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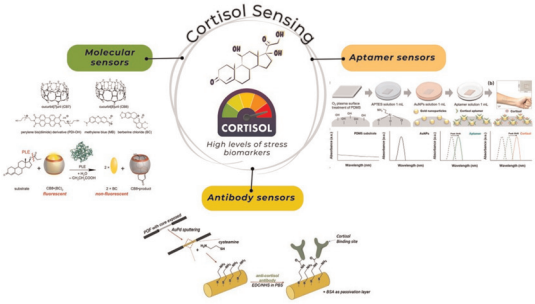
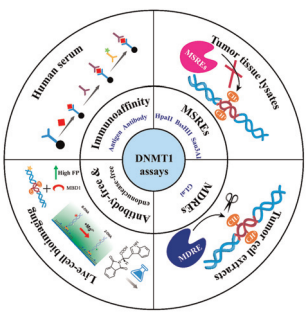
CRITICAL REVIEW



TUTORIAL REVIEWS



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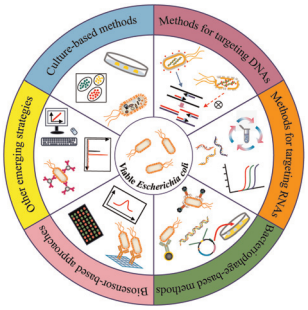
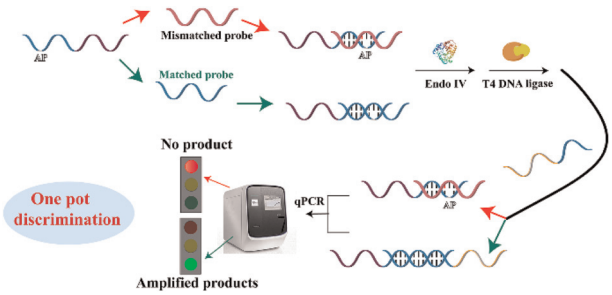
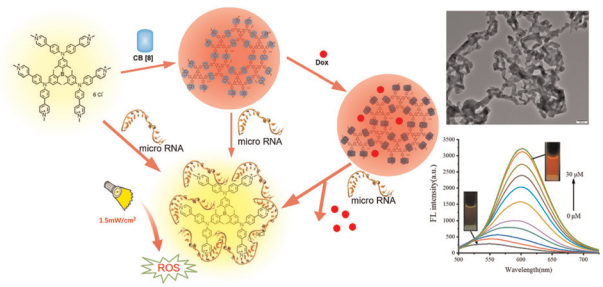
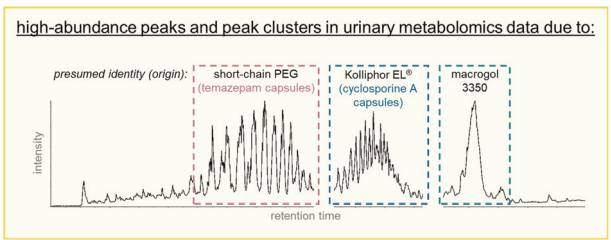


COMMUNICATIONS







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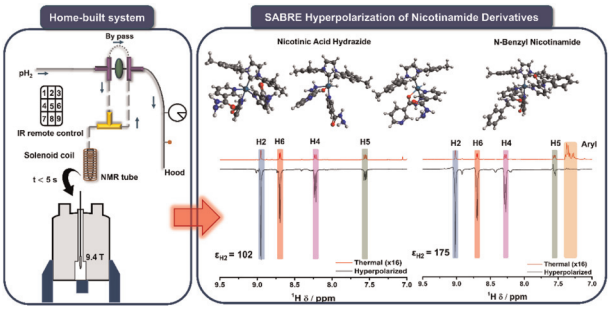

SABRE hyperpolarization of nicotinamide derivatives and their molecular dynamics properties

Quy Son Luu, Quynh Thi Nguyen, Hung Ngo Manh, Seokki Yun, Jiwon Kim, Uyen Thi Do, Keunhong Jeong,* Sang Uck Lee* and Youngbok Lee*

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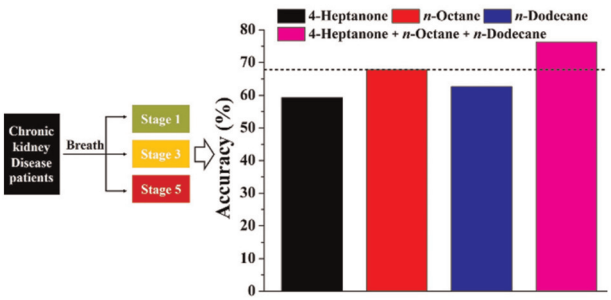
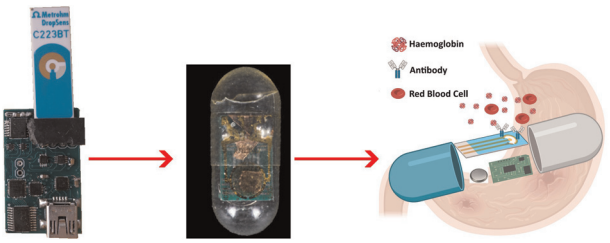


Breath volatile organic compounds for chronic kidney disease progression monitoring

Lei Li, Jue Wang, Fei Feng,* Jiayi Yan, Bin Zhao, Xinxin Li and Yifei Zhong*

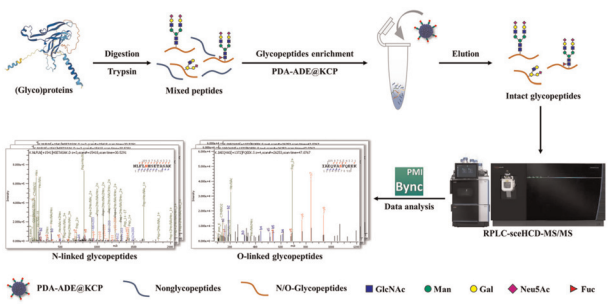
1081



A low-cost miniature immunosensor for haemoglobin as a device for the future detection of gastrointestinal bleeding

Alper Demirhan, Iva Chianella, Samadhan B. Patil and Ata Khalid*

1090



An efficient strategy with a synergistic effect of hydrophilic and electrostatic interactions for simultaneous enrichment of *N*- and *O*-glycopeptides

Zhonghan Hu, Wenqing Gao,* Rong Liu, Jiaqian Yang, Renlu Han, Junhui Li, Jiancheng Yu, Danhua Ma* and Keqi Tang*

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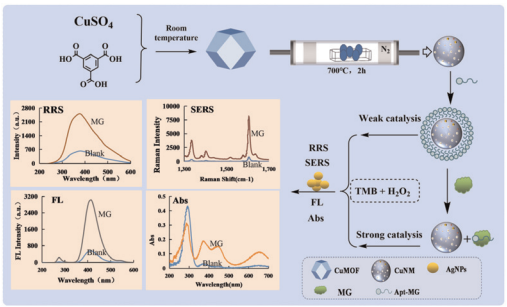

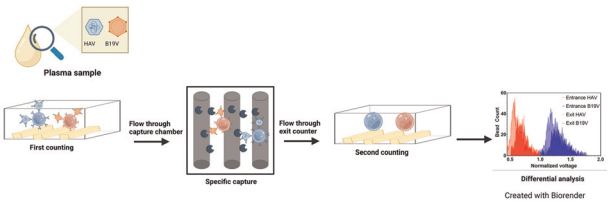

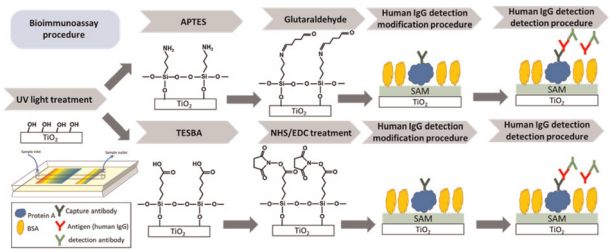

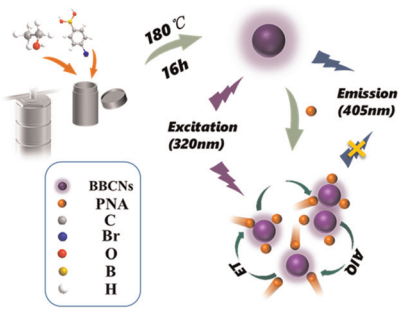

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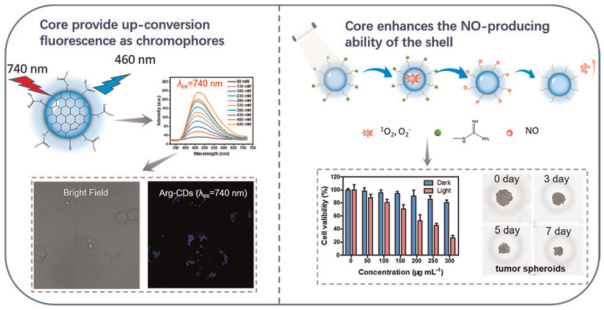

Core–shell structured carbon dots with up-conversion fluorescence and photo-triggered nitric oxide-releasing properties

Xiaoyan Wu, Meiyan Wang, Feng Yu, Hao Cai, Antonio Claudio Tedesco, Zijian Li and Hong Bi*

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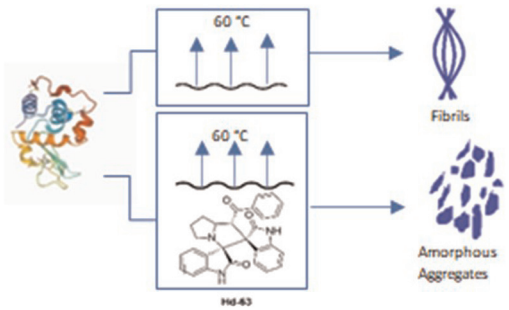

Characterizing fibril morphological changes by spirooxindoles for neurodegenerative disease application

Anthony Dahdah, Nilamuni H. de Silva, Subashani Maniam and Ewan W. Blanch*

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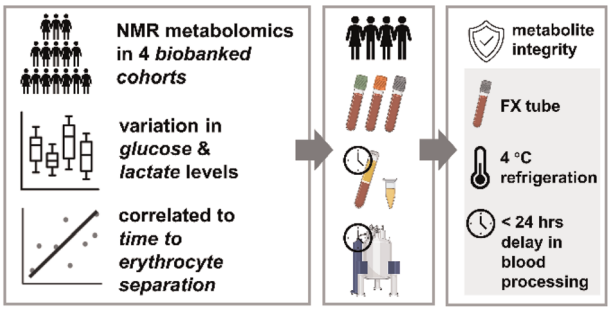

Sodium fluoride preserves blood metabolite integrity for biomarker discovery in large-scale, multi-site metabolomics investigations

Wenzheng Xiong, Daniel C. Anthony, Suzie Anthony, Thi Bao Tien Ho, Edouard Louis, Jack Satsangi and Daniel E. Radford-Smith*

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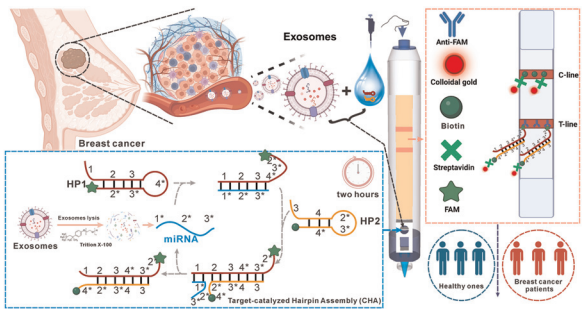

All-in-one detection of breast cancer-derived exosomal miRNA on a pen-based paper chip

Song Guo, Han Xie, Xudong Zhao, Honghao He, Xiaojun Feng, Yiwei Li, Bi-Feng Liu and Peng Chen*

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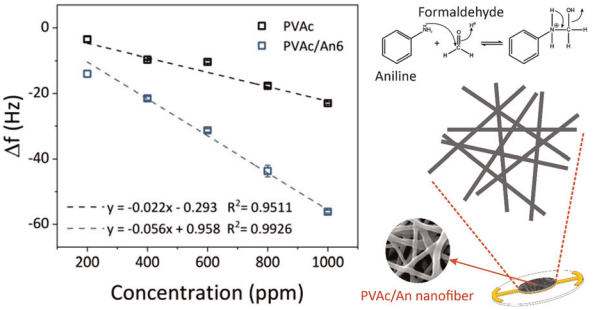

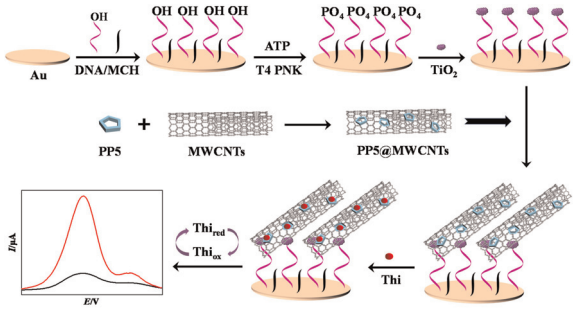

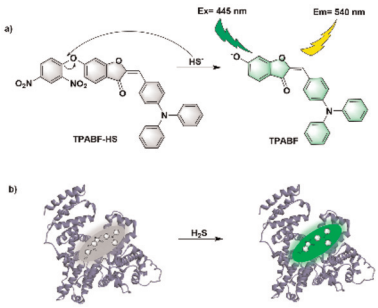

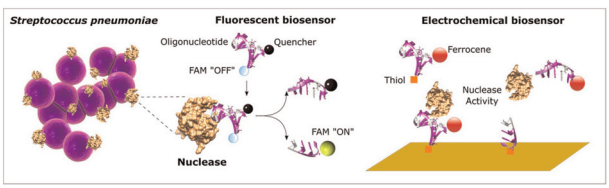

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