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Cover

See Eliana Gianolio, Nunzia Iaccarino *et al.*, pp. 2415–2424.

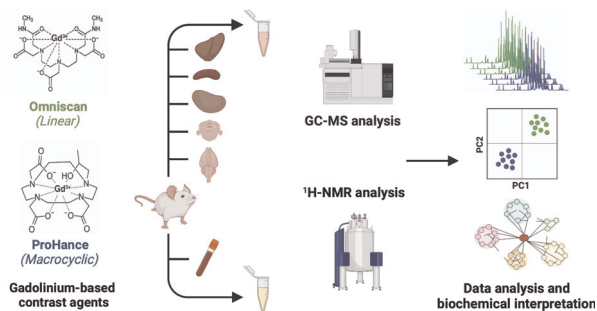
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PAPERS

2415

Comparison of the biological effects of gadodiamide (Omniscan) and gadoteridol (ProHance) by means of multi-organ and plasma metabolomics

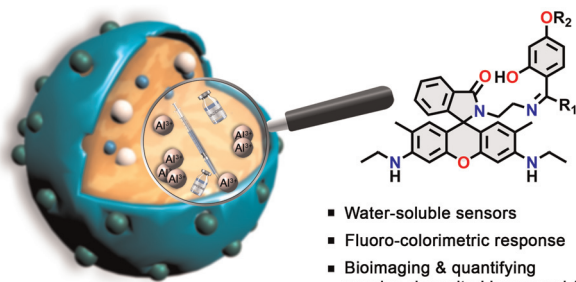
Francesca Romano, Enza Di Gregorio, Gelsomina Riccardi, Chiara Furlan, Nicola Cavallini, Francesco Savorani, Anna Di Porzio, Stefano De Tito, Antonio Randazzo, Eliana Gianolio* and Nunzia Iaccarino*



2425

Trivalent metal ion sensor enabled bioimaging and quantification of vaccine-deposited Al³⁺ in lysosomes

Kavyashree P., Ajmal Roshan Unniram Parambil, Akshay Silswal, Anup Pramanik and Apurba Lal Koner*



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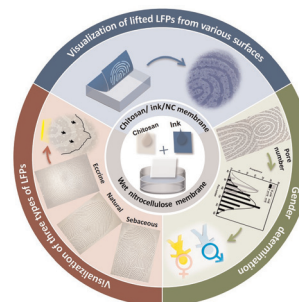
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Wet nitrocellulose membrane for the level 3 feature visualization of various latent fingerprints and gender determination

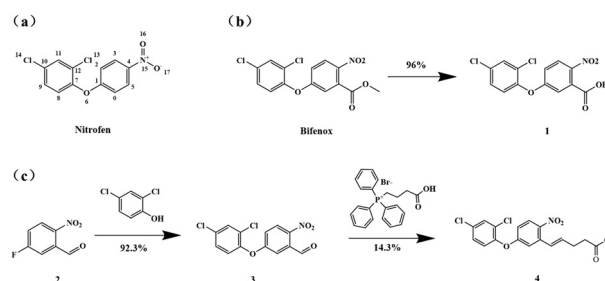
Lu Tian, Hongyu Chen, Xiangyu Sun, Lu Liu and Meiqin Zhang*



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Hapten synthesis and a colloidal gold immunochromatographic strip assay to detect nitrofen and bifenoxy in fruits

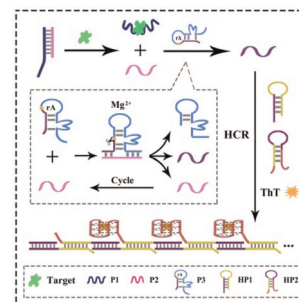
Peng Wang, Xinxin Xu, Lingling Guo, Liqiang Liu, Hua Kuang, Jing Xiao* and Chuanlai Xu*



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Self-constrained DNAzyme for aptamer-based and sensitive label-free fluorescent assay of sarafloxacin via signal amplification cascades

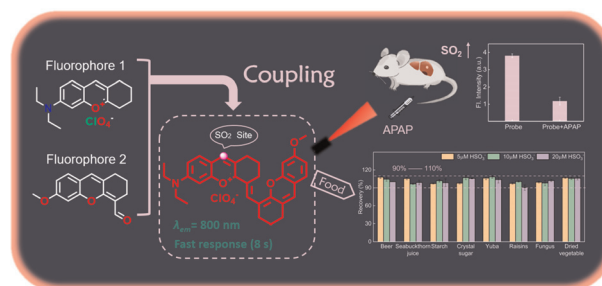
Qianying Wang, Junyi Zhang, Ruo Yuan and Yun Xiang*



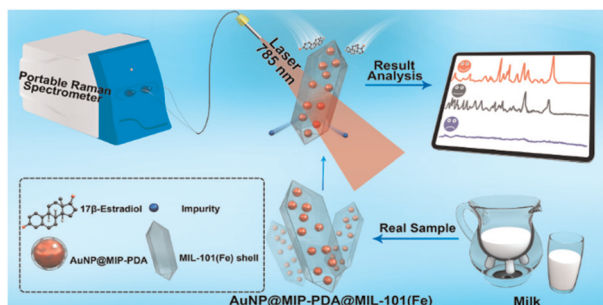
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A near-infrared fluorescent probe for *in situ* imaging of SO₂ flux in drug-induced liver injury

Xingwei Li, Huming Yan, Fangjun Huo,* Yongbin Zhang, Le Zhang, Haixian Ren and Caixia Yin*



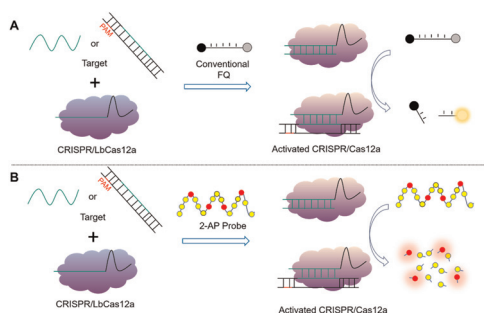
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Fabrication of molecularly-imprinted gold nanoparticle-embedded Fe-MOFs for highly selective SERS detection of 17 β -estradiol in milk

Mengmeng Zhang, Zhouya Wu, Yunhan Yang, Jing Ye, Sheng Han* and Yuanting Li*

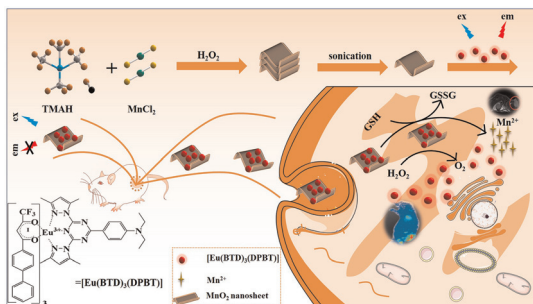
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Sensing platform for nucleic-acid detection based on a 2-aminopurine probe sheared by trans-cleavage activity of the CRISPR/Cas12a system

Xiaolong Chen, Chaowang Huang, Qiao Hu, Jing Zhang, Dan Wang, Qianyi You and Mingdong Hu*

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An activatable nanoprobe based on nanocomposites of visible-light-excitable europium(III) complex-anchored MnO₂ nanosheets for bimodal time-gated luminescence and magnetic resonance imaging of tumor cells

Bo Song,* Huinan Yan, Jiao Jiang, Jin Yu, Shengjun Huang and Jingli Yuan*

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All-electrical antibiotic susceptibility and resistance profiling of electrogenic *Pseudomonas aeruginosa*

Zahra Rafiee and Seokheun Choi*

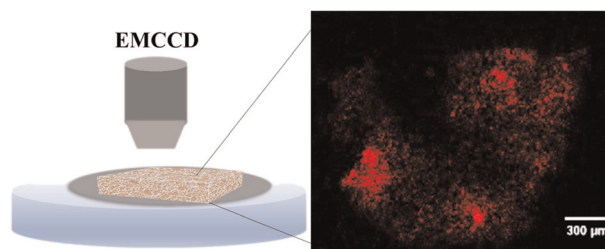


PAPERS

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Electrochemiluminescence imaging of a membrane carcinoembryonic antigen at single tissue sections

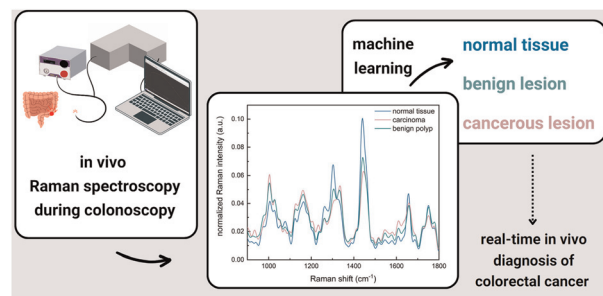
Junwei Shi, Dongni Han, Zengyu Feng, Dechen Jiang and Depeng Jiang*



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In vivo Raman spectroscopy in the diagnostics of colon cancer

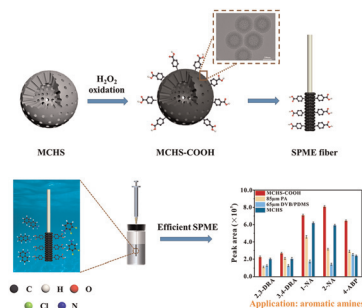
Markéta Fousková,* Jan Vališ, Alla Synytsya, Lucie Habartová, Jaromír Petrtýl, Luboš Petruželka and Vladimír Setnička



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Carboxylated mesoporous carbon hollow spheres for the efficient solid-phase microextraction of aromatic amines

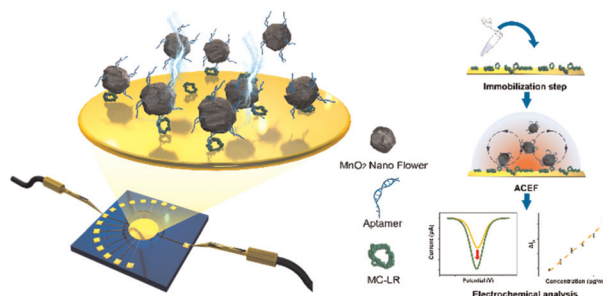
Shixiang Chen, Zejun Yu, Wenmin Zhang, Hui Chen, Qingqing Ding, Jinhua Xu, Qidong Yu and Lan Zhang*



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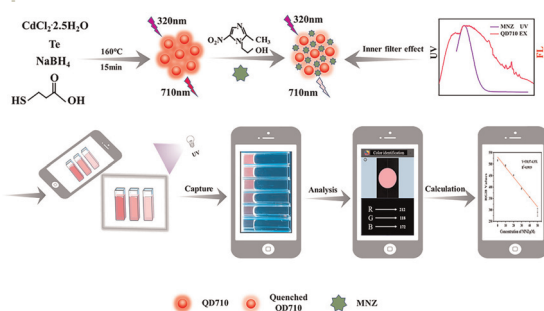
Construction of a rapid electrochemical biosensor consisting of a nanozyme/aptamer conjugate for waterborne microcystin detection

Jeong Ah Park, Yein Kwon, Xuan Ai Le, Trung Hieu Vu, Hanbin Park, Hoseok Lee, Hye Kyu Choi, Chulhwan Park, Moon Il Kim* and Taek Lee*



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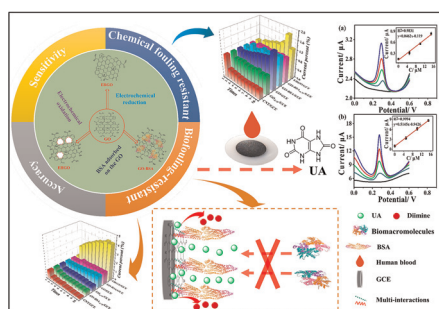
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Inner filter effect-based near-infrared fluorescent probe for detection of metronidazole on a smartphone-integrated analytical platform

Shaojie Wang, Yongbo Wang,* Yuanna Ning and Qiming Liu

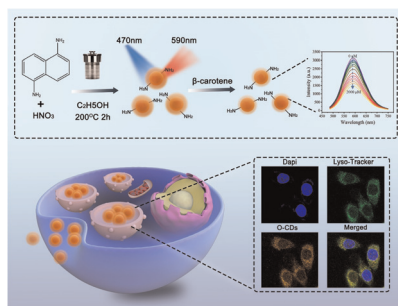
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Tunable graphene oxide for the low-fouling electrochemical sensing of uric acid in human serum

Gang Li, Chunying Xu,* Hui Xu, Liju Gan, Kai Sun and Baiqing Yuan*

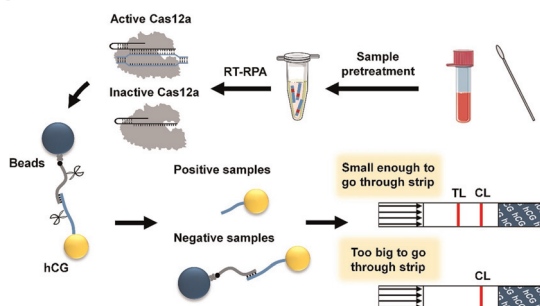
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Nitrogen-doped orange emitting carbon dots for β -carotene detection and lysosomal imaging

Xinlu Li, Tongtong Zhu, Yuwei Du, Haiyang Yan, Ruhong Yan,* Wen-Fei Dong* and Li Li*

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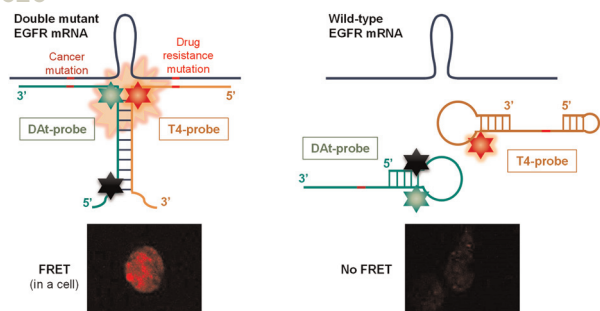


CRISPR Cas12a-enabled biosensors coupled with commercial pregnancy test strips for the visible point-of-care testing of SARS-CoV-2

Peijie Shen, Zhenjun Si, Di Huang, Zhipeng Xu,* Ziyi Wang, Mengjun Fang and Zhinan Xu*



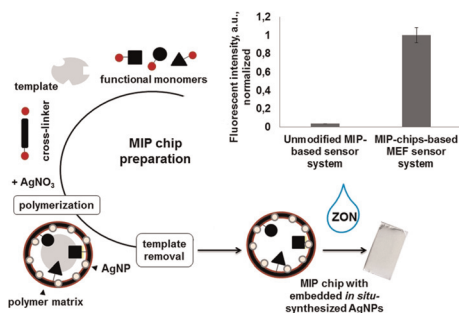
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FRET probe for detecting two mutations in one EGFR mRNA

Myat Thu, Kouta Yanai, Hajime Shigeto, Shohei Yamamura, Kazunori Watanabe and Takashi Ohtsuki*

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An enhanced fluorescent sensor system based on molecularly imprinted polymer chips with silver nanoparticles for highly-sensitive zearalenone analysis

Daria Yarynka,* Volodymyr Chegel, Elena Piletska, Sergey Piletsky, Larysa Dubey, Igor Dubey, Roman Nikolaiev, Oleksandr Brovko and Tetyana Sergeyeva

