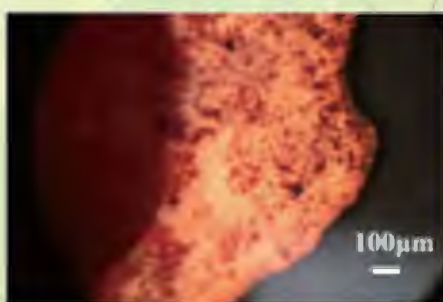
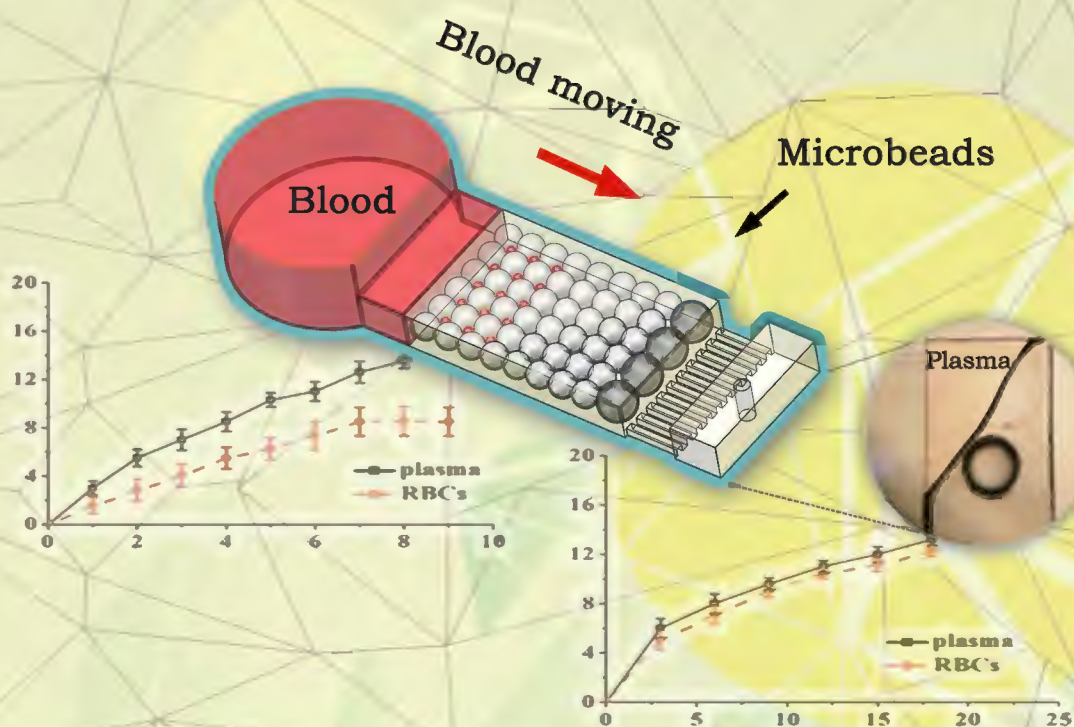


分析化学

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中国实验室用途 ODS 管理平台(文前6) 艾卡(广州)设备有限公司(文前7) 大连依利特分析仪器有限公司(文前8)

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上海通微分析仪器有限公司(文中2) 北京海光仪器公司(封三) 北京坛墨质检科技有限公司(封底)

(本期责任编辑:罗虎璋 编排:潘文革)



On page 661–668, Chen et al developed a microfluidic device based on microbead-stacking to separate plasma from whole blood. The plasma was extracted from whole blood by capillary force and finally accumulated in the collecting chamber. An agglutination test was carried out in the collecting chamber and the blood group could be determined quickly.

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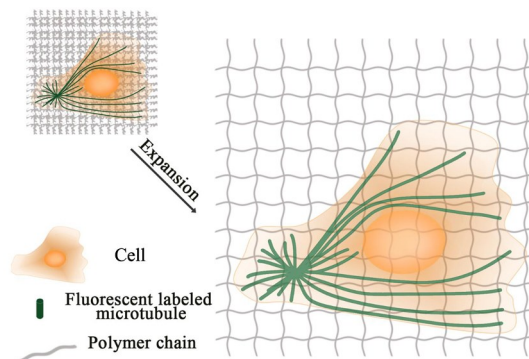
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★ Expansion Microscopy Imaging Technique and Its Application

CHEN Kai, ZHANG Ying-Chun *,

ZHAO Guan-Fang

Chinese J. Anal. Chem., **2019**, 47(5): 643–651

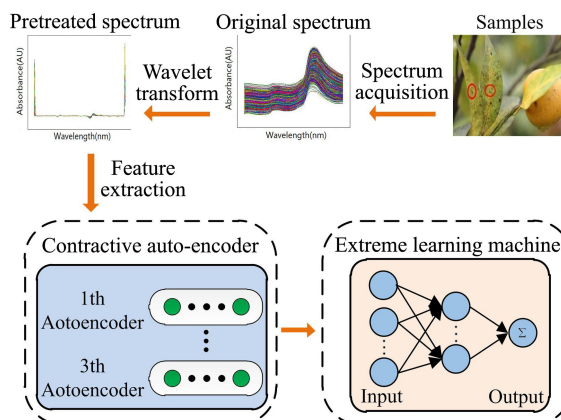


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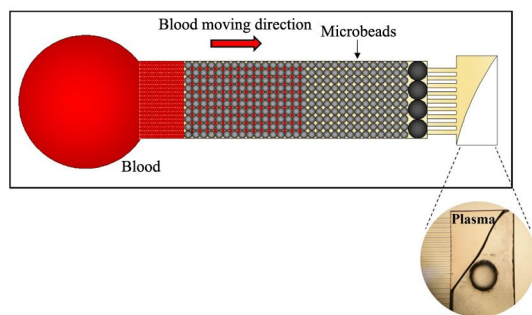
LU Hao-Xiang, XU Ming-Chang, ZHANG Wei-Dong, YANG Hui-Hua *, LIU Zhen-Bing

Chinese J. Anal. Chem., **2019**, 47(5): 652–660



★ **Microchannel with Stacked Microbeads for Separation of Plasma from Whole Blood**

CHEN Meng-Di, YANG Yan-Ting,
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Chinese J. Anal. Chem., **2019**, 47(5): 661–668



Nuclear Magnetic Resonance-based Metabonomic for Study of Feces from Rats Treated with Root of *Euphorbia Fischeriana* Steud Extract

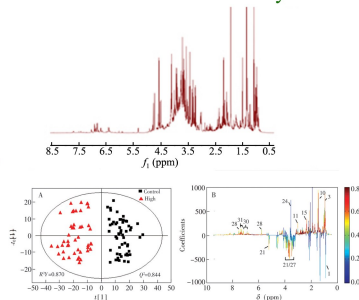
WANG Xia, XU Can, WU Xiu-Yuan, SUN Wen-Ting, WANG Ying-Feng, LI Zhong-Feng*
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E. fischeriana extract
administration



Feces samples

Metabonomic study

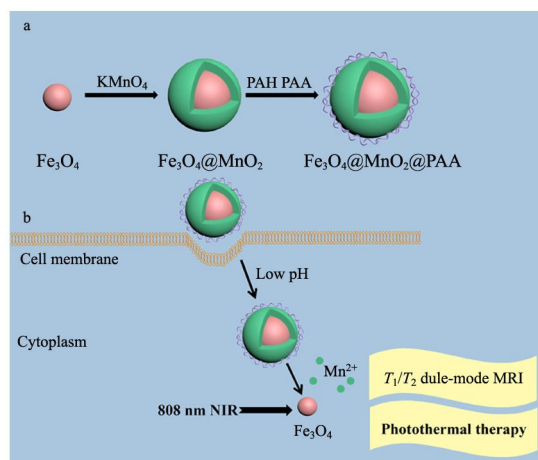


Biomarkers
discovery and discussion

Metabolites	H chemical shift (ppm) (multiplicity)
Butyrate	0.90(t), 2.16(t), 1.86 m
Alanine	1.48 d, 3.81(q)
Glutamate	2.36 m, 2.06(m), 3.78(m)
Methionine	2.14(s), 2.65 t, 3.87(m), 2.16(m)
Aspartate	2.69(dd), 2.81 dd, 3.91(dd)
α-glucose	5.23 d, 3.42(t), 3.54(dd), 3.71(t), 3.72(dd), 3.83(dd), 3.84(m)
Glycine	3.57 s
Uracil	5.81 d, 7.54(d)
Phenylalanine	7.33(m), 7.43 m, 7.38(m), 3.17(dd), 3.30(dd), 3.99(dd)

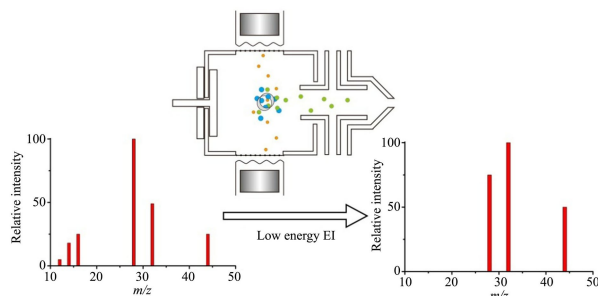
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Chinese J. Anal. Chem., **2019**, 47(5): 678–685



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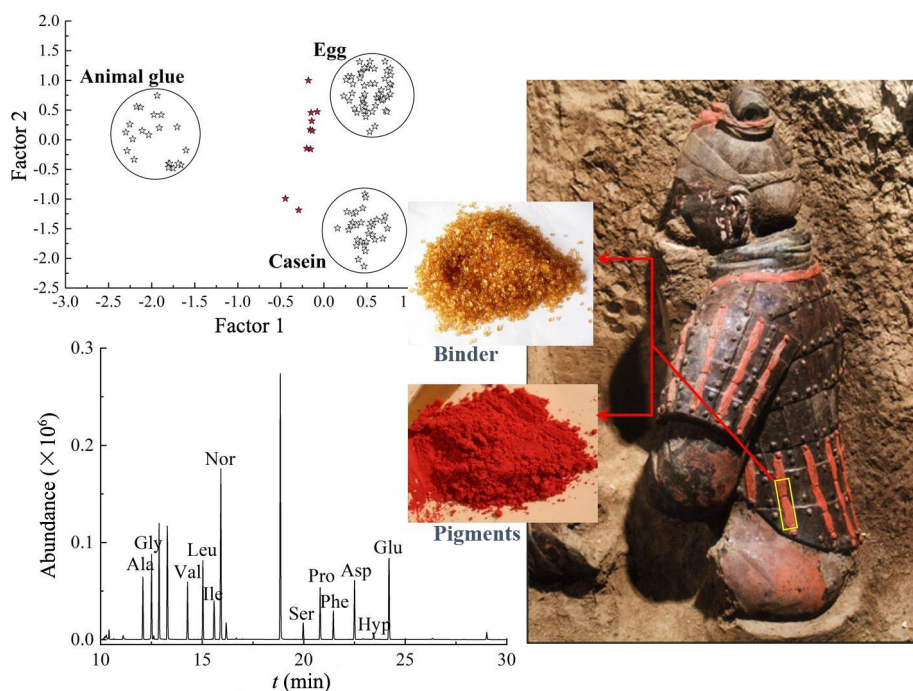
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YANG Lu^{*}, HUANG Jian-Hua, SHEN Mao-Sheng, WANG Li-Qin, WEI Yin-Mao

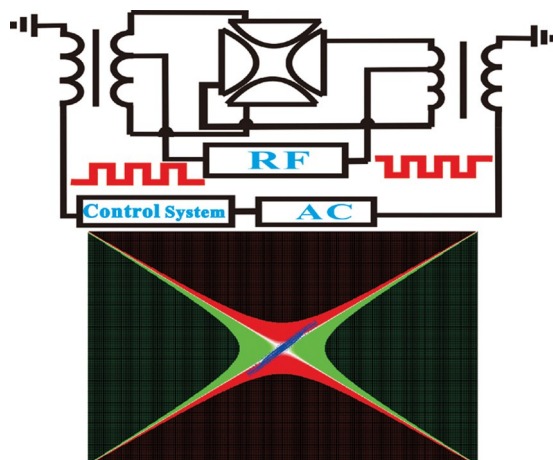
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XU Fu-Xing^{*}, CHEN Xin, CHEN Zhi-Yang, ZHOU Ming-Fei, DING Chuan-Fan^{*}

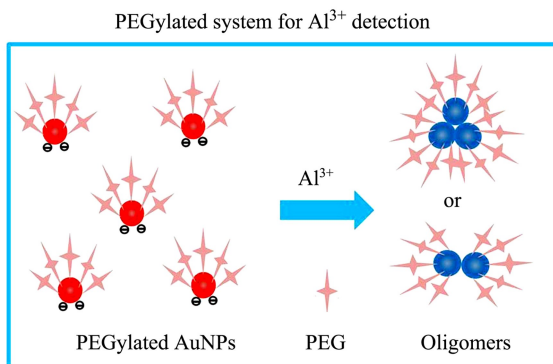
Chinese J. Anal. Chem., 2019, 47(5): 702–708



A Sensitive Colorimetric Detection Method for Aluminium Ion (III) Based on Asymmetrically PEGylated Gold Nanoparticles

CHEN Xin-Yue, HA Wei^{*}, SHI Yan-Ping^{*}

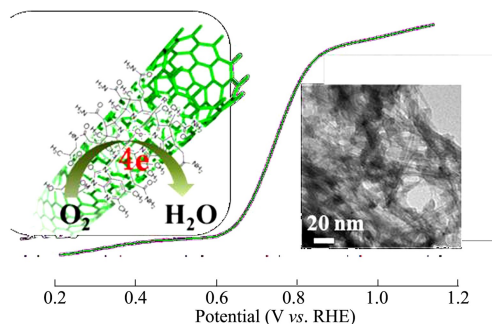
Chinese J. Anal. Chem., 2019, 47(5): 709–718



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DUAN Guang-Bin, FANG Ya-Ting, DONG Kai, JIANG Yuan-Yuan*, CHEN Chuan-Xia, NI Peng-Juan, LU Yi-Zhong*

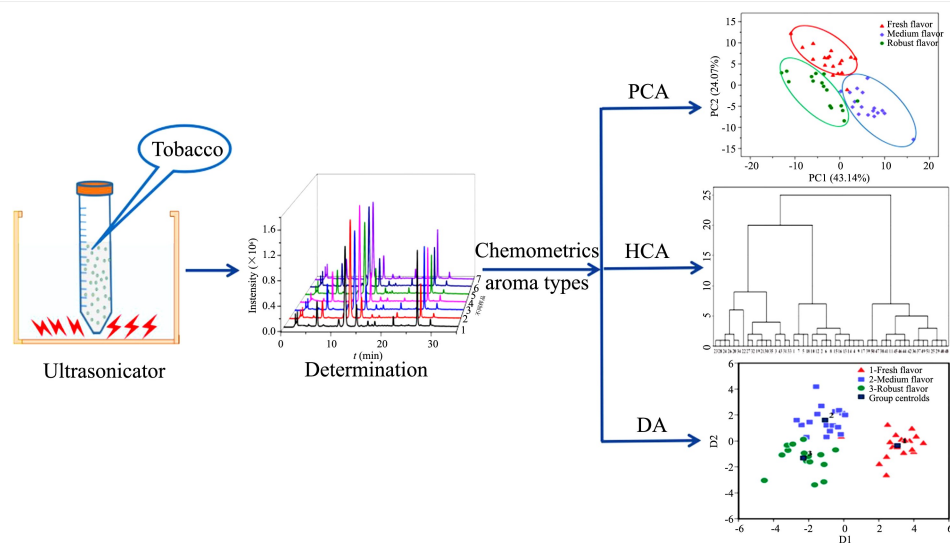
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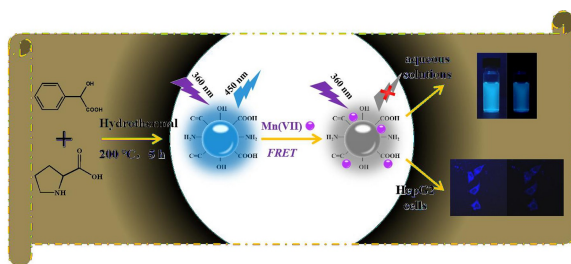
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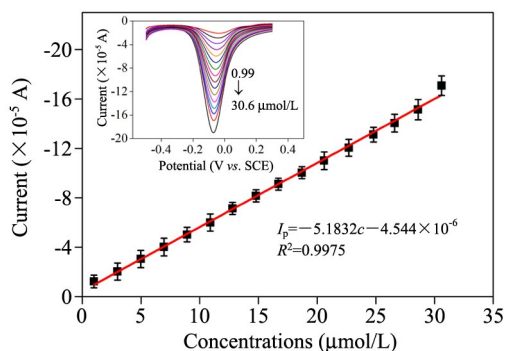
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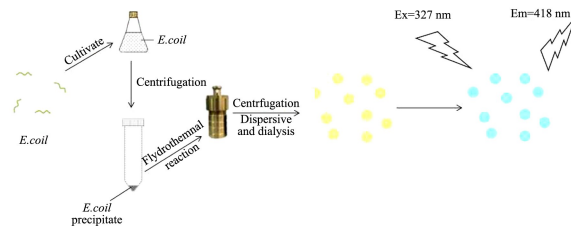


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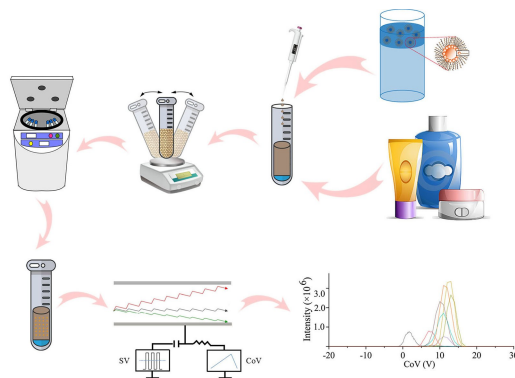
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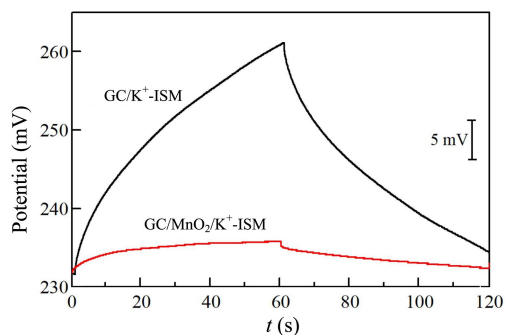


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YANG Cheng*, SONG Cai-Qiao,

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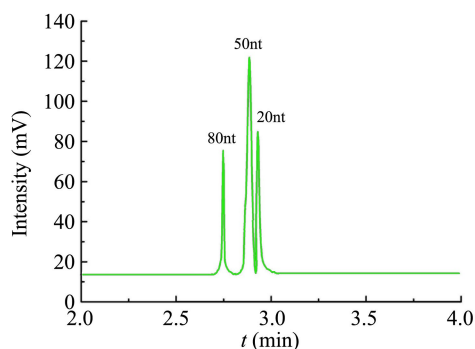


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ZHANG He-Rong, YI Da, MENG Zi-Hui,

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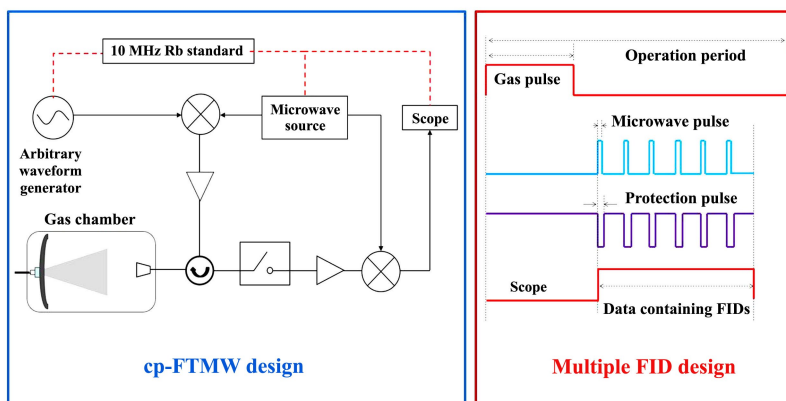
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Application of Broadband Fourier Transform Microwave Spectroscopy in Study of Complexes and Chemical Reactions

DING Ming-Yi, LI Yu-Jie, XU Zi-Rui, JIAO Chao, DUAN Sheng-Wen, SUN Ming^{*}, LI Li, ZHANG Yu-Zhen, CHEN Qian^{*}, LI Ya-Min, KANG Lu

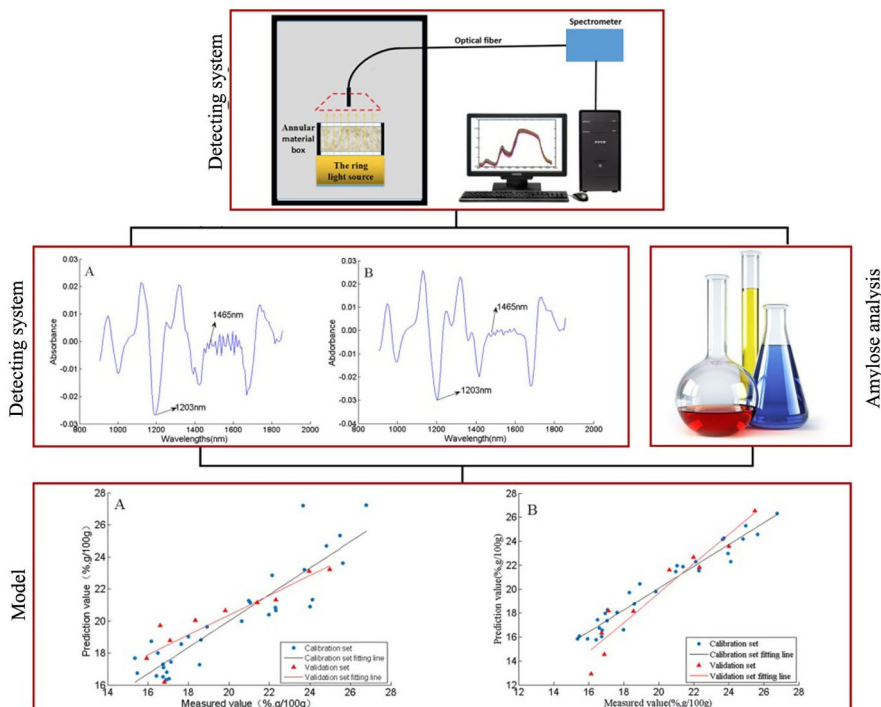
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LIU Ya-Chao, LI Yong-Yu^{*}, PENG Yan-Kun, WANG Fan, YAN Shuai, DING Ji-Gang

Chinese J. Anal. Chem., **2019**, 47(5): 785–793



^{*} The author to whom the correspondence should be addressed

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