

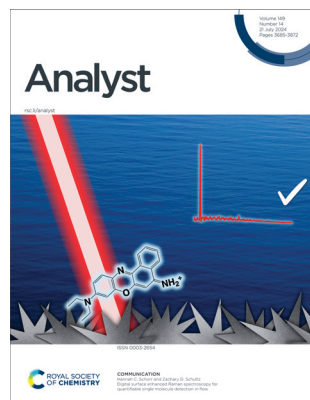
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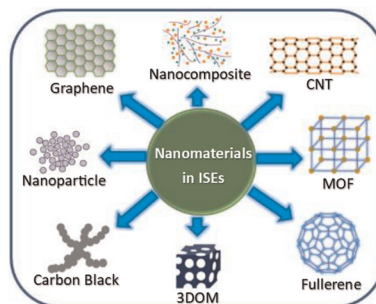
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CRITICAL REVIEW

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Recent advances in nanomaterial-based solid-contact ion-selective electrodes

Seyed Oveis Mirabootalebi and Yang Liu*

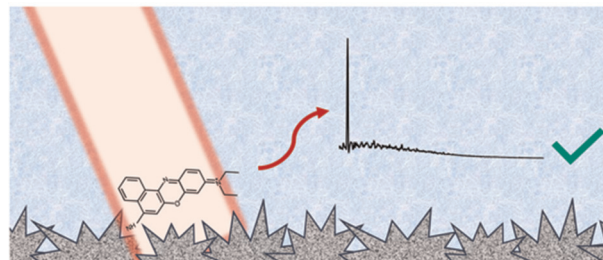


COMMUNICATIONS

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Digital surface enhanced Raman spectroscopy for quantifiable single molecule detection in flow

Hannah C. Schorr and Zachary D. Schultz*



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COMMUNICATIONS

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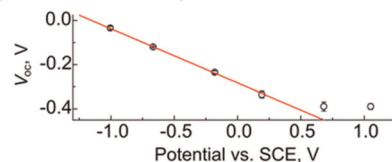
Characterizing and understanding the photovoltage in n-Si/Au light-addressable electrochemical sensors

Armeen Hussain, Kayla Mancini, Yousef Khatib and Glen D. O'Neil*

Electrodeposited n-Si/Au LAE sensors



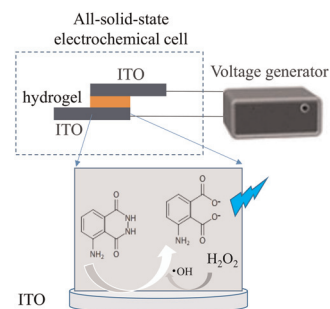
V_{oc} depends on solution potential for n-Si/Au LAE sensors



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Visual electrochemiluminescence from an all-solid-state electrochemical cell

Wenlong Wang, Haiyu Fang, Yufei Deng, Dechen Jiang and Danjun Fang*

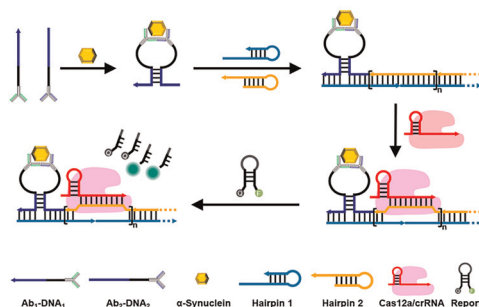


PAPERS

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A binding-triggered hybridization chain reaction cascade multi-site activated CRISPR/Cas12a signal amplification strategy for sensitive detection of α -synuclein

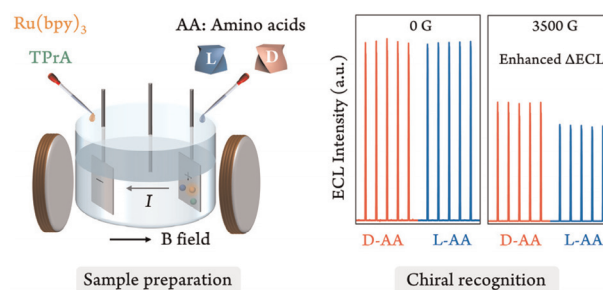
Zhenzhuo Wan, Jiahao Lu, Lu Lu, Weichong Zhao* and Wei Jiang*



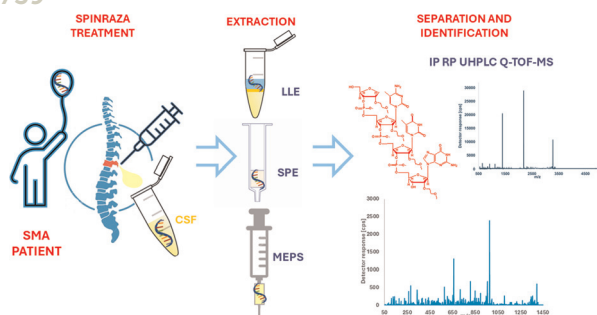
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Magneto-electrochemical method for chiral recognition of amino acid enantiomers

Yueqian Jia, Wubin Wu, Rui Chen, Hong Wang, Chuang Zhang, Lili Chen* and Jiannian Yao*



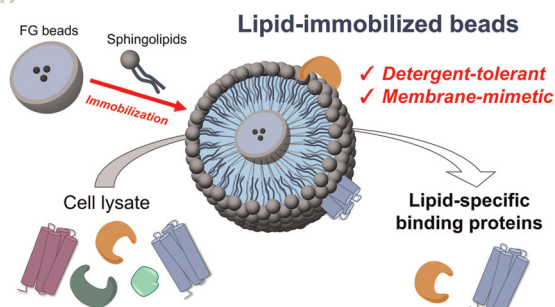
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Study of nusinersen metabolites in the cerebrospinal fluid of children with spinal muscular atrophy using ultra-high-performance liquid chromatography coupled with quadrupole-time-of-flight mass spectrometry

Sylwia Studzińska,* Oliwia Błachowicz, Szymon Bocian, Oktawia Kalisz, Aleksandra Jaworska, Jakub Szymarek and Maria Mazurkiewicz-Betdzińska

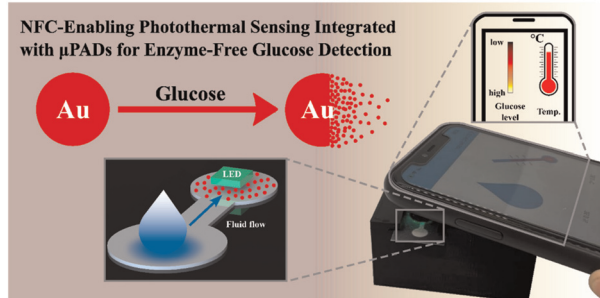
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Identification of lipid-specific proteins with high-density lipid-immobilized beads

Masayuki Morito, Hiroki Yasuda, Takaaki Matsufuji, Masanao Kinoshita and Nobuaki Matsumori*

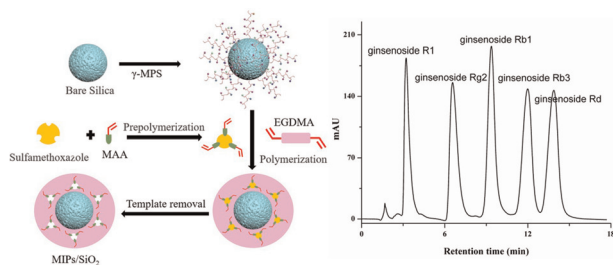
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NFC-enabled photothermal-based microfluidic paper analytical device for glucose detection

Kawin Khachornsakkul,* Ruben Del-Rio-Ruiz, Cihan Asci and Sameer Sonkusale*

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Molecularly imprinted polymer-coated silica microbeads for high-performance liquid chromatography

Wenpu Wu, Cuichi Yu, Lei Sui, Hui Xu,* Jinhua Li, Na Zhou, Lingxin Chen* and Zihua Song*

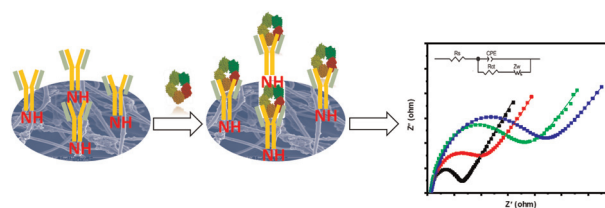


PAPERS

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Ultrasensitive electrochemical immunosensor for the detection of C-reactive protein antigen

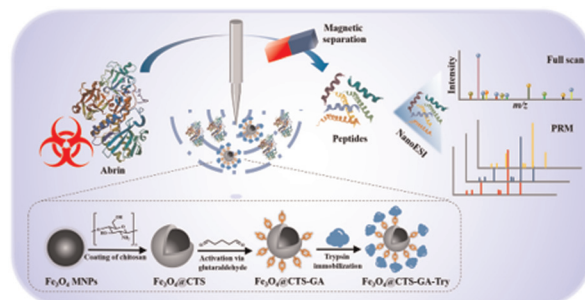
Okoroike C. Ozoemena, Emmanuel Boateng and Aicheng Chen*



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Ultrafast protein digestion using an immobilized enzyme reactor following high-resolution mass spectrometry analysis for rapid identification of abrin toxin

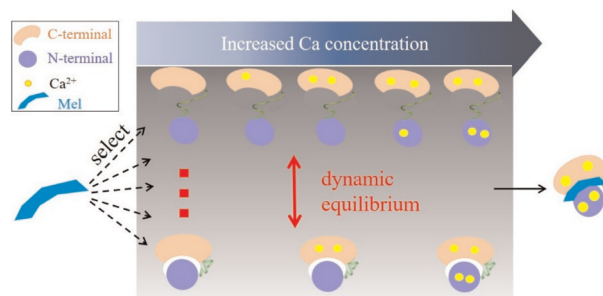
Meng Chen, Baoqiang Li, Wenlu Wei, Zhongyao Zhang, Lin Zhang, Cuiping Li* and Qibin Huang*



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Mobility capillary electrophoresis–native mass spectrometry reveals the dynamic conformational equilibrium of calmodulin and its complexes

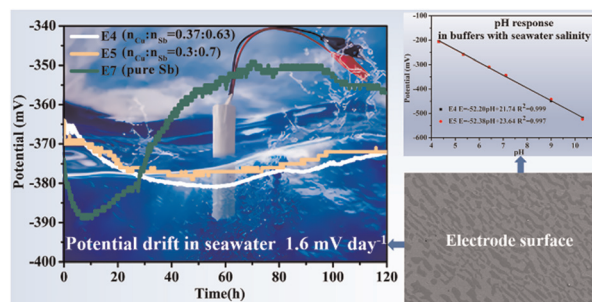
Yi Zhao, Wenjing Zhang, Jie Hong, Lei Yang, Yuanyuan Wang, Feng Qu* and Wei Xu*



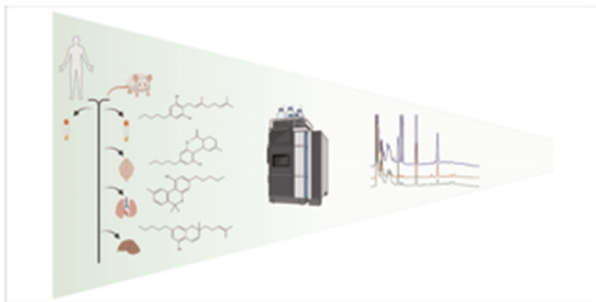
3803

Preparation and application of a Cu-doped antimony electrode to improve the performance of pH measurement in seawater

Zhen Li, Li Zong,* Tao Xu, Caiyun Zhang and Chao Liu*



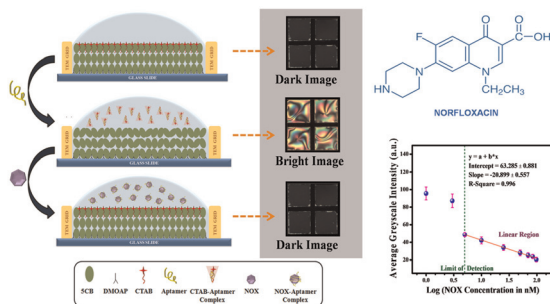
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Development and validation of an HPLC-DAD method for the quantification of cannabigerol, cannabidiol, cannabinol and cannabichromene in human plasma and mouse matrices

Andreia Carona, Joana Bicker, Carla Fonseca, Maria da Graça Campos, Amílcar Falcão and Ana Fortuna*

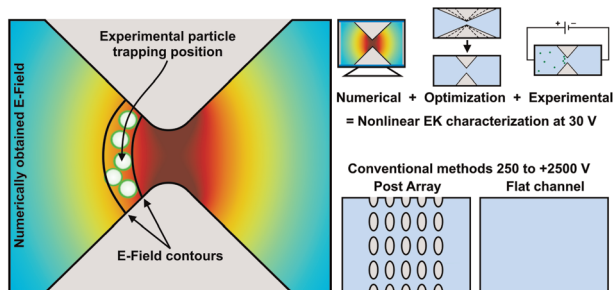
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Label-free liquid crystal-based optical detection of norfloxacin using an aptamer recognition probe in soil and lake water

Sayani Das, Soma Sil, Santanu Kumar Pal, Przemysław Kula and Susanta Sinha Roy*

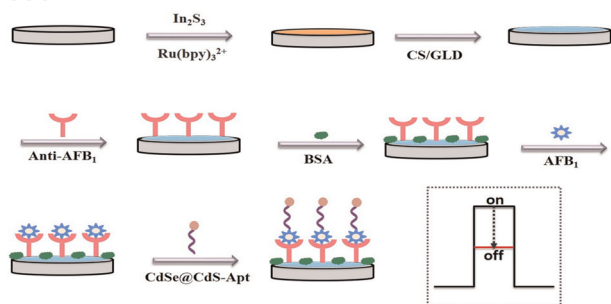
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Enabling the characterization of the nonlinear electrokinetic properties of particles using low voltage

J. Martin de los Santos-Ramirez, Carlos A. Mendiola-Escobedo, Jose M. Cotera-Sarabia, Roberto C. Gallo-Villanueva, Rodrigo Martinez-Duarte* and Victor H. Perez-Gonzalez*

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A sandwich-type photoelectrochemical biosensor based on $\text{Ru}(\text{bpy})_3^{2+}$ sensitized In_2S_3 for aflatoxin B_1 detection

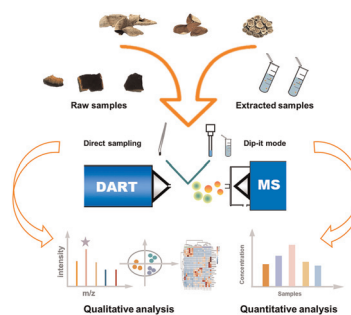
Si-Zhe Chen, Jing-Shuai Chen, Xing-Pei Liu,* Chang-Jie Mao* and Bao-Kang Jin



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Rapid analysis of bioactive compounds from citrus samples by direct analysis in real-time mass spectrometry combined with chemometrics

Xingyu Wang, Yilin Chen, Yanqiao Xie, Yamin Liu, Linhong Fan, Linnan Li,* Zhengtao Wang and Li Yang*



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Optical control of nanobody-mediated protein activity modulation with a photocleavable fluorescent protein

Mizuki Endo, Saki Tomizawa, Qiaoyue Kuang and Takeaki Ozawa*

