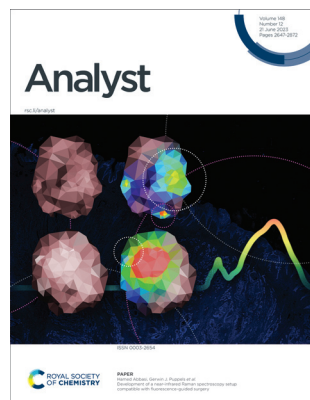


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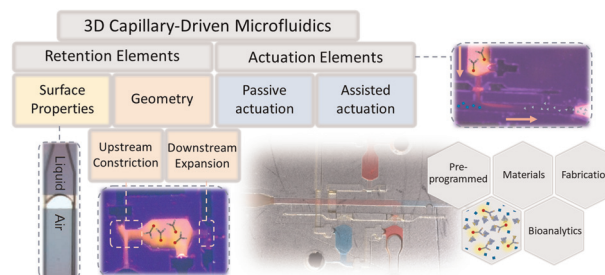
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Capillary-driven microfluidics: impacts of 3D manufacturing on bioanalytical devices

Pooya Azizian, Jasmina Casals-Terré, Jordi Ricart and Joan M. Cabot*

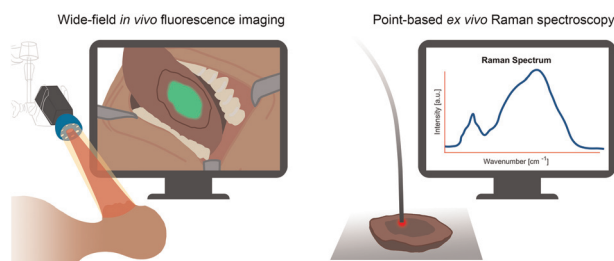


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Development of a near-infrared Raman spectroscopy setup compatible with fluorescence-guided surgery

Hamed Abbasi,* Lorraine J. Lauwerends,
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Jose A. U. Hardillo, Senada Koljenović,
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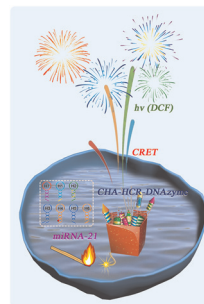


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Chemiluminescence resonance energy transfer-based multistage nucleic acid amplification circuits for MiRNA detection with low background

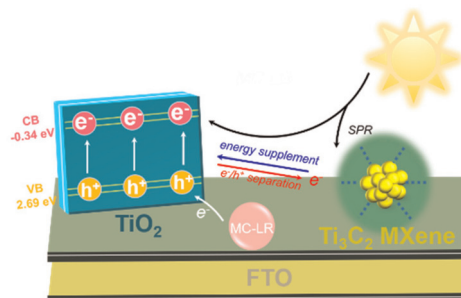
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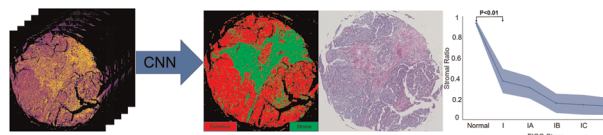
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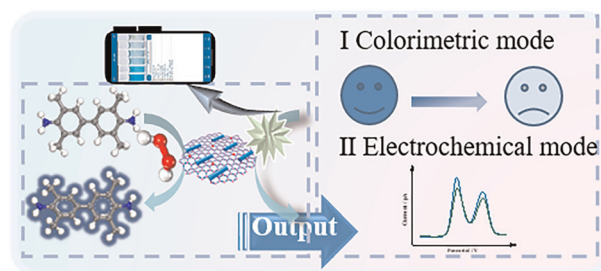
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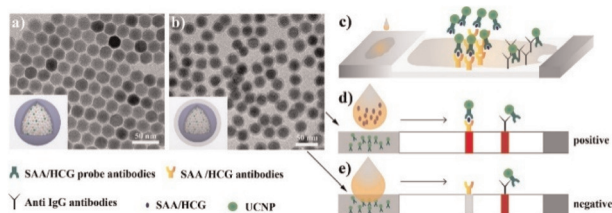
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Miaomiao Li, Xiuying Peng, Zhiguang Liu, Yan Dai, Yujie Han, Lifang Fan and Yujing Guo*



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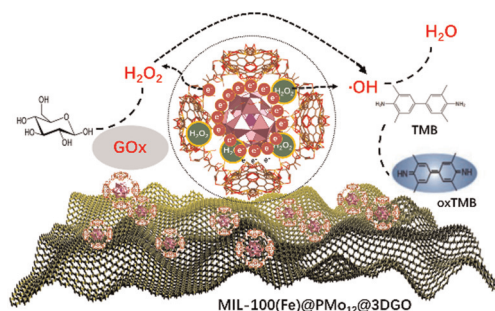
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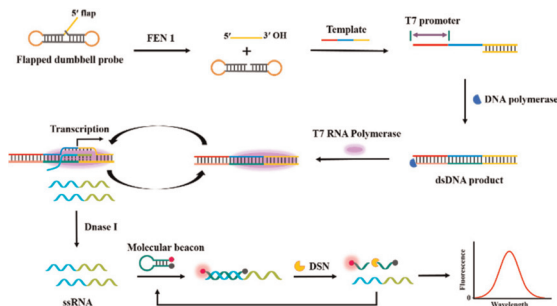
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Yuhan Ji, Yupu Wei, Jinghui Shen, Jinlong Zhuo, Mingqi Xu, Yunliang Wang* and Jingquan Sha*

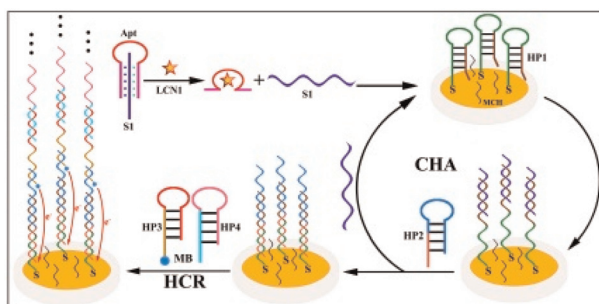
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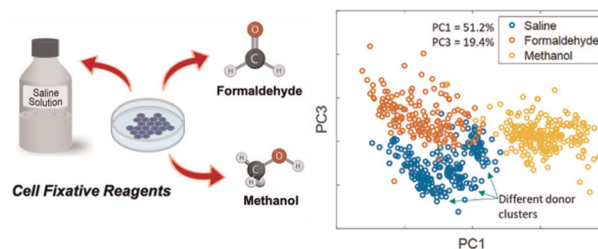


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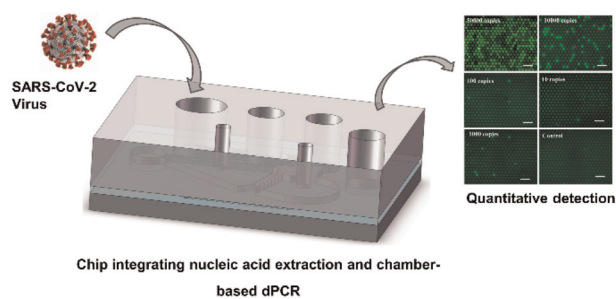
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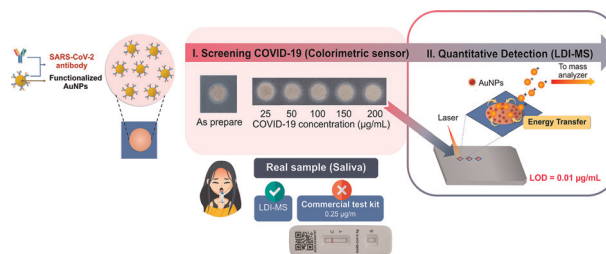
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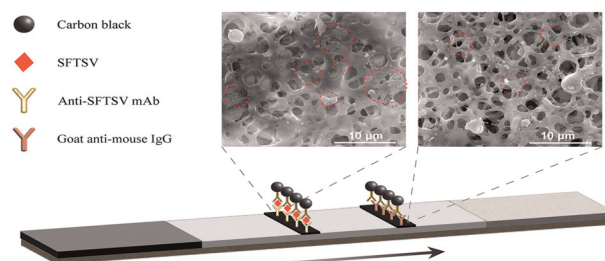
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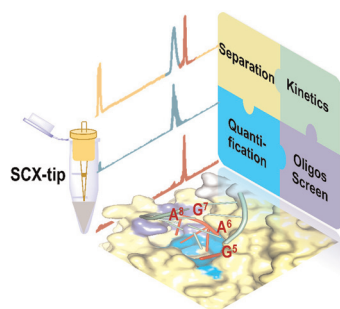
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Carbon black as a colorimetric label for an immunochromatographic test strip for severe fever with thrombocytopenia syndrome virus detection

Hao Liu, Fang Ji and Shou-Nian Ding*



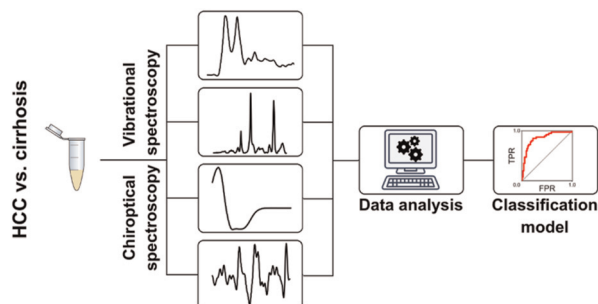
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SCX-tip-aided LC-MS detection of active ricin via oligonucleotide substrates for depurination kinetics

Zhifang Yang, Chenyu Wang, Lan Xiao, Chuang Wang, Li Tang,* Lei Guo* and Jianwei Xie

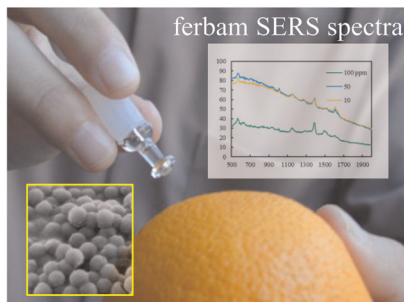
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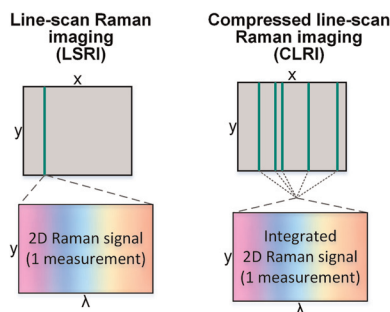
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Mass producible, robust SERS substrates based on metal film on nanosphere (MFON) on an adhesive substrate for detection of surface-adsorbed molecules and their evaluation by helium ion microscopy

H. Takei,* N. Saito, T. Okamoto, K. Watanabe, M. Westphal, R. Tomioka and A. Götzhäuser

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A critical evaluation of compressed line-scan Raman imaging

Yajun Yu,* Yichuan Dai, Xianli Wang, Kaiqin Chu and Zachary J. Smith*

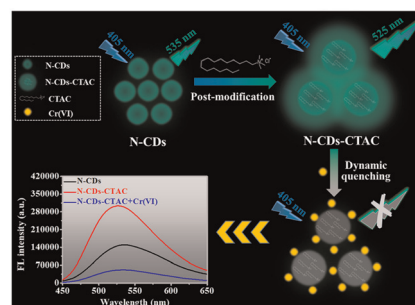


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Surfactant encapsulating N-doped carbon dots with enhanced optical properties as a selective sensor for Cr(VI) detection

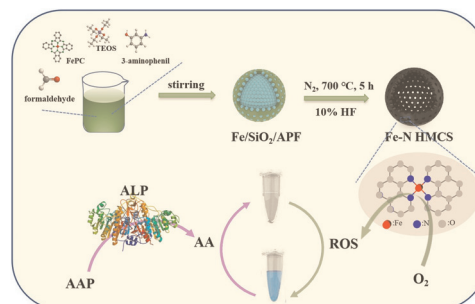
Qiუმeng Chen, Nan Li, Yulu Tian, Qian Liu, Xue Zou, Meikun Fan and Zhengjun Gong*



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Fe–N hollow mesoporous carbon spheres with high oxidase-like activity for sensitive detection of alkaline phosphatase

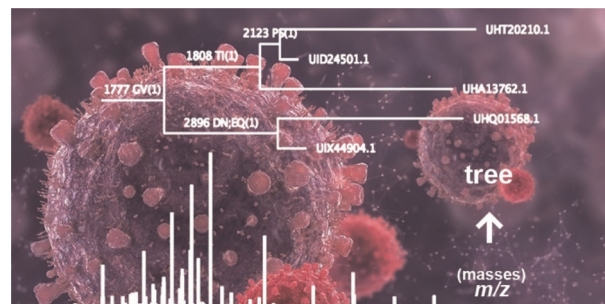
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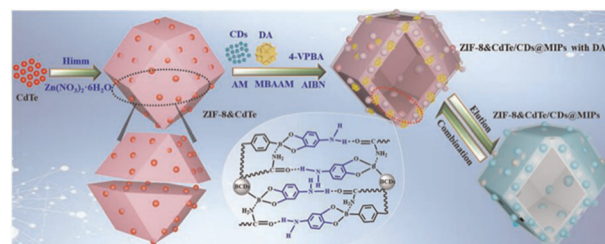
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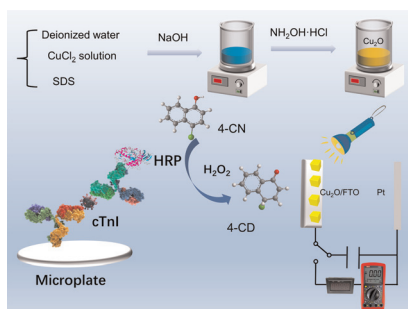
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Hollow structure molecularly imprinted ratiometric fluorescence sensor for the selective and sensitive detection of dopamine

Xiqing Liu, Ying Fang, Deqiang Zhu, Jinyu Wang, Yu Wu, Tao Wang* and Yongqing Wang*



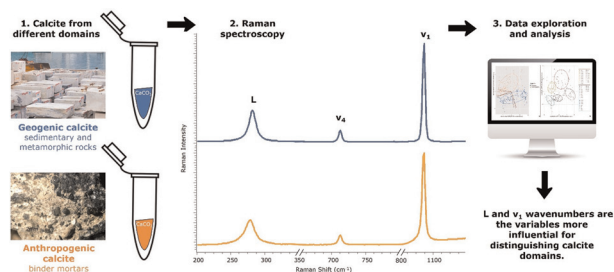
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Bizhen Huang, Jing Ran, Ruishen Li, Wei Zhuang, Jiabi Chen* and Haixin Guo*

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Non-destructive distinction between geogenic and anthropogenic calcite by Raman spectroscopy combined with machine learning workflow

Sara Calandra,* Claudia Conti, Irene Centauro and Emma Cantisani

