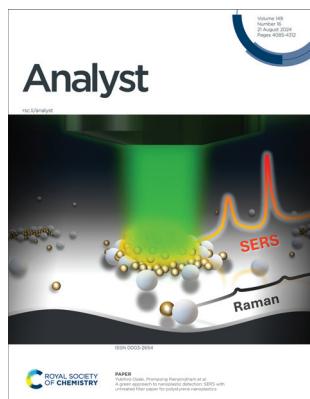


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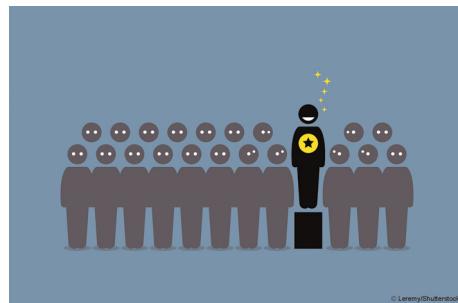
See Yukihiro Ozaki,
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EDITORIAL

4094

Outstanding Reviewers for *Analyst* in 2023

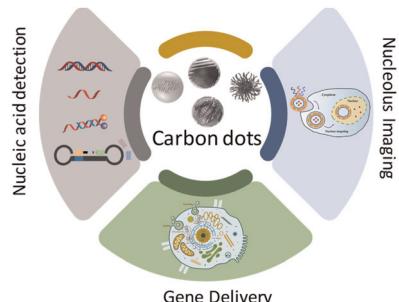


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Comprehensive review on fluorescent carbon dots
and their applications in nucleic acid detection,
nucleolus targeted imaging and gene delivery

Arumugam Selva Sharma and Nae Yoon Lee*



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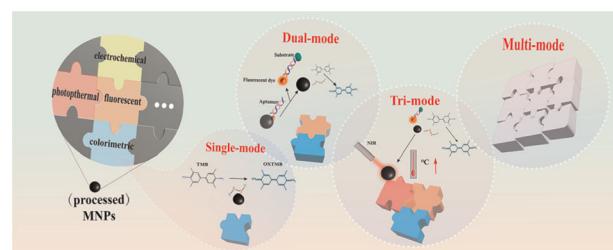


CRITICAL REVIEWS

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Multimodal biosensing systems based on metal nanoparticles

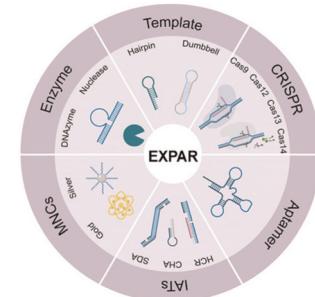
Liang Yan, Peijia Zheng, Zhicheng Wang, Wenjie Wang, Xiaoman Chen and Qi Liu*



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EXPAR for biosensing: recent developments and applications

Xinyi Ou, Kunxiang Li, Miao Liu, Jiajun Song, Zhihua Zuo* and Yongcan Guo*

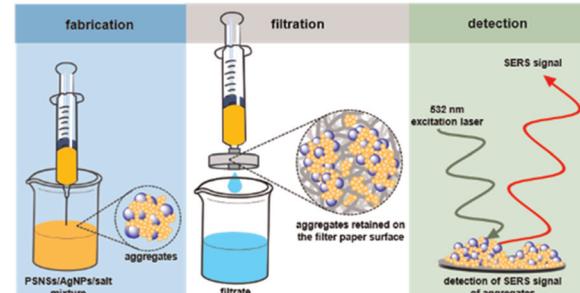


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A green approach to nanoplastic detection: SERS with untreated filter paper for polystyrene nanoplastics

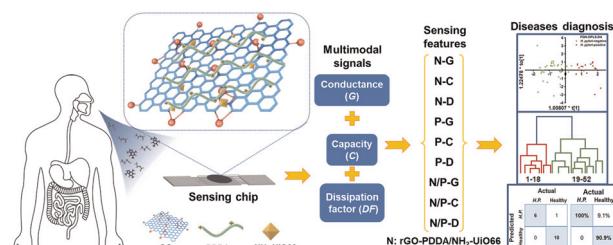
Boonphop Chaisrikhwun, Mary Jane Dacillo Balani, Sanong Ekgasit, Yunfei Xie, Yukihiko Ozaki* and Prompong Pienpinijtham*



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High-precision *Helicobacter pylori* infection diagnosis using a dual-element multimodal gas sensor array

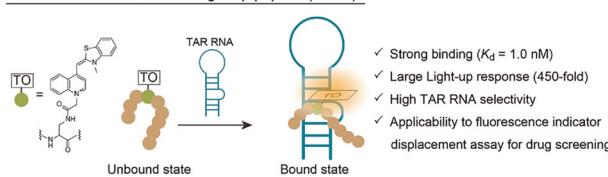
Jiaying Wu, Shiyuan Xu, Xuemei Liu, Jingwen Zhao, Zhengfu He, Aiwu Pan* and Jianmin Wu*



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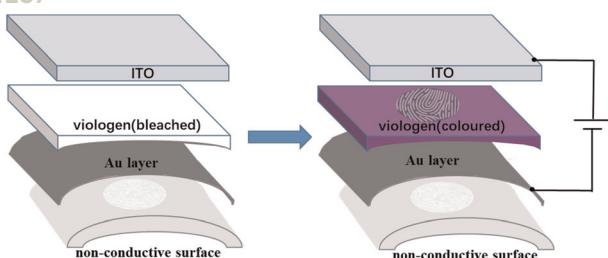
Forced intercalation-induced light-up peptide (FiLuP)



Forced intercalation-induced light-up peptides as fluorogenic indicators for the HIV-1 TAR RNA-ligand assay

En Ting Tabitha Lee, Yusuke Sato,* Akunna F. Ujuagu and Seiichi Nishizawa*

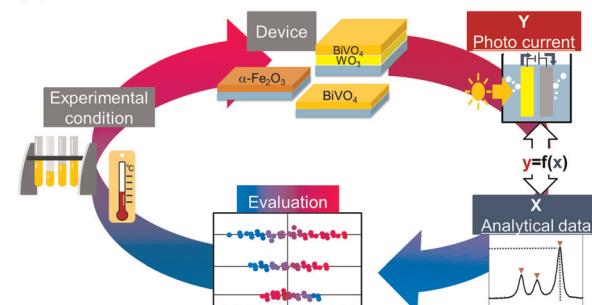
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Electrochromic visualization of latent fingermarks deposited on nonconductive surfaces

Yawen Kong, Xiuge Shi, Meng Wang, Weiyi Chen, Lu Li,* Lan Zhang and Debao Xiao*

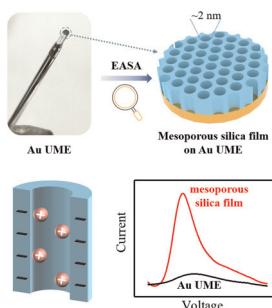
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A robust methodology for PEC performance analysis of photoanodes using machine learning and analytical data

Moeko Tajima, Yuya Nagai, Siyan Chen, Zhenhua Pan and Kenji Katayama*

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Ultrasensitive detection of dopamine using Au microelectrodes integrated with mesoporous silica thin films

Juan Huang, Huaxu Zhou, Yanqi Zou, Huiqing Liu* and Qianjin Chen*

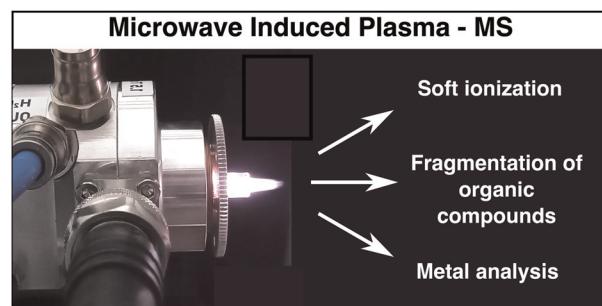


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Study of a microwave induced plasma as a universal ion source for inorganic and organic mass spectrometry

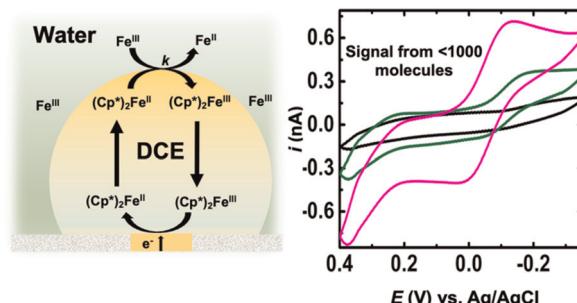
Marc-Aurèle Boillat and Peter C. Hauser*



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Amplifying the electrochemical footprint of <1000 molecules in a dissolving microdroplet

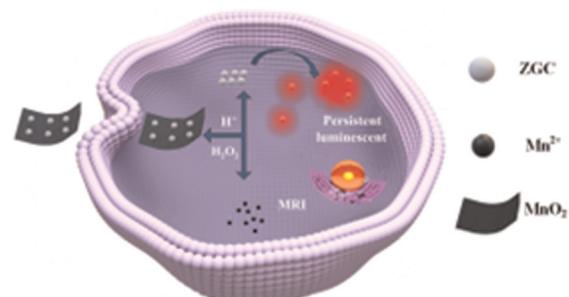
James H. Nguyen, Ashutosh Rana and Jeffrey E. Dick*



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Yiming Wang, Jintao He, Rong Feng, Jingwen Chen, Gege Xie, Shengrong Yu,* Yong-Xiang Wu* and Keqi Tang*



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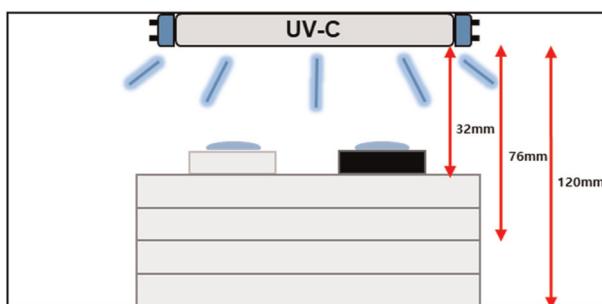
Development of a flow system for decentralized electrochemical analysis of heavy metals using screen-printed electrodes: the importance of sensor stability

Serena Laschi, Patrick Severin Sfragano, Francesco Tadini-Buoninsegni, Nathalie Guigues and Ilaria Palchetti*



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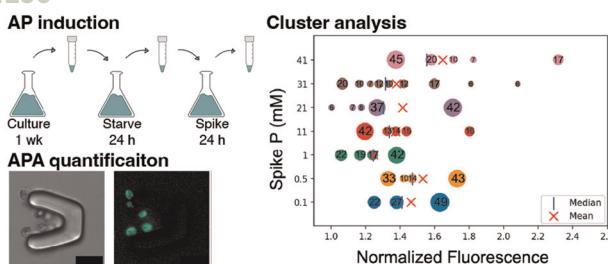
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Sterilization efficacy of a homemade UV lamp system on ceramic and porcelain tiles

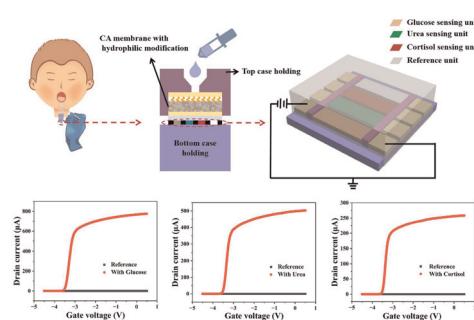
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Alireza Rahnama, Manibarathi Vaithyanathan, Luis Briceno-Mena, Travis M. Dugas, Kelly L. Yates, Jose A. Romagnoli and Adam T. Melvin*

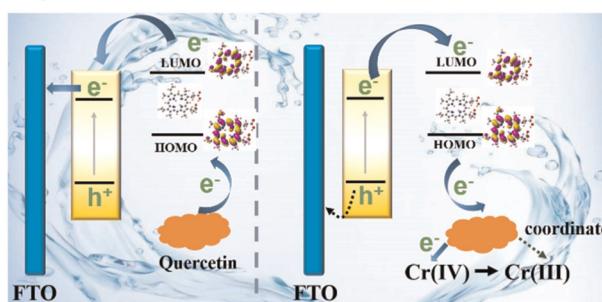
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Zhiqi Gu,* Hui Chang, Guo Yang, Boxuan Xu, Bin Miao and Jiadong Li*

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Photoelectrochemical signal polarity transition mediated by quercetin for the detection of neuron-specific enolase

Rui Xu, Chenyu Jiang* and Qin Wei*

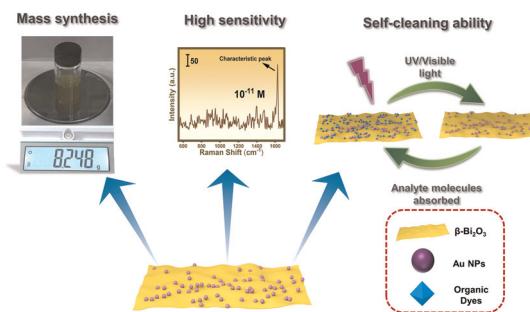


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Au nanoparticles decorated β -Bi₂O₃ as highly-sensitive SERS substrate for detection of methylene blue and methyl orange

Binbin Chen, Lizhu Fan, Chunyu Li, Lu Xia, Kaiwen Wang, Jinshu Wang, Dawei Pang,* Zhouhao Zhu* and Peijie Ma*



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Colby E. Ott

