

Analytical Methods

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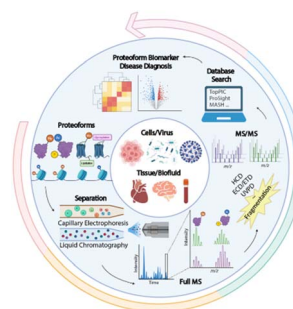
Cover
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CRITICAL REVIEW

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Mass spectrometry-intensive top-down proteomics: an update on technology advancements and biomedical applications

Tian Xu, Qianjie Wang, Qianyi Wang and Liangliang Sun*

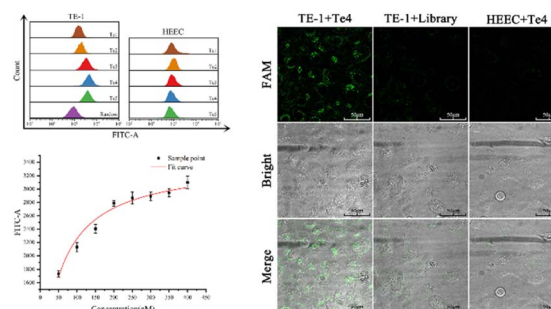


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Cell-SELEX and application research of a DNA aptamer against esophageal squamous cell carcinoma (ESCC) cell line TE-1

Baijiang Jin, Gaojian Yang, Zhukang Guo,* Zhu Chen, Yuan Liu, Song Li, Hui Chen, Yile Fang,* Yan Deng* and Nongyue He*



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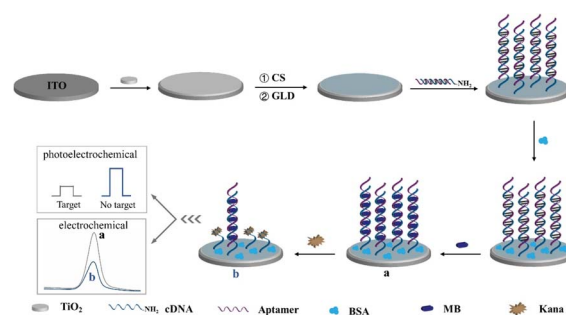
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Fundamental questions
Elemental answers

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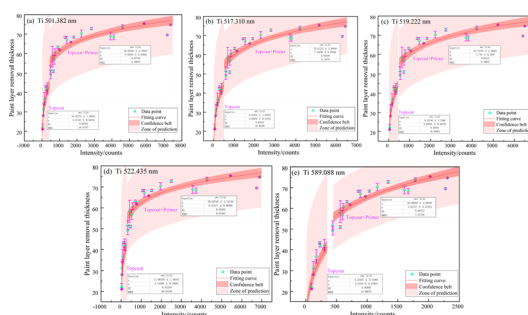
Wenchao Geng, Huimin Liu, Zhiyi Yan, Jiangying Ji, Fei Wang* and Ruiying Yang*



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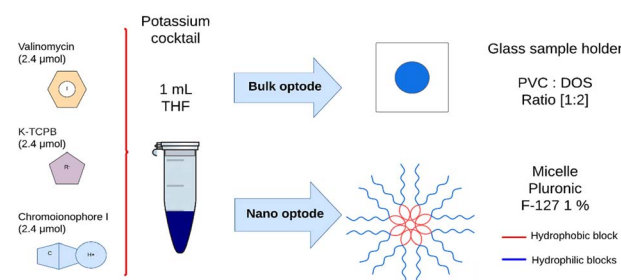
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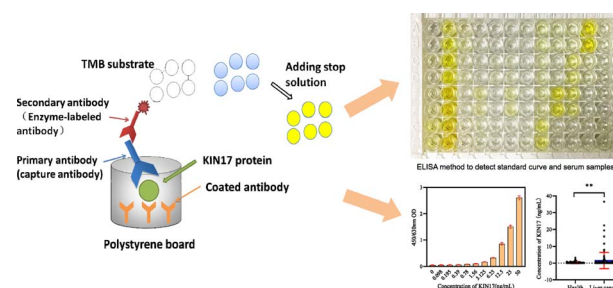
Miguel Villanueva, Jaime Vega-Chacón and Gino Picasso*



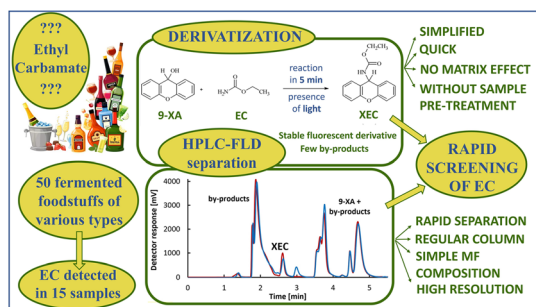
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Ruiqi Su, Lok Ting Chu, Zhenkai Chen, Xiacong Lin, Minghui Peng, Xueran Huang, Xiangyan Xiao and Tao Zeng*



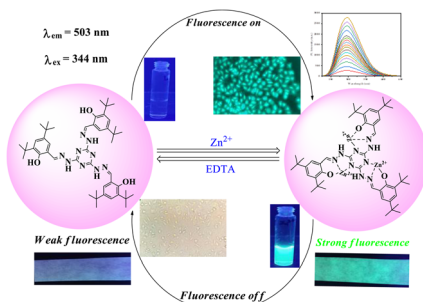
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A rapid and improved method for the determination of ethyl carbamate in foodstuffs of different matrices

Veronika Šantrůčková, Jan Fischer and Jitka Klikarová*

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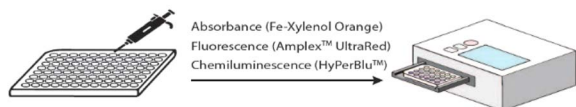


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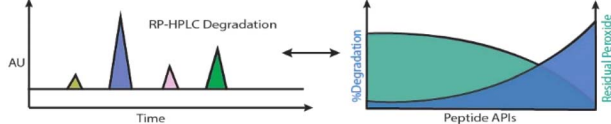
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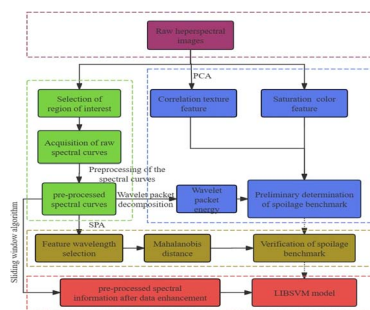
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Kingshuk Dutta,* Tao Zheng and Evan M. Hetrick

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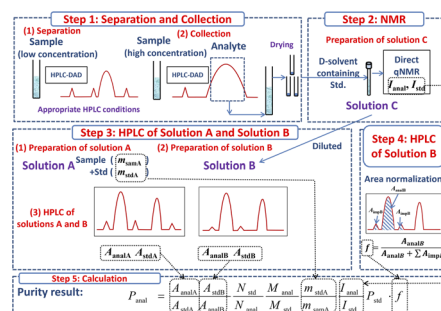
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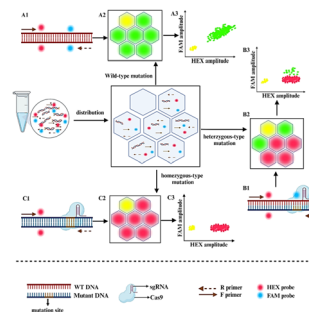
Xueyao Li, Wei Zhang,* Ting Huang, Ming Li, Fuhai Su, Huaxin Wu and Guangshi Tang*



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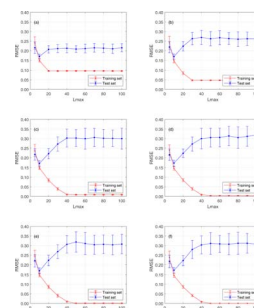
Jingzheng Chi, Lin Ding, Xiaofu Wang, Xiaoyun Chen, Cheng Peng* and Junfeng Xu*



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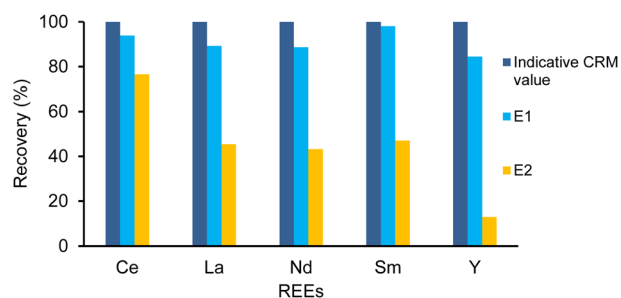
Lixin Zhang, Zhensheng Huang* and Xiao Zhang



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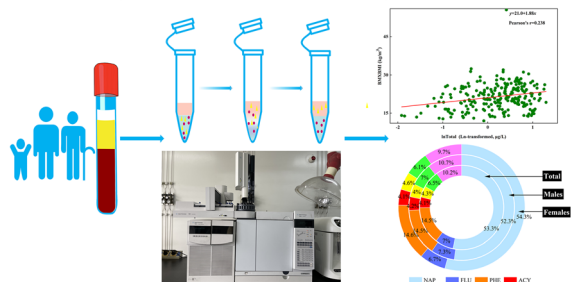
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Marin Senila,* Erika Andrea Levei, Lacrimioara Senila and Oana Cadar



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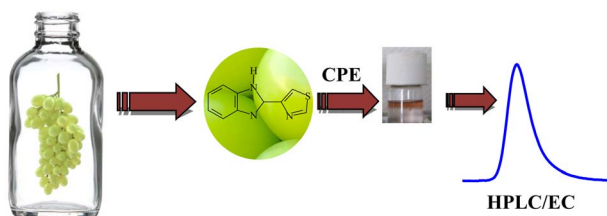
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Human biomonitoring of serum polycyclic aromatic hydrocarbons and oxygenated derivatives by gas chromatography coupled with tandem mass spectrometry

Rong Yang, Chenwen Shi, Xiaojing Li, Pingsheng Gan, Xinhong Pan, Rongfei Peng* and Lei Tan*

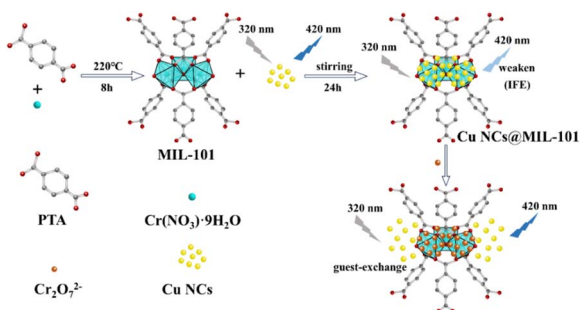
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Vinicius E. Araújo, Gabriela C. Ribeiro, Kamila P. De Amorim and Leonardo S. Andrade*

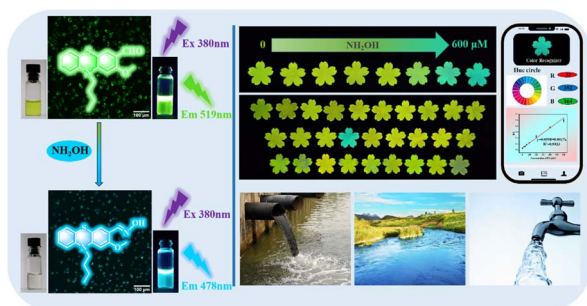
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"Turn-on" fluorescence sensing for sensitively detecting $\text{Cr}(\text{VI})$ via a guest exchange process in Cu NCs@MIL-101 composites

Huijing Chen, Bo Peng, Ping Zhang, Ying Yang and Xue Hu*

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A phenothiazine-based ratiometric fluorescence probe for the detection of hydroxylamine in real water and living cells

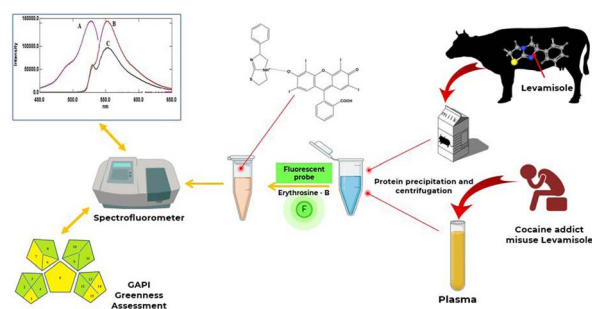
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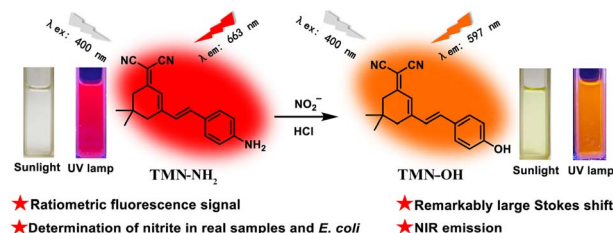
Samah Abo El Abass,* May E. K. Wahba and Mohammed E. Draz



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An efficient ratiometric fluorescence and colorimetric dual-mode probe for convenient determination of nitrite in real samples and *E. coli*

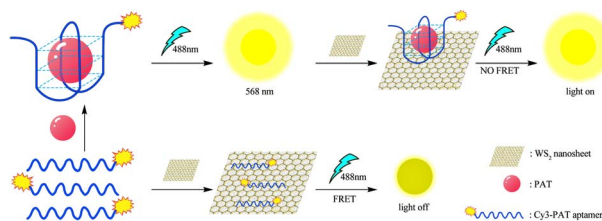
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Guoxin Qin, Huiling Li, Jie He, Haijun Wang, Yongxian Chen, Shuibing Lao, Liang Cheng, Weifan Lu, Lihong Luo, Li Tang, Renfu Mo, Yuning Wei* and Qifeng Zhou*



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A ferrocene-based chemo-dosimeter for colorimetric and electrochemical detection of cyanide and its estimation in cassava flour

V. Dharaniprabha, A. Kalavathi, K. Satheeshkumar and Kuppanagounder P. Elango*

