

# Analyst

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### Cover

See Ping Ma,  
Wenxuan Zhong,  
Yiping Zhao *et al.*,  
pp. 460–469.

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Tao Wang and  
Yiping Zhao  
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2025, **150**, 460.

## EDITORIAL

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### 150 years of *Analyst* encompassing Raman and SERS development

Karen Faulds, Katsumasa Fujita, Pavel Matousek and Zachary D. Schultz

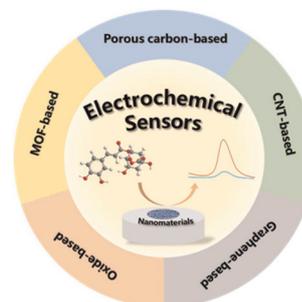


## MINIREVIEW

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### High-sensitivity and stability electrochemical sensors for chlorogenic acid detection based on optimally engineered nanomaterials

Lin-Wei Chen,\* Nannan Lu and Lei Wang\*



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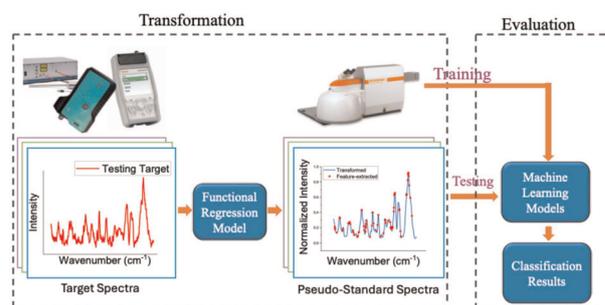
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### Functional regression for SERS spectrum transformation across diverse instruments

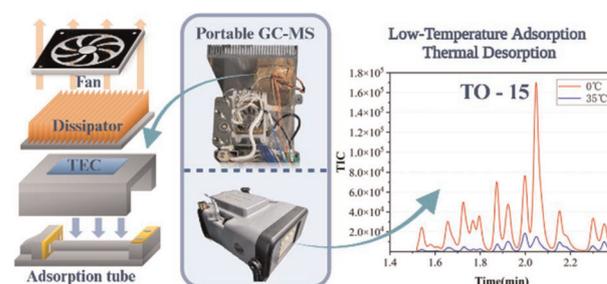
Tao Wang, Yanjun Yang, Haoran Lu, Jiaheng Cui, Xianyan Chen, Ping Ma,\* Wenxuan Zhong\* and Yiping Zhao\*



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### Development of a portable gas chromatograph–mass spectrometer embedded with a low-temperature adsorption thermal desorption module for enhanced detection of volatile organic compounds

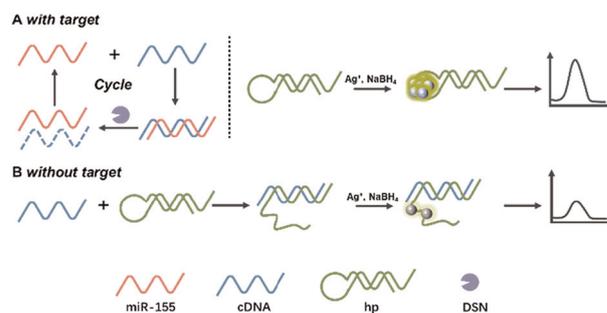
Yulin Chen, Junwei Qiu, Kai Xu, Huijun Zhu, Shuo Zhang, Xinxin Lu and Xiaoxu Li\*



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### Label-free miRNA fluorescent biosensors based on duplex-specific nucleases and silver nanoclusters

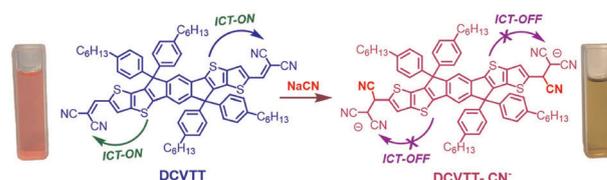
Yuxin Zheng, Qian Wang, Zhiying Jin, Tingting Zhang, Jianshe Huang,\* Jianshan Ye\* and Xiurong Yang\*



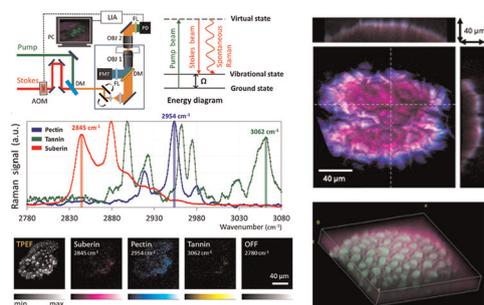
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### ICT-based fluorescent nanoparticles for selective cyanide ion detection and quantification in apple seeds

Upendar Reddy Gandra,\* Rabindranath Lo, Praveen B. Managutti, Abdul Mannan Butt, Pogula Sreekanth Reddy, Ahasan Ul Haq Qurashi, Sharmarke Mohamed and M. Infas H. Mohideen\*



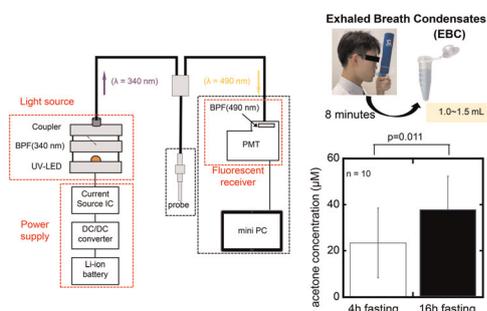
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## Shedding new light on the hidden complexity of seeds: chemically selective imaging of seed coats with stimulated Raman scattering microscopy

Chun-Chin Wang, Steven Penfield and Julian Moger\*

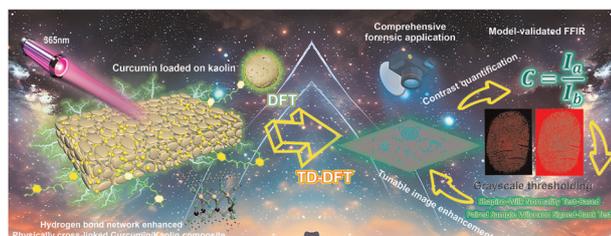
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## A handheld biofluorometric system for acetone detection in exhaled breath condensates

Geng Zhang, Kenta Ichikawa, Kenta Iitani, Yasuhiko Iwasaki and Kohji Mitsubayashi\*

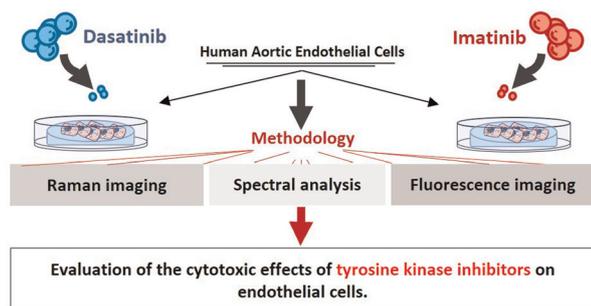
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## Curcumin/kaolin composite for advanced latent fingerprint imaging with fluorescence quantification

Jiujiang Wang, Dawu Li,\* Jianghua Zhang, Zijian Gao and Jinke Han

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## Assessing endothelial cytotoxicity induced by tyrosine kinase inhibitors: insights from Raman and fluorescence imaging

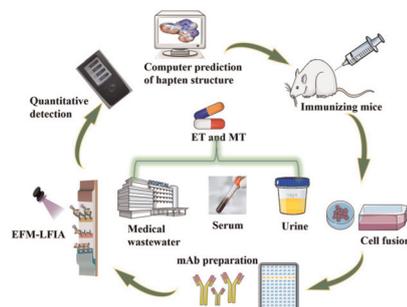
Jagoda Orleanska, Weronika Krol and Katarzyna Majzner\*



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### Fluorescent microsphere-based strip for sensitive and quantitative detection of etomidate and metomidate

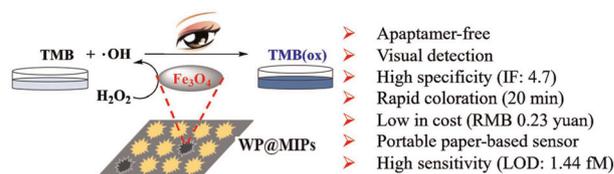
Qingqing Liu, Xinxin Xu, Liqiang Liu, Aihua Qu,\*  
Chuanlai Xu and Hua Kuang



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### Self-service aptamer-free molecularly imprinted paper-based sensor for high-sensitivity visual detection of influenza H5N1

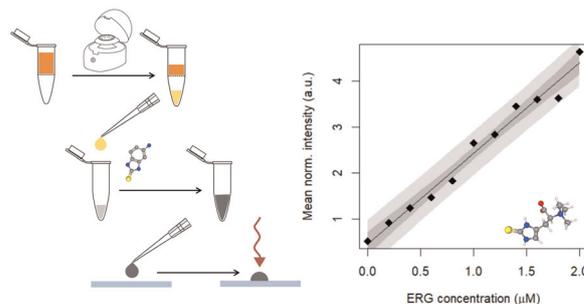
Hang Gong,\* Luru Xu, Yong Li,\* Tao Pang,  
Chunyan Chen, Feng Chen and Changqun Cai\*



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Marina Wright Muelas, Ivayla Roberts, Valter Sergo,  
Royston Goodacre and Alois Bonifacio



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### Phage-ELISA for ultrasensitive detection of *Salmonella enteritidis*

Mangmang Shen, Chang Ni, Jiasheng Yuan and  
Xin Zhou\*

