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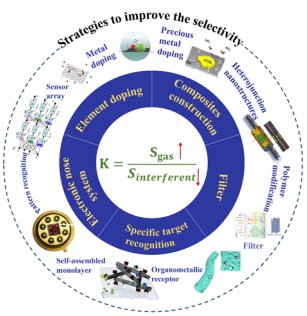
Jing Li, Hongchao Zhao, Yanjie Wang and Yong Zhou*



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Diagnosis of infectious diseases: complexity to convenience

Sahil Syed, Alisha Rahaman, Abhijit Mondal, Shraddha Shaligram* and Shrikant P. Pawar*

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TUTORIAL REVIEWS

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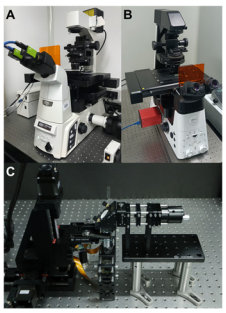
Dual-view transport of intensity phase imaging devices for quantitative phase microscopy applications

Shouyu Wang,* Huachuan Huang, Aihui Sun, Lin Zhu, Wei Guo, Keding Yan and Liang Xue



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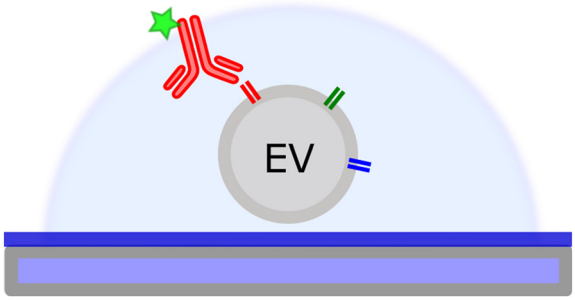
Greta Bergamaschi,* Roberto Frigerio, Angelo Musicò, Giulia Lodigiani, Paola Gagni, Riccardo Vago, Marina Cretich* and Alessandro Gori*



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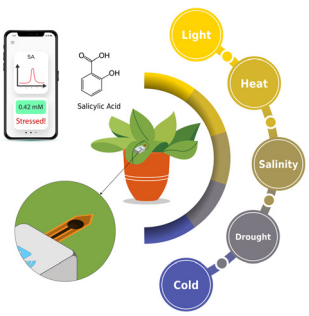
Sina Khazaee Nejad, Haozheng Ma, Abdulrahman Al-Shami, Ali Soleimani, Mona A Mohamed, Preston Dankwah, Hannah J. Lee and Maral P. S. Mousavi*



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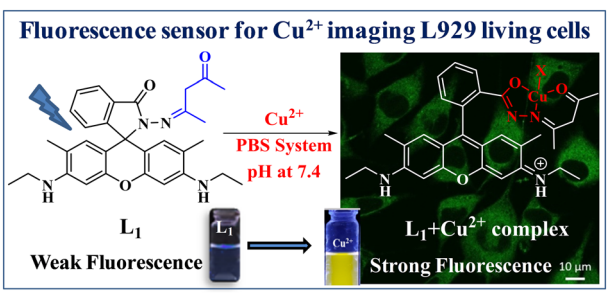
Synthesis and characterization of a rhodamine derivative as a selective switch-on fluorescent sensor for Cu^{2+} ions in aqueous PBS buffer and living cells

Maheshkumar Prajapati, Nidhi Pandey, Sarita Kalla, Sateesh Bandaru* and Areti Sivaiah*



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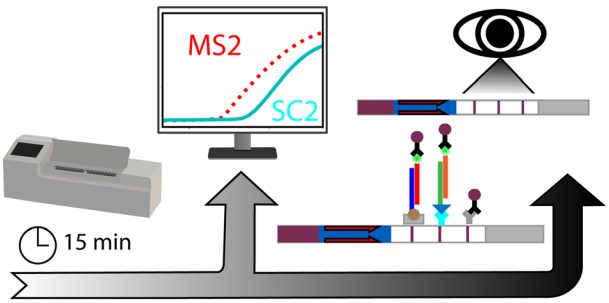

SARS-CoV-2 recombinase polymerase amplification assay with lateral flow readout and duplexed full process internal control

Coleman D. Martin, Andrew T. Bender, Benjamin P. Sullivan, Lorraine Lillis, David S. Boyle and Jonathan D. Posner*

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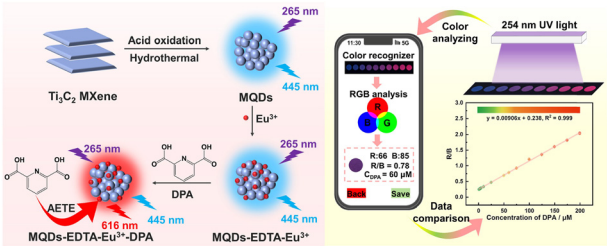

MXene quantum dots for ratiometric fluorescence detection of a *Bacillus anthracis* biomarker

Chunxiao Lin, Chubei Qiu, Yanan Wang, Yaowen Liu, Mingcong Rong* and Li Niu

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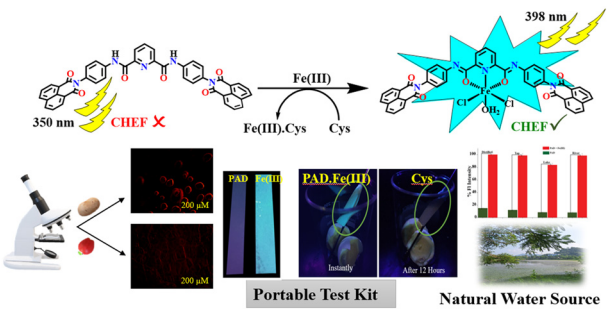

Self-assembled emissive probe for efficient sensing of Fe(III) and cysteine in a physiological medium: application in real water and food samples

Sulekha Kumari Pandit, Sanjana Das and Gopal Das*

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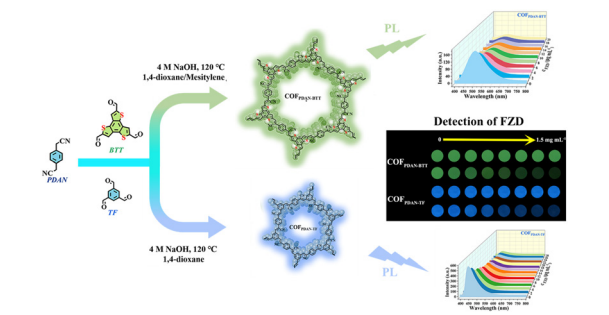

A fluorescent sp^{2}c-covalent organic polymer with an aggregation-induced emission unit to suppress aggregation-induced quenching for sensing furazolidone

Xinyi Wang, Lijuan Kuang, Meiling Ye, Liangmei Zou, Li Wang* and Yonghai Song*

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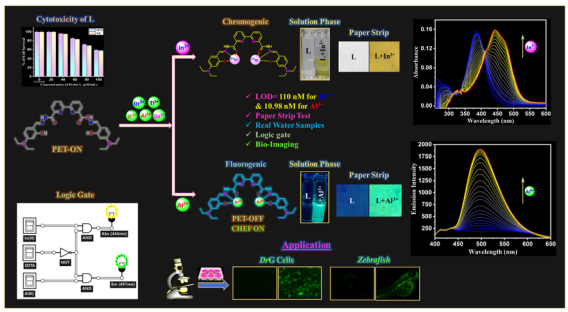
A dual responsive novel bipyridyl carbohydrazide Schiff base as a colorimetric-fluorescent probe for In^{3+} and Al^{3+} ions and its potential applications

Mujthaba Aatif A., Selva Kumar R., Leyana K. Shaji, Pravin Kumar Selvam, R. Bhaskar, S. Abdul Majeed, A. S. Sahul Hameed and S. K. Ashok Kumar*



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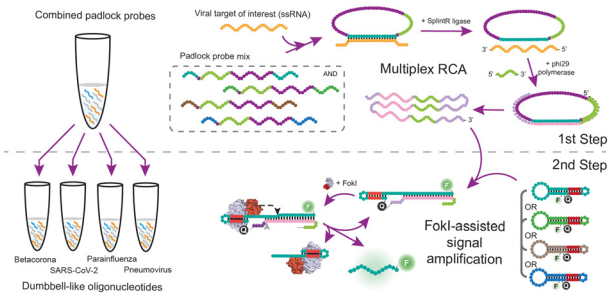
A FokI-driven signal amplification platform for the simultaneous detection of multiple viral RNA pathogens

Juan R. Tejedor,* Annalisa Roberti, Cristina Mangas, Marta E. Álvarez-Argüelles, Susana Rojo-Alba, José A. Boga, Agustín F. Fernández, Santiago Melón, Mercedes Rodríguez and Mario F. Fraga*



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