

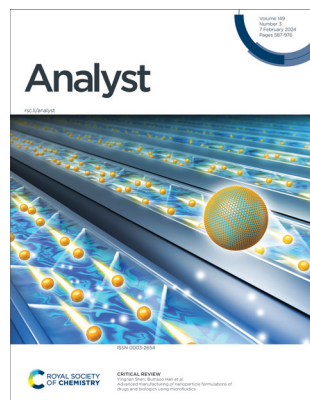
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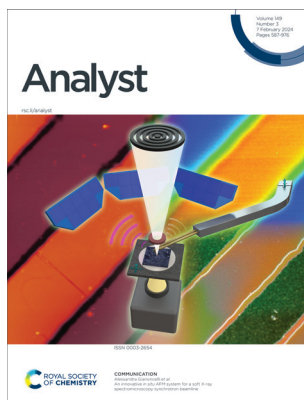
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See Yingnan Shen, Bumsoo Han *et al.*, pp. 614–637.

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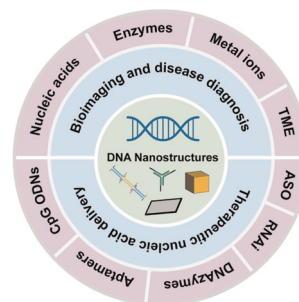
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DNA nanotechnology-based nucleic acid delivery systems for bioimaging and disease treatment

Zhaorong Sun, Yingjie Ren, Wenjun Zhu, Yuliang Xiao and Han Wu*

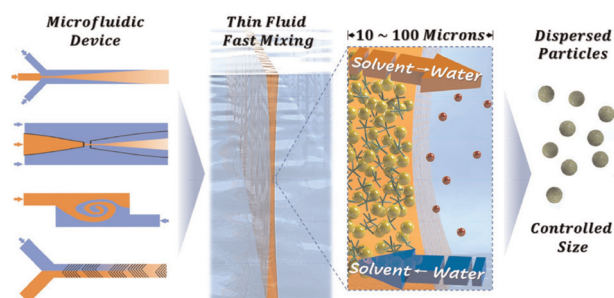


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Advanced manufacturing of nanoparticle formulations of drugs and biologics using microfluidics

Yingnan Shen,* Hogeong Gwak and Bumsoo Han*



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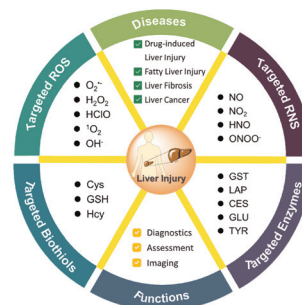
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Activatable fluorescent probes for early diagnosis and evaluation of liver injury

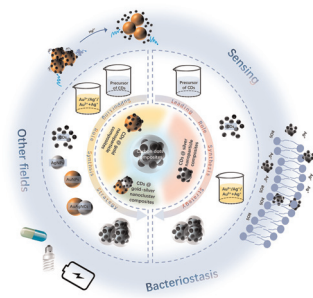
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Xuejing Wang, Renyin Zhang, Xiaoyu Ma, Zhihua Xu, Mingze Ma, Tieying Zhang, Yu Ma and Feng Shi*

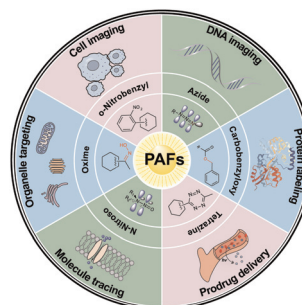


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Huihui Wei, Mingli Xie, Min Chen, Qinhong Jiang, Tenghui Wang and Panfei Xing*

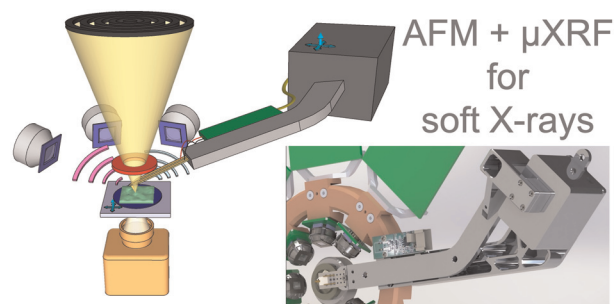


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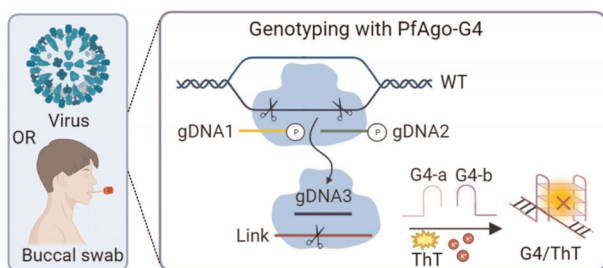
An innovative *in situ* AFM system for a soft X-ray spectromicroscopy synchrotron beamline

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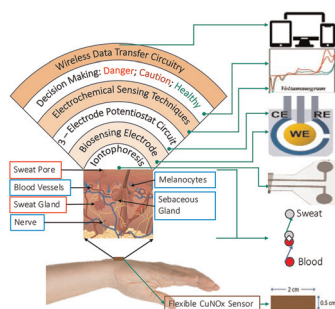


Split G-quadruplex based PfAgo sensing platform for nucleotide mutation discrimination and human genotyping

Yan Zhang, Bin Gong, Yanan Lin, Yuedong Zhu, Gaoxing Su* and Yanyan Yu*

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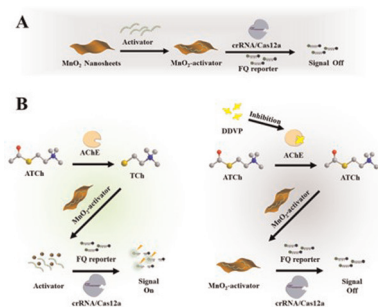
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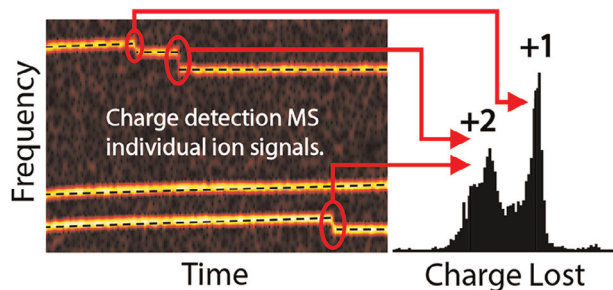
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A MnO₂ nanosheet-mediated CRISPR/Cas12a system for the detection of organophosphorus pesticides in environmental water

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Ion emission from 1–10 MDa salt clusters: individual charge state resolution with charge detection mass spectrometry

Matthew S. McPartlan, Conner C. Harper, Emeline Hanozin and Evan R. Williams*

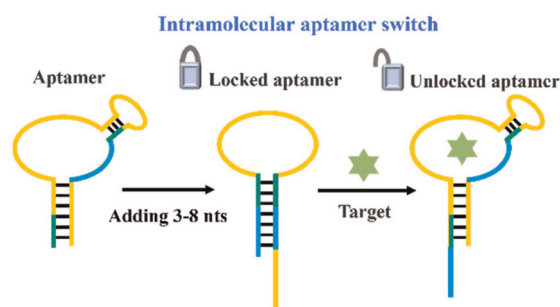


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Intramolecular aptamer switches

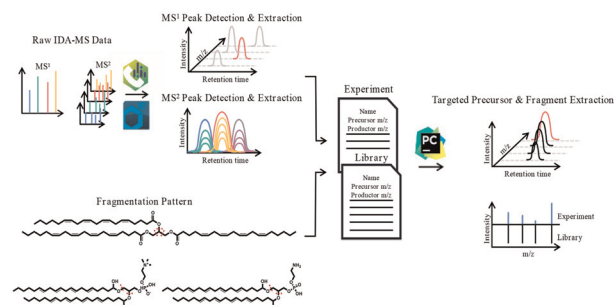
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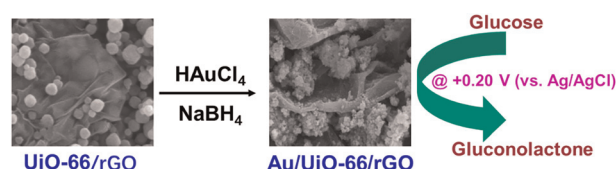
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Au nanoparticle-embellished UiO-66 on reduced graphene oxide as a non-enzymatic electrocatalyst at a remarkably low oxidation potential for glucose oxidation and sensing

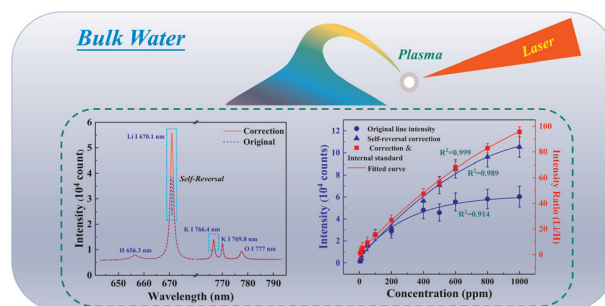
Rongqiu Yan, Qiongfang Zhou, Hui Xie and Chenghong Lei*



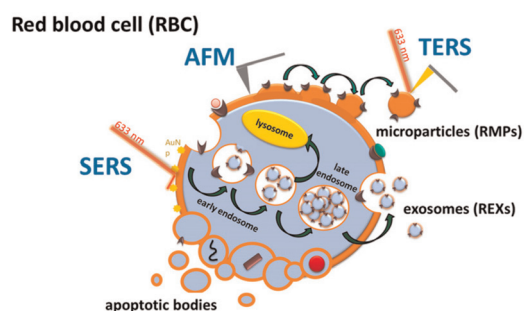
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Performance improvement of underwater LIBS qualitative and quantitative analysis by irradiating with long nanosecond pulses

Yongqiu Zheng, Deyue Ban, Nan Li,* Jiaojian Song,* Jiaxu Zhang, Yifan Luo, Jinge Guan, Chengfei Zhang and Chenyang Xue



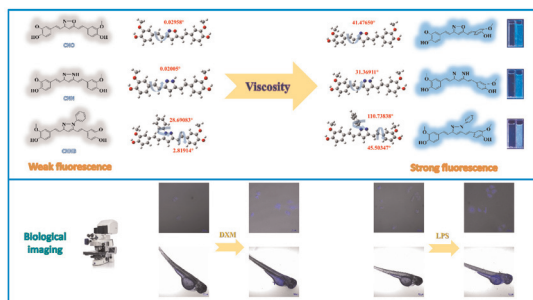
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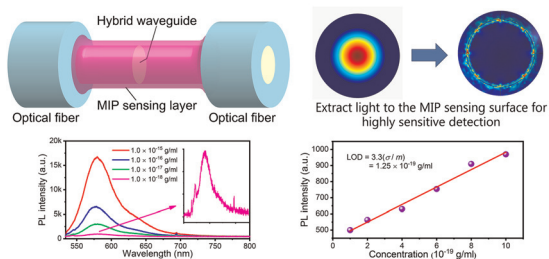
Rational design and comparison of three curcumin-based fluorescent probes for viscosity detection in living cells and zebrafish

Wenhao Du, Yue Gu, Xin Zhou, Zhonglong Wang* and Shifa Wang*

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Molecularly Imprinted Polymer-Coated Hybrid Optical Waveguide for Sub-aM Sensing

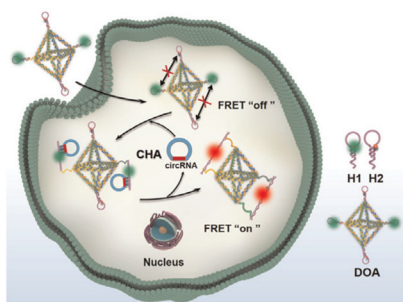
Yingying Xu, Yingtao Zhou, Hong Luo, Hao Li, Tiancheng Ni, Gongjie Xu, Okihito Sugihara, Jingya Xie, and Bin Cai



Molecularly imprinted polymer-coated hybrid optical waveguides for sub-aM fluorescence sensing

Yingying Xu, Yingtao Zhou, Hong Luo, Hao Li, Tiancheng Ni, Gongjie Xu, Okihito Sugihara, Jingya Xie and Bin Cai*

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A DNA octahedral amplifier for endogenous circRNA detection and bioimaging in living cells and its biomarker study

Rong Feng, Shengrong Yu,* Zhiling Qian, Yiming Wang, Gege Xie, Bingqian Li, Jingwen Chen, Yong-Xiang Wu* and Keqi Tang*

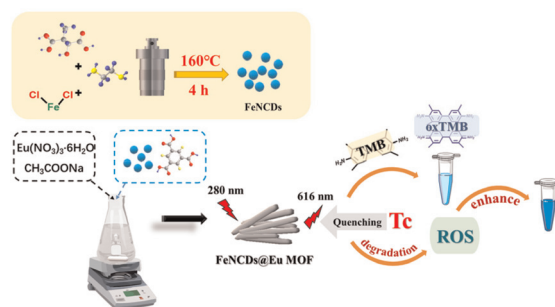


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Eu MOF-enhanced FeNCD nanozymes for fluorescence and highly sensitive colorimetric detection of tetracycline

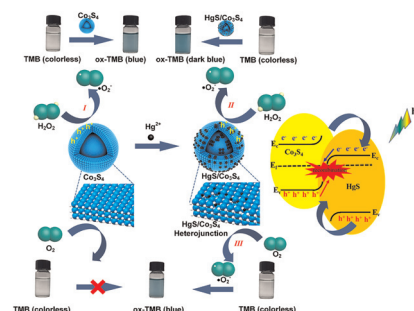
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In situ Hg²⁺ improved the peroxidase-like activity and triggered "ON" the oxidase-like activity of yolk-shell Co₃S₄ microspheres for the detection of Hg²⁺

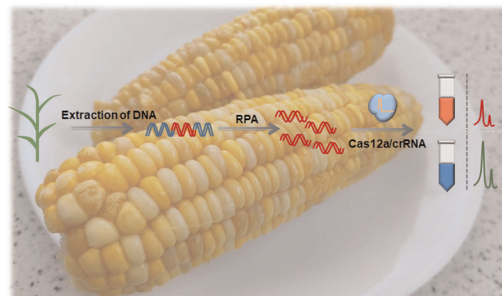
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Sensitive detection of genetically modified maize based on a CRISPR/Cas12a system

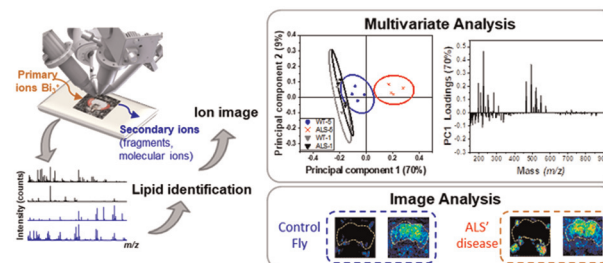
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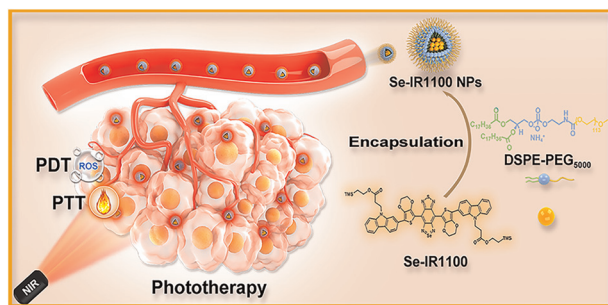
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Monitoring lipid alterations in *Drosophila* heads in an amyotrophic lateral sclerosis model with time-of-flight secondary ion mass spectrometry

Minh Uyen Thi Le, Jeong Hyang Park, Jin Gyeong Son, Hyun Kyung Shon, Sunho Joh, Chang Geon Chung, Jae Ho Cho, Alexander Pirkl, Sung Bae Lee* and Tae Geol Lee*



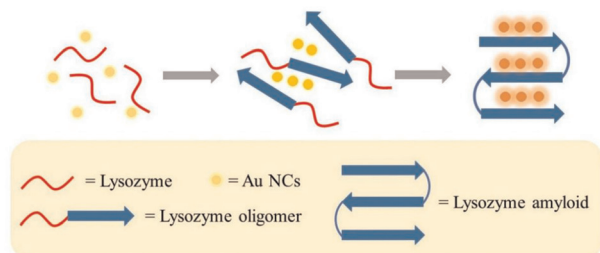
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A selenium-based NIR-II photosensitizer for a highly effective and safe phototherapy plan

Xiangqian Zhang, Chonglu Li, Xiaofang Guan, Yu Chen, Qingqing Zhou, Huili Feng, Yun Deng, Cheng Fu, Ganzhen Deng,* Junrong Li* and Shuang Liu*

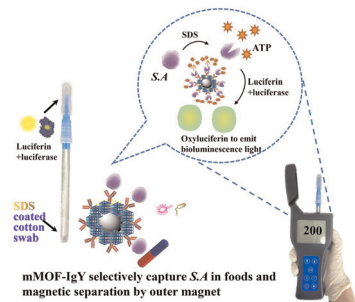
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Aggregation of gold nanoclusters in amyloid fibers: a luminescence assay for amyloid fibrillation detection and inhibitor screening

Yilin Deng, Ying Guo and Yaodong Zhang*

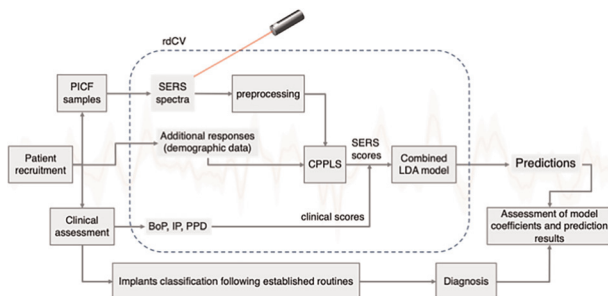
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Bioluminescence assay for rapid detection of live *Staphylococcus aureus* based on the enrichment of egg yolk antibody modified magnetic metal organic framework immunobeads

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Spectroscopic insights into peri-implant mucositis and peri-implantitis: unveiling peri-implant crevicular fluid profiles using surface enhanced Raman scattering

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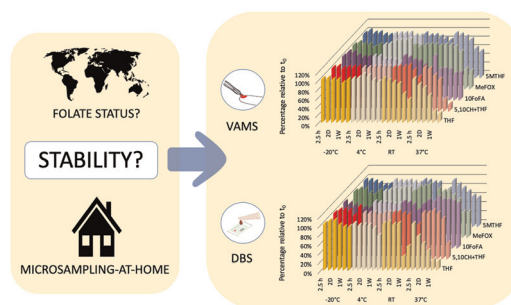


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Is the stability of folates in dried blood microsamples sufficient to perform home-sampling studies?

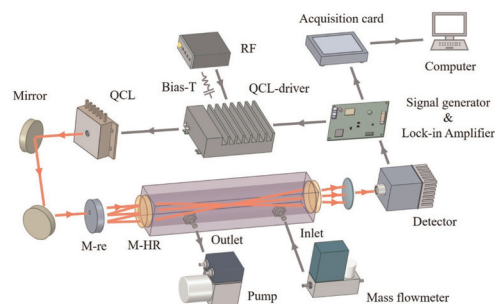
Liesl Heughebaert and Christophe Pol Stove*



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Re-injection off-axis integrated cavity output spectroscopy for the simultaneous detection of N_2O , H_2O and CO with a mid-infrared QCL laser

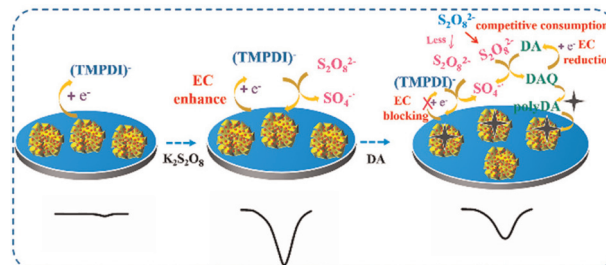
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A perylene diimide electrochemical probe with persulfate as a signal enhancer for dopamine sensing

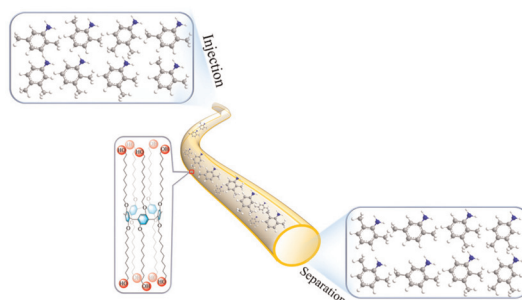
Xiaomin Cui, Huiying Geng, Hong Zhang, Xinyang Sun, Lei Shang, Rongna Ma, Liping Jia, Chuan Li,* Wei Zhang* and Huaisheng Wang*



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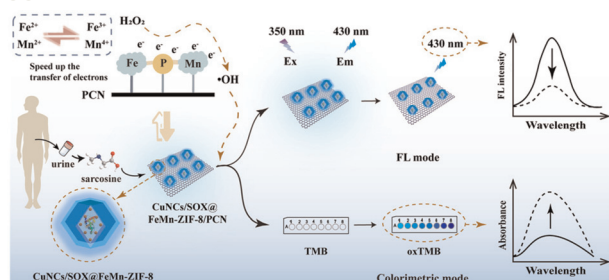
Hydroxyl-functionalized pillar[5]arene with high separation performance for gas chromatography

Mengyi Ba, Wen Li, Yanli Song, Yuanyuan Zhang, Xiang Xu, Haixin Liu, Zhiqiang Cai,* Shaoqiang Hu, Xianming Liu and Tao Sun*



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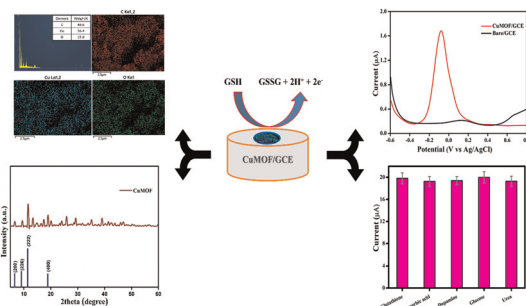
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Fluorescence and colorimetric dual-mode multienzyme cascade nanoplatfrom based on CuNCs/FeMn-ZIF-8/PCN for detection of sarcosine

Yu Wu, Chenxi Ke, Zichen Song, Hongda Zhu, Huiling Guo, Hongmei Sun and Mingxing Liu*

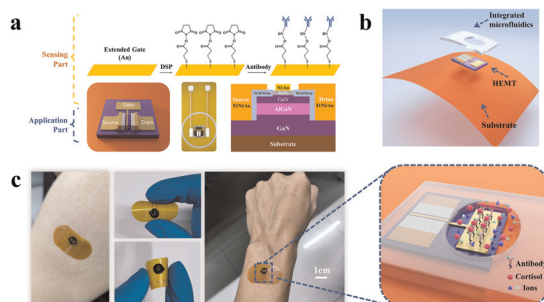
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A copper metal–organic framework-based electrochemical sensor for identification of glutathione in pharmaceutical samples

Reshma Kaimal, Aashutosh Dube, Abdullah Al Souwaileh, Jerry J. Wu and Sambandam Anandan*

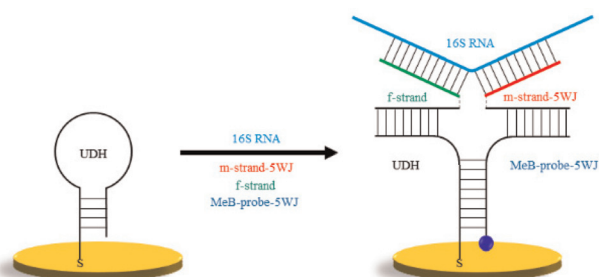
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DNA nanotechnology for nucleic acid analysis: sensing of nucleic acids with DNA junction-probes

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