Analytical Methods

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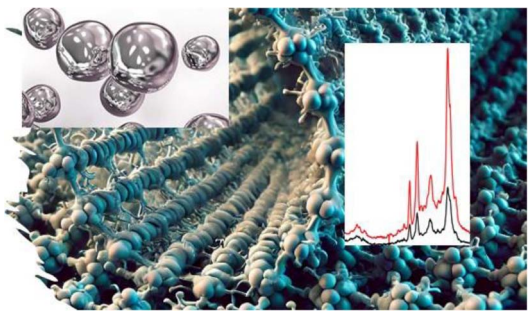

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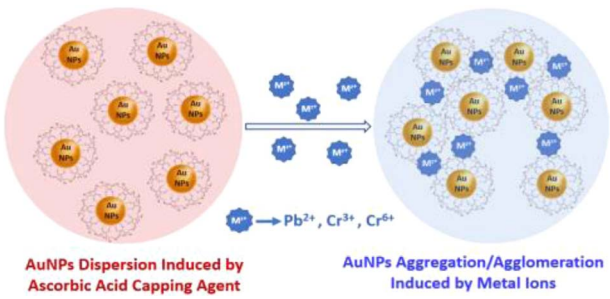

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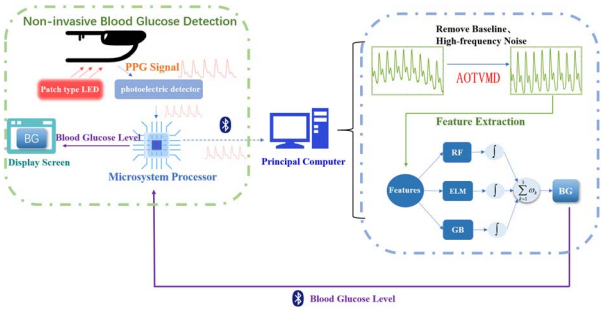
A noninvasive blood glucose detection method with strong time adaptability based on fuzzy operator decision fusion and dynamic spectroscopy characteristics of PPG signals

Rui Liu, Jieqiang Liu, Zhengwei Huang and Qingbo Li*



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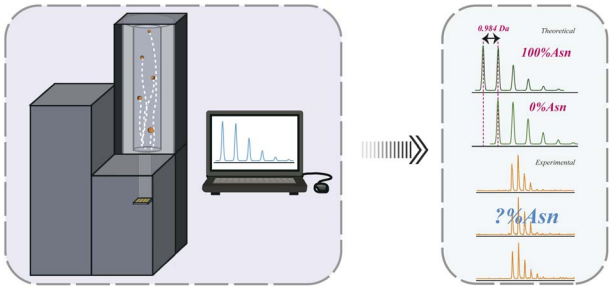
Deamidation analysis of therapeutic drugs using matrix-assisted laser desorption ionization mass spectrometry and a novel algorithm QuanDA

Han Zhang, Yinran Xiong, Xiaonan Shi, Lijia Zhu, Qiong Wu, Ting Wu* and Yiping Du



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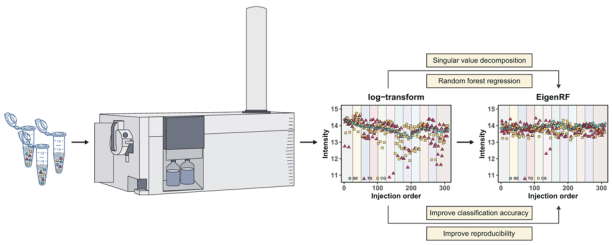
EigenRF: an improved metabolomics normalization method with scores for reproducibility evaluation on importance rankings of differential metabolites

Chencheng Tang, Dongfang Huang, Xudong Xing* and Hua Yang*



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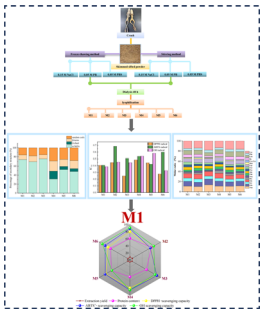
Comparative extraction of antioxidant proteins from whole frogs (*Rana ridibunda* Pollas)

Naziermu Dongmulati, Ahmidin Wali,* Zi Yang, Yusufujiang Aili, Rexili Kelaimu, Yanhua Gao, Abulimiti Yili* and Haji Akber Aisa



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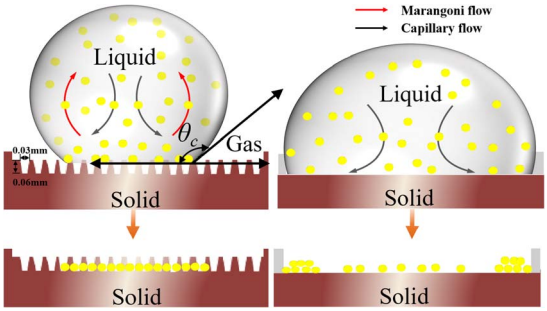

Design and fabrication of superhydrophobic microstructured grooved substrates to suppress the coffee-ring effect and enhance the stability of Sr element detection in liquids using LIBS

Hongbao Wang, Honglian Li,* Xusheng Huang, Zhichao Yao, Huiming Zhang, Yu hang Yao, Xiaolin Yin, Ziying Chen and Lide Fang

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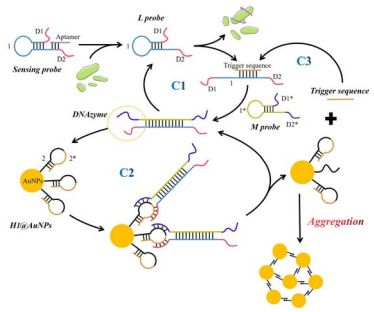

A catalytic assembly triggered DNAzyme motor on spherical nucleic acids for sensitive small extracellular vesicle detection

Xiaoying Shi, Tingting Zhang, Shisheng Zhu, Linhong Ning, Heng Cheng, Feng Yu* and Shanshan Tian*

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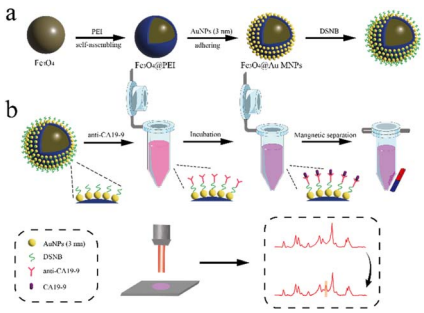

A simple SERS sensor based on antibody-modified Fe_3O_4@Au MNPs for the detection of CA19-9 in CRC patients

Miaowen Xu, Gaoyang Chen, Yong Huang, Hangyu Song, Zheng Wu, Fengjuan Jiang, Lei Fu, Caili Bi, Xiaowei Cao* and Wei Wei*

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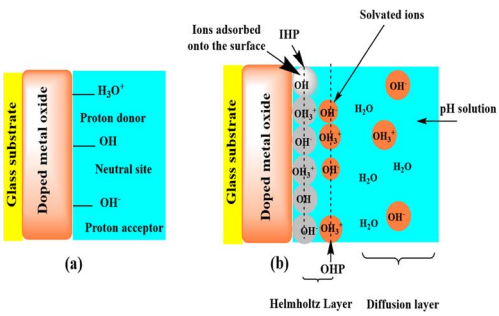

A new compact potentiometric electrode for pH monitoring built upon a glass substrate with a Ce-doped SnO_2 layer

Ayman H. Kamel,* Noor H. A. Al-Sabbagh, Ibrahim Moussa, M. Obaida, Hisham S. M. Abd-Rabboh and Waleed E. Boraie

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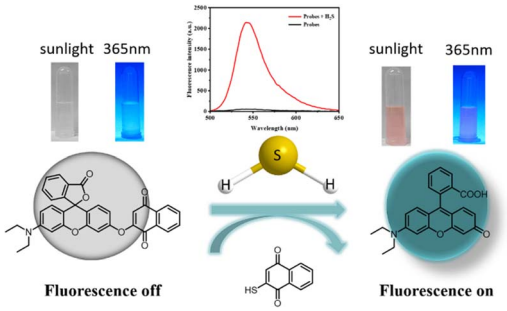

Synthesis of a fluorescent probe based on rhodol's highly selective recognition of H_2S and its application in cells

Jiefeng Tang, Xiangjun Chen, Zhenzhen Wang, Shuntao Zhang, Juan Wang* and Chunru Cheng*

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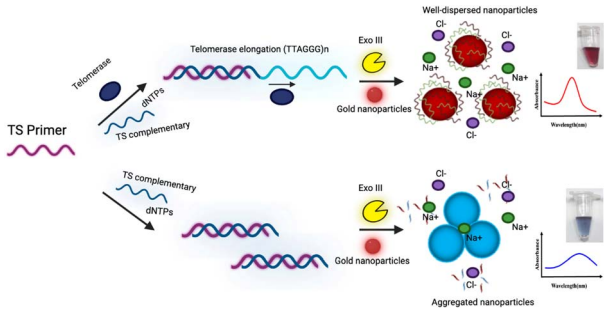

A simple colorimetric detection of telomerase exploiting specific cleavage of exonuclease III coupled with telomeric DNA controlled aggregation of nanogold

Huynh Thi Le Huyen, Vo Thi Cam Duyen and Phuoc Long Truong*

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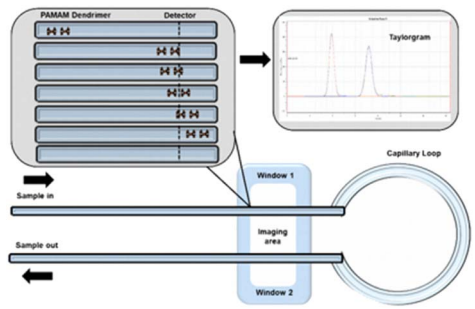

Taylor dispersion analysis as a tool for size measurement of PAMAM dendrimers: the effect of generation, functionality and pH

Vikesh Chhabria,* Robert Forbes and Zhengyuan Zhou

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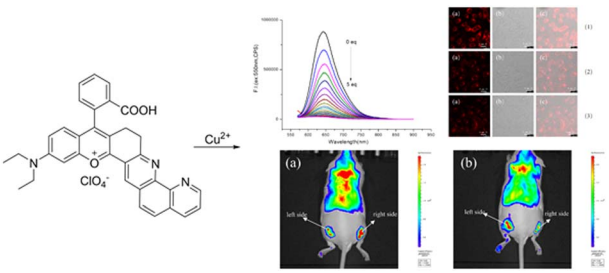

A rhodamine based near-infrared fluorescent probe for selective detection of Cu^{2+} ions and its applications in bioimaging

Zhijian Chang, Shumeng Li, Jia-Hai Ye,* Fuyan Lin, Yuncong Chen,* Zijian Guo and Xuedong Gong*

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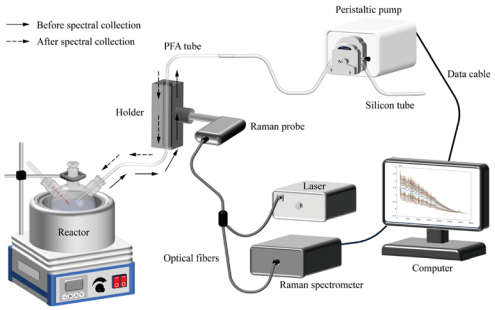
Integration of a Raman spectroscopic platform based on online sampling to monitor chemical reaction processes

Jin Wang, Wuye Yang, Meng Su, Huipeng Deng and Yiping Du*



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External quality assurance schemes (EQUASs) and interlaboratory comparison investigations (ICIs) for the human biomonitoring of aromatic amines in urine as part of the quality assurance programme under HBM4EU

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