

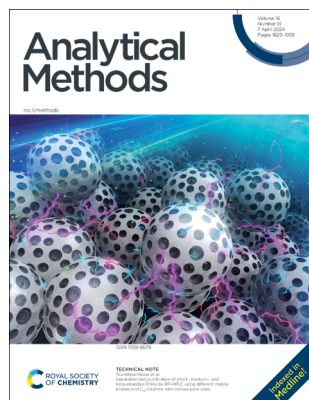
Analytical Methods

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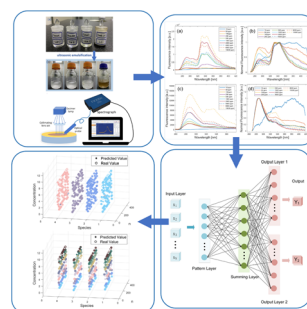
See Tsunehisa Hirose *et al.*, pp. 1948–1956. Image reproduced by permission of NACAL TESQUE, Inc., for *Anal. Methods*, 2024, 16, 1948.

PAPERS

1836

Mineral oil emulsion species and concentration prediction using multi-output neural network based on fluorescence spectra in the solar-blind UV band

Bowen Gong, Shilei Mao, Xinkai Li and Bo Chen*



1846

A ratiometric fluorescent probe with a large Stokes shift for the detection of Hg²⁺ and its applications in environmental sample and living system analysis

Jixiang Tian, Xuechun Tian, Shuai Gong, Yueyin Liang, Zhiyuan Meng, Weiqi Liu, Xu Xu, Zhonglong Wang* and Shifa Wang*



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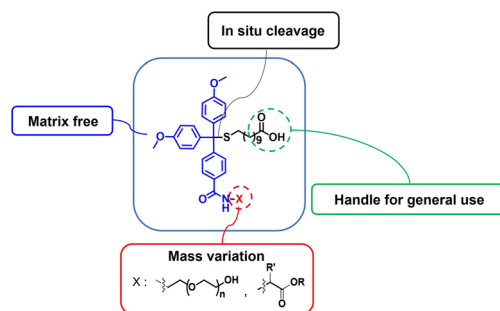
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1856

Preparation and evaluation of *in situ* photocleavable mass tags with facile mass variation for matrix-free laser desorption/ionization mass spectrometry

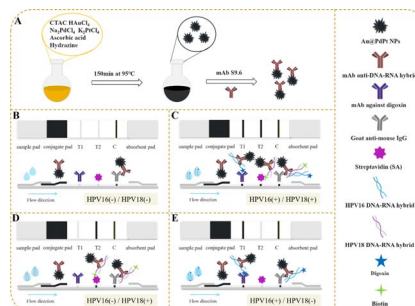
Jin-Gyu Na, Seokhwan Ji, Hyunook Kang and Woon-Seok Yeo*



1862

Rapid immunoassay for dual-mode detection of HPV16 and HPV18 DNA based on Au@PdPt nanoparticles

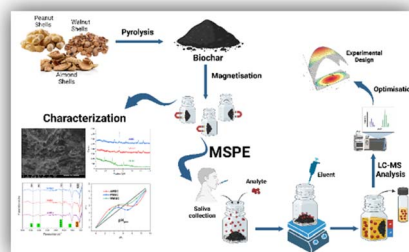
Huanxin Xiao, Weiguang Chen, Mingxia Lin, Shilin Jiang, Xiping Cui* and Suqing Zhao*



1870

The potential of lignocellulosic biomass for magnetic solid phase extraction of naproxen from saliva samples

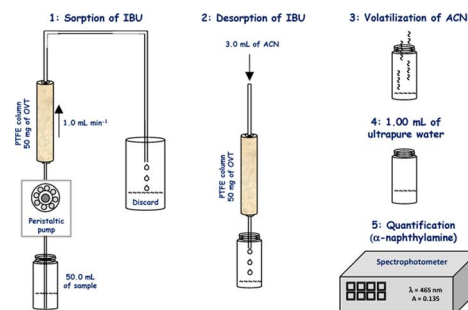
Marwa Aouled Abdallah, Rafika Ben Sghaier, Mohammed Zougagh, Latifa Latrous* and Adel Megriche



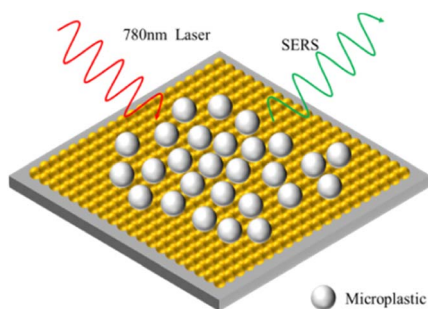
1880

Evaluation of organo-vermiculites as sorbent phases for solid-phase extraction of ibuprofen from water

Luis Fernando A. Batista, Sara Renata S. Gonçalves, Carolina D. Bressan, Marco T. Grassi and Gilberto Abate*



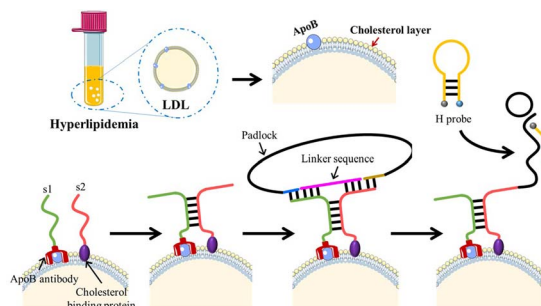
1887



Quantitative analysis of microplastics in seawater based on SERS internal standard method

Zhigang Di, Jianxin Gao, Jinxin Li, Hao Zhou and Chunrong Jia*

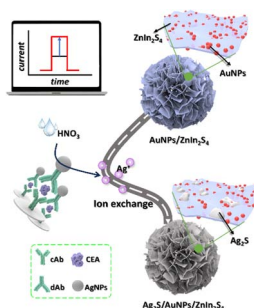
1894



Accurate and sensitive low-density lipoprotein (LDL) detection based on the proximity ligation assisted rolling circle amplification (RCA)

Xingyu Zhang, Jie Li, Mei Yang, Hong Huang, Hao Wang and Hongmin Zhang*

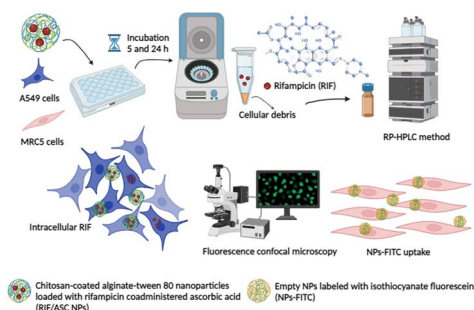
1901



Split-type photoelectrochemical immunoassay for sensitive quantification of carcinoembryonic antigen based on target-induced *in situ* formation of Z-type heterojunction

Jianhui Zhang, Meirong Tan, Qian Chen, Kangyao Zhang,* Qian Zhou,* Wenqiang Lai and Dianping Tang

1908



Quantification of rifampicin loaded into inhaled polymeric nanoparticles by reversed phase high-performance liquid chromatography in pulmonary nonphagocytic cellular uptake

Ivana Romina Scolari, Benjamín De La Cruz-Thea, Melina Mara Musri and Gladys Ester Granero*

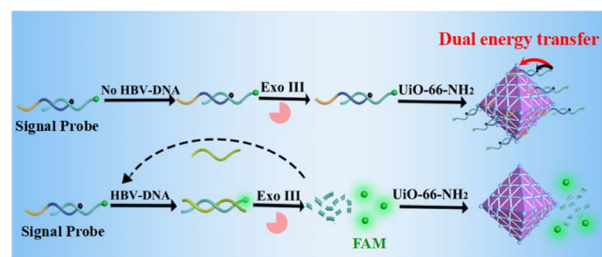


PAPERS

1916

MOF-mediated dual energy transfer nanoprobe integrated with exonuclease III amplification strategy for highly sensitive detection of DNA

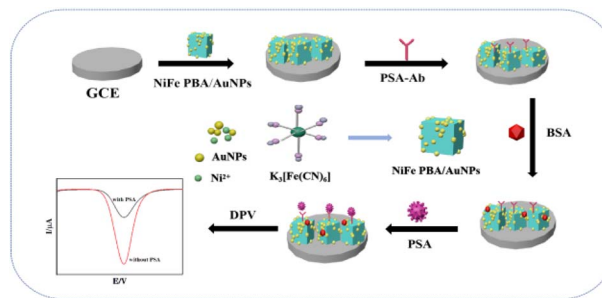
Xiaojing Xing,^{*} Mengying Gao, Minglin Lei, Kunqi Cheng, Yifan Zhao, Xianchao Du, Luyi Zong, Dongfang Qiu^{*} and Xueguo Liu^{*}



1923

A NiFe PBA/AuNPs nanocomposite sensitive immunosensor for electrochemical detection of PSA

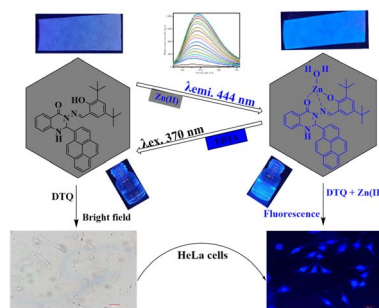
Xin Hua, Tongxiao Zhao, Xueqin Gui and Baokang Jin^{*}



1934

A pyrene-induced PET-based chemosensor for biologically important Zn(II) ions: application in test strips and live cell imaging studies

Chethanakumar, Mahantesh B. Budri, Kalagouda B. Gudasi,^{*} Ramesh S. Vadavi,^{*} Mallikarjun K. Patil, Vijay M. Kumbar and Sanjeev R. Inamdar



TECHNICAL NOTE

1948

Separation and purification of short-, medium-, and long-stranded RNAs by RP-HPLC using different mobile phases and C₁₈ columns with various pore sizes

Makoto Ozaki, Tomomi Kuwayama, Motoshi Shimotsuma and Tsunehisa Hirose^{*}

