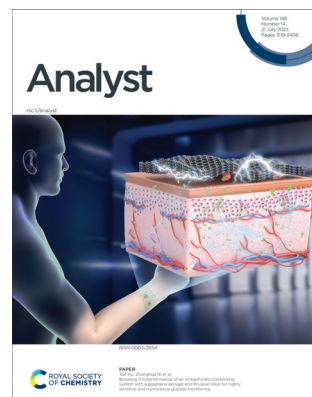


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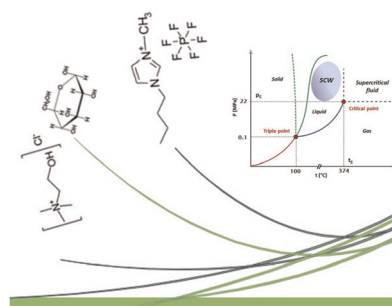
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CRITICAL REVIEW

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Greener chemistry in analytical sciences: from green solvents to applications in complex matrices. Current challenges and future perspectives: a critical review

Slavica Ražić,* Jelena Arsenijević, Svetlana Đogo Mračević, Jasmina Mušović and Tatjana Trtić-Petrović

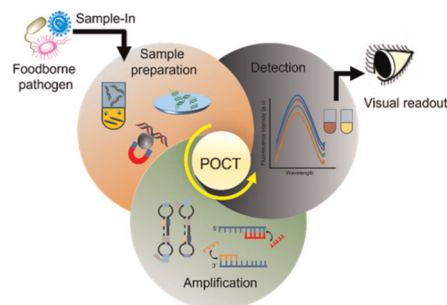


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Rajamanickam Sivakumar and Nae Yoon Lee*



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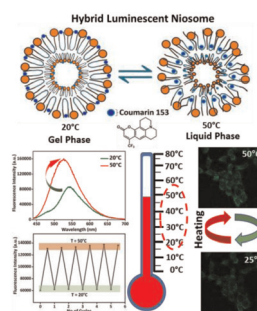


COMMUNICATIONS

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Designing a nanothermometer using gel-to-liquid phase transition property of hybrid niosome

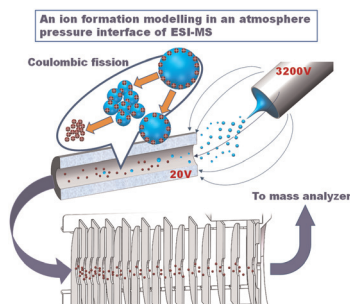
Ronak Lazarus, Rupal Kothari, Sravani Kaja, Venkata Vamsi Krishna Venuganti* and Amit Nag*



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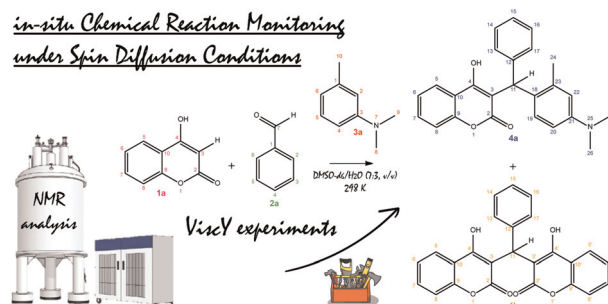
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François Pedinielli, Ritchy Leroy, Salah-Eddine Akrial, Anthony Robert, Jean-Marc Nuzillard and Pedro Lameiras*

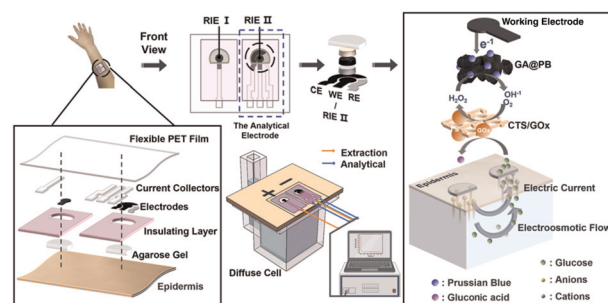


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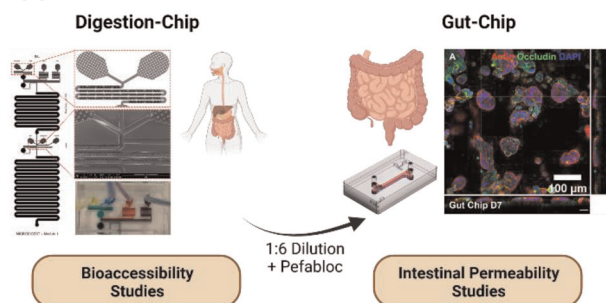
Boosting the performance of an iontophoretic biosensing system with a graphene aerogel and Prussian blue for highly sensitive and noninvasive glucose monitoring

Xiao Li, Tong Li, Baoyang Liu, Ning Hu, Tao Hu* and Zhonghua Ni*



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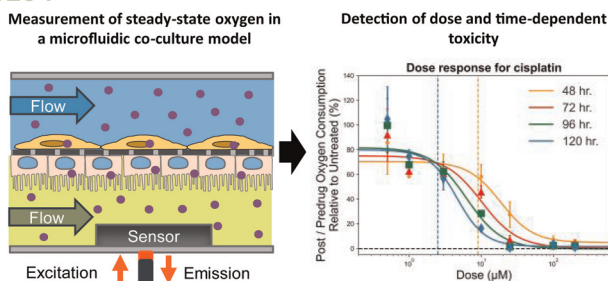
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From mouth to gut: microfluidic *in vitro* simulation of human gastro-intestinal digestion and intestinal permeability

Miguel Xavier, Patrícia M. Rodrigues, Mafalda D. Neto, Maria I. Guedes, Victor Calero, Lorenzo Pastrana and Catarina Gonçalves*

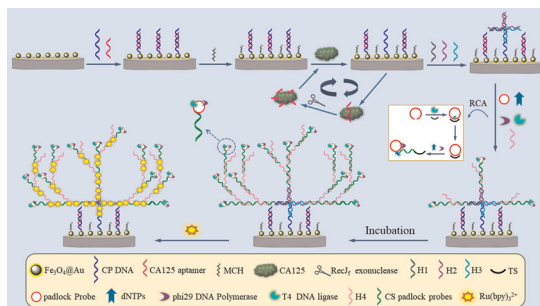
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Steady-state monitoring of oxygen in a high-throughput organ-on-chip platform enables rapid and non-invasive assessment of drug-induced nephrotoxicity

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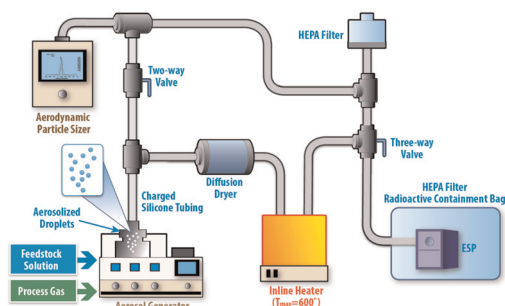
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Li He, Ciping Chen, Yongge Liu, Hong Hai and Jianping Li*

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Production of mixed element actinide reference particulates to support nuclear safeguards using THESEUS, an aerosol-based particulate synthetic methodology

Benjamin E. Naes, Spencer Scott, Abigail Waldron, Seth Lawson, Michael G. Bronikowski, Laken I. Gleaton, Ross J. Smith, Kimberly N. Wurth, Travis J. Tenner and Matthew Wellons*

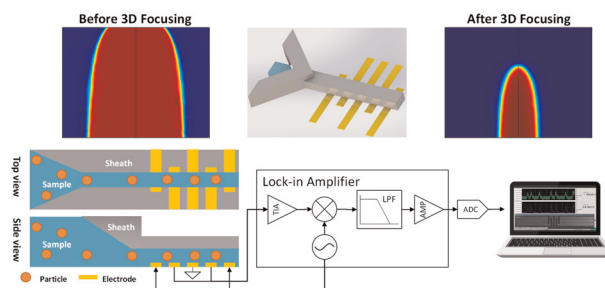


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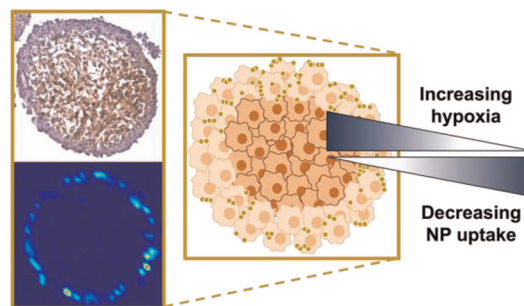
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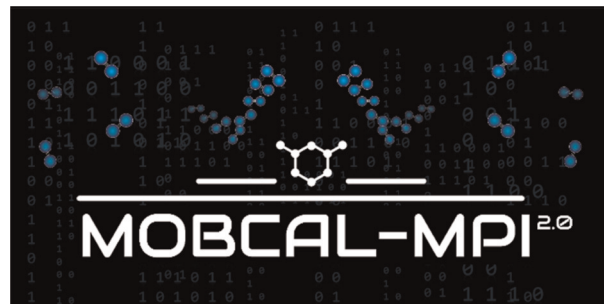
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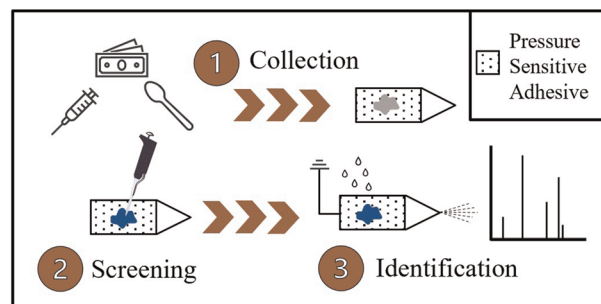
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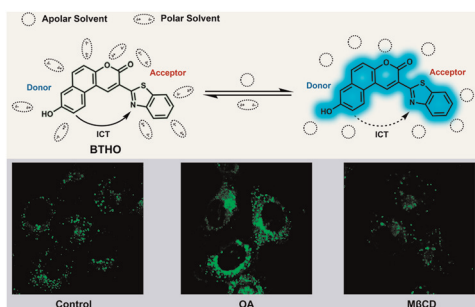
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Sarah Prunty, Daniel Carmany, Elizabeth S. Dhummakupt and Nicholas E. Manicke*



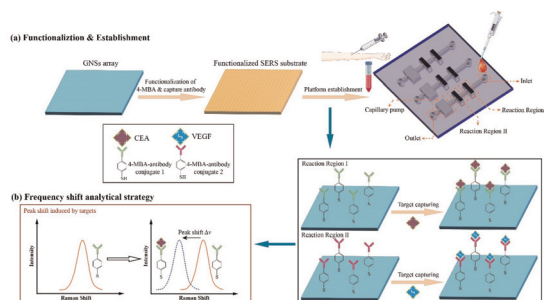
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A fluorescent probe for lipid droplet polarity imaging with low viscosity crosstalk

Bo Lin, Zhenru Li, Qi Zan, Li Fan, Yang Shu* and Jianhua Wang*

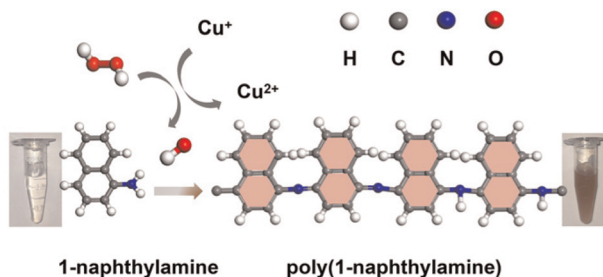
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Ultrasensitive detection of gastric cancer biomarkers via a frequency shift-based SERS microfluidic chip

Yong Huang, Zhengqing Liu, Xiaogang Qin, Jia Liu, Yan Yang and Wei Wei*

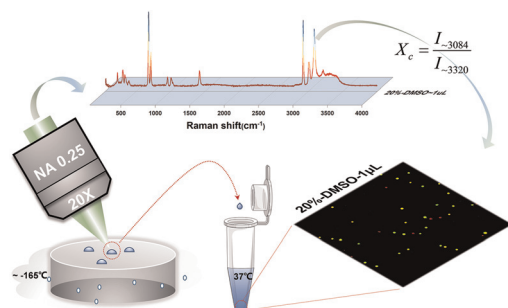
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A colorimetric chemosensor for sensitive and selective detection of copper(II) ions based on catalytic oxidation of 1-naphthylamine

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A study on the relationship between the crystallization characteristics of quenched droplets and the effect of cell cryopreservation with Raman spectroscopy

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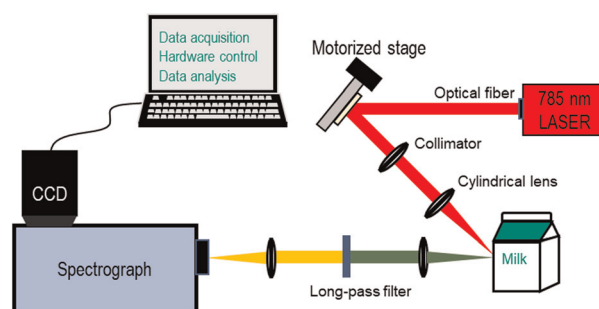


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Quantitative fat analysis of milk using a line-illumination spatially offset Raman probe through carton packaging

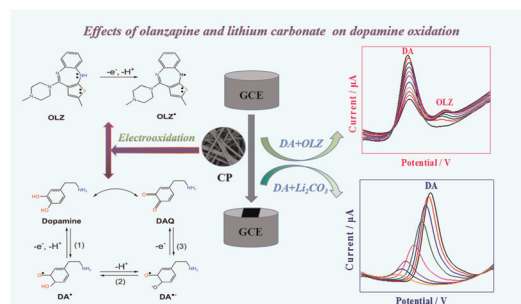
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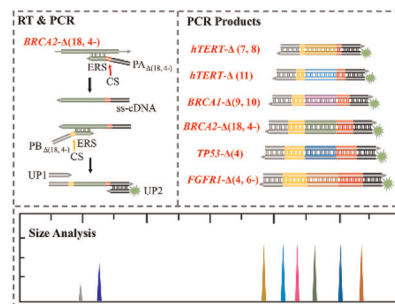
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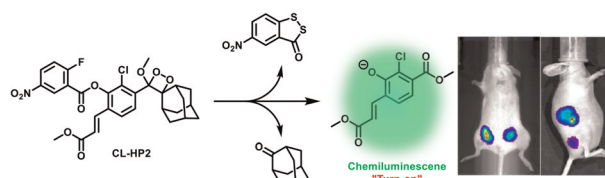
Yuting Jia, Honghong Wang,* Hui Wang, Fangfang Wang, Kejian Gao and Zhengping Li*



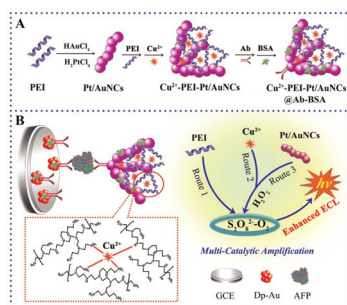
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A chemiluminescent sensor for imaging endogenous hydrogen polysulfides in a living system

Hanqing Zhao, Fenghui Qi, Yanian Xiong and Jianzhong Lu*



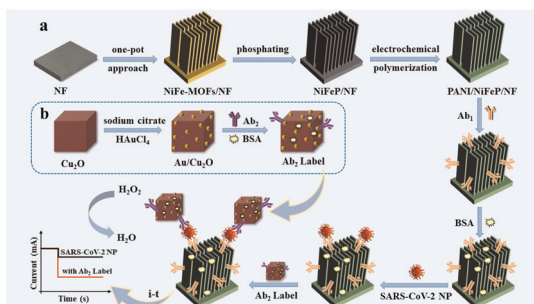
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An electrochemiluminescence immunosensor based on multipath signal catalytic amplification integrated in a Cu^{2+} -PEI-Pt/AuNC nanocomposite

Haijun Wang,* Yuhang Song, Yaqin Chai and Ruo Yuan*

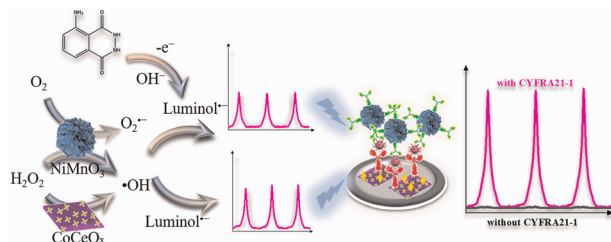
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A polyaniline functionalized NiFeP nanosheet array-based electrochemical immunosensor using Au/Cu₂O nanocubes as a signal amplifier for the detection of SARS-CoV-2 nucleocapsid protein

Liwei Bai, Yufen Shi, Xue Zhang, Xiaowei Cao, Jianhua Jia, Huanhuan Shi* and Wenbo Lu*

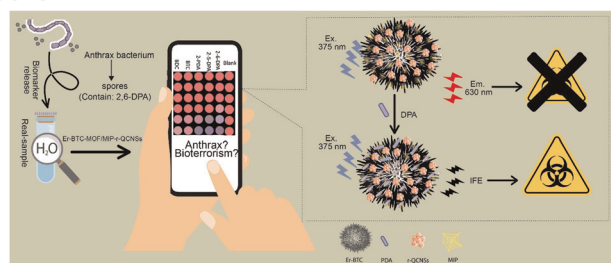
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Co-amplification of luminol-based electrochemiluminescence immunosensors based on multiple enzyme catalysis of bimetallic oxides CoCeO_x and NiMnO₃ for the detection of CYFRA21-1

Jingjing Zhang, Min Li, Jinglong Fang, Caihong Wang, Lei Liu, Wei Cao* and Qin Wei*

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Red-emissive carbon nanostructure-anchored molecularly imprinted Er-BTC MOF: a biosensor for visual anthrax monitoring

Solmaz Norouzi, Kheibar Dashtian, Fereshteh Amourizi and Rouhollah Zare-Dorabei*

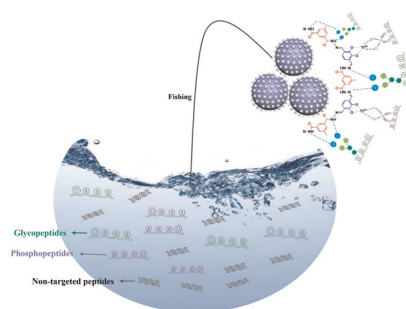


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Self-assembly of hydrazide-linked porous organic polymers rich in titanium for efficient enrichment of glycopeptides and phosphopeptides from human serum

Danni Wang, Quanshou Feng, Yiting Luo, Weimin Wang,*
Yinghua Yan* and Chuan-Fan Ding*



CORRECTION

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Correction: Supramolecular self-assembly of amantadine hydrochloride with ferulic acid via dual optimization strategy establishes a precedent of synergistic antiviral drug-phenolic acid nutraceutical cocrystal

Ling-Yang Wang, Yuan-Yuan Niu, Ming-Yu Zhao, Yue-Ming Yu, Yan-Tuan Li,* Zhi-Yong Wu and Cui-Wei Yan*

