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* 联系人

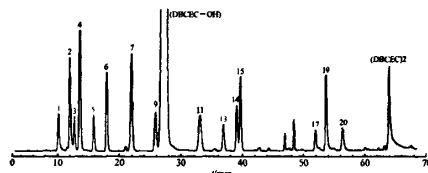
★ 该篇文章的英文电子版由 Elsevier 出版社在 ScienceDirect 上出版(<http://www.sciencedirect.com/science/journal/18722040>)

Scientific Papers

★ Application of 2-[2-(7H-dibenzo[a, g]-carbazol-7-yl)-ethoxyl Ethyl Chloroformate as A Pre-column Derivatization Reagent for Determination of Amino Acids from Hydrolyzed Cicada by High Performance Liquid Chromatography with Fluorescence Detection and Mass Spectrometric Identification

LI Xiao-Yan, YOU Jin-Mao*, SUN Zhi-Wei,
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LI Yu-Lin

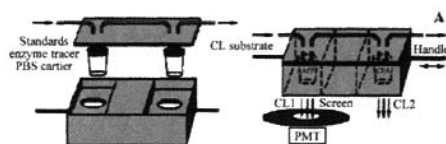
Chinese J. Anal. Chem., 2010, 38(7): 917 – 923



Chemiluminescence Immunoassay for Simultaneous Detection of α -Fetoprotein and Carcinoembryonic Antigen

LIN Jie-Hua, ZHANG Hui, MEI Zhen-Hua,
HU Kong-Cheng*

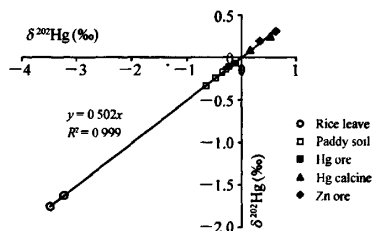
Chinese J. Anal. Chem., 2010, 38(7): 924 – 928



★ High Precision Determination of Mercury Isotope Ratios Using Online Mercury Vapor Generation System Coupled with Multi-collector Inductively Coupled Plasma-Mass Spectrometry

YIN Run-Sheng, FENG Xin-Bin*,
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WANG Jing

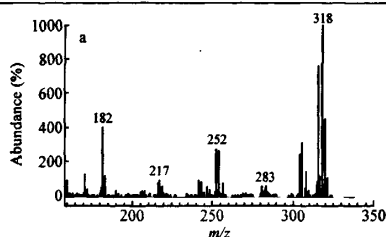
Chinese J. Anal. Chem., 2010, 38(7): 929 – 934



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HE Xiao-Lei*, YU Yong-Mei, LI Xian-Wei, LI Li

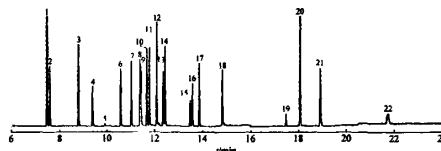
Chinese J. Anal. Chem., 2010, 38(7): 935 – 940



Determination of Multiple Azoles Fungicides Residues in Vegetables by Offline Disperse Solid Phase Extraction and Gas Chromatography-Positive Chemical Ionization Mass Spectrometry

SHEN Wei-Jian*, MAO Ying-Min, WU Bin, SHEN Chong-Yu, JIANG Yuan, ZHAO Zeng-Yun, LIU Han, GONG Yu-Xia, LIAN Hong-Zhen

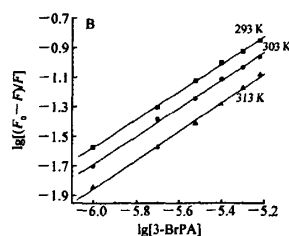
Chinese J. Anal. Chem., 2010, 38(7): 941–947



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PEI Ming-Yan, ZHENG Xue-Fang*, CAO Hong-Yu, TANG Qian

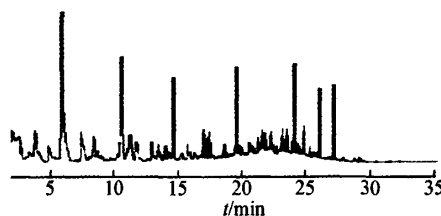
Chinese J. Anal. Chem., 2010, 38(7): 948–952



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ZHANG Yu-Rong*, GAO Yan-Na, LING Jia-Yong, ZHOU Xian-Qing

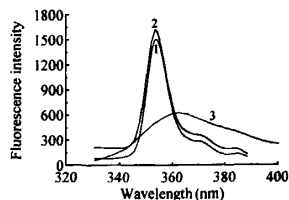
Chinese J. Anal. Chem., 2010, 38(7): 953–957



Determination of 1-Hydroxyprrene in Human Urine by Synchronous Fluorescence Spectrometry with Tween 20 as Enhancer

ZHANG Yue, MA Rui, FAN Shi-Hua*

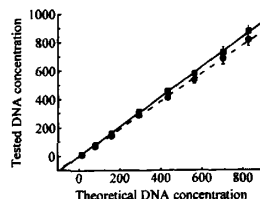
Chinese J. Anal. Chem., 2010, 38(7): 958–962



Adsorption Isotherm Measurement Correction of DNA onto Silica Sphere

QIAN Min, LI Xu, GU Hong-Chen*

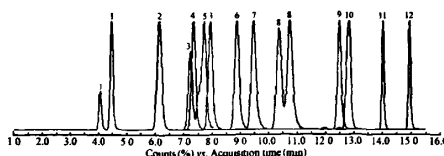
Chinese J. Anal. Chem., 2010, 38(7): 963–967



Determination of Pyrethroid Pesticides in Estuarine and Coastal Sediments by Accelerated Solvent Extraction and Liquid Chromatography-Tandem Mass Spectrometry

YANG Lin, WEN Yu-Yun, GONG Zhen-Bin*

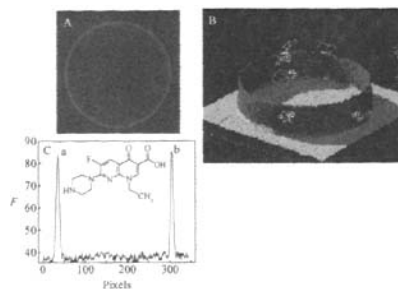
Chinese J. Anal. Chem., 2010, 38(7): 968–972



Property and Application of Aluminum-Sensitized Enoxacin Fluorescent Microscopic Imaging System

YANG Le, WANG Hong, LIU Ying*

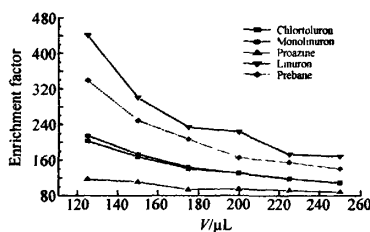
Chinese J. Anal. Chem., 2010, 38(7): 973–978



Extraction of Triazines in Environmental Water by Microwave-assisted Liquid-liquid Microextraction

WANG Ying, WANG Zi-Ming, REN Rui-Bing, XIAO Yao, YOU Jing-Yan, GAO Shi-Qian, ZHANG Han-Qi, YU Ai-Min*

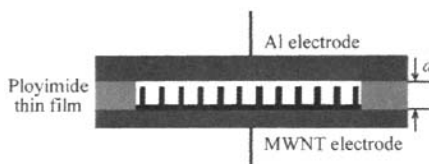
Chinese J. Anal. Chem., 2010, 38(7): 979–983



Detection of Sulfur Hexafluoride Based on Stochastic Resonance and Miniaturized Sensor Array

HUI Guo-Hua

Chinese J. Anal. Chem., 2010, 38(7): 984–988



Ultra-high Precision Determination of $^{142}\text{Nd}/^{144}\text{Nd}$ Ratio Using Thermal Ionization Mass Spectrometry

LI Chao-Feng*, LIN Yang-Tin, GUO Jing-Hui, LI Qiu-Li, LI Xiang-Hui, LI Xian-Hua

Chinese J. Anal. Chem., 2010, 38(7): 989–993

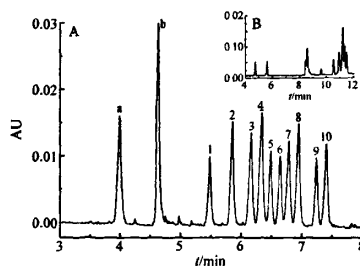
We utilize thermal ionization mass spectrometry (TIMS) to perform ultra-high precision determination of $^{142}\text{Nd}/^{144}\text{Nd}$ in the first time in China and compare both multi-dynamic mode and multi-static mode. $^{142}\text{Nd}/^{144}\text{Nd}$ isotopic ratio of international standard Jndi-1, whose external precision is better than 5×10^{-6} (2SD), is 1.1418348 and the precision is completely satisfied to technical requirements of ^{146}Sm - ^{142}Nd system.

Research Notes

Determination of Fluorobenzoic Acid by Capillary Zone Electrophoresis

LIU Tao, GUO Ming*, MENG Liang, Fu Xiao-Qin

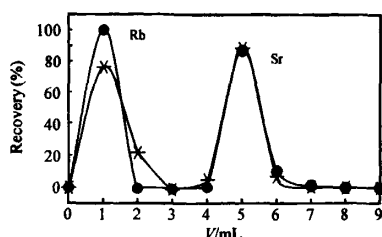
Chinese J. Anal. Chem., 2010, 38(7): 994–998



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TANG Suo-Han*, ZHU Xiang-Kun, LI Jin, WANG Jin-Hui, YAN Bin

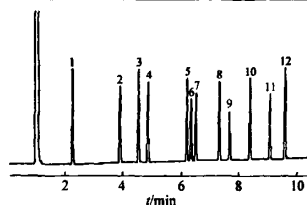
Chinese J. Anal. Chem., 2010, 38(7): 999–1002



★Phosphonium Ionic Liquids as Stationary Phases in Gas Chromatography

ZHU Hai-Yan, LU Xian-Bo, TIAN Yu-Zeng, CHEN Ji-Ping*

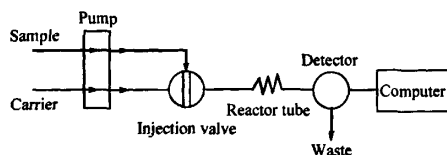
Chinese J. Anal. Chem., 2010, 38(7): 1003–1006



Determination of Chlorpromazine Hydrochloride and Promethazine Hydrochloride by Resonance Rayleigh Scattering Method Coupled with Flow Injection Technique

CHEN Pei-Li, LIU Shao-Pu, LIU Zhong-Fang, HU Xiao-Li*

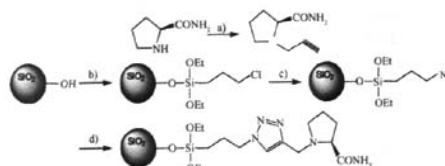
Chinese J. Anal. Chem., 2010, 38(7): 1007–1010



Preparation of A Novel Chiral Ligand Exchange Chromatographic Stationary Phase by Click Chemistry

FU Chun-Mei, SHI Hong-Yu, LI Zhang-Wan, QIAN Guang-Sheng*

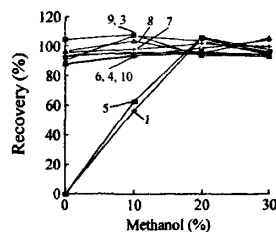
Chinese J. Anal. Chem., 2010, 38(7): 1011–1014



Rapid Determination of Tranquillizers Residues in Swine Urine by Liquid Chromatography-Tandem Mass Spectrometry

LI Cun, HUANGFU Wei-Guo, YANG Ting, WU Yin-Liang*

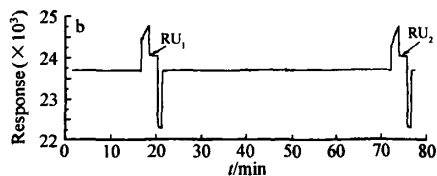
Chinese J. Anal. Chem., 2010, 38(7): 1015–1018



★ An Indirect Inhibitive Immunoassay for Detection of Low Concentration Sulfamethoxazole in Aqueous Solution

Tang Ping-Ping, Luo Zhao-Feng, Cai Ji-Bao, Su Qing-De*

Chinese J. Anal. Chem., 2010, 38(7): 1019–1022

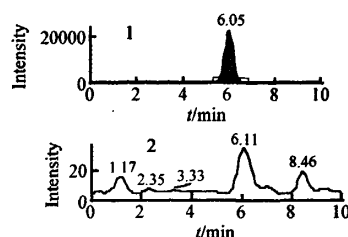


Simultaneous Determination of Seven Mental Drugs in Feeds by Liquid Chromatography-Tandem Mass Spectrometry

SUO De-Cheng, ZHAO Gen-Long, LI Lan,

SU Xiao-Ou*

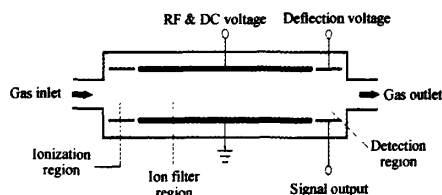
Chinese J. Anal. Chem., 2010, 38(7): 1023 – 1026



Effect of Carrier Gas Flow Rate on High-Field Asymmetric Waveform Ion Mobility Spectrometry

LIN Bing-Tao*, CHEN Chi-Lai, KONG De-Yi, LI Zhuang, WANG Huan-Qin, CHENG Yu-Peng, WANG Dian-Ling, MEI Tao

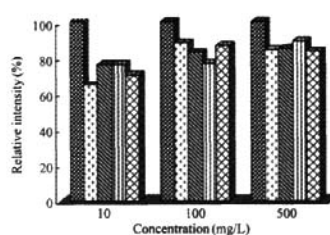
Chinese J. Anal. Chem., 2010, 38(7): 1027 – 1030



Determination of Valnemulin Residues in Chicken Tissues by High Performance Liquid Chromatography-Tandem Mass Spectrometry

WANG Rui, YUAN Li-Guo, HE Li-Min, ZHU Li-Xiang, LUO Xian-Yang, LIU Ya-Hong*

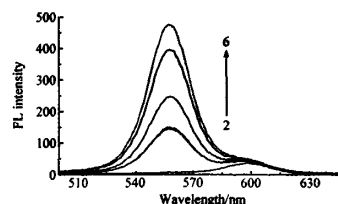
Chinese J. Anal. Chem., 2010, 38(7): 1031 – 1035



Fluorescence Resonance Energy Transfer Between Quantum Dots

LIU Hai-Yan, WU Sheng-Mei, CHENG Fang, HU Yu-Zhu, YAN Zheng-Yu*

Chinese J. Anal. Chem., 2010, 38(7): 1036 – 1039

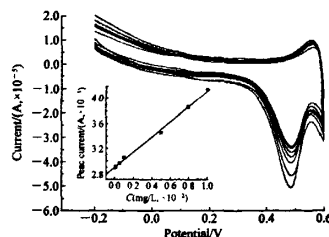


Preparation of Electrode Modified with Analogous Prussian Blue Film Doped with Copper(II) Ion by Electrochemistry and Determination of NO₂⁻ on Electrode

LIU Zhao-Rong*, WANG Yu-Chun,

GONG Qiao-Juan

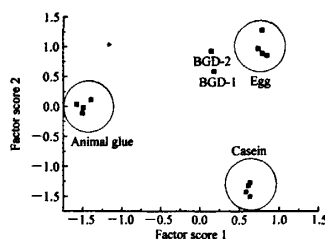
Chinese J. Anal. Chem., 2010, 38(7): 1040 – 1043



Identification of Binding Media by Amino Acid Analysis from Bogda Cham Palace, Mongolia

YANG Lu, WANG Li-Qin*, HUANG Jian-Hua, MA Tao, LI Xiao-Xi

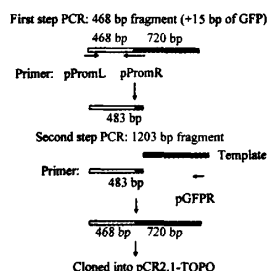
Chinese J. Anal. Chem., 2010, 38(7): 1044 – 1047



A Rapid Sensitive Biosensor System for Rapid Determination of Fluorescence Steroid

YU Yuan-Hua, WANG Jing-Hua, SONG Yu, YANG Jia-Xin, ZHANG Hao, LIU Hong*

Chinese J. Anal. Chem., 2010, 38(7): 1048 – 1051



Review and Progress

Application and Research Development of Surface Plasmon Resonance-based Immunosensors for Protein Detection

XU Xia, YE Zun-Zhong, WU Jian, YING Yi-Bin*

Chinese J. Anal. Chem., 2010, 38(7): 1052 – 1059

The determination of protein concentration is of particular interest. Combination of SPR technology and immunoassay has been used for protein detection, with specific reaction of antigen and antibody. Applications of protein SPR immunosensors were summarized in this review, including food analysis and clinical diagnosis. Meanwhile the authors also tried to review recent popular studies and their progress in this field.

★ Integrated Development of Metabonomics and Its New Progress

ZHU Chao, LIANG Qiong-Lin, WANG Yi-Ming, LUO Guo-An*

Chinese J. Anal. Chem., 2010, 38(7): 1060 – 1068

Metabonomics studies have an inevitable tendency of integration determined by their own characteristics and research mission. In the past few years, integrated development of metabonomics underwent internal integration (including technology integration, integrated analysis of various samples and integration of data processing methods) and external integration (integrated metabonomics and other omics analysis). The integration enhanced scientific foundation for metabonomics and lead scientific and technological innovation.

* The author to whom the correspondence should be addressed

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