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(本期责任编辑:罗虎璋 编排、制图:潘文革)

* 联系人

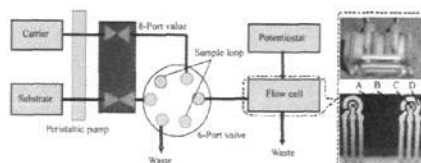
★ 该篇文章的英文电子版由 Elsevier 出版社在 ScienceDirect 上出版(<http://www.sciencedirect.com/science/journal/18722040>)

Scientific Papers

An Amperometric Immunosensor for Microcystin-(Leucine-Arginine) Based on Screen-Printed Carbon Electrode

CHEN Xiang-Qiang, HE Miao*, SHI Han-Chang, CAI Qiang

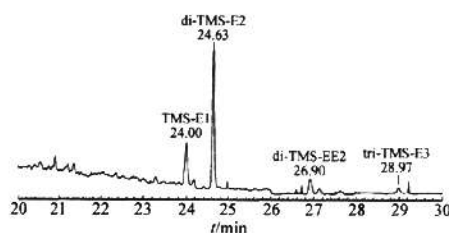
Chinese J. Anal. Chem., 2011, 39(4): 443—448



★ **Simultaneous Determination of Steroid Endocrine Disrupting Chemicals in Water by Solid Phase Extraction-Derivatization-Gas Chromatography-Mass Spectrometry**

HUANG Bin, PAN Xue-Jun*, WAN Xing, LIU Jing-Liang, ZHAO Shi-Min, HU Ping, LI Fa-Rong

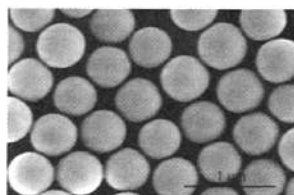
Chinese J. Anal. Chem., 2011, 39(4): 449—454



Preparation of 500 nm Spherical Silica Particles and Its Applications in Pressurized Capillary Electrochromatography

ZHANG Xiao-Hui, WANG Yan, GU Xue, QU Qi-Shu, YAN Chao*

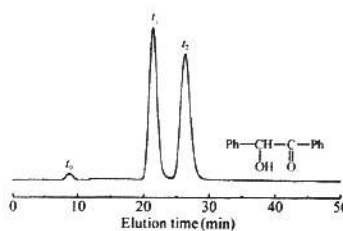
Chinese J. Anal. Chem., 2011, 39(4): 455—460



Synthesis of Cellulose Carbamate Derivatives Bearing Phenyl or 4-Methylphenyl or 4-Chlorophenyl Groups at 2- and 3-Positions and 3, 5-Dichlorophenyl Group at 6-Position and Their Chiral Recognition as Chiral Packing Materials for HPLC

QU Hai-Tao, LI Jun-Qing*, SHEN Jun, SHEN Xian-De, Yoshio Okamoto*

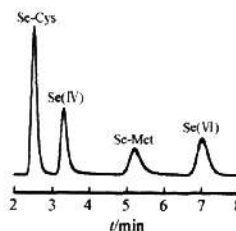
Chinese J. Anal. Chem., 2011, 39(4): 461—465



★ **Analysis of Small Molecular Selenium Species in Serum Samples From Mercury-Exposed People Supplemented with Selenium-Enriched Yeast by Anion Exchange-Inductively Coupled Plasma Mass Spectrometry**

HU Liang, DONG Ze-Qin, HUANG Xiao-Han, LI Yu-Feng*, LI Bai, QU Li-Ya, WANG Guo-Ping*, GAO Yu-Xi, CHEN Chun-Ying

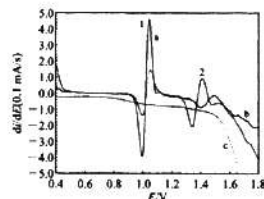
Chinese J. Anal. Chem., 2011, 39(4): 466—470



Fabrication of Single-wall Carbon Nanotube Compound Conducting Polymer Film Modified Electrode and Simultaneous Voltammetric Determination of Purine Derivatives

LIU Hai-Ping, WANG Zhen-Hui*, ZHAO Xiao-Ling

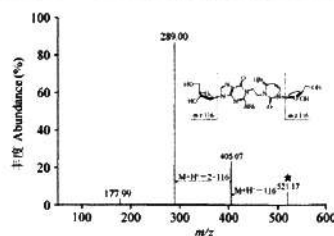
Chinese J. Anal. Chem., 2011, 39(4): 471–475



Comparative Investigation of Deoxyribonucleic Acid Interstrand Crosslinks Induced by Semustine Using Fluorescence and High Performance Liquid Chromatography-Mass Spectrometry

ZHAO Li-Jiao*, REN Ting, BAI Bao-Qing, ZHANG Ran, ZHONG Ru-Gang

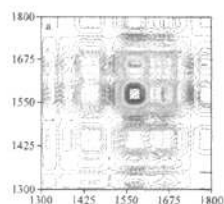
Chinese J. Anal. Chem., 2011, 39(4): 476–480



Analysis of Integral Structure of Chemical Components in Aconitum Kusnezoffii Flower and Its Extract by Infrared Spectroscopy

TU YA, BAI Jin-Liang, ZHOU Qun, SUN Su-Qin*

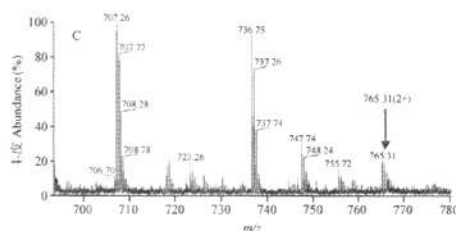
Chinese J. Anal. Chem., 2011, 39(4): 481–485



Application of Complementary Multi-enzyme Digestion for Protein C-terminal by Mass Spectrometry Sequencing

YANG Jie, YAO Shu-Sen, ZHAO Yong-Qiang, XUE Yan, LI Ping*

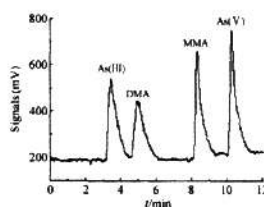
Chinese J. Anal. Chem., 2011, 39(4): 486–490



Ultrasonic Extraction of Arsenic Speciation in Atmospheric Particles with Phosphoric Acid

HE Ting-Ting, LI Bai, XU Dian-Dou*, YANG Xiao-Zhi, MA Ling-Ling, WANG Hua-Jian, WANG Yan-Fei*

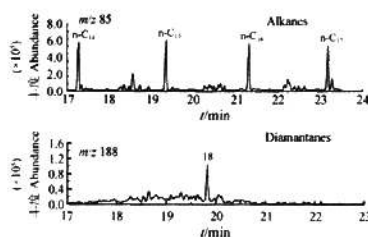
Chinese J. Anal. Chem., 2011, 39(4): 491–495



Crude Oil Identification Based on Diamondoid Fingerprinting Concentrations by Semiquantitative Method

ZHANG Kui-Ying, YANG Bai-Juan*, ZHENG Li, ZANG Jia-Ye, ZHAN Tian-Rong, WANG Xiao-Ru, Frank S. C. Lee

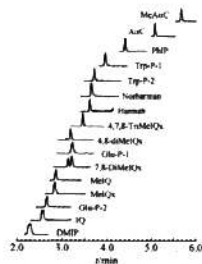
Chinese J. Anal. Chem., 2011, 39(4): 496–500



Simultaneous Determination of 15 Heterocyclic Amines in Grilled Fish Using Solid Phase Extraction and Ultra Performance Liquid Chromatography with Electrospray Ionization Tandem Mass Spectrometry

ZHANG Feng*, LÜ Quan-FU, CHU Xiao-Gang*, LI Jing, SUN Li, LING Yun, YANG Min-Li, WANG Xiu-Juan, DING Fei, XU Cheng-Bao

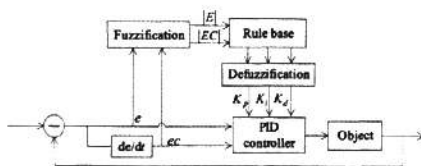
Chinese J. Anal. Chem., 2011, 39(4): 501–505



Implementation of Fuzzy Self-tuning Proportional Integral Derivative Controller on Sample-tube Spin Control System in Nuclear Magnetic Resonance Spectrometer

LIN Chao-Li, LIU Hong-Fei*, SUN Hui-Jun, ZHENG Zhen-Yao, CHEN Zhong

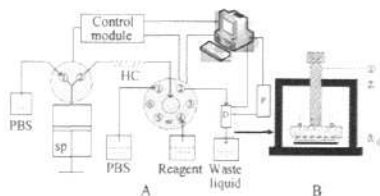
Chinese J. Anal. Chem., 2011, 39(4): 506–510



Screen-printed Biosensor System Based on Sequential Injection Analysis Method

ZHAO Fang, CAI Qiang, YANG Xiao-He, CHEN Xiang-Qiang, PENG Fang-Yi, PENG Hui-Min*

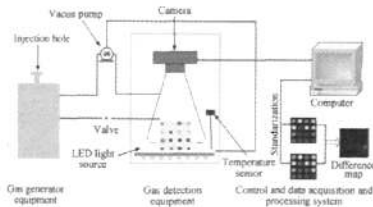
Chinese J. Anal. Chem., 2011, 39(4): 511–515



Identification of Different Aromatic Chinese Liquors by Colorimetric Array Sensor Technology

HUO Dan-Qun, YIN Meng-Meng, HOU Chang-Jun*, QIN Hui, ZHANG Miao-Miao, DONG Jia-Le, LUO Xiao-Gang, SHEN Cai-Hong, ZHANG Su-Yi

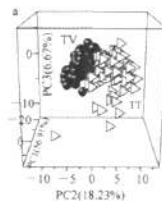
Chinese J. Anal. Chem., 2011, 39(4): 516–520



Investigation of Biochemical Diversity of Two Species of Trichomonads Based on Raman Tweezers Combined with Multistatistical Analysis

HUANG Shu-Shi, LAI Jun-Zhuo, LIANG Yu-Fen*, WEI Jun-Bin

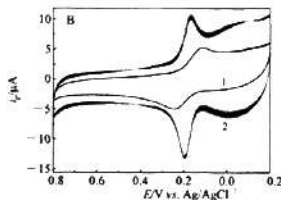
Chinese J. Anal. Chem., 2011, 39(4): 521–527



Simultaneous Determination of Hydroquinone and Catechol with Poly(glutamic acid) Modified Electrode

WANG Chun-Yan, YOU Tian-Yan*, TIAN Jian*

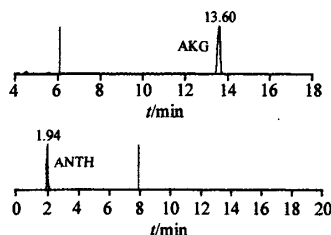
Chinese J. Anal. Chem., 2011, 39(4): 528–533



Comparison of Extraction Methods for *E. coli* Metabolome Analysis Using Liquid Chromatography Tandem Mass Spectrometry

MEI Hui, DAI Jun*, LIU Wen-Wei, LING Xia, ZHU Peng-Fei, ZHAO Zhi-Jun

Chinese J. Anal. Chem., 2011, 39(4): 534–539

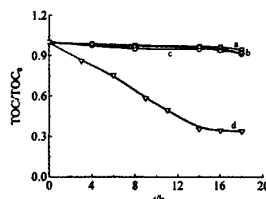


Research Notes

★ Heterogeneous Fenton Photodegradation of Microcystin-LR with Visible Light Irradiation

FANG Yan-Fen, CHEN Deng-Xia, HUANG Ying-Ping, YANG Jing, CHEN Gen-Wei*

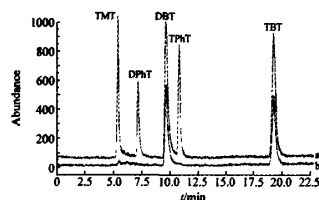
Chinese J. Anal. Chem., 2011, 39(4): 540–543



★ Speciation Analysis of Organotin Compounds in Sediment by Hyphenated Technique of High Performance Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry

YU Zhen-Hua, ZHANG Jie*, WANG Xiao-Ru

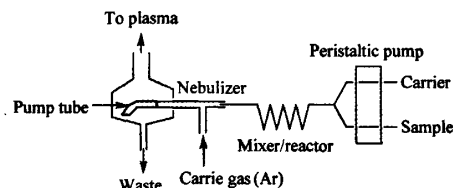
Chinese J. Anal. Chem., 2011, 39(4): 544–547



Determination of Inorganic Germanium in Health Foods by Inductively Coupled Plasma Optical Emission Spectrometry with Chloride Generation

XU Zhen-Rong, MA Xiao-Ling, JIA Xiao-Yu, HAN Yi*, DUAN Tai-Cheng*, CHEN Hang-Ting

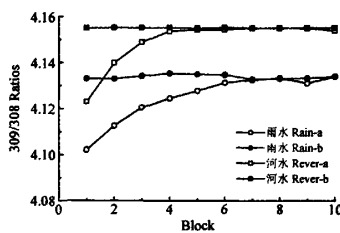
Chinese J. Anal. Chem., 2011, 39(4): 548–551



Positive Thermal Ionization Mass Spectrometric Analysis of Boron Isotope on River/Rain Water with Low Content and Rich Organic Matter

HE Mao-Yong*, XIAO Ying-Kai, ZHAO Zhi-Qi, MA Yun-Qi, XIAO Jun, ZHANG Yan-Ling, LUO Chong-guang, MA Hai-Zhou

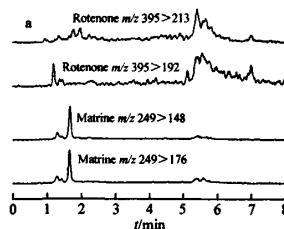
Chinese J. Anal. Chem., 2011, 39(4): 552–555



Determination of Matrine and Rotenone Residues in Aquatic Products by Liquid Chromatography-Tandem Mass Spectrometry

YANG Fang, ZHEN Dan-Ping, LIU Zhen-Cai, LIN Yong-Hui, CHEN Jian, CHEN Shou-Ping, CHEN Guo-Nan*

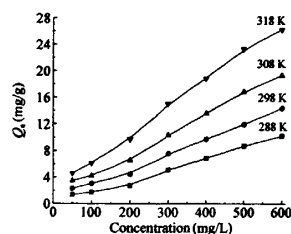
Chinese J. Anal. Chem., 2011, 39(4): 556–559



Synthesis and Evaluation of Surface Molecular Imprinted Potassium Tetratitanate Whisker for Dibenzothiophene

HUANG Wei-Hong*, ZHOU Wei, XU Wan-Zhen, XU Ping-Ping, XU Xiang-Jun, YAN Yong-Sheng*

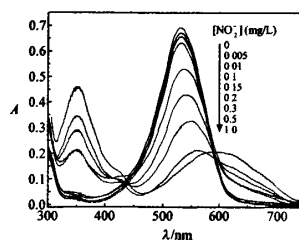
Chinese J. Anal. Chem., 2011, 39(4): 560–563



Optical Sensor Based on Phenosafranine Doped Organically Modified Sol-Gel Film for Nitrite

Abdukader ABDUKAYUM*, Muhetaer Tuerhong

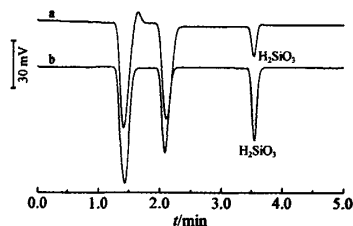
Chinese J. Anal. Chem., 2011, 39(4): 564–567



Determination of Silicate by Capillary Electrophoresis with Contactless Conductivity Detection

LI Er-Ting, YANG Li-Rong, HUANG Wen-Hui, WANG Xin, XIE Tian-Yao*

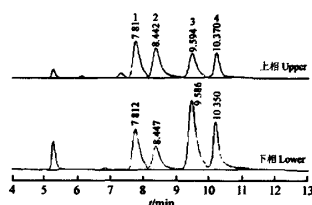
Chinese J. Anal. Chem., 2011, 39(4): 568–571



Determination of Partition Coefficient of Alkaloids from *Coptis Chinensis* Franch by Thin Layer Chromatograph-Fluorometric Spectrophotometry

HE Kai, LI Xue-Gang, CHEN Hong-Ying, YE Xiao-Li*, DENG Ya-Fei, CHEN Xin, SUN Sheng-Liang

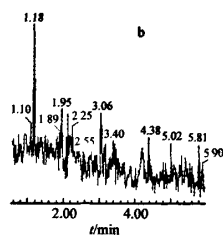
Chinese J. Anal. Chem., 2011, 39(4): 572–575



Determination of Amprolium Residues in Bovine Tissues by Liquid Chromatography with Tandem Mass Spectrometry

LI Cun, JIANG Xiao-Xiao, WU Yin-Liang*, HUANGFU Wei-Guo

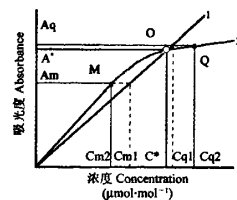
Chinese J. Anal. Chem., 2011, 39(4): 576–579



Investigating Quantitative Errors of Fourier Transform Infrared Spectra of Gas Samples

LIU Bian-Xia, SHAO Li-Min*

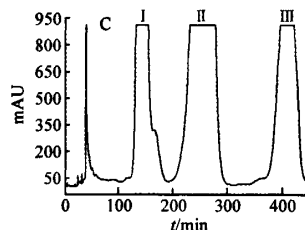
Chinese J. Anal. Chem., 2011, 39(4): 580–583



Separation and Purification of Three Xanthenes from *Swertia Mussotti* Franch by High Speed Counter-Current Chromatography

JIA Jing, LI Yu-Lin*, ZHAO Xiao-Hui,
XIAO Yuan-Can, CHEN Gui-Chen, YOU Jin-Mao,
WEI Li-Xin

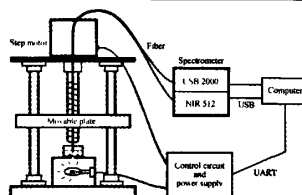
Chinese J. Anal. Chem., 2011, 39(4): 584–587



Urinary Albumin Detected by Multi-band Multi-optical Path Length Spectroscopy Technique

LI Gang*, ZHAO Zhe, LIU Rui,
WANG Hui-Quan, LIN Ling

Chinese J. Anal. Chem., 2011, 39(4): 588–591



Review and Progress

★ **Progress in Boric Acid-Based Saccharide Sensors**

DI Ling, WANG Cang, WU Jian, WAN Ling-Shu,
XU Zhi-Kang*

Chinese J. Anal. Chem., 2011, 39(4): 592–598

Because of strong interaction with diol moieties, boric acid group often plays a critical role in the design of saccharide sensors. We presents an overview about the development of saccharide sensors based on various mechanisms, including spectroscopies, pH-indicators and electrochemistry. The potential directions of future research for these boric acid-based saccharide sensors are discussed.

Summary Accounts

Rapid Determination of Oleandrin and Oleandri-genin in Biological Fluids by Ultra Performance Liquid Chromatography-Triple Quadrupole Mass Spectrometry

ZHANG Xiu-Yao*, CAI Xin-Xin

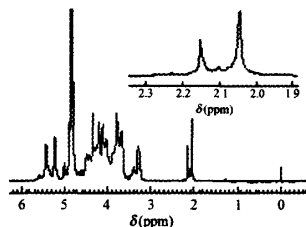
Chinese J. Anal. Chem., 2011, 39(4): 599–600

Oleandrin and oleandri-genin, the major cardiac constituents of oleander (*Nerium oleander* L.), were extracted from samples with tert-butyl methyl ether. Chromatographic separation was performed on an UPLC BEH C₁₈ column using gradient elution with 0.1% formic acid in 2 mmol/L ammonium acetate buffer-methanol, and detected by the positive electrospray ionization-MS/MS.

**Analysis of Oversulfated Chondroitin Sulfate in Contaminated Heparin by
H-NMR Internal Standard Method**

GAO Zhao-Ming, ZHANG Yu-Bing*,
YU Yong-Liang

Chinese J. Anal. Chem., 2011, 39(4): 601–602



* The author to whom the correspondence should be addressed

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