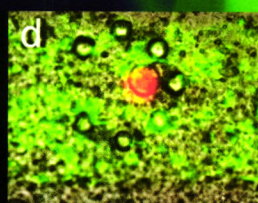
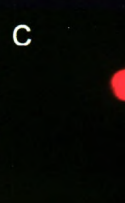
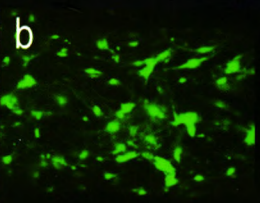
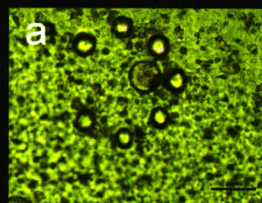
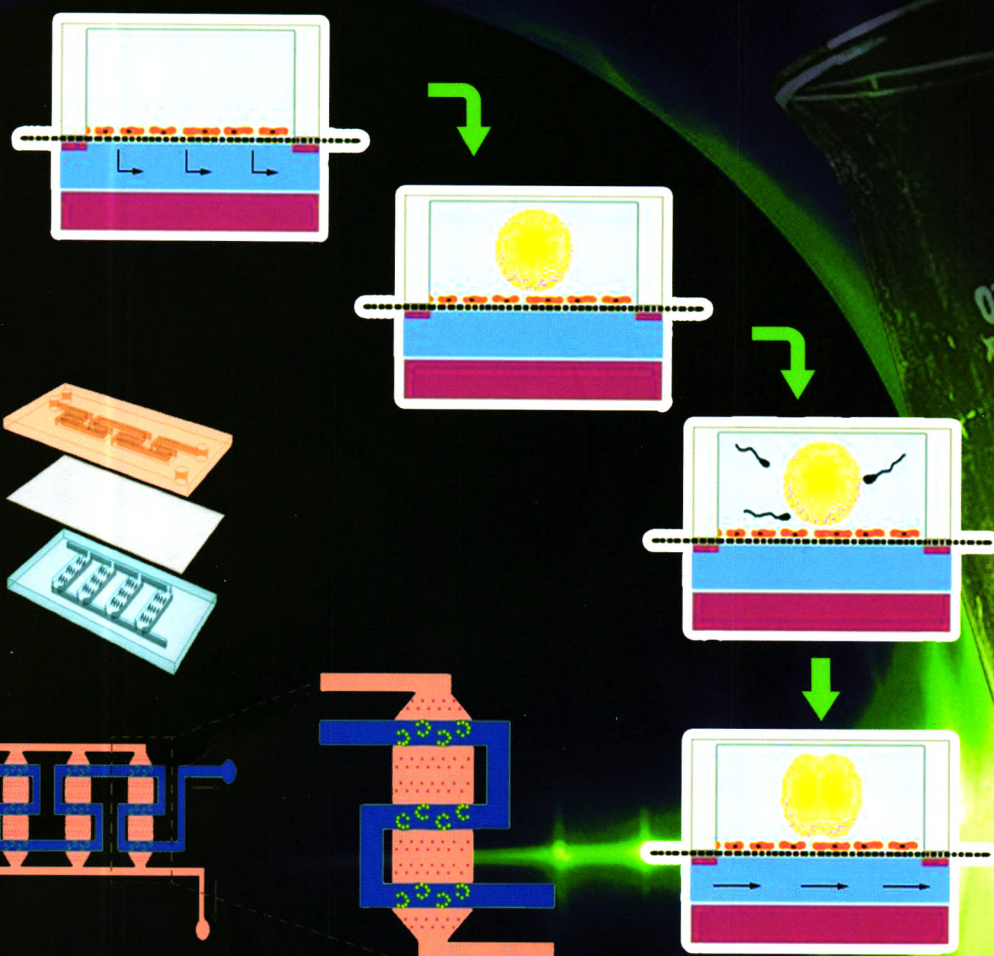


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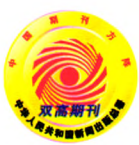
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分析化学

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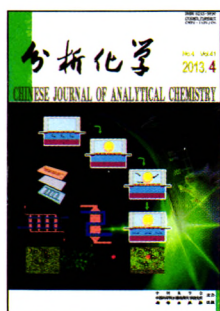
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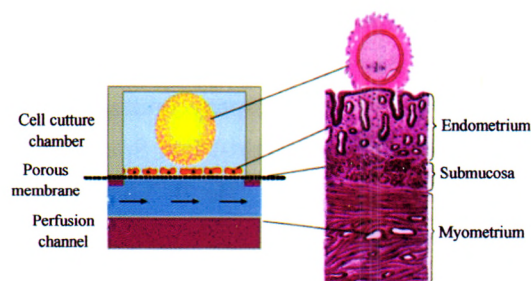
On page 467, LI *et al* demonstrate a microfluidic uterus features perfusion co-culture of embryos with endometrial cells. A series of steps related to embryogenesis, including ovulation, fertilization, implantation and embryo formation, were continuously implemented on the microfluidic chip.

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★ Uterus on a Microfluidic Chip

LI Wei-Xuan, LIANG Guang-Tie, YAN Wei,
ZHANG Qiong, WANG Wei, ZHOU Xiao-Mian,
LIU Da-Yu *

Chinese J. Anal. Chem., 2013, 41(4): 467–472

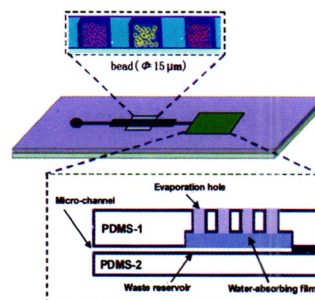


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★ A Microfluidic Microbeads Array Chip
Integrated with Micro-fluid Driven
Micro-pump for Discrimination of Gene
Mutation

ZHANG He *, FU Xin, ZHU Zhen-Jun

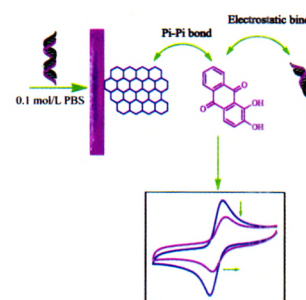
Chinese J. Anal. Chem., 2013, 41(4): 473–480



★ Application of Alizarin/Graphene-Chitosan
Modified Electrode on Detection of Human
Telomere DNA

JIANG Yuan-Yuan, WANG Kun,
XU Chong-Zheng, YANG Xiao-Di *,
LI Hui-Hui *

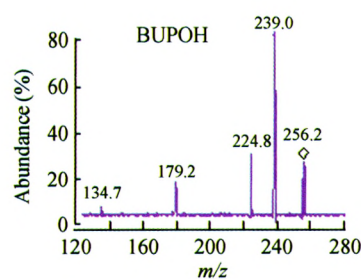
Chinese J. Anal. Chem., 2013, 41(4): 481–487



Simultaneous Quantitation of Six Cytochrome P450 Enzyme Probe Metabolites by Ultra-high Performance Liquid Chromatography Tandem Mass Spectrometry

SHEN Guo-Lin, ZHONG Yu-Huan, YUAN Mei, ZHUANG Xiao-Mei, LI Hua *

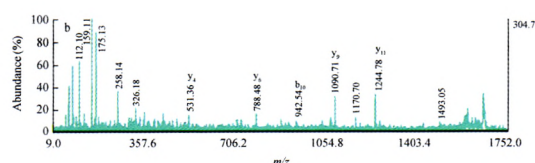
Chinese J. Anal. Chem., 2013, 41(4): 488–493



★ **Uncommon Modifications and Dehydration Reaction in the Analysis of Lysozyme by Matrix-assisted Laser Desorption Ionization Tandem Time of Flight-Mass Spectrometry**

WANG Yong *, LI Shui-Ming, HE Man-Wen

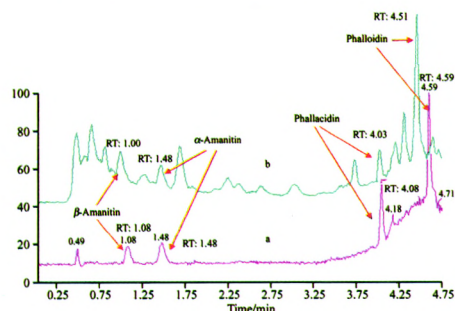
Chinese J. Anal. Chem., 2013, 41(4): 494–499



Identification of Four Toxin Peptides from Amanita in Poisonous Mushroom by Mass Spectrum Fingerprint Based on Ultra Performance Liquid Chromatography Electrospray Ionization Quadrupole Time of Flight-Mass Spectrometry

LIU Jie *, Ding Wen-Jie, He Bi-Ying, Luo Lan, Huang Qiang

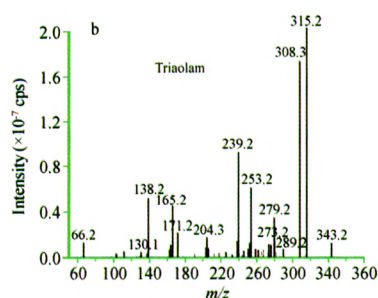
Chinese J. Anal. Chem., 2013, 41(4): 500–508



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YAN Ai-Hua, LI Xian-Liang, XI Cun-Xian, ZHANG Lei, XIA Shuang, WANG Guo-Min, TANG Bo-Bin, MU Zhao-De *

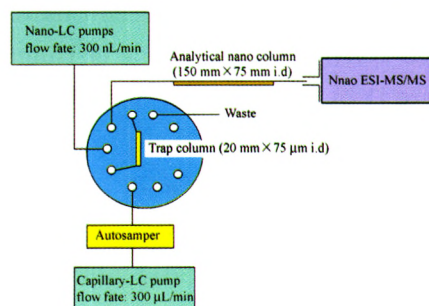
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SHI Xian-Zhe, CAI Bin, HUANG Si-Teng, SHAN Yuan-Hong, ZHANG Ting-Ting, LU Xin, XU Guo-Wang *

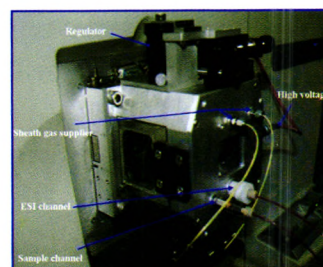
Chinese J. Anal. Chem., 2013, 41(4): 517–522



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XU Ning, ZHU Zhi-Qiang, YANG Shui-Ping, WANG Jiang, GU Hai-Wei*, ZHOU Zhen, CHEN Huan-Wen

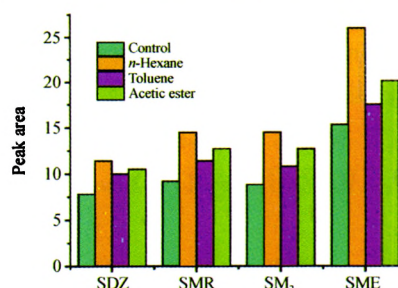
Chinese J. Anal. Chem., 2013, 41(4): 523–528



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PENG Ying, HE Huan, SUN Cheng, ZHANG Ya-Ling, LI Wen-Chao, CHEN Hong-Zhe, YANG Shao-Gui*

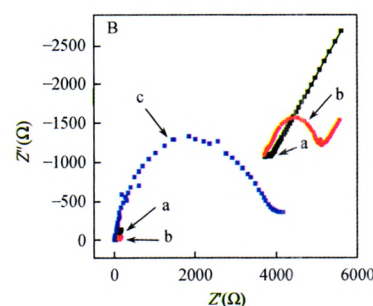
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★ **Construction of Electrochemical Sensor Based on Poly Dopamine-Hyaluronic Acid Composite Membrane for Detection of Hydrogen Peroxide**

ZHANG Lin, YIN Hua-Bin, LUO Jian-Jun, YANG Pei-Hui*, CAI Ji-Ye

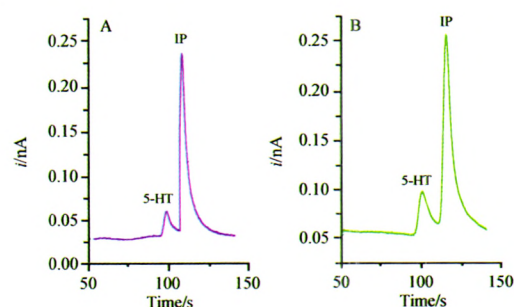
Chinese J. Anal. Chem., 2013, 41(4): 534–539



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CHENG Han*, LAN Jia-Feng, WEI Guang-Han, HUANG Wei-Hua, CHENG Jie-Ke

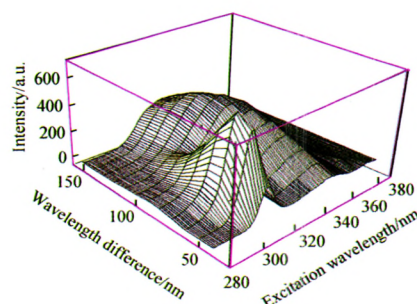
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ZHAO Jin-Hui, YUAN Hai-Chao, LIU Mu-Hua*, XU Jiang, XIAO Hai-Bin

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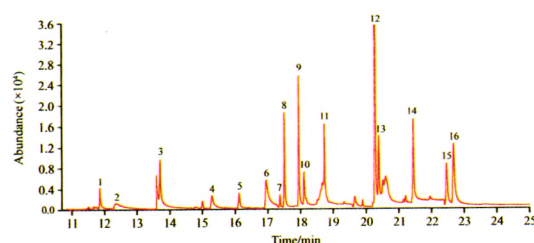


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Chromatography-Tandem Mass Spectrometry

LIU Xiao-Liang, LI Xue-Sheng, LIU Shao-Wen, ZHAO Peng-Yue, ZHOU Li, PAN Can-Ping*

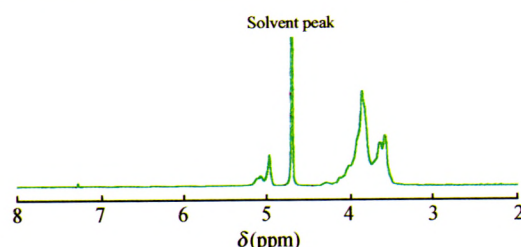
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YUAN Rui-Juan*, WANG Xiong-Fei, ZHAN Xue-Yan, LIU Yu-Hong, LIU Xiao-Ya, Cao Yan-Ling

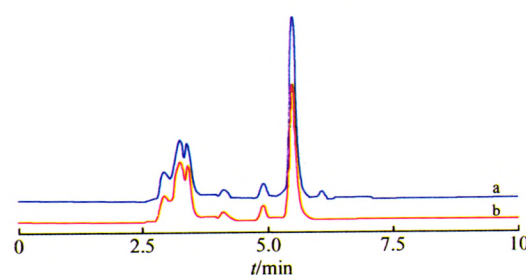
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Determination of Clofencet in Wheat Grain by High Performance Liquid Chromatography

ZHU Qi-Di, SANG Qing, WANG Chun-Ping, ZHANG Gai-Sheng*, CHEN Zheng, ZHAO Xin-Liang, MA Shou-Cai, WANG Jun-Wei, NIU Na

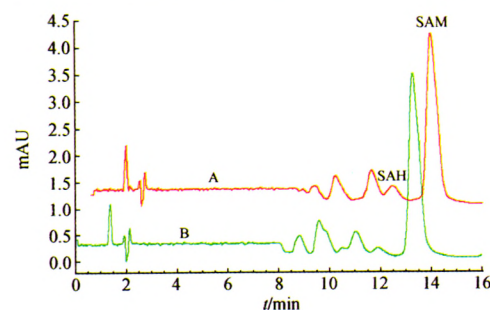
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Simultaneous Determination of S-Adenosylmethionine and S-Adenosylhomocysteine in Red Blood Cells of Mice by High Performance Liquid Chromatography with Ultraviolet Detection

TANG Xiu-Fang, WANG Jian, ZHANG Xiao-Qing, GAO Ru-Fei, DING Min*

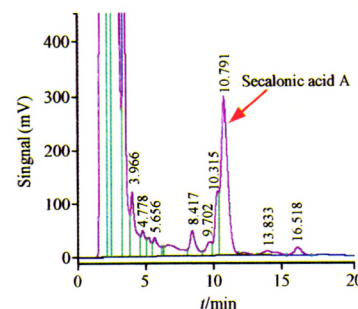
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WANG Yan-Hong, WU Xiao-Min, ZHU Yan-Ping, YANG Xin-Dong, LI Yue-Ru*

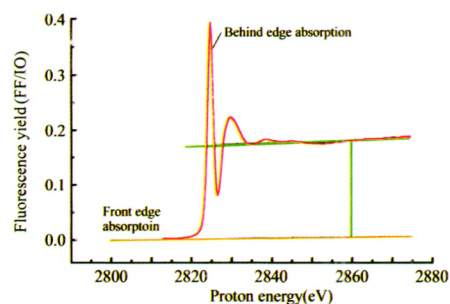
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ZHANG Bo, LANG Chun-Yan*, MA Ling-Ling, YANG Guo-Sheng, GONG Cang, ZHENG Lei, MA Chen-Yan, ZHAO Yi-Dong, HU Tian-Dou, XU Dian-Dou*

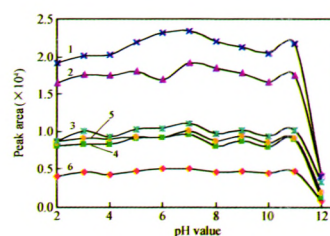
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Preparation of Stir Bar Sorptive Extraction Based on *o*-Nitrophenol Imprinted Polymer and Its Extraction Performance

NONG Shu-Yu, LIN Fu-Hua, CHEN Lin-Li, HUANG Xiao-Jia*, YUAN Dong-Xing

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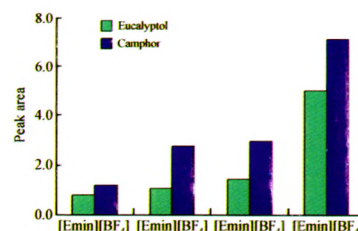


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Simultaneous Determination of Camphor and Encalyptol in Rheo-camphoradin by Ionic Liquids-Headspace-Gas Chromatography

ZHANG Lin, NI Mei-Ping, JIANG Ye*

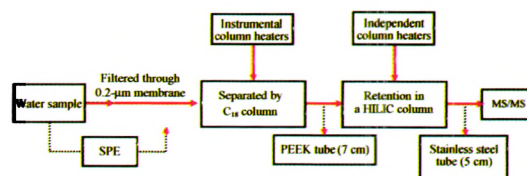
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Simultaneous Determination of Acrylamide, Caprolactam, Benzidine and Aniline by Ultra Performance Liquid Chromatography Tandem Mass Spectrometry with Two Coupled Columns

ZHU Li-Bo, XU Neng-Bin, FENG Jia-Yong*, QIAN Fei-Zhong, CHEN Zhong-Quan

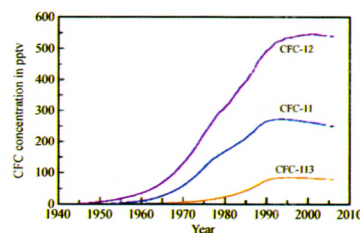
Chinese J. Anal. Chem., 2013, 41(4): 594–597



★ **Determination of Chlorofluorocarbons in Groundwater by Purge and Trap and Secondary Cold Trap Coupled with Gas Chromatography/Mass Spectrometry**

ZHANG Jiang-Yi, Li Guo-Min*, Guo Wei

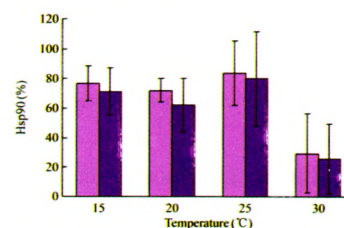
Chinese J. Anal. Chem., 2013, 41(4): 598–601



Effect of Temperature on Response of *Caenorhabditis Elegans* under Arsenic Stress

LI Zhu-Heng, HOU Xiao-Li, XU Jing-Bo*, WANG Yun-Biao*

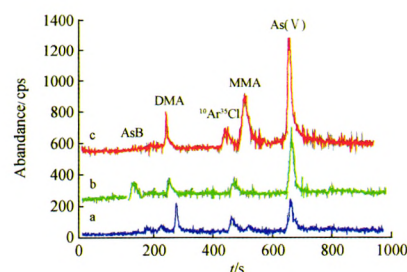
Chinese J. Anal. Chem., 2013, 41(4): 602–605



Summary Accounts

Study on Arsenic Species in Children Plasma Samples with Leukemia

SHU Xiao-Liang, ZHONG Jing-Xia*, LI Xue-Mei,
KANG Kai, LIU Xian-Li, CAI Dong-Lian
Chinese J. Anal. Chem., 2013, 41(4): 606–607



Review and Progress

Applications of Functional Nanomaterials in Electrochemical Immunosensor

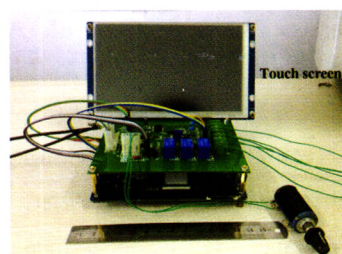
WANG Guang-Feng, ZHU Yan-Hong,
CHEN Ling, WANG Lun*
Chinese J. Anal. Chem., 2013, 41(4): 608–615

Due to its unique properties, the novel functional nanomaterials gradually enter the electrochemical immunosensor fields and open a broad world for researching and developing the electrochemical immunosensor. The main applications of functional nanomaterials in electrochemical immunosensor include using nanomaterials to modify sensor surface, immobilize matrix of biomolecules and signal labels. Functional nanomaterials label amplifying the signal are used for the fabrication of super sensitive electrochemical immunosensor.

Experimental Technique and Instrument

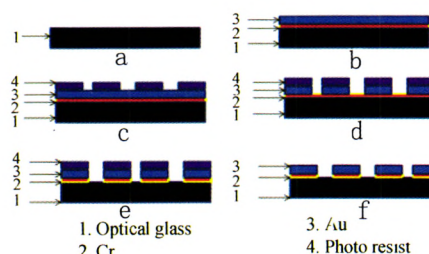
A Portable Capacitively Coupled Contactless Conductivity Detector Based on ARM9 Micro-processor

LIU Jun-Shan, WANG Ning, XU Zheng*,
AN Liang-Kun, XU Fei, YAN Xiao-Chong,
LIU Chong, WANG Li-Ding
Chinese J. Anal. Chem., 2013, 41(4): 616–620



Development of Electrochemical Array Based on Micro Electro-Mechanical Systems

ZHAO Zhao-Hui, WANG Li, GAN Xian-Yun,
ZHU Chang-An, LIU Cheng-Gui, ZHENG Jun,
XIE Guo-Ming*
Chinese J. Anal. Chem., 2013, 41(4): 621–626



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