

学会情報 (2015. 6~2015. 11)

(徳島大院医歯薬) 竹内 政樹

Flow Analysis XIII

Prague, Czech Republic, July 5 - 10, 2015

- KL01 Růžicka J. Flow programming- the future of flow analysis
- KL02 Švec F. Monolithic polymers in various formats for sample preparation and separation
- KL03 Dasgupta P. Novel ion detectors for chromatography/flow analysis
- KL04 McKelvie I. Water quality assessment by flow analysis: Game over or game on?
- KL05 Miró M. Bead injection in mesofluidic platforms: tips and tricks
- KL06 Cerdà V. Chips and Tricks: How to build and use microfluidic systems in Flow Analysis
- IL01 Segundo M.A. Improvement of analytical performance through reaction time control using flow-based methods
- IL02 Kolev S.D. Application of flow analysis sample pretreatment processes on a paper-based platform
- IL03 Nacaprícha D. Contactless conductivity-based device for particle and cell sensing
- IL04 Imato T. Flow analysis using streams driven by centrifugal force
- IL05 Worsfold P. Fit for purpose flow injection techniques for the determination of trace metals in seawater
- IL06 Rangel A.O.S.S. Exploring 3-hydroxy-4-pyridinone chelators synthetic versatility to attain tailor made low toxicity chromogenic reagents for iron speciation in water samples
- IL07 Teshima N. Flow chemical analysis methods for water quality assessment
- IL08 Anthemidis A. Lab-In-SyringeA smart & green tool for automation and miniaturization of sample pretreatment
- IL09 Macka M. Flow analysis and portable capillary liquid chromatography using a modular flexible microfluidic open platform based on off-the-shelf components
- IL10 Santos J.L.M. Chemo-sensing based on analyte-triggered modulation of CdTe quantum dots photoluminescence
- IL11 Wang J. Advances in selective protein isolation from complex sample matrixes with carbon nanostructures as sorbents
- IL12 Zagatto E. Flow analysis reaches maturity
- IL13 Acebal C.C. Solid-phase extraction in automated flow systems using carbon nanotubes as sorbents
- IL14 Kościelniak P. A critical approach to the recovery test in the context of analytical accuracy
- IL15 Pasquini C. Hybrid flow-batch analysis systems
- OP01 Marshall G. The optimal use of three dimensional space in the miniaturization of next generation flow instrumentation
- OP02 Elsholz O. Low budget photometrical flow through detector
- OP03 Santos I. Flow injection coupled to electrospray ionization mass spectrometry for non-covalent binding determinations
- OP04 Henriquez C.H. Influence of flow pattern (constant or pulsed) in flow systems with gas diffusion
- OP05 Šatinský D. On-line SPE in SIC and HPLC
- OP06 Fuh M. Microfluidic liquid chromatography tandem mass spectrometry for food analysis
- OP07 Batista A.D. On-column preconcentration in sequential injection chromatography
- OP08 Chocholouš P. Coupled preconcentration with fluorescence detection in the lab-on-valve format for subnanomolar Zn determinations in seawater
- OP09 Ayala A. Spectrophotometric determination of palladium using 5-Br-PSAA by simultaneous injection effective mixing flow analysis
- OP10 Amatotongchai M. An amperometric flow injection analysis of glucose using a biosensor based on CNT-PDDA-PtNPs-modified carbon paste electrode
- OP11 Luttmann R. Applications of flow analysis systems in bioreactor monitoring and control
- OP12 Nalewajko-Sieliwoniuk E. Application of direct-injection detector integrated with the multi-pumping flow system to chemiluminescence determination of the total polyphenol index
- OP13 Ito K. Simultaneous and selective determination of nitrite, nitrate, and ammonium ions in seawater samples
- OP14 Wiecek M. Flow manifold dedicated to determination of chromium with the use of innovative capacitance measurements method
- OP15 Świt P. Novel sequential-injection manifold for two-component generalized calibration strategy
- OP16 Sulistyarti H. Extractionless-flow injection-indirect spectrophotometry for mercury(II) determination based on the formation of tetra-iodo-mercury(II) and starch-iodine complexes
- OP17 Tsunoda K. Electrospray ionization mass spectrometry using dehydration reaction at the interface as a new detection method of inorganic oxyanions
- OP18 Sklenářová H. Sequential injection system as a monitoring tool for permeation studies
- OP19 Jakmunee J. Small scale flow injection system for high throughput determination of chemical oxygen demand (COD)
- OP20 Almeida M.I. Development of a paper-based microfluidic sensor for the determination of aldehydes in saliva samples
- OP21 Ishimatsu R. Flow Immunoassay of Immunoglobulin A Using Carbon Nanodots
- OP22 Tsukagoshi K. Tube radial distribution phenomenon using various types of mixed solvent solutions and its application to separation analysis
- OP23 Suwanrut J. Schlieren effect in liquid flow for thermal sensing
- OP24 Satoh I. Use of carbon fibers as supporting materials for flow-injection analyses of bio-related substances
- OP25 Herera-Lopez E.J. Modeling enzymatic reaction in sequential injection analysis
- OP26 Bulatov A.V. Automated effervescence assisted dispersive liquid-liquid microextraction based on a flow system. Application for the determination of antipyrine in saliva samples
- OP27 Shishov A. Reversed-phase chromatomembrane method

- as a new approach for flow extraction
- OP28 Kozak J. Iron speciation analysis in flow systems
- OP29 Robert-Peillard F. Monitoring of anaerobic digestion and biogas production processes: from a lab-scale MSC system to an industrial analyzer
- OP30 Chantiwas R. A microchip-based flow injection with chemiluminescence detection system for exploitation of interaction of metal-binding nanoparticle
- OP31 Santos J. An experimental approach to perform solid liquid extraction in flow systems
- P01 E.A.G. Zagatto. Sensitive kinetic-catalytic spectrophotometric method for cobalt determination using a chip coupled to a multisyringe flow injection analysis
- P02 Mansfeldova V. Liquid membrane potentiometry for ion recognition in flow analysis
- P03 Rodrigues Silva C. A novel gas diffusion flow-based procedure for respirometry monitoring in soils
- P04 Sitanurak J. Construction of capacitively coupled contactless conductivity detector as flow cell for particle sensing
- P05 Ali S. Flow- injection spectrophotometric determination of meloxicam by oxidation-reduction with KMnO_4
- P06 Yu Y.L. Metal carbonyl vapor generation coupled with dielectric barrier discharge to avoid plasma quench for optical emission spectrometry
- P07 Paluch J. Study on determination of calcium and magnesium with the use of parameters of a single peak registered in SIA system
- P08 Peixoto P. Programmable flow injection method for evaluation of sulfonamides in natural waters
- P09 Frizzarin R. Development of a portable system for iodide spectrofluorimetric determination in seawater
- P10 Ribeiro Martins da Silva A. A multi-pumping flow-based procedure for iodate determination in waters
- P11 Angnes L. Study of an epoxy/polyethyleneimine system as basis for enzyme microreactors
- P12 Rattanarat P. Compact disk-type microfluidic device for electrochemical detection of glucose in human serum
- P13 Amatatongchai M. Chromatic analysis by monitoring of unmodified silver nanoparticles reduction on microfluidic paper-based analytical device (μ pad) for selective determination of mercury
- P14 Youngvises N. Microfluidic and flow analysis system incorporating to multi-optical sensor for environmental monitoring: Towards green analytical chemistry
- P15 Ramos I. Molecular recognition strategy under LOV-BI format
- P16 Huang Y.L. Selective extraction and determination of Hg(II) using a hyphenated L-cysteine- $\text{Fe}_3\text{O}_4/\text{Au}$ NPs-based microfluidic device with ICP-MS
- P17 Elsholz O. Gasdiffusion of carbonic acids in flow through devices
- P18 De Prá Uriro R. On-column focusing in sequential injection chromatography (SIC) for analyte enrichment, matrix exchange and separation of simazine and atrazine
- P19 Amais R. Sequential injection (micellar) chromatography coupled to ICP OES for redox chromium speciation
- P20 Batista Domingues A. Direct analysis of phenolic compounds in wine by sequential injection chromatography
- P21 Barbatsi M. Flow programming in gradient-elution flow injection chromatography
- P22 Marques S. On-line monitoring of transdermal permeation of dual-loaded nanocarriers using a low-pressure chromatographic method
- P23 AlGalali S. Indirect determination of copper using flow-injection and hydride generation atomic absorption spectrometer method (fi-hg-aas)
- P24 Chocholouš P. How important is the detector in Sequential Injection Chromatography?
- P25 Morita K. Platform of optical analysis device based carbon-polydimethylsiloxane compound for spectroscopic chamber integration on information terminal
- P26 Chailapakul O. Droplet-Based Microfluidic Device coupled with Graphene-polyaniline modified Electrode for High-throughput Determination of 4-Aminophenol
- P27 Herrera-Lopez E.J. Serial dilution method to determine enzymatic activity in a sequential injection analysis system
- P28 Šatinský D. Hydrophilic interaction chromatography in SIC system – a novel approach in separation of polar compounds in flow systems
- P29 Alimzhanova M. Application of gas chromatography-mass spectrometry method in petrochemical industry
- P30 Kukoc-Modun L. Determination of thiolic compounds, penicillamine, cysteine, tiopronine and glutathione in pharmaceuticals by flow injection analysis with spectrophotometric detection
- P31 Kukoc-Modun L. Sequential injection analysis of a novel amino acid N-acetylcysteine ethyl ester (NACET) with spectrophotometric detection
- P32 Ferrer L. Optimization of automatic MSFIA-HG-AFS method for the in vitro arsenic bioaccessability evaluation in corn and rice samples
- P33 Suarez W. A full automated flow-batch analyzer coupled to a Lab-made LED-photometer to determine sodium diclofenac and rutin in pharmaceutical formulations
- P34 Klayprasert P. Flow injection potentiometric method based on Ce(IV)/Ce(III) redox reaction for determination of total antioxidative activity
- P35 Schwanger C. High spatial resolution nutrient data for real-time estuarine and coastal sampling using zone fluidics.
- P36 Santos I. MALDI-MS for microorganism identification in contaminated groundwater
- P37 Kosobucka M. Doscon - on-line system for control and correction of treated wastewater
- P38 Rangel A. Flow-based system for the determination of titratable and volatile acidity in wines
- P39 Atikah A. Spectrophotometric continuous flow technique for monitoring cyanide and thiocyanate
- P40 Zelena L. Automated monitoring of drug permeation studies using Rhodamine 123 as a marker
- P41 Ferrer L. Kinetic catalytic determination of Mn^{2+} in waters by a fully automated spectrophotometric method
- P42 Kraikaew P. Membraneless vaporization for simultaneous determination of ethanol and sulfite by flow analysis
- P43 Pistón M. Multi-pumping flow system for the screening of oxygen radical absorbance capacity (ORAC) of artichoke extracts
- P44 Vlessidis A. Photo-induced chemiluminescence detection of dithiocarbamate pesticides by flow injection analysis based on the luminol-hydrogen peroxide reaction
- P45 Knochen M. A multi-pumping flow system for the

- determination of boron
- P46 P. Chocholouš Using lab-on-valve for renewable sorbent large volume preconcentration and determination of iron(II) from seawater at nanomolar concentration level
- P47 Pochivalov A. Fully automated hplc determination of fluoroquinolones in biological fluids
- P48 Hosu I.S. Flow injection system for the electrochemical detection of peroxydinitrite with a cobalt phthalocyanine modified screen printed carbon electrode
- P49 Rangel A. Sequential injection application of an expressly designed 3-hydroxy-4-pyridinone functionalized with a polyethylene glycol chain for the spectrophotometric determination of iron
- P50 Jakmunee J. Simple flow injection titration for sensitive determination of free fatty acids in palm oil samples
- P51 Santos J.L.M. Tetracyclines chemical control based on in-line interaction with CdTe quantum dots.
- P52 Koronkiewicz S. A double-beam photometric direct-injection detector for phosphate monitoring in wastewater
- P53 Hranicek J. Extraction method for losartan determination in pharmaceuticals by sequential injection analysis with uv/vis and fluorimetric detection
- P54 Rangel A. Use of UV radiation for the sequential injection spectrophotometric determination of NO_x in natural waters
- P55 Miró M. Automatic physiologically-based extraction assay for assessment of bioaccessible micronutrients in transgenic and non-transgenic soybeans by on-line ICP-OES detection
- P56 Anthemidis A. Trace silver determination in water and soil samples using flow injection on-line displacement-spe coupled with flame atomic absorption spectrometry
- P57 Youngvises N. Multi-syringe flow analysis incorporating to multi-optical sensor for simultaneous determination of Fe(II), Fe(III), Mn(II) and Cu(II) in natural waters
- P58 Junsomboon J. Determination of Kjeldahl nitrogen contents in rubber by flow injection conductometric method
- P59 Mihaela T. A direct-injection pedd detection system dedicated for monitoring of phosphate in wastewater
- P60 Gallego A. On-line flow injection molecularly imprinted solid phase extraction for the preconcentration and determination of 1-hidroxypyrene
- P61 Andrich V. An automatic procedure for determination of tungsten using Quinaldine red
- P62 Cocovi-Solberg D.J. Coupling of dynamic accessibility tests to liquid-chromatography using bead-injection mesofluidic analysis for monitoring leaching kinetics of xenobiotics in environmental solids
- P63 Cerda V. Determination of estrogens in water samples by automatic in-syringe dispersive liquid-liquid microextraction coupled to gas chromatography
- P64 Nascimento C. A flow-batch dispersive liquid-liquid microextraction with ionic liquid for the spectrophotometric determination of formaldehyde in milk
- P65 Suarez R. An environmentally-friendly magnetic stirring assisted dispersive liquid-liquid microextraction method for UV filters determination in waters
- P66 Suarez R. Simultaneous in-syringe magnetic stirring-assisted dispersive liquid-liquid microextraction and silylation of uv filters in water samples coupled to gc/ms
- P67 Suarez R. Determination of atrazine and 2, 4-D in corn grains using MSFIA coupled to HPLC after microwave assisted extraction
- P68 Suarez R. Development of a on-line LOV system coupled to GC-MS for determination of atrazineand 2,4-D in corn grain samples
- P69 Cunha Machado J.M. A multi-pumping flow analysis system with fluidized bed column for determination of soil phosphorus sorption capacity
- P70 Rodriguez Maese R. Miniaturized automatic system for Ra-226 isolation and pre-concentration from drinking water
- P71 Giakisikli G. An automatic stirring assisted liquid-liquid microextraction system based on lab-in-syringe platform for on-line atomic spectrometric determination of trace metal
- P72 Ferrer L. 99tc determination exploiting in-syringe dispersive liquid-liquid micro-extraction previous liquid scintillation counting
- P73 Santos J. An experimental approach to perform solid liquid extraction in flow systems.
- P74 Zelena L. Testing of carbon nanotubes as a sorbent for fully automated SPE procedure using metsulfuron methyl as a target analyte
- P75 Sklenářová H. Automation of solid-phase extraction for preconcentration of steroid hormones in a sequential injection system
- P76 Miekh Y. The automation and optimization of solid-phase extraction for the determination of creatinine in sequential injection system
- P77 Takeuchi M. Determination of perchlorate in the atmospheric aerosol by ion chromatography
- P78 Virtanen V. A field test of an online capillary electrophoresis method for inorganic anions
- P79 Virtanen V. Online capillary electrophoresis in environmental analysis of inorganic cations
- P80 De Prá Urió R. High performance and sequential injection liquid chromatography for separation triazine herbicides in waters after cloud point extraction
- P81 Nookaew K. Analysis of lactate as a biomarker by capillary electrophoresis with capacitively coupled contactless conductivity system
- P82 Seetasang S. Development of a simple capillary electrophoresis with UV detection for investigation of metal binding protein
- P83 Grela A. An improved method for analysis of fatty acids by gas chromatography-mass spectrometry in depression patients
- P84 Malejko J. Ultra performance liquid chromatography with photodiode array and chemiluminescence detection for the determination of polyphenolic antioxidants in herbal extracts
- P85 Knochen M. Development of a wireless in-situ smart analyser for phosphorus based on open-source hardware and software
- P86 Morita K. Signal Amplification Using LSPR effect for SPR Detection of illegal compound in food
- P87 Rengevicova S. Fully-automated dispersive micro-solid phase extraction using magnetic metal-organic frameworks and related materials in flow system
- P88 Miró, M. Mesofluidic platform integrating restricted access-like sorbent for quality control of trace element contamination in honey prior to inductively-coupled

日本分析化学会第 64 年会

九州大学伊都キャンパス（福岡市）2015 年 9 月 9-11 日

- E1011 フロークロマトリーの新展開（京都悠悠化研，龍谷大理工，原子力機構）木原壯林，糟野潤，北辻章浩
- G3002 連続流れ分析法、イオンクロマトグラフ法および IC-ICPMS による海水中のりん酸イオンの測定（産総研）チョン千香子，野々瀬菜穂子，鈴木俊宏，石澤ゆかり，山内 喜通，三浦勉，日置昭治
- M2001 フィードバック制御フローレイシヨメトリーに基づくフロー滴定への気節法の導入（徳島大院医歯薬（薬），徳島大薬）田中秀治，平坂知子，富山えりな，竹内政樹
- M2002 多成分測定を目的としたコンピュータ制御モバイル化学分析（Brawijaya Univ. Dept.Chem., 高知大，MGC JAPAN，岡山大，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
- M2003 フローインジェクション分析法による製錬排水工程中ひ素自動分析装置の開発（三菱マテリアル株式会社中央研究所分析評価研究部）今井奏子，山田正，林部豊
- M2004Y 液体発光体である 1-pyrenebutanoic acid, 2-ethylhexyl ester の電気化学発光（九大院工，早大院先進理工，早大院ナノ理工，日産化学工業）田代修也，石松亮一，笠原崇史，水野潤，大島寿郎，中野幸二，今任稔彦
- M2005Y J 会合性シアニン色素により構成される有機薄膜フォトダイオードを用いた光検出システムの開発（九大院工，九大シ情院）小野原隼人，石松亮一，興雄司，安達千波矢，中野幸二，今任稔彦
- M2006 連続流れ分析法を用いたシアン化合物の蒸留条件の検討（横浜国大）尾崎成子，中村栄子
- M2007 小型蒸留器によるアンモニア及び全シアンの蒸留前処理／流れ分析検出法（共立理化学研，小川商会，岡山大）上田実，奥村浩，岡内完治，岡内俊太郎，樋口慶郎，本水昌二
- M2008Y オプティカルセンサを組み込んだマイクロチップによるチオシアン酸イオンの検出（芝浦工大）内谷徳宏，正留隆
- M2009Y 二酸化チタン光触媒担持金網の開発とフローアナリティカルシステムを用いた水質浄化性能評価（群馬大院理工，原子力機構）藤井謙伍，杉田剛，森勝伸，板橋英之
- M2010Y CD 型流体基板上での光化学固定化法を用いた蛍光イムノアッセイ法の開発（九大院工）田上裕典，石松亮一，中野幸二，今任稔彦
- M2011Y 熱活性型遅延蛍光材料を含むポリマー薄膜を用いた酸素センシング（九大院工）桐野侑子，石松亮一，中野幸二，今任稔彦
- O1001 ローダミン B を用いたオンライン溶媒抽出－逆ミセル系化学発光分析法の開発（広島大院理）藤原照文
- O1002 ハイブリッド流れ分析法による金属イオンの接触分析（愛知工大工）手嶋紀雄，Ayala Quezada, Alejandro，村上博哉，酒井忠雄，本水昌二
- O1003 An Ion Chromatograph for Extraterrestrial Explorations: A Mission to Mars (University of Texas at Arlington) Purnendu K. Dasgupta
- P3106 固相分光流れ分析法による超微量 Mn(II)の酸化状態別定量（新潟大理，新潟大院自然，福教大，九大院理）松岡史郎，小池彩佳，井上早紀，宮崎義信，吉村和久

第 52 回フローインジェクション分析講演会

桐生地域地場産業振興センター（桐生市）2015 年 11 月 20 日

- 1 電気透析法による溶存イオンのインライン濃縮（熊本大院自然）大平慎一，山崎孝幸，戸田 敬
- 2 フロー分析装置の小型化を目指した小型の検出器の開発（山梨大院総合研究）鈴木保任，川久保 進
- 3 PC 制御流れ分析法における Schlieren 効果の低減と感度向上（Brawijaya University，高知大-MGC JAPAN，岡山大）Lukman Hakim，樋口慶郎，本水昌二
- 4 キノンをメディエータとする微量酸のシグナル化とフロー分析用検出デバイスへの応用（東京薬大・薬学部）高村喜代子，小谷明，楠文代
- 5 新製品紹介：小型吸光度計 piCOSCOPE のご紹介（ウシオ電機株式会社）伊藤麻里，増岡大介，森田金市
- 6 全血 1 滴分析によるイオン性摂取物の体内濃度の推移モニタリング（熊本大院自然）戸田敬，西山寛華，井本ゆりか，中村行秀，前田詩織，大平慎一
- 7 拡散スクラバー捕集／FIA による揮発性ガスの定量（愛知工大・工・応化）手嶋紀雄，村上博哉，酒井忠雄
- 8 タイチエンマイで開催された TRF Seminar（愛知工大，岡山大）酒井忠雄，本水昌二
- 9 Applications of Capacitively Couple Contactly Conductivity-based Detector for Particle Sensing (Mahidol University) D. Nacapricha, Jirayu Sitanurak, Peter Hauser, N. Ratanawimarnwong
- 10 Gas Flow Reactor with On-line Monitoring System for Efficiency Study of Nitrogen Dioxide Removal by Photocatalyzed Titanium Dioxide (Mahidol University) Kanchana Uraisina, Korbua Chaisiwamongkhol, Noppadon Manoyen, Komkrit Suttiponparnit, Duangjai Nacapricha, Siwaporn Mejoo Smith
- 11 Cross injection analysis for simultaneous determination of iron and creatinine in urine from thalassemic patients (King Mongkut's Institute of Technology Ladkrabang) N. Choengchan, D. Nacapricha, T. Mantim, P. Inpota, P. Wilairat, P. Jittangprasert, W. Waiyawat, S. Fucharoen, P. Sirankpracha, N. Phumala Morales
- 12 Lab-on-a-Tablet – Flow based Analysis System (LOT-Flow) (Chiang Mai University) Wasin Wongwilai, Yuji Oki, Hiroaki Yoshioka, Kinichi Morita, Kate Grudpan
- 13 From cost effective flow injection analysis to natural materials based flow analysis (Chiang Mai University) Kate Grudpan, Wasin Wongwilai, Sanokwan Kiwfo, Kajornjai Thajee, Pheeraya Jaikang, Sutasinee Apichai
- 14 硝酸ガス発生装置（徳島大薬，徳島大院医歯薬）中川慎也，田中秀治，竹内政樹
- 15 内標準法を導入した振幅変調多重化フロー分析法による Fe^{2+} の定量（徳島大薬，徳島大院薬，徳島大院医歯薬）尾崎真理，大楠剛司，竹内政樹，田中秀治
- 16 気節-非相分離フィードバック制御フローレイシヨメトリーによる滴定（徳島大薬，徳島大院医歯薬）久保祐哉，富山えりな，平坂知子，竹内政樹，田中秀治
- 17 Determination of thiocyanate ions using a microfluidic polymer chip with an embedded ion-selective electrode based on triphenyltin chloride (Shibaura Institute of Technology, Tokyo, Japan, Kyushu University, Fukuoka, Japan) Mekonnen Abiyot Ashagre, Toshihiko Imato, Takashi Masadome
- 18 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チオシアン酸イオンのフローインジェクション分析（芝浦工大）内谷徳宏，正留隆
- 19 フローインジェクション法を用いた底質試料中の重金属の溶出及び含有量試験（群馬大院理工）佐々木将哉，森勝伸，板橋英之
- 20 追悼講演：大倉洋甫先生を偲んで（長崎大学薬学部）

- 黒田直敬
- 21 追悼講演: 桐栄恭二先生の思い出(岡山大学) 本水昌二
- P1 ESI-MS のイオン化部における脱水反応を利用したヒ酸、亜ヒ酸の定量法の開発(群馬大院理工) 岩丸昂輝, 小島弘誓, 佐藤記一, 角田欣一
- P2 Down scaling chemical analysis employing “PiCOSCOPE” and modern information technology (Chiang Mai University) Kanokwan Kiwfo, Kajorngai Thajee, Pheeraya Jaikang, Sutasinee Apichai, Kitti Phojuang, Yuji Oki, Kinichi Moritae, Wasin Wongwilai and Kate Grudpan
- P3 イオン抽出デバイスを接続したコロナ荷電化粒子検出器-イオン排除クロマトグラフィーによるケイ素及びホウ素の同時分離(群馬大工, 群馬大院理工, 熊本大院自然, 原子力機構) 佐柄克哉, 森勝伸, 大平慎一, 板橋英之, 渡辺茂樹, 須郷由美, 石岡典子
- P4 水溶性ポルフィリンを用いる微量リン酸の吸光検出-FIA 分析(茨城大工) 森田尚倫, 五十嵐琢, 五十嵐淑郎
- P5 腎排出機能を組み込んだ集積化マイクロ循環器モデルの開発(群馬大院理工) 作田 悠, 角田欣一, 佐藤記一
- P6 構造色を発するグルコース認識モノリスの作製と評価(東薬大院生命) 和田堯之, 土方めぐみ, 青木元秀, 熊田英峰, 内田達也, 梅村知也
- P7 オールインジェクション法を用いた底質試料中の Cu,Zn,Pb,Cd の抽出(群馬大院理工) 篠崎春香, 佐々木将哉, 森勝伸, 板橋英之
- P8 分離機能と電気化学検出機能を備えたコンパクトディスク型マイクロチップの開発(九大院工) PANG WEN, 石松亮一, 中野幸二, 今任稔彦
- P9 懸濁物質含有試料へ応用可能な小型バッチ分解と流れ分析を用いた全窒素・全りん分析(三菱化学アナリティック, 横浜国大) 長畑孝典, 大野慎介, 中村栄子
- P10 小型蒸留器を用いた蒸留とフローインジェクション分析法による全シアンの迅速定量(共立理化学研, 小川商会, 岡山大) 原知里, 上田実, 奥村浩, 岡内完治, 岡内俊太郎, 樋口慶郎, 本水昌二
- P11 蛍光性カーボンナノドットのフローインジェクション分析への応用(九大院工) 石松亮一, 中野幸二, 今任稔彦
- P12 相分離混相流の解明と機能発現(同志社大理工) 塚越一彦
- P13 海水中の溶存シリカの測定における連続流れ分析法と他法との比較(産総研) チョン千香子, 野々瀬菜穂子, 山内喜通, 三浦勉, 日置昭治
- P14 JCSS 基準物質用陰イオン標準液の開発(産総研物質計測) 三浦勉, チョン千香子, 山内喜道
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 - 見落としなどお気づきの点がございましたらお手数ですがご一報下さい。