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Sensors & Diagnostics

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Cover
See Jaime Castillo-León, Jae Shin *et al.*, pp. 579–585.
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CRITICAL REVIEW

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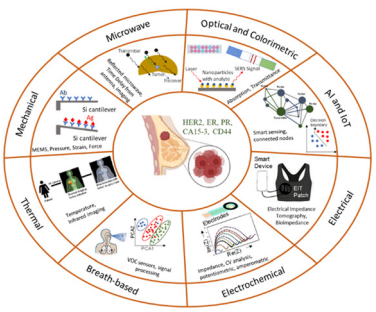
A review on breast cancer diagnostic techniques

Parikshana Mathur, Saakshi Dhanekar* and B. D. Malhotra



COMMUNICATION

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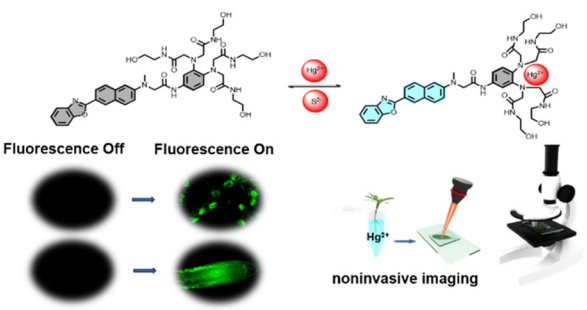
A novel two-photon fluorescent probe for non-destructive imaging of Hg^{2+} in fresh plant tissues

Xiao Liu, Zheng Zhu, Ruitao Sun, Jun Li* and Shengzhen Xu*



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PAPERS

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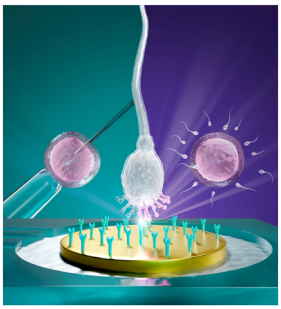
JUNO-*Checked* – a live cell electrochemical biosensor for sperm function diagnostics

Kushagr Punyani, Ingela Liljeqvist Soltic, Maria Liljander, Panchami Pradeepkumar, Carolin Psota, Frida Lundbland, Tore Duvold, Donogh FitzGerald, Jaime Castillo-León* and Jae Shin*



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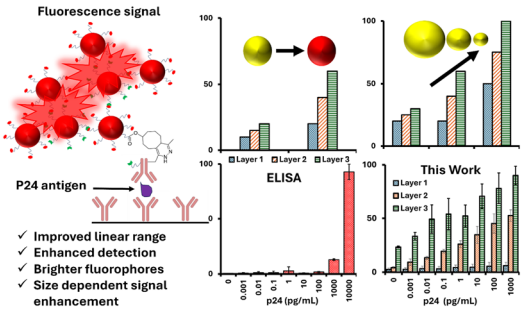
Comprehensive studies to improve ultrasensitive detection of HIV-1 p24 antigen

Evan Reboli, Ajoke Williams, Ankan Biswas, Tianwei Jia, Ying Luo, Mukesh Kumar and Suri Iyer*



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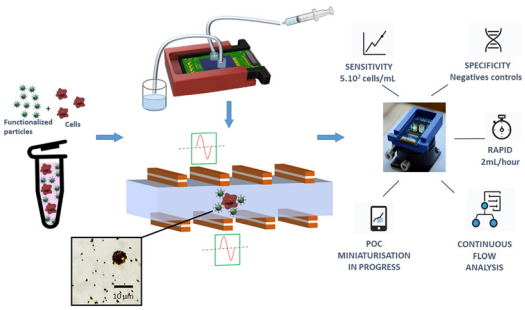
Innovative and sensitive detection of a cancer cell line using a GMR sensor-based biochip prototype for diagnosis purposes

A. Trillat,* M. Deroo, M. Giraud, E. Fabre Paul, A. Solignac, P. Bonville, F. Coneggo, A. Afroun, M. Thévenin, A. Wijkhuisen, C. Fermon, S. Simon, A. Duret, G. Cannies, V. Padilla, F. Doucet-Populaire, G. Jasmin-Lebras and C. Féraudet-Tarisse



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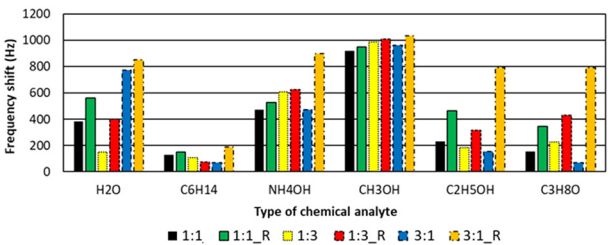
Highly-sensitive detection of methanol *via* metal–phenolic film-coated quartz crystal microbalances possessing distinct physicochemical surface profile

Karekin D. Esmeryan* and Yuliyan Lazarov



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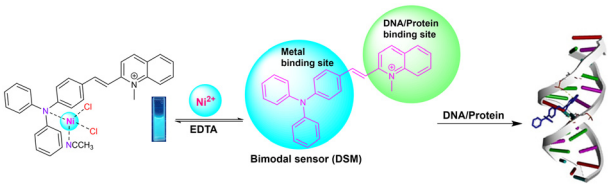

Bimodal sensor employing a novel approach for simultaneous selective detection of Ni^{2+} and biomolecules *via* turn-on fluorescence supported by DFT and molecular docking

Hazeena Shinziya, Avijit Kumar Das,* Malavika S Kumar, Anish Nag and Malay Dolai

CORRECTIONS

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Correction: 3D-printed electrochemical cells for multi-point aptamer-based drug measurements

John Mack, Raygan Murray, Kenedi Lynch and Netzahualcóyotl Arroyo-Currás*

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Correction: Highly sensitive urine glucose detection with graphene field-effect transistors functionalized with electropolymerized nanofilms

Gonzalo E. Fenoy, Waldemar A. Marmisollé,* Wolfgang Knoll and Omar Azzaroni*

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