

CHROMATOGRAPHIA

An International Journal
for Rapid Communication in
Chromatography, Electrophoresis,
and Associated Techniques

Scientific Editors

E. R. Adlard, Burton, UK

T. A. Berger, Englewood, FL, USA

H. Lingeman, Amsterdam, The Netherlands

G. Massolini, Pavia, Italy

G. K. E. Scriba, Jena, Germany

R. M. Smith, Loughborough, UK

 Springer

Chromatographia

An International Journal for Rapid Communication in Chromatography, Electrophoresis, and Associated Techniques

Volume 75 · Numbers 19–20 · October 2012

ORIGINALS

Column Liquid Chromatography

Vortex Counter-Current Chromatography: Performance of a New Preparative Column

Y. Ito · R. Clary · J.J. Witten · Y. Zeng 1091

Using Size-Exclusion Chromatography to Monitor the Stabilization of Au Nanoparticles in the Presence of Salt and Organic Solvent

F.-K. Liu 1099

Fluorescence Probe of 10-Phenyl-acridone-2-sulfonyl Chloride and Its Application for Determination of Free Aliphatic Amines in Environmental Samples by HPLC with Fluorescence Detection and APCI-MS

S. Ning · J. You · Z. Sun · S. Zhang · Z. Ji 1107

A Sensitive and Selective LC-MS Method for the Determination of Lurasidone in Rat Plasma, Bile, and Urine

Y.-J. Chae · T.-S. Koo · K.-R. Lee 1117

Pharmacodynamic Differential Serum Chromatography for Identifying the Pharmacodynamic Material Basis of a Traditional Chinese Medicine

C. Wang · Q. Xiao · Y. Li · Z. Yang · Y. Wu · Y. Jia · Y. Qiao · M. Xi · A. Wen 1129

Gas Chromatography

Determination of Descriptors for Plasticizers by Chromatography and Liquid-Liquid Partition

T. Karunasekara · S.N. Atapattu · C.F. Poole 1135

Synthesis of OMS Materials and Investigation of Their Acceptor-Donor Characteristics

H. Grajek · J. Paciura-Zadrożna · J. Choma · E. Michalski · Z. Witkiewicz 1147

Relaxation and Miscibility of the Blends of a Poly (Ether Imide) (Ultem™) and a Phenol-A-Based Copolyester (Ardel™) by Inverse Gas Chromatography

F. Cakar · O. Cankurtaran · F. Karaman 1157

Optimization and Simultaneous Determination of Alkyl Phenol Ethoxylates and Brominated Flame Retardants in Water after SPE and Heptafluorobutyric Anhydride Derivatization followed by GC/MS

T.B. Chokwe · J.O. Okonkwo · L.L. Sibali · E.J. Ncube 1165

Graphene for Cleanup in Trace Analysis of Pyrethroid Insecticides in Cucumber and Spinach

X. Wu · H. Zhang · L. Meng · X. Liu · Y. Ma 1177

SHORT COMMUNICATIONS

Column Liquid Chromatography

SFC Instrument Modification to Allow Greater Flexibility in Method Development by Generating Mixtures of Solvents and Modifiers On-Line for Mobile Phase B Optimization

A.J. Alexander 1185

Enantioseparation of Some New 1-(2-Naphthyl)-1-ethanol Ester Derivatives by HPLC on Chiralcel OD

A. Karakurt · S. Saraç · S. Dalkara 1191

HPLC Approach to Evaluate the Degree of Coverage of Polymer-Coated Hexahydro-1,3,5-trinitro-1,3,5-triazine

S. Zhang · T. Zhao · G. Luo · H. Huang · Z. Cai · P. Wang 1199

Electrophoresis and Electrokinetic Chromatography

CE-MS Identification of Amino Acid Sequence Inversion as a New Degradation Pathway of an Aspartyl Model Tripeptide

C. Brückner · S.-C. Bunz · C. Neusiß · G.K.E. Scriba 1205

Separation and Determination of Stereoisomeric Impurity of Folinic Acid Diastereomers by CE with Vancomycin as a Selector

Z. Wang · C. Mu · J. Kang · Z. Hu 1211

Rapid and Sensitive Determination of Five Amine Biomarkers in Plasma Samples from Stroke Patients by MEKC with Precolumn Derivatization

L. Peng · N. Wang · H. Si · C. Wu · X. Zhang · Q. Yang 1217

BOOK REVIEW

R. Andrew Shalliker (Ed): Hyphenated and Alternative Methods of Detection in Chromatography

E.R. Adlard 1223

Further articles can be found at www.springerlink.com

Abstracted/Indexed in *Academic OneFile*, *AGRICOLA*, *Analytical Abstracts*, *ASFA*, *CAB Abstracts*, *CAB International*, *CAS*, *Chemical Abstracts Service (CAS)*, *ChemWeb*, *Chimica*, *Elsevier Biobase*, *EMBASE*, *Food Science and Technology Abstracts*, *Gale*, *GeoRef*, *Global Health*, *Google Scholar*, *IBIDS*, *INIS Atomindex*, *International Bibliography of Periodical Literature (IBZ)*, *Mass Spectrometry Bulletin*, *OCLC*, *PASCAL*, *Proquest*, *SCOPUS*, *Summon by Serial Solutions*, *VINITI* - Russian Academy of Science

Instructions for Authors for *Chromatographia* are available at www.springer.com/10337