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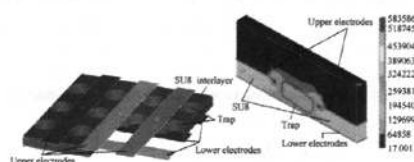
* 联系人

★ 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>)

Letters

★ Research of Three-dimensional Grid Biosensor Based on Integration of Dielectrophoretic Trap and Impedance Testing

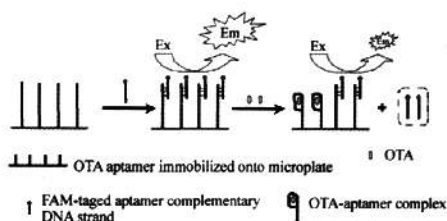
XU Jing, ZHAO Zhan*, FANG Zhen,
LIU Yong-Hong, DU Li-Dong, GENG Dao-Qu
Chinese J. Anal. Chem., 2011, 39(3): 295-299



Scientific Papers

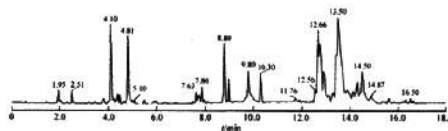
★ An Aptamer-based Fluorescence Assay for Ochratoxin A

DUAN Nuo, WU Shi-Jia, WANG Zhou-Ping*
Chinese J. Anal. Chem., 2011, 39(3): 300-304



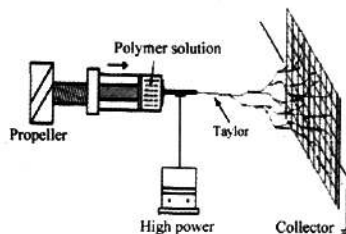
Metabolomic Profiles in Prostate Cancer Cells Progression

LIU Yong-Xia, ZHU Xiao-Li, CHEN Yu-Hua,
GUO Fei, SHEN Mo, CHEN Zhan-Guo, XU Wei,
CHEN De-Ying, TAO Zhi-Hua*
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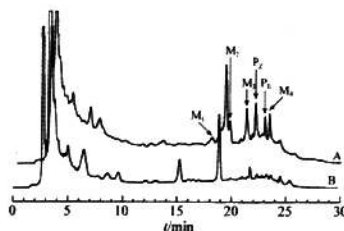
Preparation of Novel Packed-Nanofibers Solid Phase Extraction Column and Its Application to the Determination of Daunorubicin in Rat Tissues

QU Zi-Jian, KANG Xue-Jun*, WU Wei-Wei,
CHEN Bao-An, GU Zhong-Ze
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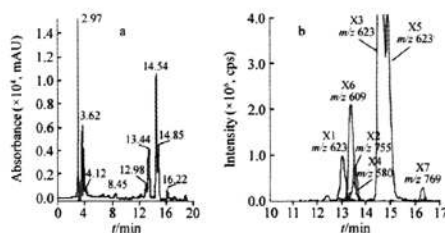
Metabolism Dynamics and Metabolite of SYP-Z048 in Botrytis Cinerea by High Performance Liquid Chromatography-Mass Spectrometry

LIU Peng-Fei, LIU Yi-Xiang, HAN Ping,
LI Jian-Qiang, LIU Jun-Li, LIU Xi-Li*
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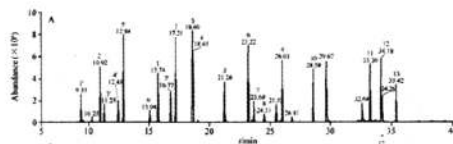
Simultaneous Structural Identification of Constituents in Active Herbal Extract of *Forsythia Suspensa* Using Nuclear Magnetic Resonance/Liquid Chromatography-Mass Spectrometry Parallel Dynamic Spectroscopy

LIU Ying, HE Jiu-Ming, SUN Rui-Xiang, LIU Chao, ZHANG Rui-Ping, SHI Jian-Gong, Abliz ZEPER*
Chinese J. Anal. Chem., 2011, 39(3): 323–329



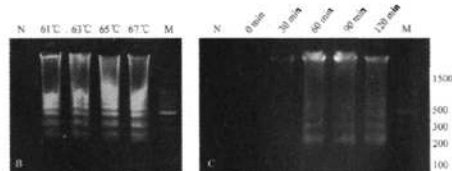
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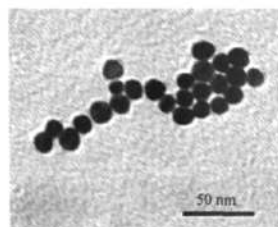
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Chinese J. Anal. Chem., 2011, 39(3): 335–340



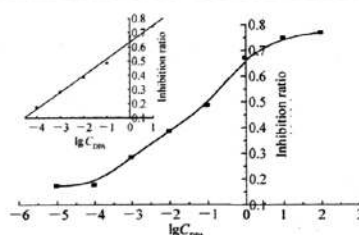
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Chinese J. Anal. Chem., 2011, 39(3): 341–345



★ **Determination of Organophosphorus Pesticides Based on Biotin-Avidin Enzyme Linked Immunosorbent Assay**

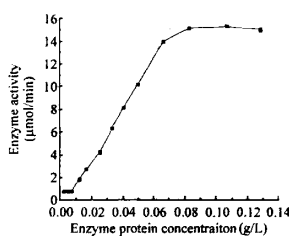
WANG Lei, ZHANG Li-Jie, LÜ Wei, HAN Shi-He, ZHANG Fu-Kai, PAN Jia-Rong*
Chinese J. Anal. Chem., 2011, 39(3): 346–350



Factors Affecting Lipase Activity Assay by Automatic pH-Stat Potentiometric Titration Method

ZHAO Wei, HUANG Zhuo-Nan, LI Na*

Chinese J. Anal. Chem., 2011, 39(3): 351—355

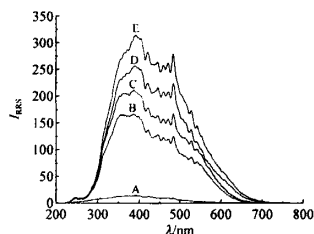


Gallic Acid Based Synthesis of Silver/Gold Nanoparticles and Resonance Rayleigh Scattering Detection of Human Serum Proteins

WANG Wen-Xing, HUANG Yu-Ping,

XU Shu-Kun*

Chinese J. Anal. Chem., 2011, 39(3): 356—360

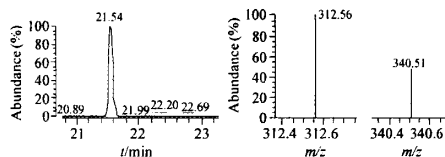


Determination of Polybrominated Diphenyl Ethers and Their Metabolites in Cell Culture Using Gas Chromatography/Tandem Mass Spectrometry

SU Guan-Yong, WEN Quan, WEI Si,

FENG Jian-Fang, LIU Hong-Ling, YU Hong-Xia*

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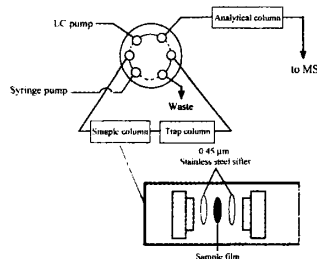


Determination of Three Plant Neurotransmitters by On-line Liquid Chromatography-Tandem Mass Spectrometry

CAO Jin, MIAO Lan, LIU Jian-Xun, QI Xue-Yong,

Susan J Murch*

Chinese J. Anal. Chem., 2011, 39(3): 367—371

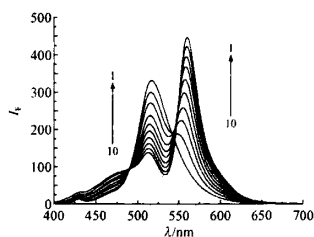


Fluorescence Resonance Energy Transfer Between Calcein and Phloxine in Micellar Media

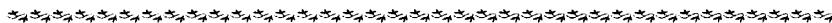
TAO Hui-Lin*, ZHU Shi-Yi, SHOU Hong-Juan,

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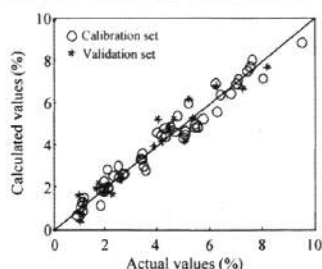


Research Notes



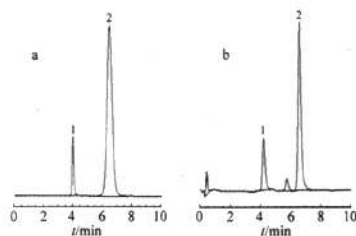
Determination of Total Main Ginsenosides Contents in American Ginseng and Chinese Ginseng Using Near Infrared Spectroscopy

HUANG Ya-Wei, WANG Jia-Hua,
Jacqueline J. Shan, LEI Ling, HAN Dong-Hai*
Chinese J. Anal. Chem., 2011, 39(3): 377–381



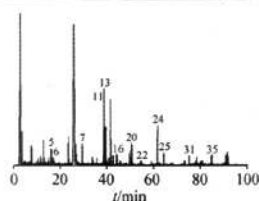
Determination of 2,6-Dimethyl- γ -pyrone and Acetylacetone by High Performance Liquid Chromatography

ZENG Hong-Yan, DUAN Zheng-Kang*,
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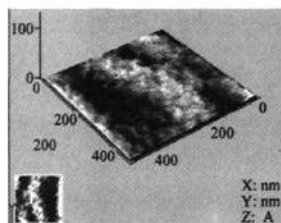
High Performance Liquid Chromatographic Fingerprint of Yangxue Qingnao Granules

LI Wen-Bo, HAN Jian-Ping, GAO Jun, NI Qian,
HANG Tai-Jun*
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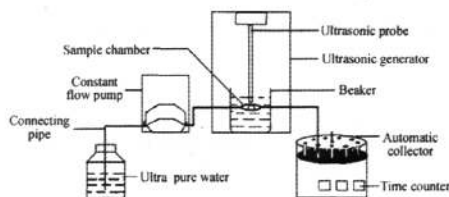
★ **Electrochemical Deoxyribonucleic Acid Damage Treated with Perfluorinated Compounds on Peroxide Polypyrrole Modified Gold Electrode**

LU Li-Ping*, WANG Fei, KANG Tian-Fang,
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Chinese J. Anal. Chem., 2011, 39(3): 392–396



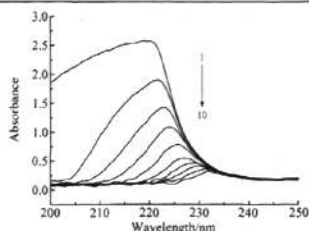
Dynamic Ultrasound-assisted Extraction and High-throughput for Analysis of Fructans from *Kalimeris Integriifolia* by 96-Well Format

TIAN Shang-Yi, WAN Hong-Zhi, HUANG Guo-Hui,
YANG Yun-Fei*, ZHANG Yi-Fei, SHAO Shuai
Chinese J. Anal. Chem., 2011, 39(3): 397–400



Interaction of Zn(II) Complex of Rhein with Bovine Serum Albumin

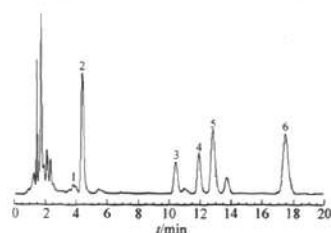
ZHAO Fang*, HUANG Chao-Feng, LIANG Hui,
XIONG Wei, CHEN Yan, HU Xin-Yi
Chinese J. Anal. Chem., 2011, 39(3): 401–404



Simultaneous Determination of Six Nucleosides and Bases in Beer and Herring Sperm Deoxyribonucleic Acid by Cation Exchange Liquid Chromatography

HOU Sheng-Jie, DING Ming-Yu*

Chinese J. Anal. Chem., 2011, 39(3): 405–408



Synthesis and Properties of New pH Sensitive Chitosan Fluorescent Nanoparticles

YU Hui, LIANG Shu-Cai*, ZHONG Hai-Di, FU Ting, YAN Guo-Ping*

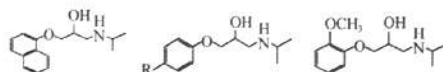
Chinese J. Anal. Chem., 2011, 39(3): 409–413



Molecular Docking Studies of β -Receptor Blocker and Its Analogues of Capillary Electrophoresis Chiral Recognition Mechanism

XIA Dong-Hui, SHANG Yong-Hui, LI Hua*

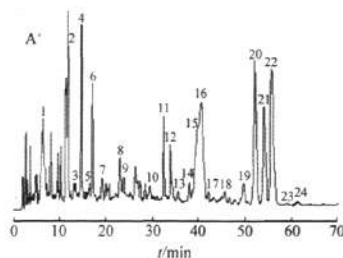
Chinese J. Anal. Chem., 2011, 39(3): 414–418



Analysis of Anthocyanins in *Brassica Oleracea* L. var. Capitata L. and *Brassica Oleracea* var. Acephala D. C. by High Performance Liquid Chromatography-Electrospray Ionization/Quadrupole-Time of Flight-Mass/Mass Spectrometry

LIU Yu-Qin, JIANG Ting, ZHAO Xian-En, YANG Guo-Dong, DU Jin-Hua, WANG Xiao*

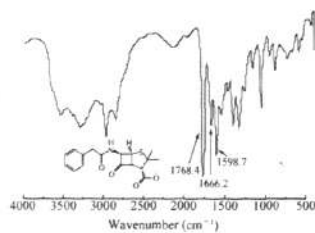
Chinese J. Anal. Chem., 2011, 39(3): 419–424



★Separation Behavior of Penicillin in Aqueous Two-Phase Flotation

BI Peng-Yu, CHANG Lin, DONG Hui-Ru*

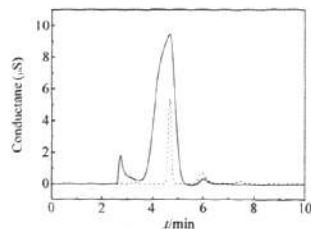
Chinese J. Anal. Chem., 2011, 39(3): 425–428



Determination of Chlorine in Reforming Catalyst by Ion Chromatography with Eluent Autogeneration

ZHAO Ya-Jun*, XIE Li, ZHOU Yong, FENG Yi-Li

Chinese J. Anal. Chem., 2011, 39(3): 429–431



★ Application of Biosensor Surface Immobilization Methods for Aptamers

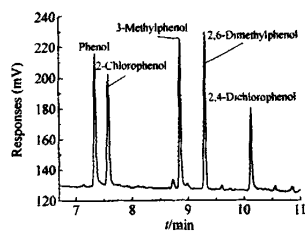
ZHOU Ling, WANG Ming-Hua, WANG Jian-Ping*,
YE Zun-Zhong
Chinese J. Anal. Chem., 2011, 39(3): 432–438

Aptamer with small molecular weight, simple structure and easy synthesis, repeatable usage and long-term preservation, has important applications in biosensor field. Several common used methods for aptamer fixed onto the sensor surface were introduced in this view, including the gold-sulfur self-assembled monolayers, covalent bond, biotin/avidin affinity, complementary nucleic acid chain connection, as well as current research progress and the characteristics of each method. The wide detection range, low detection limit, short detection time and multi-detection will be the development trend and emphasis for aptasensors used in food quality and safety testing, disease diagnosis, drug analysis, environment monitoring, etc.

Experimental Technique and Instrument

★ Development of a Micro-flame Ionization Detector for Portable Gas Chromatography

WANG Jian-Wei, PENG Hong, DUAN Chun-Feng,
GUAN Ya-Feng*
Chinese J. Anal. Chem., 2011, 39(3): 439–442



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