Analytical Methods

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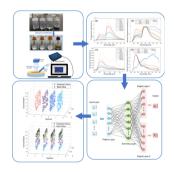
See Tsunehisa Hirose et al., pp. 1948-1956. Image reproduced by permission of NACALAI TESQUE, Inc., for Anal. Methods, 2024, 16, 1948.

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*



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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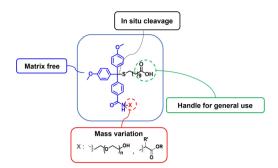


PAPERS

1856

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

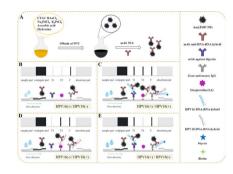
Jin-Gyu Na, Seokhwan Ji, Hyunook Kang and Woon-Seok Yeo*



1862

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

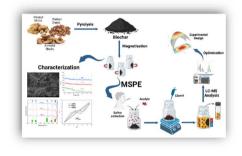
Huanxin Xiao, Weiguang Chen, Mingxia Lin, Shilin Jiang, Xiping Cui* and Suging Zhao*



1870

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

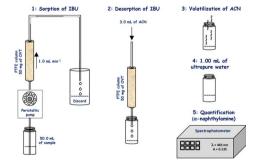
Marwa Aouled Abdallah, Rafika Ben Sghaier, Mohammed Zougagh, Latifa Latrous* and Adel Megriche



1880

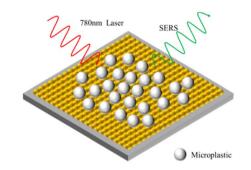
Evaluation of organo-vermiculites as sorbent phases for solid-phase extraction of ibuprofen from water

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



PAPERS

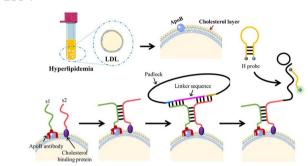
1887



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

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

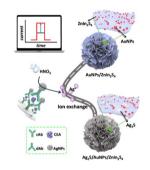




Accurate and sensitive low-density lipoprotein (LDL) detection based on the proximity ligation assisted rolling circle amplification (RCA)

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

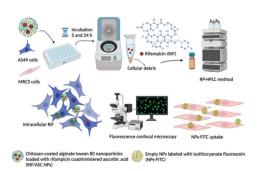
1901



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,* Wengiang Lai and Dianping Tang

1908



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

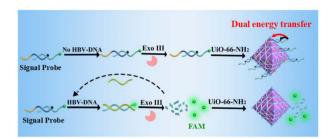
Ivana Romina Scolari, Benjamín De La Cruz-Thea, Melina Mara Musri and Gladys Ester Granero*

PAPERS

1916

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

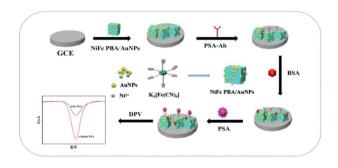
Xiaojing Xing,* Mengying Gao, Minglin Lei, Kungi Cheng, Yifan Zhao, Xianchao Du, Luyi Zong, Dongfang Qiu* and Xueguo Liu*



1923

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

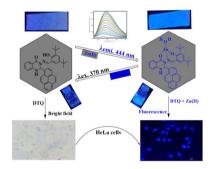
Xin Hua, Tongxiao Zhao, Xueqin Gui and Baokang Jin*



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*

