# **Analytical Methods**

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#### Cover

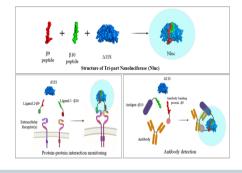
See Flávia Ferreira de Carvalho Marques et al., pp. 3932-3939. Image reproduced by permission of Hygor M. R. de Souza, Fernanda B. Scalco, Rafael Garrett and Flávia F. de C. Marques, from Anal. Methods, 2023, 15, 3932.

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Hygor M. R. de Souza, Fernanda B. Scalco, Rafael Garrett and Flávia F. de C. Marques\*



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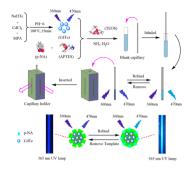


# **PAPERS**

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Sensitive and selective detection of p-nitroaniline with the assistance of a fluorescence capillary imprinted sensor

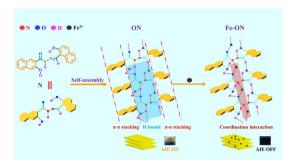
Huiwen Xiao and Zhaohui Zhang\*



### 3948

Acylhydrazone functionalized naphthalene-based self-assembled supramolecular gels for efficient fluorescence detection of Fe3+

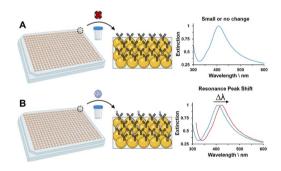
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### 3955

# Detection of SARS-CoV-2 in saliva by a low-cost LSPR-based sensor

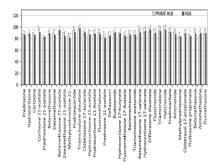
Ariadne Tuckmantel Bido, Katherine J. I. Ember, Dominique Trudel, Madeleine Durand, Frederic Leblond and Alexandre G. Brolo\*



### 3967

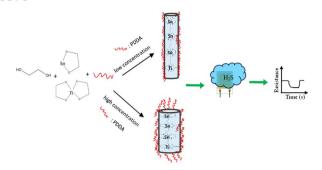
# Quantification of 37 glucocorticoids in chicken muscle by UHPLC-Q-Orbitrap-MS with parallel reaction monitoring

Xiao-Dong Pan, Jian-Long Han\* and Xiao-Min Xu\*



# **PAPERS**

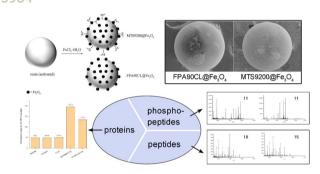
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# Fabrication of conifer-like TiSnO<sub>2</sub> nanorods for sensing H<sub>2</sub>S gas at room temperature

Pi-Guey Su\* and Yan-Han Chen

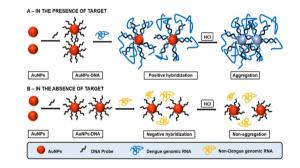
### 3984



# Magnetic resin composites for the enrichment of proteins, peptides and phosphopeptides

Yu Wang, Yini Pan, Zhichao Yan, Zhihua Zhong, Lingyi Zhang\* and Weibing Zhang\*

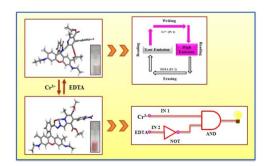
#### 3991



# A novel colorimetric biosensor for rapid detection of dengue virus upon acid-induced aggregation of colloidal gold

Vo Thi Cam Duyen, Vo Van Toi, Truong Van Hoi and Phuoc Long Truong\*

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# A rhodamine based fluorescent and colorimetric chemosensor for the detection of Cr3+ ions and its utility in a molecular logic gate

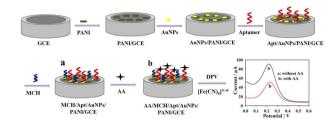
Swati Negi, Parveen Gahlyan, Rashim Bawa, Bholey Singh, Mamta Bhandari, Rita Kakkar, Balaram Pani and Rakesh Kumar\*

# **PAPERS**

### 4010

A novel electrochemical aptasensor based on polyaniline and gold nanoparticles for ultrasensitive and selective detection of ascorbic acid

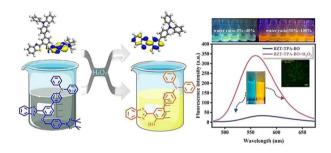
Cuiwen Jiang, Liping Xie, Feiyan Yan, Zhongdan Liang, Jing Liang, Kejing Huang, Huiling Li, Yanli Wang, Lihong Luo, Tao Li, Dejiao Ning, Li Tang and Yu Ya\*



### 4021

Multiple fluorescence and hydrogen peroxideresponsive properties of novel triphenylaminebenzothiazole derivatives

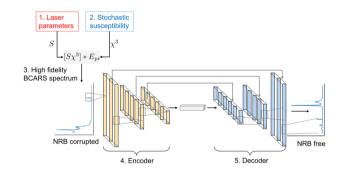
Jiyu Tang, Kaiming Zhang, Tong Ni, Bin Xu,\* Binjie Hou, Xiaoqiang Liu and Weidong Jiang\*



### 4032

Removing non-resonant background from broadband CARS using a physics-informed neural network

Ryan Muddiman, Kevin O' Dwyer, Charles. H. Camp, Jr and Bryan Hennelly\*



### TECHNICAL NOTE

#### 4044

Nitrogen carrier gas for the separation of trace explosives on CI-GC/MS

Ashley C. Fulton, Christopher J. Katilie and Braden C. Giordano\*

