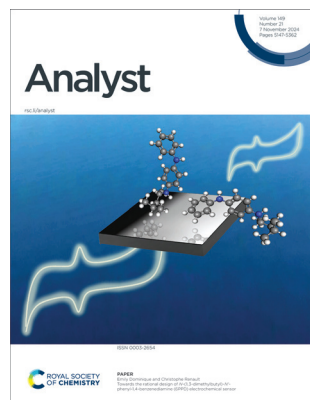


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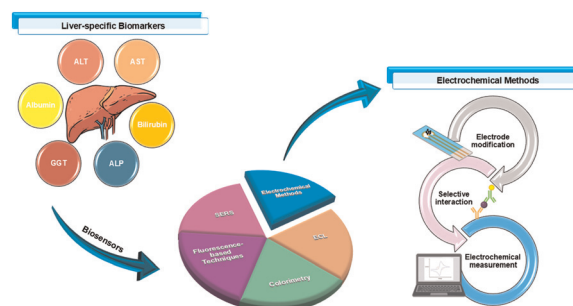
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MINIREVIEW

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Current trends in electrochemical approaches for liver biomarker detection: a mini-review

Derya Yaman,* Melanie Jimenez, Sofia Ferreira Gonzalez and Damion Corrigan*

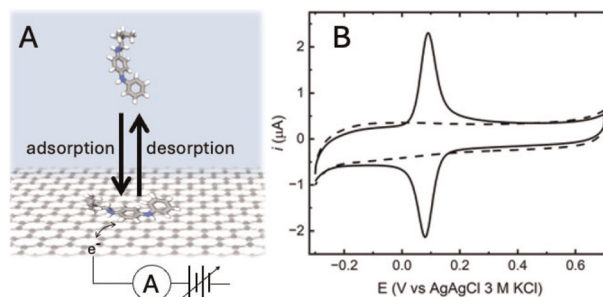


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Towards the rational design of *N*-(1,3-dimethylbutyl)-*N*'-phenyl-1,4-benzenediamine (6PPD) electrochemical sensor

Emily Dominique and Christophe Renault*



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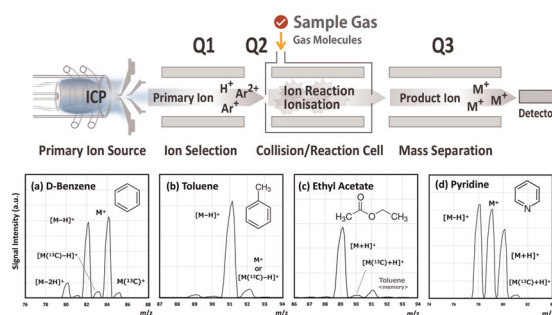


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Detection of several volatile organic compounds through Ar^+ induced chemical ionisation using inductively coupled plasma-tandem mass spectrometry (ICP-MS/MS)

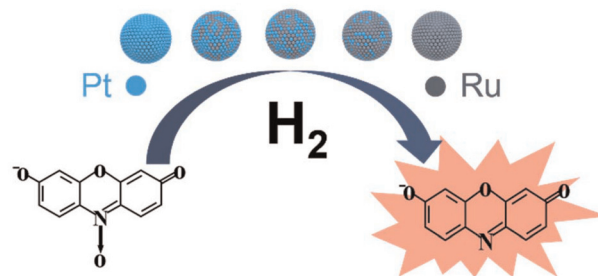
Takafumi Hirata,* Kyoko Kobayashi, Hui Hsin Khoo, Osamu Shikino and Hisashi Asanuma



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Revealing the heterogeneous catalytic kinetics of PtRu nanocatalysts at the single particle level

Bowei Zhang, Dezheng Zhang, Jinpeng Bao, Ce Han,* Ping Song* and Weilin Xu*

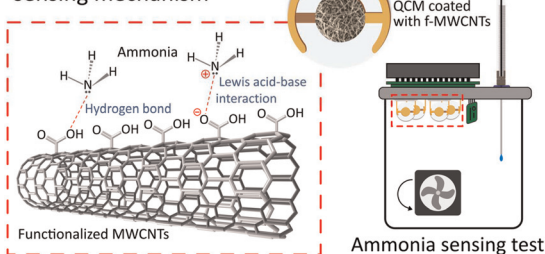


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An ultra-sensitive ammonia sensor based on a quartz crystal microbalance using nanofibers overlaid with carboxylic group-functionalized MWCNTs

Ahmad Hasan As'ari, Rizky Aflaha, Laila Katriani, Ahmad Kusumaatmaja, Iman Santoso, Rike Yudianti* and Kuwat Triyana*

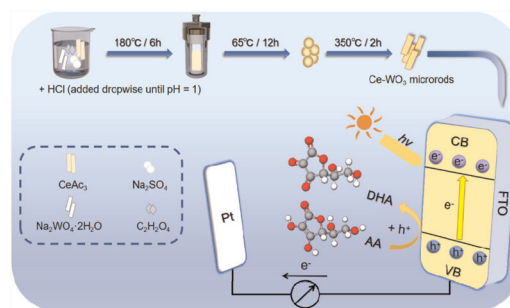
Proposed ammonia sensing mechanism



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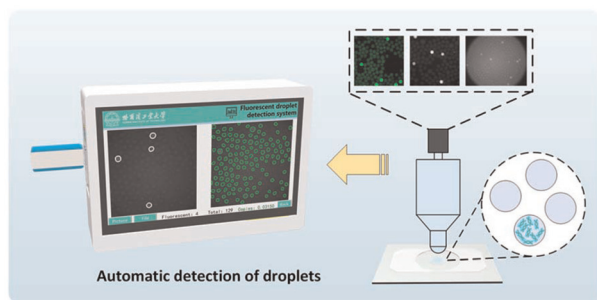
A cerium-doped tungsten trioxide-functionalized sensing platform for photoelectrochemical detection of ascorbic acid with high sensitivity

Xueying Zhu, Tikai Liang and Dianping Tang*



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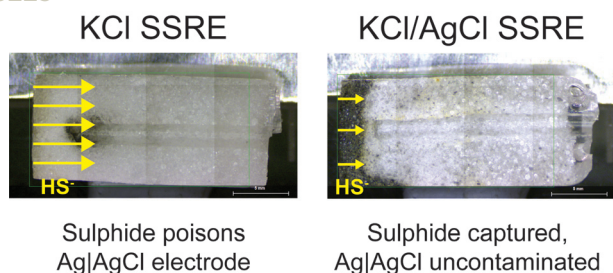
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Automatic detection of fluorescent droplets for droplet digital PCR: a device capable of processing multiple microscope images

Kaihao Mao, Ye Tao,* Wenshang Guo, Qisheng Yang, Meiying Zhao, Xiangyu Meng, Yinghao Zhang and Yukun Ren*

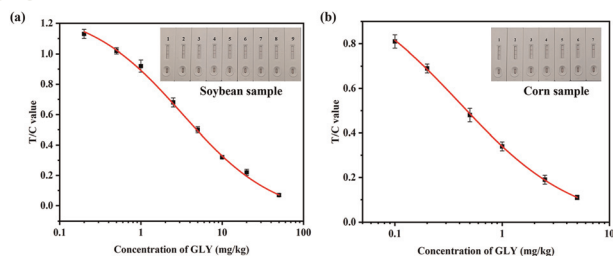
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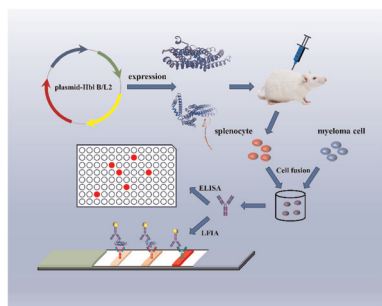
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Xuyang Ma, Liqiang Liu, Shanshan Song, Hua Kuang, Chuanlai Xu and Xinxin Xu*

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Chunhao Wei, Xinxin Xu, Lingling Guo,* Aihua Qu, Aihong Wu, Chuanlai Xu* and Hua Kuang

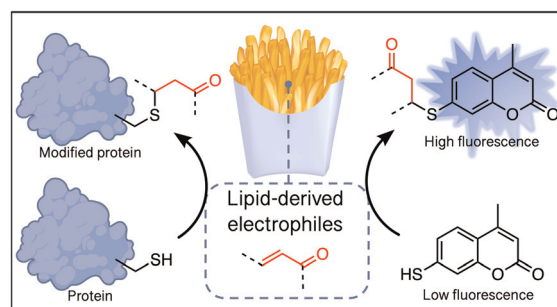


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Fluorescent probe to quantify lipid-derived electrophiles in edible oils

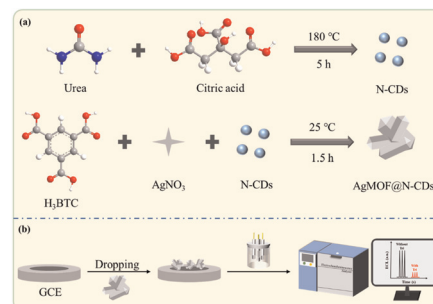
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A novel electrochemiluminescent sensor based on AgMOF@N-CD composites for sensitive detection of trilobatin

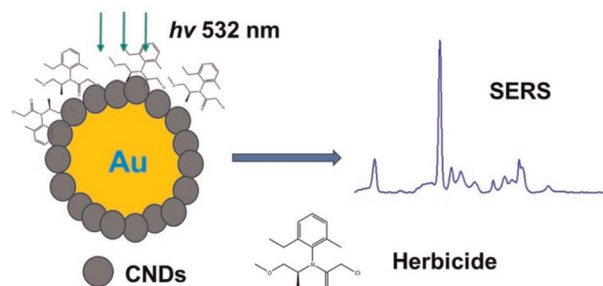
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Surface-enhanced Raman scattering enhancement using a hybrid gold nanoparticles@carbon nanodot substrate for herbicide detection

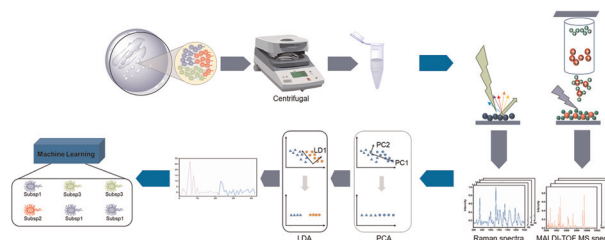
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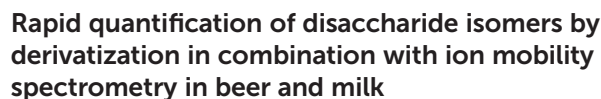


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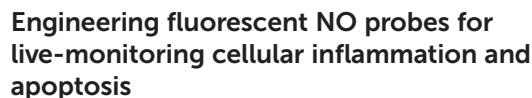
A new fusion strategy for rapid strain differentiation based on MALDI-TOF MS and Raman spectra

Jian Song, Wenlong Liang, Hongtao Huang, Hongyan Jia, Shouning Yang, Chunlei Wang* and Huayan Yang*





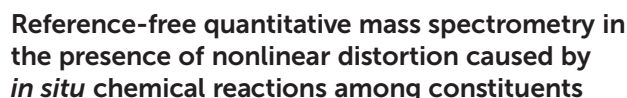
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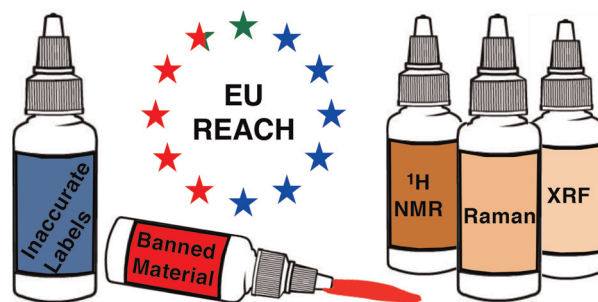
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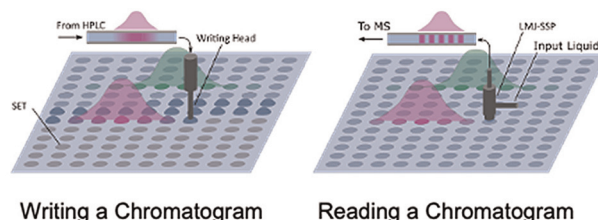
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Storing liquid chromatographic separations on surface energy traps: decoupling the LC and the mass spectrometer

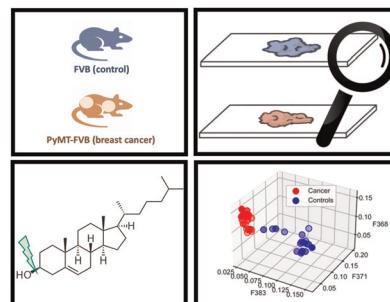
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Auraya Manaprasertsak, Julhash U. Kazi, Catharina Hagerling, Kenneth J. Pienta, Per Malmberg and Emma U. Hammarlund*



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A highly sensitive and reproducible fluorescence sensor for continuously measuring hydrogen peroxide at the sub-ppm level

Yang Yang, Rui Jiang, En-lai Yang, Jiahao Liang, Ying Xu and Xu-dong Wang*

