<タイトルサービス>

学会情報（2012.6～2012.11）

（徳島大院HBS（薬）） 竹内 政樹

Separation Sciences 2012
北とぴあ（東京都北区）2012 年 7 月 19，20 日

SO1 イオンセンサを組み込んだマイクロチップを検出器とする流れ分析（芝浦工業大）正留隆
GO2 オールインジェクション法を用いた土壌試料中の重金属のスペシエーション（群馬大院工）森勝伸，板橋英之
GO3 電気透析による溶存イオン分析のためのマトリックス分離とインライン濃縮（熊本大理）大平慎一，久原健太，幸田匠，兒玉侑子，中村惟孝，山崎孝幸，戸田敬
GO4 チオシアン酸鉄(III)錯塩を用いるビタミンCの吸光光度 FIA 法（東海大理）赤羽麻美，三浦恭之
GO5 磁気ビーズを用いる光学検出に基づくフローイムノアッセイ（九大院工）郭帥，成瀬梓，石松亮一，中野幸二，今任稔彦
GO6 PVC 型イオン選択性電極を用いる生体サンプル中の金属イオンのフローインジェクション分析（九大院工）石松亮一，中野幸二，今任稔彦

日本分析化学会第 61 年会
金沢大（金沢市）2012 年 9 月 19－21 日

E1003 有機 EL 素子用発光材料による電気化学発光のフロー分析への応用（九大院工，九大 OPERA，早大ナノ理工）石松亮一，杉森康一，中野幸二，今任稔彦，松波成行，江面知彦，笠原崇史，水野潤，安達千波矢
E1004 シーケンシャルインジェクション/SPCE ボルタンメトリー用フローセルの試作（Chulalongkorn University，MGC JAPAN，高知大，岡山大，岡山大院自然）Eakkasit Punrat，Suchada Chuanuwatanakul，Orawon Chailapakul，樋口慶郎，本水昌二，金田隆
E1005 スクリーンプリントカーボン電極（SPCE）を用いる SIA/ボルタンメトリーによるヒ素の高感度定量（Chulalongkorn University，MGC JAPAN，高知大，岡山大，岡山大院自然）Eakkasit Punrat，Suchada Chuanuwatanakul，Orawon Chailapakul，樋口慶郎，本水昌二，金田隆
E1006 マイクロチップ型陰イオン性界面活性剤センサ検出器による陰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，新井博明，古野貴大，今任稔彦
E1007 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の開発と分析化学的応用（山形大院理工，野村マイクロサイエンス）水口仁志，飯山真充，立花和宏，仁科辰夫，志田惇一
E1009 新規高機能フローシステムの開発と実用分析への応用（朝日大経営化学）大野典子
E1011 グリーン分析化学を実現するフローインジェクション分析（徳島大院ソシオテクノ）高柳俊夫
E1019 アゾメチン H 発色－簡易型二流路 FIA によるホウ素の迅速，高感度定量と土壌試験への適用（横国大院環境情報）尾崎成子，辰己美紀，中村栄子
E1020 沿岸海水中に存在する超微量溶存Crの酸化状態別定量（新潟大理，九大院理）荒井貴博，松岡史郎，吉村和久
E1021 コンピュータ制御自動化学分析法による天然水中のクロム（VI）の高感度定量（高知大，MGC JAPAN，岡山大，愛知工大）樋口慶郎，本水昌二，手嶋紀雄，酒井忠雄
E1022 ヒドロキシルアミンとの縮合反応を 用いるアセトンのフローインジェクション吸光光度分析（愛知工大院工）原田恵，手嶋紀雄，酒井忠雄
E1023 フロー化学分析によるヒト代謝物質評価手法の開発（愛知工大）手嶋紀雄
F3003 フローインジェクション-ICPMS 法による環境試料中の微量元素の分析（鹿児島大院理工）南有紀，西村彩，中島常憲，高梨啓和，大木章
H1007 フロー分析用電気化学発光検出の開発とアスコルビン酸分析への応用（岡山大院自然）赤瀬大祐，金田隆
P2014 マイクロフロー全電解を利用した質量分析の検出感度向上に関する検討（奈良教大，群馬大院工，関西大化生工）堀田弘樹，亀山大輔，加東遼，前川奈央，角田欣一，荒川隆一
P2075 マイクロダイアリシス-セミミクロフローインジェクション分析法を利用する Trolox 投与後のラット ex vivo 抗酸化能モニタリング（長崎大院医歯薬総合，長崎国際大薬）和田美暁，池田理恵，和田光弘，黒田直敬，中島憲一郎
P3078 グルタミン酸酸化酵素を封入したアガロース膜を用いたフロー系イメージング法の開発（日大院総合基礎，日大文理）田中和久，東海林敦，菅原正雄
Y1080 リン酸イオンの定量を目的とする気節-非相分離／振幅変調多重化フロー分析法（徳島大院薬，徳島大薬，徳島大院 HBS）大楠剛司，内本勝也，竹内政樹，田中秀治
Y1115 イソプレンのフローインジェクション蛍光光度分析（愛知工大院工）杉山恭一郎，手嶋紀雄，酒井忠雄
Y1173 フロー型水晶振動子マイクロバランス測定装置を用いたウイルス検出手法の開発（東薬大生命）向井友浩，林由香，時下進一，井上弘樹，多賀谷光男，太田敏博，藤原祺多夫，内田達也
Y1177 フロー型水晶振動子マイクロバランス測定装置による機能性タンパク質の吸着評価手法の確立（東薬大生命）秋山勇人，赤沼哲史，山岸明彦，藤原祺多夫，内田達也
Y1114 気節-非相分離／振幅変調多重化フロー分析法によるアンモニウムイオンの定量（徳島大薬，徳島大院 HBS）戌亥孝次，吉田悠，竹内政樹，田中秀治

Flow Analysis XII
Thessaloniki，Greece，September 23-28，2012

OL-1 A generation with flow injection analysis – and passing the torch, Elo Hansen
OL-2 Analytical chemistry and its invisible presence in our everyday life, Jaromir (Jarda) Ruzicka
KL-1 The flow workshop: From the components to the system, Victor Cerdà, Laura Ferrer, Camelia Henríquez, Jessica Avivar
KL-2 Computer-controlled fluid flow chemical analysis (CC-FCA) for toxic elements by voltammetry and spectroscopy, Shoji Motomizu
KL-3 “Messing About in Boats” – Flow Analysis Techniques for underway monitoring of macronutrients in estuarine and marine systems, Ian D. McKelvie, Peter Ellis, Spas D. Kolev and Paul J. Worsfold
KL-4 Investigating the chemistry of the oceans using flow

injection with luminescence detection, Paul Worsfold, Simon Ussher, Rachel Shelley, Marie Séguret, Neil Wyatt, Patricia Cabedo-Sanz, Robert Clough, Malcolm Nimmo, Maeve Lohan

KL-5 What do we not know about optical absorbance measurements?, Purnendu K. Dasgupta

KL-6 Coupling flow analysis to HPLC: past, present and future, Marcela A. Segundo

KL-7 Flow methods in chiral analysis, Marek Trojanowicz, Marzena Kaniewska

IL-1 Tackling the challenges of monitoring dynamic systems by using flow analysis, António O. S. S. Rangel

IL-2 The current role of the mesofluidic lab-on-a-valve platform in (bio)analytical sciences, Manuel Miró

IL-3 Introducing the lab-in-a-syringe concept: An overview about the first applications of in-syringe dispersive liquid-liquid extraction and first application of in–syringe agitation, Burkhard Hortstkotte, Fernando Maya, Ruth Suarez, Michal Alexandrovič, Víctor Cerdà

IL-4 Disposable injection–molded microfludic devices with integrated electrodes for applications in electroanalysis and electrochemiluminescence, Anastasios Economou, P.R. Fielden, N.G. Goddard, S.J. Baldock

IL-5 Sample preparation in flow-injection-ESI-mass spectrometry, Erwin Rosenberg

IL-6 Flow injection chemiluminescence detection for the evaluation of antioxidant activity of natural products, Antony C. Calokerinos, Dionysios Christodouleas, Charalambos Fotakis, Vassiliki Garrifalou, Vassiliki Andreou, Kyriakos Papadopoulos

IL-7 Flow analysis and chemiluminescence: Advances, applications and limitations, Paul Francis

IL-8 Measurements of urinary albumin, bilirubin and creatinine using a novel simultaneous injection effective mixing analysis system, Tadao Sakai, Norio Teshima, Nuanlaor Ratanawimarnwong, Kraingkrai Ponhong, Duangjai Nacapricha, Kate Grudpan, Shoji Motomizu

IL-9 The current status of sequential injection chromatography, where has advanced in ten years?, Petr Solich, Petr Chocholouš, Dalibor Šatínský, Hana Sklenářová

IL-10 Determination of acetaldehyde in saliva by gas-diffusion flow injection analysis, Adlin N. Ramdzan, Patrick J. Mornane, Michael J. McCullough, Spas D. Kolev

IL-11 Evolution of on-line vaporization devices for flow analysis of volatile compounds, Duangjai Nacapricha

IL-12 Flow/sequential injection spectrophotometric determination of phenol index based on the use of a scaled-down distillation system, Norio Teshima, Mai Yamashita, Tadao Sakai, Shinsuke Ohno, Norio Hayashi, Toshio Kaneko

IL-13 Flow analysis in forensic chemistry, Pawel Kościelniak, P. Knihnicki

O-1 Automated magnetic sorbent extraction based on maghemite microparticles in a sequential injection system coupled with ETAAS for metal determination, Georgia Giakisikli, Aristidis Anthemidis

O-2 Preconcentration strategies for the fluorometric determination of trace metals in seawater using bead injection μSI-LOV: Application to dissolved Zn, Maxime Grand, Jaromir (Jarda) Ruzicka, Chris Measures

O-3 Exploiting the lab on valve concept to study the 3,4-HPO chelator as non-toxic reagent for the determination of iron in coastal and inland bathing waters, Raquel Mesquita, Ruth Suarez, Maria Rangel, Adriano A. Bordalo, Víctor Cerdà, António O. S. S. Rangel

O-4 Stepwise injection photometric determination of nickel and copper in the air aerosols, Cristina Fulmes, Olga Yasakova, Elena Freze, Andrey Bulatov, Leonid Moskvin

O-5 On-line liquid phase micro-extraction based on a drop-in-drop sequential injection lab-at-valve system for metal determination, Constantina Mitani, Aristidis Anthemidis

O-6 Continuous-flow fractionation of trace metals and metalloids in environmental solids using rotating coiled column and microcolumn extraction, Petr Fedotov

O-7 Application of Amberlite XAD-16 functionalized with salicylic acid in an on-line preconcentration system for the determination of cadmium by FAAS, Reena Saxena, Suneeti Singh

O-8 High precision pH determination: CCD spectrometer errors, Carsten Frank, Steffen Aßmann

O-9 A new method for simultaneous determination of metal and non-metal anions based on the on-line coupling of ICP-AES to ion chromatography without suppression, George Zachariadis, Eleni Spanou

O-10 Fast potentiometric sensor utilizing interface of two immiscible electrolytes for application in flow analysis, Vera Mansfeldova, Pavel Janda

O-11 Method development for the determination of arsenic by sequential injection/anodic stripping voltammetry using long-lasting gold film-modified screen-printed carbon electrode, Eakkasit Punrat, Takashi Kaneta, Suchada Chuanuwatanakul, Shoji Motomizu, Orawon Chailapakul

O-12 Determination of ultra-trace mercury(II) by on-line anodic stripping voltammetry using a track-etched microporous membrane electrode, Hitoshi Mizuguchi, Chiaki Monma, Kentaro Numata, Masamitsu Iiyama, Kazuhiro Tachibana, Tatsuo Nishina, Junichi Shida

O-13 Performance of a light emitting diode with spectrally narrow emission based on waveguide mode and application to a light source of flow-fluorometry on microchip, Tomoyuki Saito, Ryoichi Ishimatsu, Koji Nakano, Hizuru Nakajima, Katsumi Uchiyama, Masayuki Yahiro, Chihaya Adachi, Toshihiko Imato

O-14 Preconcentration of arsenic in microfluidic device by hexyl acrylate-co-1,3-butanediol diacrylate monolith, Waraporn Threeprom, Napaporn Youngvises, Amorn Chaiyasat

O-15 Alkyl esters of propiolic acid: useful reagents for automated derivatization of thiols, Constantinos K. Zacharis and Paraskevas D. Tzanavaras

O-16 Chemiluminometric determination of tetracyclines antibiotics by means of a combined multi-commutated/multi-pumped flow assembly, José Vicente García Mateo, Piotr Halaburda

O-17 FIA- CL Determination of nitrite via its reaction with sulphanilamide which catalyses the luminol/H2O2 reaction, Kamal Mustafa Mahmoud, Azad T. Faizullah

O-18 Organic photo diode as a detector of fluorescence immunoassay: Flow injection analysis of alkylphenol ethoxylate on a microchip, Azusa Naruse, Ryoichi Ishimatsu, Koji Nakano, Masayuki Yahiro, Chihaya Adachi, Toshihiko Imato

O-19 An environmental friendly flow-based procedure for determination of bisphenol A in tap water using the

inclusion complex with β-cyclodextrin, Alex Domingues Batista, Fábio R. P. Rocha

O-20 Automated selective determination of histamine in seafood samples based on the concept of sequential injection analysis, Paraskevas D. Tzanavaras, Olga Deda, Theano D. Karakosta, Demetrius Themelis

O-21 Crown ethers for flow-injection spectrophotometric determination of dichromate, Nabil Adil Fakhre

O-22 Determination of glutathione in yeasts by hydrophilic interaction chromatography coupled to on-line post column derivatization, Theano D. Karakosta, Paraskevas D. Tzanavaras, Demetrius Themelis

O-23 Individual volatile fatty acid determination by chromogenic derivatization coupled to multi-syringe chromatography, Fabien Robert-Peillard, Jean-Luc Boudenne, Bruno Coulomb

O-24 Flow injection conductometric determination of aspirin using merging zone and stopped-flow technique, Sirwan F. Shawket

O-25 Automatic speciation analysis of waterborne arsenic in troublesome environmental samples exploiting sequential injection pervaporation assays, Warunya Boonjob, Manuel Miró, Spas D. Kolev

O-26 Collection of hydrogen sulfide gas with surface treating annular denuder, Masaki Takeuchi, Masato Izumi, Mizuki Watanabe, Tomoaki Obata, Kei Toda, Hideji Tanaka

O-27 Stepwise injection photometric determination of carbamides in construction materials, Irina I. Timofeeva, Andrey V. Bulatov, Aleksey L. Moskvin, Leonid N. Moskvin

O-28 Various flow manifolds for realization of the generalized calibration strategy, Marcin Wieczorek, Joanna Kozak, Pawel Kościelniak

O-29 New method for spectrophotpmetric determination of total arsenic, arsenic (V) and arsenic (III) by flow-injection analysis, Dakhil N. Taha, Ala'a K. Hashim, Zainab A. AL-Talibi, Yahya F. AL-Khafaji

PA-1 A single-valve sequential injection manifold (SV-SIA) for automation of (dispersive) liquid-liquid microextraction - A stopped-flow spectrophotometric determination of chromium (VI), Michal Alexovič, Vasil Andruch, Ioseph S. Balogh

PA-2 A fully automatic determination of copper by in-syringe dispersive liquid-liquid microextraction using a long path-length spectrophotometric detection, Michal Alexovič, Burkhard Horstkotte, Fernando Maya, Vasil Andruch, Carlos M. Duarte, Víctor Cerdá

PA-3 Determination of tungsten by sequential injection analysis, Martina Lešková, Yaroslav Bazel, Vasil Andruch

PA-4 Extractive determination of iodide using a combined sequential injection system, Mária Kozmová, Jana Šandrejová, Vasil Andruch, Hana Sklenářová, Petr Solich, Ioseph S. Balogh, Yaroslav Bazeľ

PA-5 Flame atomic absorption determination of silver after Cloud-point extraction/preconcentration flow injection method using 2-[(2-mercaptophenylimino) methyl] phenol and Triton X-114, Neda Baghban, Alimohamad Haji Shabani, Shayesteh Dadfarnia, Abbasali Jafari

PA-6 Recent applications concerning FIA of metal-containing biomolecules (metallomics), Christos Vogiatzis, George Zachariadis

PA-7 Study of carboplatin interactions with DNA nucleosides using LCMS-IT-TOF, Christos Vogiatzis, Erwin Rosenberg, George Zachariadis

PA-8 Critical comparison between microdialysis and microfiltration as sampling techniques for evaluation of kinetic extraction profiles in single extraction protocols of trace elements in soils, David J. Cocovi-Solberg, María Rosende, Manuel Miró

PA-9 Development of an analytical procedure for vanadium (IV) determination in freshwater employing a multicommuted flow analysis approach and a LED based photometer, Tuanne R. Dias, Marcos Augusto S. Brasil, Boaventura Freire dos Reis

PA-10 Electrochemical determination of trace Pb(II) by sequential-injection analysis on plastic disposable lab–on–a–chip microfluidic cells, A. Economou, P.R. Fielden, N.G. Goddard, S.J. Baldock

PA-11 Sedimentation field-flow fractionation of nano and microparticles using rotating coiled columns, Mikhail S. Ermolin, Petr S. Fedotov

PA-12 Fast and reliable capillary electrophoresis method in the simultaneous analysis of ammonium and metals in animal wastes used in biogas production, Mari Jaakkola, Maija Lipponen, Johanna Kallio, Vesa Virtanen

PA-13 The use of a polymer inclusion membrane in the development of a paper-based microfluidic sensor for the selective determination of Cu(II) in aqueous samples, Lilibeth dlC. Coo, B. Manori Jayawardane, Robert W. Cattrall, Spas D. Kolev

PA-14 Sequential injection analysis as a method for the sample pre-treatment, Lucia Hanusová, Petr Chocholouš, Dalibor Šatínský, Petr Solich

PA-15 Sequential injection system for simultaneous determination of Fe(II) and Fe(III), Joanna Kozak, Beata Męderak, Marek Kozak, Paweł Kościelniak

PA-16 Sequential injection analysis for dynamic speciation of Hg(II) in presence of humic acid by square wave voltammetry at a gold screen printed electrode, Fernando Henrique do Nascimento, Jorge C. Masini

PA-17 Novel sample preparation methods for determining the composition of heavy oil residuesNovel sample preparation methods for determining the composition of heavy oil residues, Tatiana Maryutina, Evgenia Zhmaeva, Natalya Musina

PA-18 Using CCD spectrometers in high precision flow analysis applications, Carsten Frank, Steffen Aßmann

PA-19 Effect of flow patterns on the determinations of metal ions using sequential injection system coupled with anodic stripping voltammetry, Eakkasit Punrat, Takashi Kaneta, Suchada Chuanuwatanakul, Shoji Motomizu

PA-20 Development of a high sensitivity multicommuted flow-batch approach for photometric determination of aluminium in hemodialysis solution, Alessandra Felix C. Pereira, Boaventura F. Reis

PA-21 On-line prconcentration and determination of cadmium in industrial effluents by flow injection-flame atomic absorption spectrometry using xylenol orange supported Amberlite XAD-16 packed minicolumn, Reena Saxena, Suneeti Singh

PA-22 Automated sorbent extraction coupled with FAAS for metal determination using Bond Elut PlexaTM PCX cation exchange resin, Georgia Giakisikli, Aristidis Anthemidis

PA-23 Amplitude modulated multiplexed flow analysis for simultaneous determination of multiple analytes.

Determination of ferrous and ferric ions, Hideji Tanaka, Yohei Kurokawa, Masaki Takeuchi, Akira Obuhi

PA-24 Comparison of flow cell position in the DV-SIA system; alternative for concentration factor enhancement, Ivana Šrámková, Carolina Cecilia Acebal, Hana Sklenářová, Petr Chocholouš, Lukáš Zahálka, Beatriz S. Fernández Band, Petr Solich

PA-25 Experimental verification of the relation between recovery and trueness with the use of a dedicated flow injection system, Maciej Stafioski, Marcin Wieczorek, Paweł Kościelniak

PA-26 Fully-automated fluorimetric determination of aluminium in seawater by in-syringe dispersive liquid-liquid microextraction using lumogallion, Ruth Suárez, Burkhard Horstkotte, Víctor Cerdà

PA-27 Novel multicommuted flow manifold dedicated to the generalized calibration strategy, M. Wieczorek, P. Świt, P. Kościelniak

PA-28 Flow analysis method based on Cu(II) reducing assay for assessment of antioxidant capacity at nanomolar levels, Maria Partyka, Luís M. Magalhães, Marcela A. Segundo, Ildikó V. Tóth

PA-29 An increased sensitivity spectrophotometric determination of copper based on the use of reverse flow injection analysis system and a liquid waveguide capillary cell, Patricia S. Peixoto, Ildikó V. Tóth

PA-30 Automated system for technetium-99 determination in urine from patients treated with technetium-99m, Marina Villar, Jessica Avivar, Laura Ferrer, Marga Galmés, Fernando Vega, Víctor Cerdà

PA-31 Tubular detector of silver solid amalgam for electrochemical measurements in flow systems, Oksana Yosypchuk, Jiří Barek, Bogdan Yosypchuk

PA-32 A fast method for platinum determination in carboplatin containing biofluids from anticancer treated patients by direct ICP-AES and on-line preconcentration SPE-ICP-AES, George A. Zachariadis, Chrysanthi Karageorgaki

PA-33 On-line hydride generation arsenic determination. Advances and Perspectives in analytical methodologies, Natasa P. Kalogiouri, John A. Stratis, Aristidis N. Anthemidis

PB-1 Flow-injection spectrophotometric determination of omeprazole in some pharmaceutical formulation, S. O. Baban, F. A. Amin

PB-2 Two dimensional sequential injection chromatography system for fast and isocratic separation of analytes of greatly differing chemical properties, Dalibor Šatínský, Petr Chocholouš, Lucia Hanusová, Petr Solich

PB-3 Determination of fat-soluble vitamins in human blood plasma with use of MEPS-SIC, Petr Chocholouš, Burkhard Horstkotte, Iva Jelínková, Hana Vlčková, Dalibor Šatínský, Petr Solich

PB-4 Flow-injection and stopped flow spectrophotometric determination of dopamine hydrochloride in pharmaceutical preparations, Nabil Adil Fakhre and Mohamad Saleem Abdullah

PB-5 Green method based on a flow-batch -UV system applied to the simultaneous determination of ciprofloxacin and dexamethasone in pharmaceutical preparations applying genetic algorithm and successive projections algorithm, Mariela Razuc, Marcos Grünhut, Elbio Saidman, Mariano Garrido, Beatriz Fernández Band

PB-6 Determination of ochratoxin-A in cereals and feedstuff using sequential injection analysis with luminescence detection, María Luisa Fernández-de Córdova, Eulogio J. Llorent-Martínez, Pilar Ortega-Barrales, Antonio Ruiz-Medina

PB-7 Study of the quenching effect caused by quinolones over CdTe quantum dots using sequential injection analysis and multicommutation, María Luisa Fernández-de Córdova, Eulogio Llorent-Martínez, Lucia Molina-García, João Luis Machado Santos, Sandra Sofía Mota Rodrigues, Antonio Ruiz-Medina

PB-8 Application of associated multi-commutation flow systems (MCFS) and multi-pumping flow systems (MPFS) for chemiluminescent screening of pharmaceuticals and pesticides in environmental analysis, José Vicente García Mateo, Piotr Halaburda

PB-9 HPLC-FD analysis of fluorescent photoproduct of resveratrol in wine and processed lingonberry, Mari Jaakkola, Marianne Mäki, Vesa Virtanen

PB-10 Multi-residue analysis of b-lactam antimicrobials in milk based on dispersive extraction by QuEChERS in MSPD format, validated according to European Union Decision 2002/657/EC, Eftichia G. Karageorgou, Victoria F. Samanidou, Ioannis N. Papadoyannis

PB-11 Hydrodynamic sequential injection spectrophotometric system with an on-line gas diffusion unit for determination of ethanol in alcoholic beverage, Orawan Kritsunankul, Wanpen Khongpet, Jaroon Jakmunee

PB-12 Simultaneous determination of methanol and ethanol residues in biodiesel by a headspace single-drop microextraction and gas chromatography, Orawan Kritsunankul, Apichart Boonmalai, Jaroon Jakmunee

PB-13 Simultaneous determination of some free fatty acids in vegetable oils by a small scale liquid phase microextraction and gas chromatography, Orawan Kritsunankul, Apichart Boonmalai, Jaroon Jakmunee

PB-14 Sequential injection reversed phase liquid chromatography for fluorimetric determination of glyphosate and aminomethylphosphonic acid in environmental samples, Sandro de Miranda Colombo, Marilda Rigobello-Masini, Jorge C. Masini

PB-15 Stepwise elution in sequential injection chromatography for separation and determination of atrazine, simazine, deisopropylatrazine, deethylatrazine and hydroxyatrazine in environmental samples, Ricardo de Prá Urio, Jorge C. Masini

PB-16 SI-HPLC analysis of biogenic amines in milk by on-line derivatization with naphthalene-2,3-dicarboxaldehyde and fluorimetric detection, Maria Notou, Anastasia Zotou, Paraskevas D. Tzanavaras, Demetrius G. Themelis

PB-17 SIA optosensor for the fluorometric determination of carbendazim and o-phenylphenol in fruits, Pilar Ortega-Barrales, Eulogio J. Llorent-Martínez, Irene Delgado-Blanca, Antonio. Ruiz-Medina

PB-18 Determination of carbendazim in dried vegetable and fruits using a Sequential Injection Analysis optosensor, Pilar Ortega-Barrales, Eulogio J. Llorent-Martínez, Jaime Alcántara-Durán, Antonio. Ruiz-Medina

PB-19 Stepwise injection photometric determination of cysteine in fodder and biologically active supplements, Anastasiia Petrova, Andrey Bulatov, Andriy Vishnikin, Leonid Moskvin

PB-20 Determination of pefloxacin in pharmaceutical

preparations by sequential injection analysis with chemiluminescence detection, Miroslav Polášek, Jan Šimura

PB-21 Low pressure chromatographic flow systems based on monolithic columns and electrochemical detection, João Rodrigo Santos, António O.S.S. Rangel

PB-22 Sequential injection analysis of ciclopirox using lanthanide-sensitized luminescence detection, Antonio Ruiz-Medina, Eulogio J. Llorent-Martínez, Julia Jiménez-López, Irene Delgado-Blanca, Pilar Ortega-Barrales

PB-23 Sequential injection analysis optosensor for the determination of hydroxytyrosol in food, Antonio Ruiz-Medina, Eulogio J. Llorent-Martínez, Julia Jiménez-López, Maria Luisa Fernández-de Córdova, Pilar Ortega-Barrales

PB-24 Photoirradiation of CdTe quantum dots: study of the free radicals generation, Antonio Ruiz Medina, Lucía Molina García, João Luis Machado Santos, Sofía Mota Rodrigues, Christian Frigerio

PB-25 Direct determination of trace iodine in human urine by a kinetic flow analysis with an on-line anion exchange column for sample treatment, Jirayu Sitanurak, Prawpan Inpota, Nuanlaor Ratanawimarnwong, Prapin Wilairat, Duangjai Nacapricha

PB-26 Spectrophotometric and fluorimetric detections of propofol: two analytical strategies for pharmaceutical formulations control, Ivana Šrámková, Célia G. Amorim, Hana Sklenářová, Alberto N. Araújo, M. Conceição B.S.M. Montenegro, P. Solich

PB-27 Electrophoretic method for the determination of sulfonylureas in grain samples using a continuous flow system for SPE step and ionic liquid with dispersed carbon nanotubes as electrolyte solution, Valeria Springer, Francisco Aprile, Adriana Lista

PB-28 Fluorometric analysis of ascorbic acid by using a microfluidic system combined with a microdialysis sampling method, Tomoharu Maki, Ryoichi Ishimatsu, Nobuaki Soh, Koji Nakano, Toshihiko Imato

PB-29 Automated stopped-flow fluorimetric assay for biologically active adamantane derivatives based on zone fluidics, Paraskevas D. Tzanavaras, Sofia Papadimitriou

PB-30 Investigation of the interaction of surfactant-capped gold nanoparticles with cysteine and homocysteine under flow conditions using zone fluidics, Paraskevas D. Tzanavaras, Theano Karakosta and Demetrius Themelis

PB-31 Selective LC determination of formaldehyde pre-derivatized, by N,N'-bis (9-anthrylmethyl) propane-1,3-diamine in water samples, Takashi Yokoyama, Takanori Kunisawa, Yoshiyuki Andoh, Michio Zenki

PB-32 Determination of the organophosphorus pesticide chlorpyrifos by enzymatic flow- injection analysis with conductimetric detection, Sabir Khan, Matthieu Tubino, Marta M. D. C. Vila, Elsholz Olaf Tereza Cristina Rodrigues Marcos Paulo da Silva

PB-33 Determination of the eutrophic potential of the Lagos lagoon, nigeria using flow injection analysis (FIA), Akeem Abayomi, Temitope Azeez and Kehinde Olayinka

PC-1 Step-wise injection spectrophotometric determination of flavonoids in plant raw material, A.V. Bulatov, M.T. Falkova, M.O. Pushina, L.N. Moskvin

PC-2 A multicommuted flow-based system with the liquid-liquid microextraction for determination of anionic surfactants in natural waters, Andréia Cardoso Pereira, Fábio R. P. Rocha

PC-3 Utilization of capacitively coupled contactless conductivity detection for dual detection and determination of salinity and ammonia, Sumonmarn Chan-Eam, Prawpan Inpota, Suttipong Saisarai, Kanchana Uraisin, Nuanlaor Ratanawimarnwong, Duangjai Nacapricha

PC-4 Automatized flow-batch method for sonochemiluminescent determination of free glycerol in biodiesel samples using on-line extraction, Paulo Henrique G. D. Diniz, Marcelo F. Pistonesi, Mário C. U. Araújo, Beatriz S. F. Band

PC-5 A multi-pumping flow-based procedure with improved sensitivity for the spectrophotometric determination of acid dissociable cyanide in natural waters, Rejane Mara Frizzarin, Fábio R. P. Rocha

PC-6 Determination of volatile compounds in waters samples with a gas-diffusion/ multipumping flow system and conductometric detection, Camelia Henríquez, Burkhard Horstkotte, Víctor Cerdà

PC-7 Introducing the chip-on-valve voncept: - an integrated platform for multisyringe flow injection analysis. Application to nitrite and nitrate determination in seawater, Burkhard Horstkotte, Víctor Cerdà

PC-8 A computer controlled redox titration laboratory measurement, Ibrahim Issa, Imre Czinkota, Hamed Abdorhim

PC-9 Flow injection analyzers for sustainable pectin analysis, Lucyna Łękawska, Efstathios G. Vasiliou, Dimitrios G. Georgakopoulos, Constantinos A. Georgiou

PC-10 An environmentally friendly procedure for the spectrophotometric determination of chloride in urine and natural waters exploiting photochemical conversion in a multi-pumping flow system, Diogo L. Rocha, Fábio R. P. Rocha

PC-11 Comparative carbohydrate analysis by CE-UV, HPLC-RI, electrochemical sensor and colorimetric microplate methods, Maija Lipponen, Mari Jaakkola, Adama Marie Sesay, Vesa Virtanen

PC-12 Optimizing MWNT-Ni-Co-oxide modified electrodes for analysis of carbohydrates in syrup, Maija Lipponen, Mari Jaakkola, Adama Marie Sesay, Vesa Virtanen

PC-13 A Flow-based procedure for monitoring of ricin in the by-product of biodiesel production, Wanessa R. Melchert, Rita C. L. Castro, Jeová C. Miranda, Fábio R. P. Rocha

PC-14 Application of porphyrin-based anion selective electrodes as detectors in FIA systems, Monika Mroczkiewicz, Mariusz Pietrzak, Łukasz Górski, Elżbieta Malinowska

PC-15 Environmental determination of trace amounts of bromide and iodide using flow injection kinetic spectrophotometric technique, Siavash Nouroozi, Zahra koohbour

PC-16 Air segmented-amplitude modulated multiplexed flow analysis with no deaeration process. Determination of phosphate ion, Takeshi Ogusu, Masaki Takeuchi, Hideji Tanaka

PC-17 A flow system for simultaneous determination of salinity, carbonate, and phosphate in brackish water, Piyawan Phansi, Somonmarn Chan-Eam, Panwadee Wattanasin,

Nichanun Sirasunthorn, Kamonthip Sereenonchai, Wanchai Meesiri, Duangjai Nacapricha

PC-18 Improvements of membraneless vaporization device and its application with sequential injection analysis, Thanakorn Pluangklang, Nuanlaor Ratanawimarnwong, Manat Pohmakotr, Thongchai Chaisiri, Duangjai Nacapricha

PC-19 Determination of lipid hydroperoxide in oil samples employing spectrophotometric sequential injection analysis system, Kraingkrai Ponhong, Tomoko Shimamura, Keiro Higuchi, Takehiro Kashiwagi, Kate Grudpan, Shoji Motomizu, Hiroyuki Ukeda

PC-20 Development of an on-line sensing device for the detection of glyphosate and aminomethylphosphonic acid (AMPA) in sea water, B. Rathjena, B. Niemeyerb

PC-21 A polyvalent flow system for the spectrophotometric determination of sulfide, sulfite and ethanol in table wines, industrial wines and similar, Claudineia R. Silva, Taciana F. Gomes, Valdemir A.F. Barros, Elias A.G. Zagatto

PC-22 Sequential injection analysis with PEDD detectors for analysis of sucrose and phosphate in cola drinks, Phoonthawee Saetear, Kittiwut Khamtau, Kamonthip Sereenonchai, Nuanlaor Ratanawimarnwong, Duangjai Nacapricha

PC-23 Flow injection system using a liquid waveguide capillary cell for the determination of bromate in mineral waters, Inês C. Santos, Raquel B.R. Mesquita, Ricardo N.M.J Páscoa, Ildikó V. Tóth, António O.S.S. Rangel

PC-24 Multi-parametric sequential injection system for carbon speciation in bathing waters, Inês C. Santos, Raquel B.R. Mesquita, Adriano A. Bordalo, António O.S.S. Rangel

PC-25 A Novel flow radical approach towards the synthesis of biologically active heterocycles, Georgia Saviolaki, Stephen T. Hilton

PC-26 Implementation of a dynamic extraction protocol for evaluation of antioxidant compounds from food products, Miguel A. Maia, Luís M. Magalhães, Manuel Miró, Marcela A. Segundo

PC-27 Determination of organophosphorus pesticides (dichlorvos) by enzymatic method, Marcos Paulo da Silva, Matthieu Tubino, Sabir Khan, Marta M. D. C. Vila, Elsholz Olaf, Tereza Cristina Rodrigues

PC-28 An automatic hydrodynamic injection microfluidic device integrated with optical sensor for chemical analysis, Sam-ang Supharoek, Jaroon Jakmunee

PC-29 Microfluidic devices and mass spectrometry for studying of peptide release in bag cell neuron of Aplysia californica, Sam-ang Supharoek, Callie A. Croushore, Chang Young Lee, Jaroon Jakmunee, Jonathan V. Sweedler

PC-30 A non-invasive biosensor for the detection of lactate in saliva, Pirkko Tervo, Adama Marie Sesay, Mika Mahosenaho, Vesa Virtanen

PC-31 Monitoring of L-lactate in fermentation broth by a capillary electrophoresis, liquid chromatography, spectrophotometric method and a nano-composit biosensor, Adama Marie Sesay, Mika Mahosenaho, Maija Lipponen, Marianne Mäki, Mari Jaakkola, Vesa Virtanen

PC-32 Study of gold-luminol chemiluminescent system and its analytical application to the determination of total phenolic content, Vasiliki A. Gatselou, Kiriakos M. Giannoulis, Dimosthenis L. Giokas, George Z. Tsogas, Dionysis Christodouleas, Athanasios G. Vlessidis, Antony C. Calokerinos

PC-33 Flow electrochemical biosensors based on tubular detector and enzymatic reactor both of silver solid amalgam, Bogdan Yosypchuk, Vladimír Mareček, Oksana Yosypchuk

The 6th Shanghai International Symposium on Analytical Chemistry

Shanghai, China, October 15-17, 2012

Session3 Rapid and sensitive flow immunoassay for environmental pollutants, Toshihiko Imato

1-22 Determination of phosphate ion in water samples by air segmentation – amplitude modulated multiplexed flow analysis, Hideji Tanaka, Takeshi Ogusu, Katsuya Uchimoto, Masaki Takeuchi

3-20 Nanoparticles-assisted chemiluminescence from the decomposition of peroxymonocarbonate and its application in flow injection analysis, Hui Chen, Hai-Fang Li, Jin-Ming Lin

第 50 回フローインジェクション分析講演会

徳島大（徳島市）2012 年 11 月 16 日

S1 フローインジェクション分析講演会50回開催を記念して（九州大院工）今任稔彦

IL1 Some novel approaches in down scaling (flow) analysis: Green analytical chemistry with green innovation（Chiang Mai Univ.）Kate Grudpan

IL2 マイクロ流路を利用した工業用反応装置の開発（徳島大院 STS）外輪健一郎

O1 過酸化水素のフローインジェクション分析におけるチタン(IV)-ポルフィリン試薬の光増感効果（東京薬大，東北大多元研）髙村喜代子，松本高利

O2 水流体・油流体中溶存硫黄の定量的なインライン連続抽出を目的としたマイクロチャネルデバイス（熊本大院自然）戸田敬，戎由貴，廣田和敏，大平慎一

O3 炭素繊維を利用する酵素固定化物の調製と FIA への適用（神奈川工科大）佐藤生男，神崎愷

O4S Simple lab on noodle (Chiang Mai Univ.）Kanokwan Kiwfo, Sasithorn Boonmapa, Suphasinee Sateanchok, Wasin Wongwilai, Kate Grudpan

O5S A flat-bed scanner for down scaling chemical analysis: An example of modern information technology applied to the assay of iron（Chinag Mai Univ., Aichi Inst. Tec.）Wasin Wongwilai, Somchai Lapanantnoppakhun, Supara Grudpan, Tadao Sakai, Norio Teshima, Kate Grudpan

O6 新規分離法によるクロムのスペシエーション分析（熊本大院自然，テキサス大アーリントン校）大平慎一，Purnendu. K. Dasgupta，中村惟孝，戸田敬

O7 尿微量成分をターゲットとする新規自動分析システムの構築（愛知工大，Mahidol Univ., Chiang Mai Univ.，岡山大院）酒井忠雄，N. Ratanawimarnwong, K. Ponhong, D.Nacapricha, K. Grudpan，手嶋紀雄，本水昌二

O8 細菌をドープした導電性高分子膜の物性（阪府大院工）長岡 勉，椎木弘，床波志保，細末健太

O9 オールインジェクション型土壌前処理装置による重金属抽出（群馬大院工）森勝伸，中野浩司，鈴木志歩，板橋英之

T1 非接触電気伝導度検出(C4D)法を用いた流れ分析に，ポテンションスタットを利用したプレ電解(処理)のご提案（バイオリサーチセンター，アクト・サイエンス）森清昭，渡邉雅信

T2 新型フローコントローラ Ver. 2 及び新型プログラマブルポンプ・バルブ装置（矢部川電気工業）阪本一平，梅

原未貴

O10S エアロゾル中ホルムアルデヒドの検出の試み（熊本大院自然，徳島大院 HBS）柚木悟，大平慎一，竹内政樹，戸田敬

O11S アルギン酸修飾シリカゲルカラムによる重金属の分離・濃縮（群馬大院工）鈴木俊信，森勝伸，板橋英之

O12S 逆ミセル反応場におけるロジウム-ルミノール化学発光に対するイオン液体の影響（広島大院理）松田卓也，岡本泰明，石坂昌司，藤原照文

O13S フロー法を用いた逆ミセル吸着界面におけるポリアミドのナノ構造体形成と顕微観測（広島大院理）奥野 諒，石坂昌司，岡本泰明，藤原照文

O14 シーケンシャルインジェクション(SI)/スクリーンプリントカーボン電極(SPCE)ボルタンメトリー：専用フローセル製作と有害金属定量の高感度化（Chulalongkorn Univ.，高知大，MGC JAPAN，岡山大院自然）E. Punrat，S. Chuanuwatanakul，O. Chailapakul，樋口慶郎，本水昌二，金田 隆

O15 流れ分析の公定法化を志向する小型蒸留-FI/SI 分析（愛知工大，三菱化学アナリテック）手嶋紀雄，山下真以，米川昌吾，酒井忠雄，大野慎介，林則夫，金子敏男

P1S インライン濃縮 LC-MS による大気中ニトロフェノール類の分析（熊本大院自然）長井淳，大平慎一，戸田敬

P2S オンライン前濃縮／GFAAS による微量バナジウムの定量（愛知工大）田中潤平，手嶋紀雄，酒井忠雄

P3S 炭素繊維へのアスコルビン酸オキシダーゼの固定化とFIA への応用（神奈川工科大）小松千波,神崎愷，佐藤生男

P4S ウレアーゼのカーボンフェルトへの固定化とFIAへの適用（神奈川工科大）藤井哲，神崎愷，佐藤生男

P5S グリコーゲンホスホリラーゼ b 固定化物を用いるフローインジェクション分析（神奈川工科大）田中栄作，神崎愷，佐藤生男

P6S アスコルビン酸の酸化反応に伴うエンタルピー変化量のフローインジェクション測定（神奈川工科大）平川優，神崎愷，佐藤生男

P7 化学分析における溶液試料調製のコンピュータ制御による自動化と簡便化（高知大，MGC JAPAN，岡山大院自然，愛知工大）樋口慶郎，金田 隆，本水昌二，手嶋紀雄，酒井忠雄

P8 Sequential injection spectrophotometric assay of lipid hydroperoxide（Kochi Univ., Chiang Mai Univ., Ogawa and Co., Ltd., Okayama Univ.）Kraingkrai Ponhong, Tomoko Shimamura, Keiro Higuchi, Takehiro Kashiwagi, Kate Grudpan, Shoji Motomizu, Hiroyuki Ukeda

P9S フロー系における多チャンネル表面プラズモン共鳴センサを 用いた同時検出法に関する研究（九大院工）戦捷，石松亮一，中野幸二，今任稔彦

P10S マイクロチップを用いる IgA のフローインジェクション／蛍光イムノアッセイ（九大院工）杉森康一，石松亮一，中野幸二，今任稔彦

P11S Development of integrated and pump-free flow immunoassay system for nonionic surfactant（九大院工）郭帥，石松亮一，中野幸二，今任稔彦

P12S Development of a fluorescence detection system for micro-flow analysis using an organic light-emitting diode with rare earth metal complexes as an emitting layer（Kyushu Univ., Kyushu Univ OPERA）Liu Rong, Ryoichi Ishimatsu, Koji Nakano,Masayuki Yahiro, Chihaya Adachi, Toshihiko Imato

P13 小型蒸留装置及び新 FIA 分析装置の紹介（(株)三菱化学アナリテック）大野慎介，林則夫

P14 細菌検出のためのテーラーメイド型マイクロ空間の創成（阪府大ナノ科学材料セ，阪府大院工）床波志保，中土井祐，中田啓之，細末健太，椎木弘，長岡 勉

P15S Simple lab on thread（Chiang Mai Univ.）Suphasinee Sateanchok, Sasithorn Boonmapa, Kanokwan Kiwfo, Wasin Wongwilai, Kate Grudpan

P16S Simple lab on paper for the assay of iron（Chiang Mai Univ.）Sasithorn Boonmapa, Suphasinee Sateanchok, Kanokwan Kiwfo, Wasin Wongwilai, Kate Grudpan

P17S Simple lab on chip for the assay of zinc（Chinag Mai Univ., Aichi Inst. Tech.）Yaowalak Khanhuathon, Wasin Wongwilai, Tadao Sakai, Norio Teshima, Kate Grudpan

P18S 全リン定量のための Co3+前処理法の開発と FIA による評価（徳島大薬，徳島大院 HBS）宮崎亜珠美，栗谷和典，竹内政樹，田中秀治

P19S 富士山南東麓における大気中酸性ガスの連続観測（徳島大院薬，早大創造理工，徳島大院 HBS）宮崎祐樹，磯部貴陽，大河内博，緒方裕子，田中秀治，竹内政樹

・最近の学会・講演会から抜粋しました。
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