

学会情報 (2014. 6～2014. 11)

(徳島大院HBS(薬)) 竹内 政樹

セパレーションサイエンス' 2014

幕張メッセ国際会議場(千葉県千葉市) 2014 年 9 月 5 日
特別講演 オンラインカラム分離一分光検出を用いたフロー
インジェクション分析(千葉大) 小熊幸一

日本分析化学会第 63 年会

広島大(東広島市) 2014 年 9 月 17-19 日

N1004 磁気ビーズインジェクション法によるフローイムノアッセイ
(九大院工) 今任稔彦

N1005 Fabrication of an electrochemical detector by a screen
printing method on a compact disk-type microfluidic
platform and its performance (Chulalongkorn Univ.・
Kyushu Univ.) Poomrat Rattanasat, Prinjaporn Teengam,
Chailapakul Orawon, Ryoichi Ishimatsu, Koji Nakano,
Toshihiko Imato

N1006Y スパイラル状流路を持つ CD 型流体基板上での蛍光
イムノアッセイ(九大院工) 田上裕典, 石松亮一, 中野幸
二, 今任稔彦

N1007 化学センサを検出器とするフロー分析法の開発(芝浦
工大) 正留隆

N1008 トラックエッチ膜フィルター電極を搭載したフロー電解セ
ルと流れ分析への応用(山形大院理工) 水口仁志

N2001 流れ分析による低侵襲な化学診断法の創成(愛知工
大) 手嶋 紀雄

N2002Y 雨水中アクロレインのフローインジェクション分析(愛知
工大・シグマ環境工学研) 山口尚彦, 村上博哉, 手嶋紀
雄, 西川治光, 酒井忠雄

N2003Y Automated pre-treatment system for the determination
of metal ions with an on-line pre-concentration column
by GFAAS (Aichi Tech) Alejandro Ayala, Georgia
Giakisikli, Junpei Tanaka, Hiroya Murakami, Tadao
Sakai, Norio Teshima

N2004 FIA と SIA の比較: JIS K0102 の測定項目について(そ
の1)(高知大・小川商会・岡山大・高知大農) 樋口慶郎,
本水昌二, 島村智子, 受田浩之

N2005 間欠流れ分析法による多成分の同時・順次測定(Dept.
Chem. Brawijaya University・岡山大・岡山大インキュベ
ータ・山梨大院医工・山梨大院医工) Hakim, Lukman,
本水昌二, 鈴木保任, 川久保進

N2006 実用化を志向した高機能フローインジェクション分析シ
ステムの開発(小川商会) 樋口慶郎

N2007 キレストファイバーによる濃縮を利用した鉄鋼試料中の
微量ホウ素のフローインジェクション分析(日大院理工・
日大理工) 佐竹康次郎, 櫻川昭雄

N2008 流れ分析法による高塩濃度試料中のフッ素化合物の定
量(横浜国大) 尾崎成子, 中村栄子

N2009 火力発電排水中セレンをモニタリングするシーケンシャ
ル前処理-水素化物発生-化学発光分析(熊本大院
自然・電中研) 江副健太郎, 大山聖一, 大平慎一, 戸田
敬

N2010Y マイクロイオン抽出デバイスによる血液1滴中無機陰イ
オンの直接分析(熊本大院自然) 中村行秀, 前田史織,
西山寛華, 大平慎一, 戸田敬

N3001 カーボンナノドットを用いたフロー電気化学発光の基礎
検討流れ分析による低侵襲な化学診断法の創成(九大
院工) 石松亮一, 中野幸二, 今任稔彦

Y1094 オンラインフローアナリティカルシステムを用いる光触媒

性能評価法の開発(群馬大院理工・中央大理工) 杉田
剛, 森勝伸, 藤井謙伍, 片山建二, 板橋英之

Y1131 振幅変調多重化フロー分析法; 内標準法の導入の検討
(徳島大院薬・徳島大薬・徳島大院 HBS) 大楠剛司, 尾
崎真理, 竹内政樹, 田中秀治

Y1132 オールインジェクション法を用いた重金属の逐次抽出
(群馬大院理工) 佐々木将哉, 森勝伸, 板橋英之

Y1133 縮合リン酸の酸加水分解に対する金属イオンの影響; フ
ローインジェクション分析法による評価(徳島大・徳島大
院 HBS(薬)) 宮崎亜珠美, 竹内政樹, 田中秀治

Y1134 ミセル濃縮を利用した振幅変調フロー分析法(徳島大・
徳島大院 HBS(薬)) 内本勝也, 竹内政樹, 田中秀治

Y1135 相分離現象によって生じる第二液体相からの生物粒子
単離法(福島大理工・福島大環境放射能研) 岡本香奈,
高貝慶隆

P3124 酵素反応を用いるリジン・アスパラギンのフロー分析に
おける条件検討(広島市大社連セ) 釘宮章光, 深田理
恵, 馬部文恵

P3128 陽イオン性界面活性剤イオンセンサを検出器とする陽イ
オン性界面活性剤のシーケンシャルインジェクション分
析(芝浦工大・九大院工) 正留隆, 倉本康平, 上野直哉,
今任稔彦

P3129 簡易分析用試薬を用いた環境水のフローインジェクショ
ン分析(共立理化学研・小川商会) 上田実, 石井誠治,
岡内俊太郎, 岡内完治, 樋口慶郎

P3130 コンピュータ制御全自動固相抽出法を併用するスペシ
エーション(Dept.Chem. Brawijaya University・岡山大・
岡山大インキュベータ・岡山大院自然) Hakim, Lukman,
本水昌二, 金田隆

19th International Conference on Flow Injection Analysis and Related Techniques

Fukuoka, Japan, November 30 - December 5, 2014

IL1 Gary D. Christian (University of Washington, USA)
Talanta, JFIA, and ICFA - a history

IL2 Marek Trojanowicz (University of Warsaw, Poland) Flow
Analysis as Advanced Branch of Flow Chemistry

IL3 Yanlin Zhang, Manuel Miro, Spas D. Kolev (The
University of Melbourne, Australia) Hybrid Flow System
Integrating On-Line Leaching and Membrane Separation
for Automatic Dynamic Fractionation and Speciation of
Inorganic Arsenic in Environmental Solids

IL4 António O. S. S. Rangel (Universidade Católica
Portuguesa/Porto, Portugal) Flow Analysis Approaches to
Handle Saline Water Samples

IL5 Víctor Cerdà, Juan Luis Cerdà (University of the Balearic
Islands, Spain) Optimization of Analytical Techniques
Using the Gradient and Simplex Methods

IL6 Kate Grudpan (Chiang Mai university, Thailand) (Flow
Based) Chemical Analysis Employing
Material/Phenomena Available Naturally with Green
Approaches

IL7 Meng Meng Wang, Ting Yang, Mingli Chen, Jianhua
Wang (Northeastern University, China) Cell
Manipulation by Genetic Engineering Approach for
Highly Selective Uptake of Metal Species

IL8 Manuel Miró (University of the Balearic Islands, Spain)

- Coupling of Microdialysis Sampling with Advanced Flow Methodology for Determination of Trace Elements in Soil Environments
- IL 9 Kazuhisa Yoshimura, Sarenqi qige, Shiro Matsuoka (Kyushu University, Japan) Analytical Application of Solid Phase to Flow Trace Analysis
- IL10 Jin-Ming Lin (Tsinghua University, China) Chemiluminescences from the Decomposition of Peroxymonocarbonate, Peroxomonosulfate or Peroxynitrous Acid and Their Application in Flow Injection Analysis
- IL11 Purnendu K. Dasgupta, Bingcheng Yang, Min Zhang, Tinakorn Kanyanee, Brian N. Stamos, Weixiong Huang (The University of Texas at Arlington, USA) An Ion Chromatograph for Extraterrestrial Explorations. A Mission to Mars
- IL12 Paweł Kościelniak, Marcin Wieczorek, Joanna Kozak, Paweł Świt (Jagiellonian University in Krakow, Poland) Generalized Calibration Strategy – Theory and Practice
- IL13 Petr Solich, Petr Chocholouš, Dalibor Šatinský, Hana Sklenářová (Charles University in Prague, Czech Republic) Sequential Injection Chromatography - How Important is the Stationary Phase?
- IL14 Orawon Chailapakul (Chulalongkorn University, Thailand) Macro/Micro Flow-Based Analysis Coupled with Electrochemical Detection
- 101 Jaroon Jakmunee, Sujitra Funsueb (Chiang Mai University, Thailand) Small Scale Method Based on Flow Injection Colorimetry for Determination of Soil Organic Matter
- 102 Orawan Kritsunankul, Sunisa Thapseang, Chanyud Kritsunankul, Jaroon Jakmunee (Naresuan University, Thailand) Determination of Chemical Oxygen Demand of Wastewaters by Multicommutated Injection Spectrophotometric System with an On-Line UV Photooxidation
- 103 Yongliang Yu, Mingli Chen, Jianhua Wang (Northeastern University, China) Dielectric Barrier Discharge-Optical Emission Spectrometric System and Its Application in Analyzing Trace Elemental Species
- 104 Hermin Sulistyarti, Spas Kolev, Atikah (University of Brawijaya, Indonesia) A Simple Flow Injection-Spectrophotometric Method for Iodide Determination Based on the Formation of Blue Starch-Iodine Complex
- 105 Kin-ichi Tsunoda, Hirochika Kojima, Shota Kurihara, Yoshito Watanabe, Koki Iwamaru, Kiichi Sato (Gunma University, Japan) A New Determination Method of Inorganic Ions Using Electrospray Ionization Mass Spectrometry
- 106 Kei Toda, Kentaro Ezoe, Satoshi Iyadomi, Shin-Ichi Ohira (Kumamoto University, Japan) Sequential Analysis of Dissolved Dimethyl Sulfide and Imethylsulfoniopropionate in Seawater by Using Ion-Molecule Reaction-Mass Spectrometer
- 201 Kiyoko Takamura, Takatoshi Matsumoto (Tokyo University of Pharmacy and Life Sciences, Japan) How to Avoid the Photo-Sensitizing Effect of Porphyrin Complex Reagent on the Flow Injection Analysis of Hydrogen Peroxide
- 202 Norio Teshima, Mami Kuzuya, Masahiro Tsuge, Shuhei Kamiya, Tadao Sakai (Aichi Institute of Technology, Japan) Flow Injection Analysis of Phosphorus in Iron and Steel
- 203 Bohdan Josypcuk, Oksana Josypčuk (J. Heyrovsky Institute of Physical Chemistry of AS CR, Czech Republic) Electrochemical Biosensors in Flow Systems Based on Detection of Reduction Processes
- 204 Chang Xia, Yan Sun, Cuibo Gu, Mingli Chen, Jianhua Wang (Northeastern University, China) □-FeOOH Decorated Carboxylic Graphene Oxide for Arsenic Removal from Water and Arsenic Proconcentration at Ultra-Trace Level
- 401 Masaki Takeuchi, Kiichi Ishimine, Naoyuki Miki, Yuki Miyazaki, Hideji Tanaka (The University of Tokushima, Japan) Nafion Tube-Based Carbonate Removal Device for Ion Chromatography
- 402 Shin-Ichi Ohira, Koretaka Nakamura, C. Phillip Shelor, Purnendu K. Dasgupta, Kei Toda (Kumamoto University, Japan) Electrodialytic Separation and Preconcentration for Chromium Speciation Analysis
- 403 Yasuhiro Iida, Ikuo Satoh (Kanagawa Institute of Technology, Japan) Development of High Sensitive and Wide Range Determination System for L-Ascorbate Using an FIA Based Electrolytic Device
- 404 Shoji Motomizu, Lukman Hakim, Keiro Higuchi, Yasutada Suzuki, Susumu Kawakubo (Okayama University, Japan) Computer-Controlled Intermittent Flow System for Multi-Component Detection/Mobile Chemical Analysis (MCD/MCA)
- 405 Jessica Avivar, Laura Ferrer, Víctor Cerdá (University of the Balearic Islands, Spain) Smart Systems: A Step Forward in Automation
- 406 Gulnara Safina, Tereza Stipkova, Jun Wang, Jenny Bergman, Wolfgang Harreither, Lo Gorton, Andrew Ewing (University of Gothenburg, Sweden) Amperometric Enzyme Biosensor Based on Nanostructured Material for Flow-Injection Analysis of Glucose
- 407 Yasushi Hasebe, Yue Wang, Yugo Kikuchi (Saitama Institute of Technology, Japan) Flow Amperometric Inhibition Type Biosensor Using Tyrosinase-Modified Carbon-Felt
- 501 Graham Marshall, David Holdych, Clark Ingulsrud, Don Olson, Duane Wolcott (Global FIA, Fox Island, USA) Pedagogical and Research Tool for SIA, LOV and Zone Fluidics
- 502 Hitoshi Mizuguchi, Naoto Yoshikawa, Kentaro Numata, Shinya Sato, Tomomi Sato, Takuya Henmi, Genki Hayakawa, Masamitsu Iiyama (Yamagata University, Japan) Electrochemical Determination of Arsenite Using a Track-Etched Microporous Membrane Electrode in a Flow System
- 503 Rattikan Chantiwas, Natta Wiriyakun, Duangjai Nacapricha (Mahidol University, Thailand) Simple and Low Cost Fabrication of Cross PMMA Microchannels using In-house Hot Embossing Method and the Utilization of Microelectrophoresis Separation
- 504 Edgar F. Paski (British Columbia Institute of Technology, BC Canada) Is My Calibration OK?
- 505 Duangjai Nacapricha, N. Choengchan, T. Mantim, P. Inpota, P. Wilairat, P. Jittangprasert, W. Waiyawat, S. Fucharoene, P. Sirankprachae, N. Phumala Morales (FIRST labs, Mahidol University, Thailand) Simultaneous Determination of Iron and Creatinine in Urine from Thalassemic Patients by Cross Injection Analysis

- 5O6 Masanobu Mori, Toshinobu Suzuki, Hideyuki Itabashi (Gunma University, Japan) Flow Analytical System of Heavy Metal Ions Using Calcium Alginate-Modified Silica Gel Packed Column
- 1YO1 Andrey Bulatov, Anastasia Petrova, Andrey Vishnikin, Leonid Moskvina, Ryoichi Ishimatsu, Koji Nakano, Toshihiko Imato (Saint Petersburg State University, Russia) Microfluidic Device Based on Stepwise Injection Analysis
- 1YO2 Nuanlaor Ratanawimarnwong, Thanakorn Pluangklang, Duangjai Nacapricha, Prapin Wilairat (Firstlabs, Srinakharinwirot University, Thailand) New Membraneless Vaporization Unit with Fully Automatic Control of Liquid Handling, Aeration and Air-Vent for Analysis of Volatile Compounds
- 1YO3 Warunya Boonjob, Hana Sklenářová, Petr Solich, Leon Barron, Norman Smith (Charles University in Prague, Czech Republic) Sequential Injection into Renewable Bead Sorbent Materials for Solid-Phase Extraction with Direct Coupling of Liquid Chromatography to Tandem Electrospray Mass Spectrometry
- 1YO4 Fernando Maya, Carlos Palomino, Sabrina Clavijo, José Manuel Estela, Gemma Turnes, Víctor Cerdà (University of the Balearic Islands, Spain) Flow-Based Preparation of Porous Coordination Polymer Coatings
- 1YO5 Fan Yang, Hiroaki Yoshioka, Kinichi Morita, Yuji Oki (Kyushu University, Japan) A New Design of PDMS Monolithic Optical System as “Bit-Oriented Optical Fabrication”
- 1YO6 Noboru Hirakawa, Mitsuhiro Nakano, Hiroaki Yoshioka, Yuji Oki (Kyushu University, Japan) Lasing with Whispering-Gallery Modes from On-Site Microrods Device Fabricated by Micro Dispensing Technique
- 1YO7 Mitsuhiro Nakano, Noboru Hirakawa, Hiroaki Yoshioka and Yuji Oki (Kyushu University, Japan) Micro MOPA System Fabrication by Micro-dispensing Method
- 1YO8 Wasin Wongwilai, Kanokwan Kiwfo, Tadao Sakai, Norio Teshima and Kate Grudpan (Chiang Mai University, Thailand) Chemical Analysis with Microfluidics Approaches Employing Cotton Cloth, Paper and Simple Plant Extract: A Common Modern Analytical Science Employing Traditional and Culture Links of Japan and Thailand
- 1YO9 Mahmoud El-Maghrabey, Naoya Kishikawa, Kaname Ohyama, Naotaka Kuroda (Nagasaki University Japan and Mansoura University, Egypt) FIA Method for Semicarbazide-Sensitive Amine Oxidase Activity in Human Serum Using an Online Reaction Between The Enzymatically Produced Benzaldehyde and 1,2-Diaminoanthraquinone
- 2YO1 Akhmad Sabarudin, Tomonari Umemura, Setyawan P. Sakti, Elvina D. Iftitah, Shoji Motomizu (Brawijaya University, Indonesia) Development of Flow-Based Analytical Methods for Analytical and Bioanalytical Applications
- 2YO2 Julaluk Noiphung, Wanida Laiwattanapaisa, Pannawich Thirabowonkitphithan, Naricha Pupinyo (Chulalongkorn University, Thailand) Simultaneous Human ABO and Rh Blood Typing by Paper-Based Assay
- 2YO3 Wasin Wongwilai, Kitti Phojuang, Siraprapa Wattanakul, Supara Grudpan, Kate Grudpan (Chiang Mai university, Thailand) Analytical Chemistry Made Easy with Every Day Modern IT for Flow Based and Down Scaling Analysis
- 2YO4 Temsiri Songjaroen, Julaluk Noiphung, Wanida Laiwattanapaisa, Wijitar Dungchai, Orawon Chailapakul, Charles S. Henry (Chulalongkorn University, Thailand) Microfluidic Paper-Based Analytical Devices for Whole Blood Separation Based On Wax Dipping Method
- 2YO5 Raquel B. R. Mesquita, Maria Rangel, António O. S. S. Rangel (Universidade Católica Portuguesa/Porto, Portugal) Exploring 3-Hydroxy-4-Pyridinone Chelators as Low Toxicity Chromogenic Reagents for Iron Determination in Natural Waters
- 2YO6 Kamila Kołacińska, Anna Bojanowska-Czajka, Marek Trojanowicz (Institute of Nuclear Chemistry and Technology, Poland) Determination of ⁹⁰Sr Using MSFIA-LOV System with ICP-MS Detection
- 2YO7 Burkhard Horstkotte, Petr Chocholouš, Ondřej Bešťák, Petr Solich (Charles University in Prague, Czech Republic) Continuing the Exploration of In-Syringe Stirring: Applications beyond Dispersive Liquid-Liquid Micro-Extraction
- 2YO8 S. Sofia M. Rodrigues, Diego R. Prieto, David S.M. Ribeiro, Enrique Barrado, João A.V. Prior, João L.M. Santos (University of Porto, Portugal) Fluorescence Quenching of CdTe Quantum Dots Induced by EDTA for Free Ca²⁺ Determination
- 2YO9 Kamil Strzelak, Lukasz Tymecki, Jagoda Misztal (University of Warsaw, Poland) Multicommutated Flow Analysis System for Microproteinuria Diagnostics.
- 2YO10 Piyawan Phansi, Camelia Henríquez, Edwin Palacio, Duangjai Nacapricha, Víctor Cerdà (Mahidol University, Thailand) Automated in-chip-catalytic-spectrophotometric method for determination of copper(II) using a multisyringe flow injection analysis-multipumping flow system (Chip-MSFIA-MPFS)
- 2YO11 Tamer H.A. Hasanin, Yasuaki Okamoto, Terufumi Fujiwara (Hiroshima University, Japan, and Minia University, Egypt) Automated Method for the Selective Determination of Gold (III)/Gallium (III) Binary Mixtures by On-Line Solvent Extraction and Reversed Micellar Mediated Chemiluminescence Detection Using Rhodamine B
- 2YO12 Adlin N. Ramdhan, Marcelo V. Osório, M. Inês G. S. Almeida, Spas D. Kolev, Marcela A. Segundo (The University of Melbourne, Australia) Determination of Salivary Cotinine via Automatic Solid Phase Extraction Using A Bead-Injection Lab-On-Valve Approach Hyphenated to Hydrophilic Interaction Liquid Chromatography
- 2YO13 I.A. Owolabi, K.L. Mandiwana, N. Panichev (Tshwane University of Technology, South Africa) Speciation of Vanadium in Environmental Samples from Selected Farms in the Vicinity of Vanadium Plant
- 4YO1 Petr Chocholouš, Carolina C. Acebal, Hana Sklenářová, Dalibor Šatinský, Petr Solich (Charles University in Prague, Czech Republic) Gradient Elution Mode in Sequential Injection Chromatography
- 4YO2 Weena Siangproh (Srinakharinwirot University, Thailand) Applications of Electrochemical Sensors for Flow-Based Systems
- 4YO3 Kan Hyo, Masahiko Hashimoto, Kazuhiko Tsukagoshi (Doshisha University, Japan) The Elution Behavior of Proteins in Tube Radial Distribution Chromatography (TRDC)
- 4YO4 Alejandro Ayala, Hiroya Murakami, Norio Teshima, Tadao Sakai, Shoji Motomizu (Aichi Institute of

- Technology, Japan) Catalytic Determination of Vanadium and Iron by Simultaneous Injection Effective Mixing Analysis System
- 4YO5 Sarawut Somnam, Siripong Phakaew, Miki Kanna, Kate Grudpan (Chiang Mai Rajabhat University, Thailand) Speciation of Fe(II) and Fe(III) by Using a Natural Reagent Extracted from Guava Leaf
- 4YO6 Satoshi Fujinaga, Masahiko Hashimoto, Tsukagoshi Kazuhiko, Jiro Mizushima (Doshisha University, Japan) Inner and Outer Phase Formation in TRDP Using Two-phase Separation Mixed Solvent Systems
- 4YO7 Yuki Shiraishi, Ayumi Koike-Takeshita, Akira Yamamura, Jyun-ichi Yamaguchi, Yasuhiro Iida (Kanagawa Institute of Technology, Japan) Development of Evaluation System of β -Secretase Activity in Combination with a Immobilized Recombinant Fusion β -secretase and a Flow System
- 1P1 Christina Vakh, Aleksey Pochivalov, Ekaterina Evdokimova, Dmitry Virki, Andrey Bulatov (Saint Petersburg State University, Russia) Flow System Based On Sandwich Technique for Determination of Iron and Ascorbic Acid In Pharmaceutical Formulations
- 1P2 Takashi Masadome, Hiroaki Arai, Toshihiko Imato (Shibaura Institute of Technology, Japan) Determination of Anionic Surfactants in Environmental Samples Using Sequential Injection Analysis with a Microfluidic Polymer Chip with an Embedded Ion-Selective Electrode Detector
- 1P3 Takashi Masadome, Shota Oguchi, Teruyuki Kobayashi (Shibaura Institute of Technology, Japan) Flow Injection Spectrophotometric Determination of Polyhexamethylene Biguanide Hydrochloride in Contact-Lens Detergents
- 1P4 Joanna Kozak, Agnieszka Polak, Justyna Paluch, Marcin Wieczorek, Paweł Kościenlniak (Jagiellonian University in Krakow, Poland) Sequential Injection Systems for Simultaneous Determination of Fe(II)/Fe(III) and Cr(III)/Cr(VI)
- 1P5 Natcha Kaewwonglom, Jaroorn Jakmunee (Chiang Mai University, Thailand) Sequential Injection Colorimetric System for Determination of Total Iron and Manganese in Water Samples
- 1P6 José Martín Rosas Castor, Lindomar Portugal, Laura Ferrer, Laura Hinojosa-Reyes, Jorge Luis Guzmán-Mar, Aracely Hernández-Ramírez, Víctor Cerdà (University of Balearic Islands, Spain) Bioavailable Arsenic Evaluation from Agricultural Soils by Continuous-Flow Sequential Extraction Method Assisted by Photo-Oxidation
- 1P7 Fatima Zohra Abouhiat, Camelia Henriquez, Victor Cerdà (University Abdelmalek Essaadi, Morocco) Kinetic-Catalytic Method for the Simultaneous Determination of Iron and Copper Using a Monolithic Flow Conduit Coupled to MPFS
- 1P8 Prakrit Chuntib, Jaroorn Jakmunee (Chiang Mai University, Thailand) Development of Flow Injection Colorimetric Method for On-Line Determination of Paraquat in Natural Water
- 1P9 Sudkate Chaiyo, Weena Siangproh, Orawon Chailapakul (Chulalongkorn University, Thailand) A Colorimetric Method for Highly Selective and Sensitive Detection of Copper by Microfluidic Paper-Based Analytical Device Using Silver Nanoplates
- 1P10 Hirochika Kojima, Koki Iwamaru, Kiichi Sato, Kin-ichi Tsunoda (Gunma University, Japan) Determination of Silicic Acids by Electrospray Ionization Mass Spectrometry Using Dehydration Reaction at the Interface
- 1P11 Akira Yanaga, Shin-Ichi Ohira, Asako Hasegawa, Kei Toda (Kumamoto University, Japan) Formaldehyde Produced from Pesticide and Hexamethylenetetramine: Simultaneous Analysis of Gaseous Formaldehyde and Ozone for Chamber Experiment
- 1P12 Panwadee Wattanasin, Chak Sangma, Prapin Wilairat, Duangjai Nacapricha, Peter A. Lieberzeit (Flow Innovation-Research for Science and Technology Laboratories, Thailand) Developing a Rapid Analysis Technique for Corticosteroid Adulteration of Thai Herbal Drugs Based on Molecular Imprinting
- 1P13 Marta Fiedoruk, Robert Koncki (University of Warsaw, Poland) Multicommutated Flow Analysis System for Hyperphosphatemia Diagnostics
- 1P14 Marta Fiedoruk, Robert Koncki (University of Warsaw, Poland) Multicommutated Flow Analysis Systems for Enzymatic Determination of Disaccharides
- 1P15 Nathawut Choengchana, Prawpan Inpota, Noppadol Maneerat, Prapin Wilairat, Duangjai Nacapricha (Flow Innovation-Research for Science and Technology Laboratories, Thailand) A Cross Injection System for Simultaneous Determination of Glucose, Albumin and Creatinine in Urine from Diabetic Patients
- 1P16 Kittiwut Khamtau, Phoonthawee Saetear, Thitirat Mantim, Nuanlaor Ratanawimarnwong, Kanchana Uraisin, Duangjai Nacapricha (Flow Innovation-Research for Science and Technology Laboratories, Thailand) Simultaneous Measurements of Salinity, Sulfate and Phosphate Using a Sequential Injection System Equipped with a Single PEDD Detector
- 1P17 Waleed Al-Ahmad, Thanakorn Pluangklang, Thitirat Mantim, Nuanlaor Ratanawimarnwong, Prapin Wilairat, Duangjai Nacapricha (Flow Innovation-Research for Science and Technology Laboratories, Thailand) Membraneless Vaporization with a Contactless Conductivity Based-Detection for Simultaneous Determination of Ammonium and Sulfide in Waters and Wastewaters
- 1P18 Andrea C. Galvis-Sánchez, João Rodrigo Santos, António O.S.S. Rangel (Universidade Católica Portuguesa/Porto, Portugal) Development of a Solid-Liquid Extraction Chamber for Flow Systems. Application to the Analysis of Coffee Acidity
- 1P19 David Cocovi-Solberg, Manuel Miró (University of the Balearic Islands, Mallorca) CocoSoft: Versatile Software for Automation of Flow-Based Methodology
- 1P20 Shigehiro Kagaya, Takumi Ohshima, Chikako Minami, Makoto Gemmei-Ide, Robert W. Catrall, Spas D. Kolev (University of Toyama, Japan) A Polymer Inclusion Membrane-Coated Column for Analyte Preconcentration in Flow Injection Analysis: Determination of Trace Amounts of Thiocyanate
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