・岐阜薬大・京大院薬)村上博哉, 堀場瑠璃, 吉元亜希子, 宇野文二, 石濱泰, 江坂幸宏, 手嶋紀雄
- P1 LED を光源とする 4 波長吸光度検出器とマイクロリングポンプを用いる簡易なフローインジェクション分析装置の開発(山梨大院生命環境・山梨大院総合研究・岡山大インキュベーション・山梨大教)谷田紗英, 鈴木保任, 本水昌二, 山根兵, 川久保進
- P2 ピレンおよびペリレンの電気化学発光時間分解スペクトル(九大院工)石松亮一, 中野幸二, 今任稔彦
- P3 BODIPY 誘導体による電気化学発光のフロー分析用光源への応用(九大院工)新宅浩聡, 石松亮一, 中野幸二, 今任稔彦
- P4 フィードバック/固定三角波制御フローレイシヨメトリーの局方医薬品定量への応用(徳島大院薬・徳島大医歯薬)○柿内直哉, 竹内政樹, 田中秀治
- P5 直接膜乳化法を用いた吸着分離剤合成法の開発(愛知工大)三木雄太, 村上博哉, 井上嘉則, 手嶋紀雄
- P6 Wet denuder/particle collector による富士山頂における揮発性カルボニル化合物の分析(熊本大院自然・熊本大理・熊本大院先端・徳島大院医歯薬・早大院創造理工)光石夏澄, 岩崎真和, 井上広太郎, 井本ゆりか, 平美咲, 大平慎一, 竹内政樹, 大河内博, 戸田敬
- P7 フィールド分析用 micro wet denuder を目指した表面改質(熊本大院自然・熊本大院先端機械シス・熊本大院先端理学系)岩崎真和, 井本ゆりか, 中島雄太, 大平慎一, 戸田敬
- P8 全血一滴中のアンモニアとクレアチニン分析を目的としたマイクロチップデバイスの開発(熊本大院自然・熊本大院先端機械シス・熊本大院先端理学系)井本ゆりか, 西山寛華, 中島雄太, 大平慎一, 戸田敬
- P9 シーケンシャル反応気化法による海水と大気中ジメチル硫黄化合物の連続分析(熊本大院自然・三菱ケミナ・熊本大院先端)岡根大記, Edwin P. Kovekel, 長畑孝典, 林則夫, 大平慎一, 戸田敬
- P10 連続流れ分析法を用いた海水栄養塩測定の精確さ(産総研計測標準)チョン千香子
- P11 粒子酸化能の連続観測装置の開発に向けた取り組み(産総研計測標準)チョン千香子, 藤谷雄二, 萩野浩之, 五十嵐康人, 梶野瑞王, 大畑昌輝
- P12 ふっ化物イオンの FIA 分析における共存イオンの影響(三菱ケミカルアナリティック)酒井康成, 長畑孝典, 大野慎介
- P13 Speciation analysis of Cr(III) and Cr(VI) with simultaneous matrices isolation, and separation by means of electrodialytic ion transfer for continuous soil extract analysis (GSST, Kumamoto Univ.・熊本大院自然)Willy Cahya Nugraha, Shin-ichi Ohira, Kei Toda
- P14 液体クロマトグラフフローアナリシスシステムを用いた二酸化チタン光触媒材料の性能評価(群馬大院理工)小林健太朗, 杉田剛, 小林謙一, 山崎太樹, 森勝伸, 板橋英之
- P15 HPLC 電気化学検出におけるトラックエッチ膜フィルター電極の適用について(徳島大院理工・徳島大院医歯薬)西森大地, 竹内政樹, 高柳俊夫, 水口仁志
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