Analytical Methods

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ISSN 1759-9679 CODEN AMNECT 17(4) 625–860 (2025)

Cover
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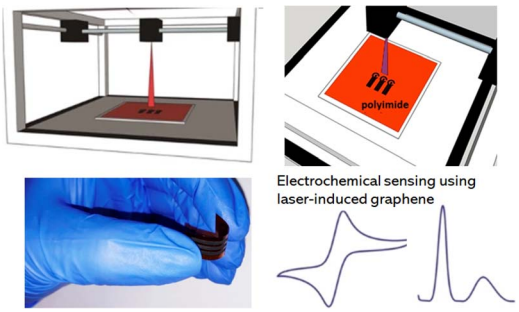

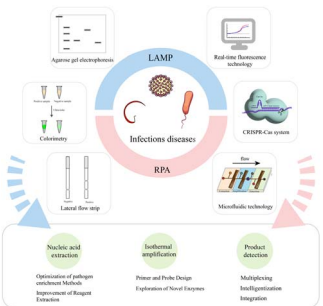

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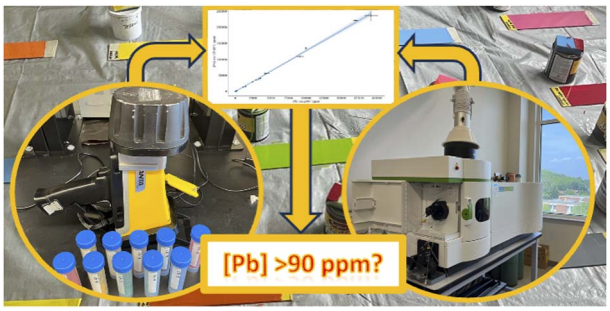

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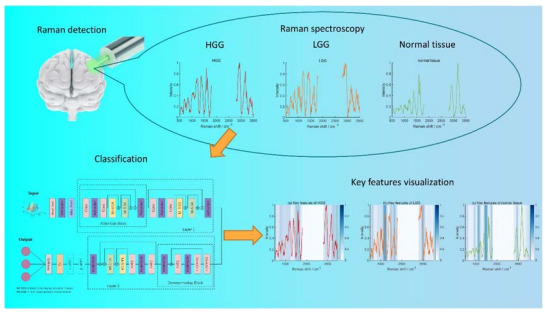

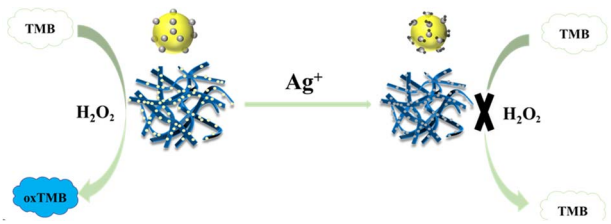

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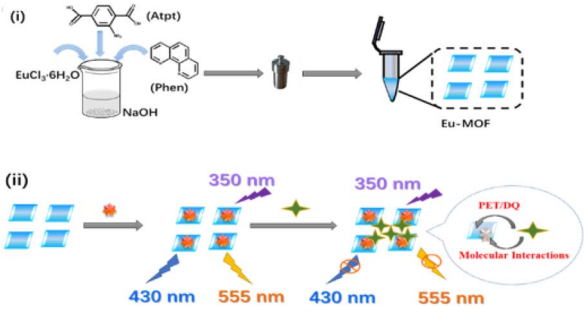

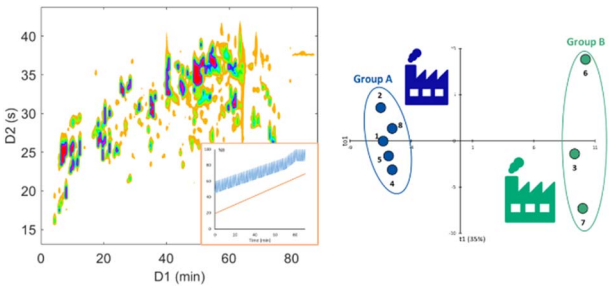

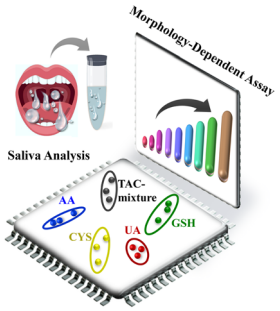

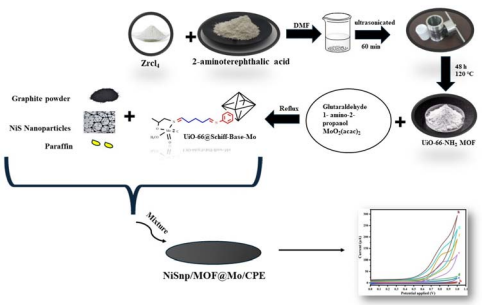

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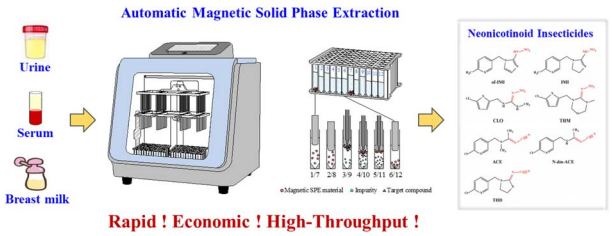

Automatic magnetic solid phase extraction for rapid and high-throughput determination of neonicotinoid insecticides and their metabolites in serum, breast milk and urine samples

Kaiqin Huang, Jing Yi, Guocheng Liu, Yangyang Liu, Kaixin Jiang, Zhuowen Li, Yanji Qu, Meiqing Lin and Shengtao Ma*

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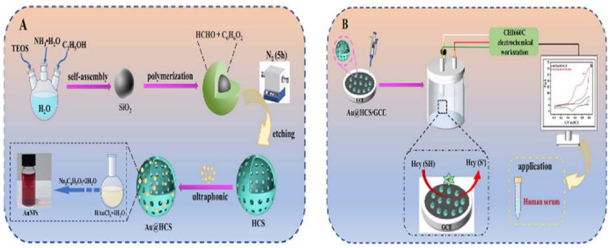

Au nanoparticle-modified hollow carbon spheres as an advanced electrochemical sensing platform for effective detection of homocysteine in human serum

Na Li, Yan Zhang, Dongyu Zhang, Xiaoli Zhang, Ning Wei* and Xiuhui Liu*

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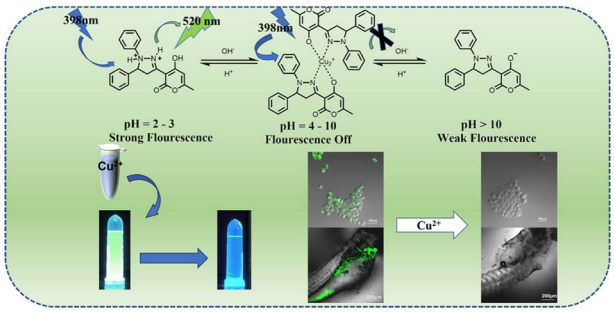

A fluorescent probe based on pyrazoline with significant Stokes shifts for the detection of Cu^{2+} ions and its applications

Yajing Shang,* Xinghu Wu and Haoting Luo

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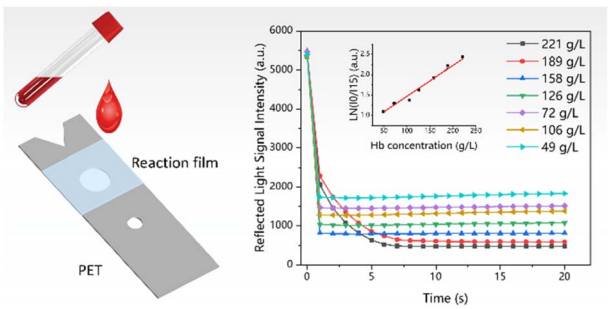

Development and clinical validation of photochemical biosensors for monitoring hemoglobin, blood lipids and uric acid in plateau areas

Bo Yu, Qiuping Li, Wei Zhang, Xiaoyan Xiang, Danzeng Quda, Gasong Zhuoga, Qiong Huang, Jie Cheng,* Jinhong Guo,* Zhijuan Liu* and Li Shi*

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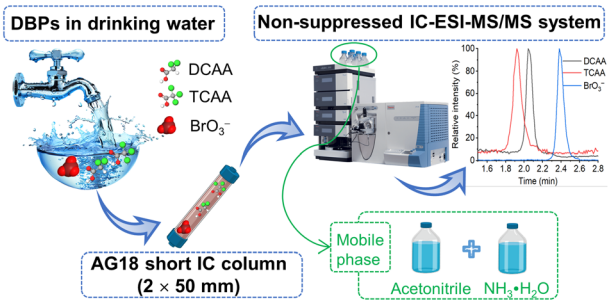

Non-suppressed ion chromatography-tandem electrospray mass spectrometry using a short column for simultaneous analysis of dichloroacetic acid, trichloroacetic acid, and bromate: aqueous ammonia as the eluent additive

Mingguo Peng, Jiali Chen, Shi Cheng,* Huaicheng Zhang, Liangtao Pu, Erdeng Du, Qingfeng Cheng, Yanting Zuo* and Aimin Li

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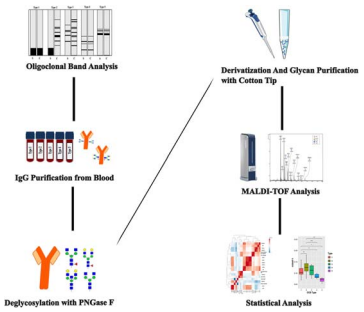

Glycan profiling of multiple sclerosis oligoclonal bands with MALDI-TOF

Furkan Şahin, Zelal Zuhal Kaya, Mustafa Serteser, Hasan Ümit Öztürk* and Ahmet Tarık Baykal*