

Foreword

## Vol. 1216, issue 47, 20 November 2009



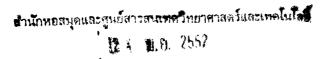
## **CONTENTS**

Abstracted/indexed in: Analytical Abstracts, Biochemical Abstracts, Biological Abstracts, BioSIS, Chemical Abstracts, Chemical Titles, Chromatography Abstracts, Elsevier BIOBASE/Current Awareness in Biological Sciences, Current Contents/Life Sciences, Current Contents/ Physical, Chemical & Earth Sciences, Deep-Sea Research/Part B: Oceanographic Literature Review, EMBASE/Excerpta Medica, Index Medicus, Mass Spectrometry Bulletin, MEDLINE, PASCAL-CNRS, Referativnyi Zhurnal, Research Alert and Science Citation Index. Also covered in the abstract and citation database SCOPUS\*. Full text available on ScienceDirect\*.

by J.V. Sweedler (Urbana, IL, USA) 8263

## 23RD INTERNATIONAL SYMPOSIUM ON MICROSCALE BIOSEPARATIONS, BOSTON, MA, USA, 1-5 FEBRUARY 2009

Separation of proteins using a novel two-depth miniaturized free-flow electrophoresis device with multiple outlet fractionation channels by M. Becker, U. Marggraf and D. Janasek (Dortmund, Germany)	. 8265
Development of an enzymatic microreactor based on microencapsulated laccase with off-line capillary electrophoresis for measurement of oxidatio reactions by G. Roman-Gusetu, K.C. Waldron and D. Rochefort (Montréal, Canada)	
A capillary electrochromatography–electron spray ionization-mass spectrometry method for simultaneous analysis of charged and neutral constituents of hepatocarcinoma cell metabolome by M. Kato (Tokyo and Shizuoka, Japan), Y. Onda, M. Sekimoto, M. Degawa and T. Toyo'oka (Shizuoka, Japan)	a
Combining tissue extraction and off-line capillary electrophoresis matrix-assisted laser desorption/ionization Fourier transform mass spectrometry for neuropeptide analysis in individual neuronal organs using 2,5-dihydroxybenzoic acid as a multi-functional agent by J. Wang, X. Jiang, R.M. Sturm and L. Li (Madison, WI, USA)	or
Isolation of tumor cells using size and deformation by H. Mohamed, M. Murray, J.N. Turner and M. Caggana (Albany, NY, USA)	
Rapid analysis of melamine in infant formula by sweeping-micellar electrokinetic chromatography by IL. Tsai, SW. Sun, HW. Liao, SC. Lin and CH. Kuo (Taipei, Taiwan)	. 8296
(End of symposium papers)	
REGULAR PAPERS	
Sample Preparation	
Liquid-liquid-solid microextraction based on membrane-protected molecularly imprinted polymer fiber for trace analysis of triazines in complex aqueou samples by Y. Hu, Y. Wang, Y. Hu and G. Li (Guangzhou, China) (Received 21 September 2009)	
Column Liquid Chromatography	
Determination of 76 pharmaceutical drugs by liquid chromatography-tandem mass spectrometry in slaughterhouse wastewater by B. Shao (Beijing, China), D. Chen (Beijing and Chengdu, China), J. Zhang, Y. Wu (Beijing, China) and C. Sun (Chengdu, China) (Received 10 August 2009) An estimation of the column efficiency made by analyzing tailing peak profiles	
by K. Miyabe, Y. Matsumoto, Y. Niwa, N. Ando (Toyama, Japan) and G. Guiochon (Knoxville, TN, USA) (Received 26 August 2009)  High selective purification of flavonoids from natural plants based on polymeric adsorbent with hydrogen-bonding interaction	. 8319
by K. Miyabe, Y. Matsumoto, Y. Niwa, N. Ando (Toyama, Japan) and G. Guiochon (Knoxville, TN, USA) (Received 26 August 2009)	. 8319
by K. Miyabe, Y. Matsumoto, Y. Niwa, N. Ando (Toyama, Japan) and G. Guiochon (Knoxville, TN, USA) (Received 26 August 2009)  High selective purification of flavonoids from natural plants based on polymeric adsorbent with hydrogen-bonding interaction by X. Geng, P. Ren, G. Pi, R. Shi, Z. Yuan and C. Wang (Tianjin, China) (Received 29 August 2009)  IgG adsorption on a new protein A adsorbent based on macroporous hydrophilic polymers. I. Adsorption equilibrium and kinetics	. 8319 . 8331 . 8339
by K. Miyabe, Y. Matsumoto, Y. Niwa, N. Ando (Toyama, Japan) and G. Guiochon (Knoxville, TN, USA) (Received 26 August 2009)  High selective purification of flavonoids from natural plants based on polymeric adsorbent with hydrogen-bonding interaction by X. Geng, P. Ren, G. Pi, R. Shi, Z. Yuan and C. Wang (Tianjin, China) (Received 29 August 2009)  IgG adsorption on a new protein A adsorbent based on macroporous hydrophilic polymers. I. Adsorption equilibrium and kinetics by E.X. Perez-Almodovar and G. Carta (Charlottesville, VA, USA) (Received 3 September 2009)  IgG adsorption on a new protein A adsorbent based on macroporous hydrophilic polymers. II. Pressure–flow curves and optimization for capture	. 8319 . 8331 . 8339 . 8348



## Contents (continued)

Comparison of various types of stationary phases in non-aqueous reversed-phase high-performance liquid chromatography-mass spectrometry of glycerolipids in blackcurrant oil and its enzymatic hydrolysis mixture by M. Lísa, M. Holčapek (Pardubice, Czech Republic) and H. Sovová (Prague, Czech Republic) (Received 23 September 2009)	
Synthesis and characterization of a novel molecularly imprinted polymer for simultaneous extraction and determination of water-soluble and fat-soluble synthetic colorants in chilli products by solid phase extraction and high performance liquid chromatography by C. Long, Z. Mai, Y. Yang, B. Zhu, X. Xu, L. Lu and X. Zou (Guangzhou, China) (Received 21 September 2009)	!
Polybutadiene-graft-polystyrene copolymer: Grafting quantification by liquid chromatography at critical conditions using single UV detection by C. Galindo, E. Beaudoin, D. Gigmes and D. Bertin (Marseilles, France) (Received 27 August 2009)	8386
Column Liquid Chromatography and Gas Chromatography	
Offline coupling of high-speed counter-current chromatography and gas chromatography/mass spectrometry generates a two-dimensional plot of toxaphene components	
by T. Kapp and W. Vetter (Stuttgart, Germany) (Received 22 September 2009)	8391
Gas Chromatography	
Rapid tool for assessment of C <sub>13</sub> norisoprenoids in wines by J. Vinholes, M.A. Coimbra and S.M. Rocha (Aveiro, Portugal) (Received 24 September 2009)	8398
Gas chromatographic quantitative structure-retention relationships of trimethylsilylated anabolic androgenic steroids by multiple linear regression and partial least squares by A.G. Fragkaki (Maroussi and Athens, Greece), A. Tsantili-Kakoulidou (Athens, Greece), Y.S. Angelis (Maroussi, Greece), M. Koupparis (Athens, Greece) and C. Georgakopoulos (Maroussi, Greece) (Received 8 September 2009)	
SHORT COMMUNICATIONS	
Column Liquid Chromatography	
Synthesis of hydrophilic boronate affinity monolithic capillary for specific capture of glycoproteins by capillary liquid chromatography by L. Ren, Y. Liu, M. Dong and Z. Liu (Nanjing, China) (Received 30 September 2009)	8421
Gas Chromatography	
Identification of sildenafil, tadalafil and vardenafil by gas chromatography-mass spectrometry on short capillary column by C.N. Man, N. Md Nor, R. Lajis and G.L. Harn (Penang, Malaysia) (Received 29 September 2009)	8426
Electrophoresis and Electrochromatography	
Rapid determination of surfactant critical micelle concentrations using pressure-driven flow with capillary electrophoresis instrumentation by F.E. Stanley, A.M. Warner (Cincinnati, OH, USA), E. Schneiderman (Mason, OH, USA) and A.M. Stalcup (Cincinnati, OH, USA) (Received 8 September 2009)	8431

