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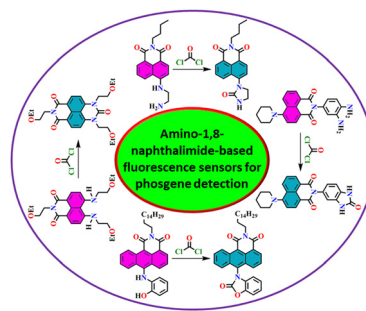


TUTORIAL REVIEW

783

Reactivity-based amino-1,8-naphthalimide fluorescent chemosensors for the detection and monitoring of phosgene

Mannanthara Kunhumon Noushija,
Alenthwar Vamshi Krishna, Thorfinnur Gunnlaugsson*
and Sankarasekaran Shanmugaraju*

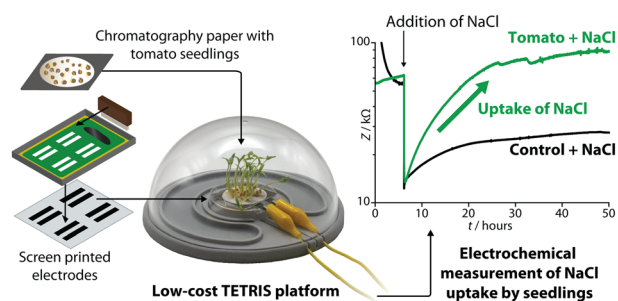


COMMUNICATIONS

799

Plant-on-a-chip: continuous, soilless electrochemical monitoring of salt uptake and tolerance among different genotypes of tomato

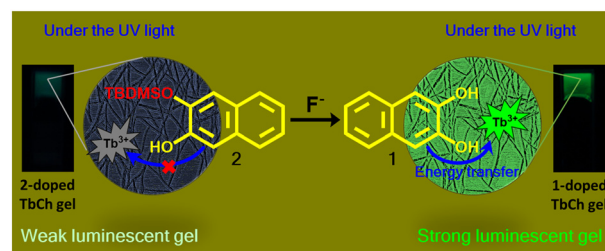
Philip Coatsworth,* Yasin Cotur, Tarek Asfour,
Zihao Zhou, José M. R. Flauzino, Tolga Bozkurt
and Firat Güder*



809

A sensitive paper-based sensor for fluoride detection in water using Tb³⁺ photoluminescence

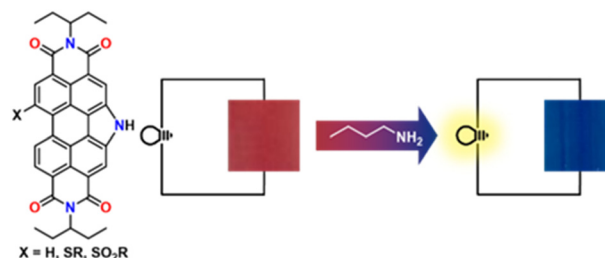
Pankaj Kumar Chaturvedi and Uday Maitra*



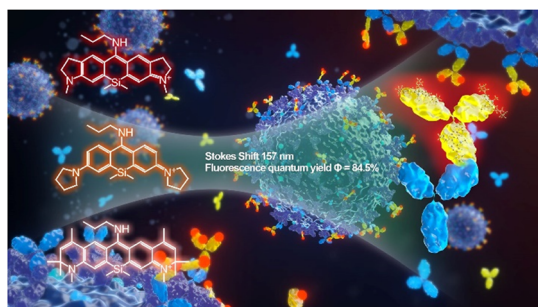
817

Flexible dual-action colorimetric-electronic amine sensors based on *N*-annulated perylene diimide dyes

Michael J. Grant, Anderson Hoff, Loren G. Kaake
and Gregory C. Welch*



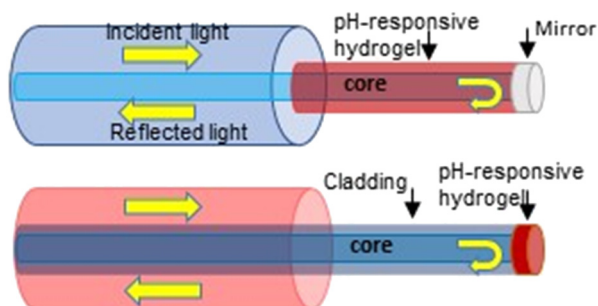
822



Si-rhodamine derivative with a large Stokes shift for ELISA-based detection of SARS-CoV-2

Yan-Hong Liu, Hong Zhang, Kang-Kang Yu, Xiao-Fang Pei, Jia-Nan Xu, Shan-Yong Chen, Xiao-Qi Yu and Kun Li*

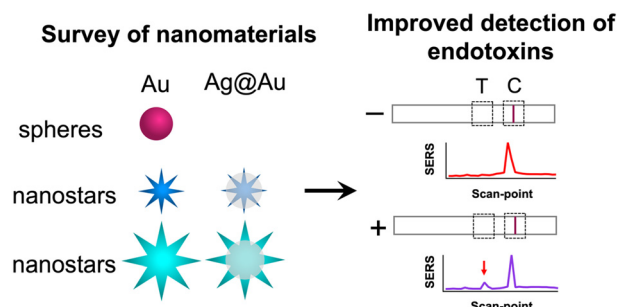
827



Fiber-optic probes for real-time pH monitoring

Mohamed Elsherif,* Fahad Alam, Ahmed E. Salih, Xinyu Wang, Peter R. Corridon, Khalil B. Ramadi and Haider Butt*

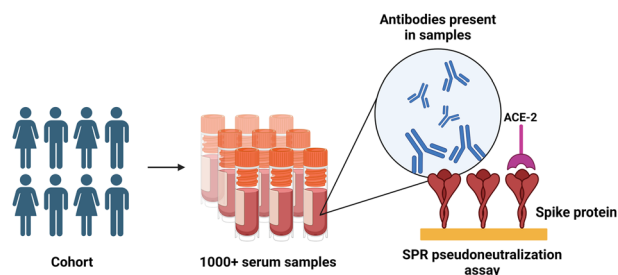
839



Improved point-of-care detection of *P. gingivalis* using optimized surface-enhanced Raman scattering in lateral flow assays

Lyndsay N. Kissell, Daewoo Han, Der Vang, Alexander W. R. Cikanek, Andrew J. Steckl* and Pietro Strobbia*

850



Large-scale validation of a plasmonic sensor for SARS-CoV-2 pseudo-neutralization with a cohort of food and retail workers

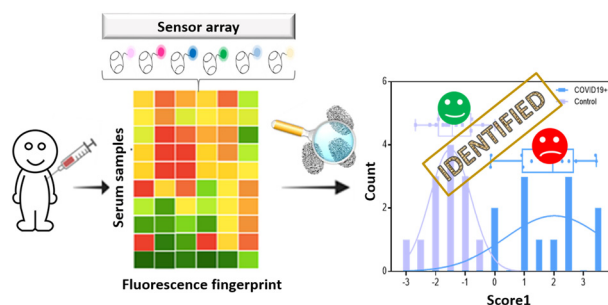
Julien Coutu, Pierre Ricard, Abdelhadi Djaïleb, Étienne Lavallée, Henintsoa Rabazanahary, Matthew Stuiblé, Yves Durocher, Caroline Gilbert, Nicholas Brousseau, Kim Santerre, Mathieu Thériault, Sylvie Trottier, Denis Boudreau, Marc-André Langlois, Joelle N. Pelletier, Mariana Baz and Jean-Francois Masson*



863

A methodological study for the diagnosis of the SARS-Cov-2 infection in human serum with a macrocyclic sensor array

Monica Swetha Bosco, Zeki Topçu, Soumen Pradhan, Ariadne Sossah, Vassilis Tsatsaris, Christelle Vauloup-Fellous, Sarit S. Agasti, Yves Rozenholc and Nathalie Gagey-Eilstein*



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Detection of TNP and sulfite ions in an aqueous medium using a pyrazinium-based chemosensor

Pragya, Krishnan Rangan and Bharti Khungar*

