

Vol. 70, No. 7/8

CHROMATOGRAPHIA

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

October 09

CHRGB7 1017–1302 (2009)

Scientific Editors

T. A. Berger
Englewood, FL, USA

K.-S. Boos
München, Germany

H. Lingeman
Amsterdam, The Netherlands

G. Massolini
Pavia, Italy

R. M. Smith
Loughborough, UK

Technical Editors

E. R. Adlard
Burton, UK

K. D. Altria
Harlow, UK

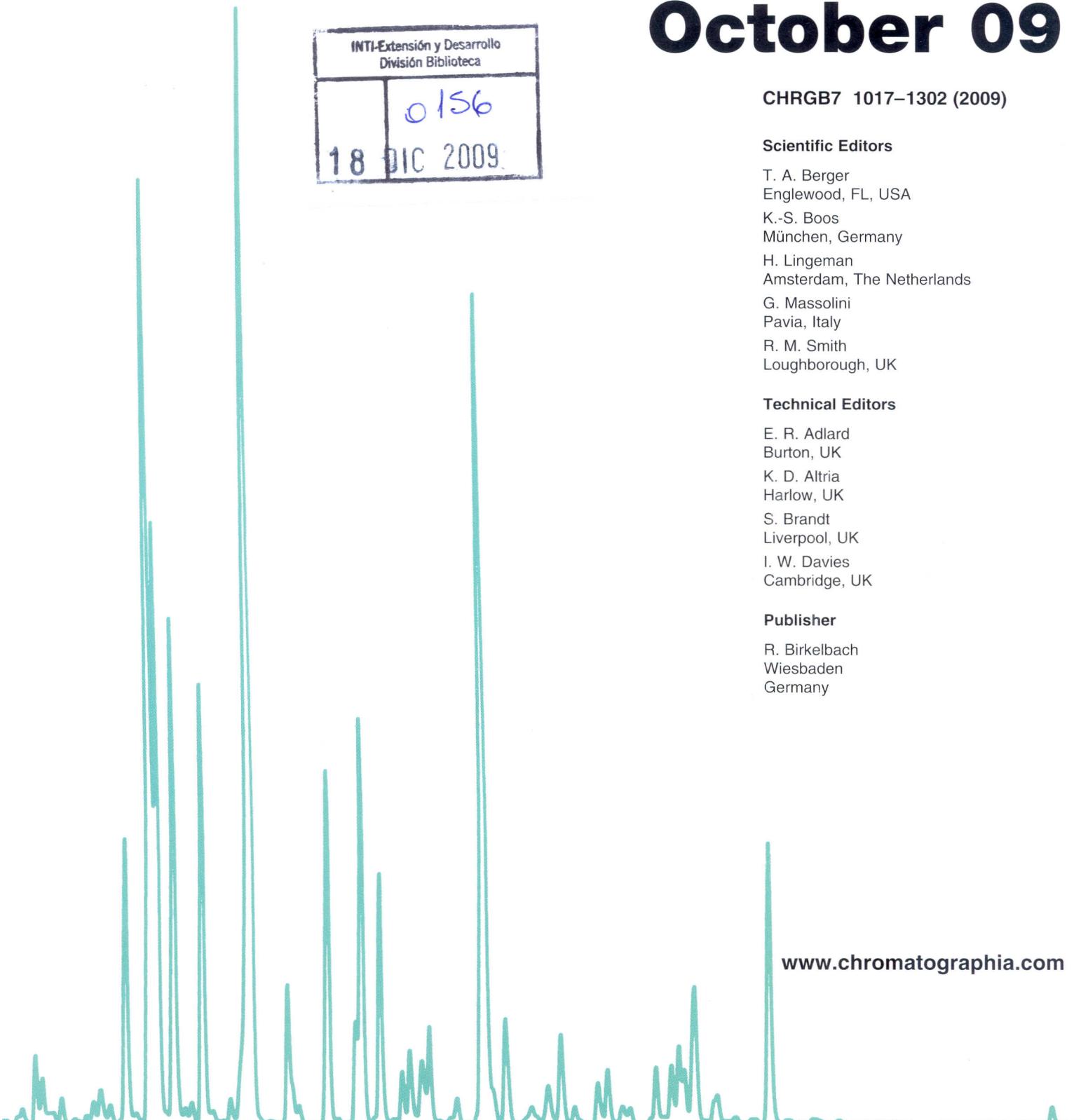
S. Brandt
Liverpool, UK

I. W. Davies
Cambridge, UK

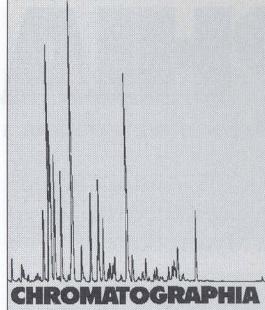
Publisher

R. Birkelbach
Wiesbaden
Germany

www.chromatographia.com



CHROMATOGRAPHIA



Contents

Vol. 70, 2009, October (No. 7/8)

Originals

Column Liquid Chromatography

Rapid Analysis of Nitrate and Nitrite by Ion-Interaction Chromatography on a Monolithic Column Hong Yu, Hongjing Ai, Qian Chen	1017
Hollow-Fiber Ultrafiltration then Centrifugation for LC Analysis of Water-Soluble Sucrose in a Water-Soluble High-Molecular-Mass Gel Matrix Junmei Li, Ye Jiang, Ting Sun, Lijuan Kang	1023
LC Separation of Enantiomers on Silica-Bonded Thiomicrostrepot Derivatives Ya-Li Hsiao, Shushi Chen	1031
Chiral Separation of Tenatoprazole and Several Related Benzimidazoles by Normal Phase LC Using Amylose-Based Stationary Phase Jin Guan, Jingjing Li, Feng Yan, Hengda Gu, Famei Li	1039
Evaluation of the Peak Capacity of Various RP-Columns for Small Molecule Compounds in Gradient Elution Y. Guo, S. Srinivasan, S. Gaiki	1125
Determination and Identification of Primary Aliphatic Amines Using 4-(1H-Phenanthro[9,10-d]imidazol-2-yl) Benzoic Acid as Novel Pre-Column Labeling Reagent by LC with Fluorescence Detection and Atmospheric Pressure Chemical Ionization Mass Spectroscopy Zhiwei Sun, Jimmao You, Lian Xia, Yourui Suo	1045
<i>N,N'</i> -Ethylenebisstearamide Additive in Intravaginal Drug Delivery Device Determined by NP-LC with ELSD T. Kauss, K. Gaudin, A. Mechraoui, M. Bouhenika, L. Peyrot, J.-P. Dubost	1055
Application of Pesticide Quantification in Unpolished Rice by LC-Dopant-Assisted Atmospheric Pressure Photoionization-MS N. Itoh, T. Otake, Y. Aoyagi, M. Matsuo, T. Yarita	1063
A Validated LC Method for Simultaneous Determination of Phenolic, Coumarin and Phthalide Compounds in the Ethanol Extract of <i>Angelica tenuissima</i> M. N. Islam, J.-W. Nam, J. Lee, E.-K. Seo, S. B. Han, D.-H. Kim, C. Jin, H. H. Yoo	1069
Molecularly Imprinted Monolithic Column for Selective On-Line Extraction of Enrofloxacin and Ciprofloxacin from Urine Hongyuan Yan, Fengxia Qiao, Kyung Ho Row	1077
Alternative LC-MS-MS Method for Simultaneous Determination of Proguanil, Its Active Metabolite in Human Plasma and Application to a Bioequivalence Study S. G. Pingale, K. K. Nerurkar, A. M. Padgaonkar, U. D. Pawar, K. V. Mangaonkar	1085
Analysis of LK-157 in Plasma by LC-MS-MS: Application to Studies of Pharmacokinetics and Degradation Pathways in Rats and Dogs P. Igličar, A. Preželj, I. Locatelli, J. Trontelj, S. Andrenšek, N. Kovačić, U. Urleb, A. Mrhar	1093

Linking to an
electronic
CrossRef
link

Electrophoresis

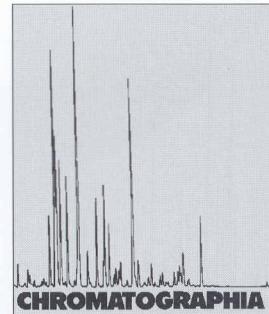
CE of Small DNA Fragments Using Linear Polyacrylamide Matrices Zheng-Ping Jia, Rong Wang, Qiao-Yun Chen, Hua Xie, Jun Ma, Yuan-Yuan Liu, Juan Wang	1117
---	------

Gas Chromatography

GC Fingerprints Coupled to Pattern-Recognition Multivariate SIMCA Chemometric Analysis for Brazilian Gasoline Quality Studies R. R. Hatanaka, D. L. Flumignan, J. E. de Oliveira	1135
Determination of Fatty Acid Based Lubricity Improver in Diesel by GC A. Chopra, D. Singh, W. R. Kalsi, V. Sugumaran, A. S. Sarpal, B. Basu	1143
Study of the Essential Oil Composition of Cumin Seeds by an Amino Ethyl-Functionalized Nanoporous SPME Fiber P. Hashemi, M. Shamsizadeh, A. Badiei, A. R. Ghiasvand, K. Azizi	1147
Analysis of Volatile Compounds Emitted from <i>Chimonanthus praecox</i> (L.) Link in Different Fluorescence and QSRR Study of GC Retention Indices Zu-Guang Li, Hui Cao, Maw-Rong Lee, De-Long Shen	1153
Essential Oil Composition of <i>Osmanthus fragrans</i> Varieties by GC-MS and Heuristic Evolving Latent Projections Chun-Di Hu, Yi-Zeng Liang, Xiao-Ru Li, Fang-Qiu Guo, Mao-Mao Zeng, Liang-Xiao Zhang, Hong-Dong Li	1163
Simultaneous Analysis of Lipid-Soluble Constituents of Erxian Decoction by GC-MS Yong Mei Hu, Stephen Cho-Wing Sze, Xiao Qi Zhang, Yao Tong	1171

Contents

Vol. 70, 2009, October (No. 7/8)



Full Short Communications

Column Liquid Chromatography

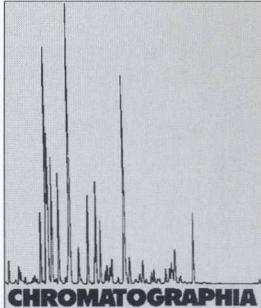
Comparison of Sepharose CL-2B and CL-4B Matrices in Purification of the Hepatitis B Surface Antigen by Affinity Chromatography E. G. Fernández, R. Valdés, Y. Medina, J. A. Montero, A. Figueroa, W. Ferro, Y. Guevara, T. Álvarez, A. Tamayo, R. M. Somoza, L. Canaán-Haden, J. L. López	1179
Preparative Isolation of Imperatorin, Oxypeucedanin and Isoimperatorin from a Traditional Chinese Herb Using a HSCCC Strategy Based on Optimization of Rapid Flow Rate Y. Wei, Q. Xie, D. Fisher, I. A. Sutherland	1185
Isolation of Terpenoids from <i>Trichilia quadrijuga</i> (Meliaceae) by Droplet Counter-Current Chromatography V. F. Rodrigues, H. M. Carmo, R. R. Oliveira, R. B. Filho, L. Mathias, I. J. C. Vieira	1191
An Efficient Method for Extraction, Separation and Purification of Naphthoquinone Pigments from <i>Lithospermum erythrorhizon</i> Sieb. et Zucc. by SFE and HSCCC Lei Feng, Haiwei Ji, Hongxia Gu, Decai Wang, Jichun Cui, Renmin Liu, Jing Zhai	1197
Analysis and Confirmation of Rodenticide Pindone in Human Plasma by IC-ESI-IT-MS Xiao-Hong Chen, Mei-Qiang Cai, Mi-Cong Jin	1201
LC Analysis of Histamine and Other Biogenic Amines in Digesta Cultures W. Engelmann, A. Zeyner, K. D. Markuske, J. R. Aschenbach	1207
Simultaneous Determination of 6 β -Hydroxycortisol and 6 β -Hydroxycortisone in Human Urine by LC with UV Absorbance Detection Xi Luo, Lijun Zhu, Wei Wu, Xiaoxi Sheng, Ningfang Cai, Shikun Liu, Zeneng Cheng	1215
Simultaneous Determination of Hydrochlorothiazide, Cilazapril and Its Active Metabolite Cilazaprilat in Urine by Gradient RP-LC Z. Vujić, M. Crevar, V. Obradović, V. Kuntić, S. Uskoković-Marković	1221
RP-LC Quantification and Pharmacokinetic Study of Iriflophenone 2-O- α -Rhamnopyranoside in Rat Plasma Jie Feng, Xiu-Wei Yang, Tong-Hua Liu	1227
Determination of Armillarisin A in Rat Plasma by SPE and LC-MS-MS Lei Li, Shaojie Wang, Xiaohong Liu, Jin Sun, Meng Zhu, Yongbing Sun, Ping Meng, Xiaofan Sui, Xiuli Yang, Yinghua Sun, Zhonggui He	1233
Determination of Defibrase in Pharmaceutical Formulation by LC with 6-Aminoquinolyl-N-hydroxysuccinimidyl Carbamate Derivatization and Fluorescence Detection Xiao-Qing Luo, Hua-Xin Yang, Cheng-Gang Liang, Shao-Hong Jin	1239
Study on Absorption of Radix Astragali in Rabbit Plasma by Alternative Moving Window Factor Analysis and LC-DAD-MS Ping Wang, Yizeng Liang, Benmei Chen	1245
Simultaneous Determination of Main Bioactive Components in <i>Rosa multiflora</i> Thunb. and Their Fragmentation Study by LC-MS Nannan Pang, Dilinur Malike, Huwei Liu	1253
Improving the Determination of Nitrovin in Feeds by Reversed-Phase LC with SPE Jinrong Wang, Zuolong Fu, Jinjin Wang	1259

Gas Chromatography

MSPD Procedure for Determination of Carbofuran, Pyrimethanil and Tetraconazole Residues in Banana by GC-MS A. Aquino, S. Navickiene	1265
Determination and Pharmacokinetic Study of Methyl Nonyl Ketone in Rat Plasma by GC-MS Yi Wu, Xinxin Xu, Taijun Hang, Shaohong Jin	1271

Thin Layer Chromatography

Lipophilicity of Some Preservatives Estimated by RP-TLC Using Stationary Phases with Different Polarity D. Casoni, C. Sârbu	1277
--	------



Contents

Vol. 70, 2009, October (No. 7/8)

Limited Short Communications

Column Liquid Chromatography	Study of the Degradation Kinetics of Carvedilol by Use of a Validated Stability-Indicating LC Method M. Rizwan, M. Aqil, A. Azeem, Y. Sultana, S. Talegaonkar, A. Ali	1283
Electrophoresis	LC with Fluorescence Detection for the Tissue Pharmacokinetics of 2-Methoxyestradiol Solution and Liposome After Intravenous Administrations to Rats Bin Du, Ying Li, Xiaotian Li, Youmei A, Zhenzhong Zhang	1287
Gas Chromatography	Enantioseparation of Dioxopromethazine Hydrochloride in Urine with Liquid-Liquid Extraction by CE-ECL Detection Xia Li, Bo Song, Baiqing Yuan, Jinying Sun, Tianyan You	1291
Thin Layer Chromatography	Simultaneous Determination of Benzodiazepines and Ketamine from Alcoholic and Nonalcoholic Beverages by GC-MS in Drug Facilitated Crimes M. Acikkol, S. Mercan, S. Karadayi	1295
	Validated Stability-Indicating Chromatographic Methods for the Determination of Veralipride in Presence of Its Degradation Products M. Y. Salem, N. N. E. D. Salama, L. M. A. E. Halim, L. E.-S. A. Fattah	1299

Calendar of Events

Instructions to Authors

Purchasing Information. Einkaufsnachweis

Chromatographs Liquid

Chromatography, HPLC-Systems

Detectors for Liquid

Wissenschaftlicher Gerätebau

Dr.-Ing. H. Knauer GmbH

Hegauer Weg 38

D-14163 Berlin

Tel. 030 / 809 727-0

Fax 030 / 801 50 10