

Sensors & Diagnostics

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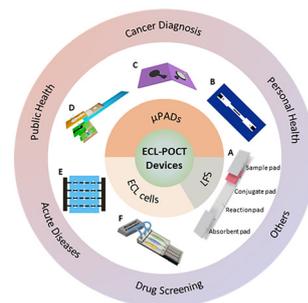
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Electrochemiluminescence devices for point-of-care testing

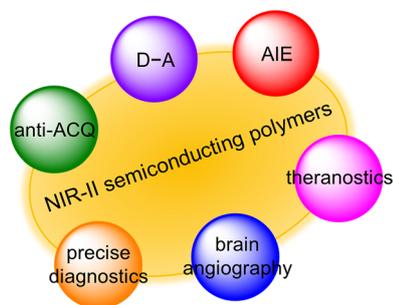
Xudong Ying, Lin Zhou, Wenxuan Fu, Yafeng Wang and Bin Su*



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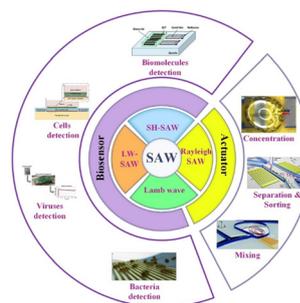


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Surface acoustic wave based microfluidic devices for biological applications

Xianglian Liu, Xuan Chen, Ziwei Yang, He Xia, Chuanyu Zhang and Xueyong Wei*

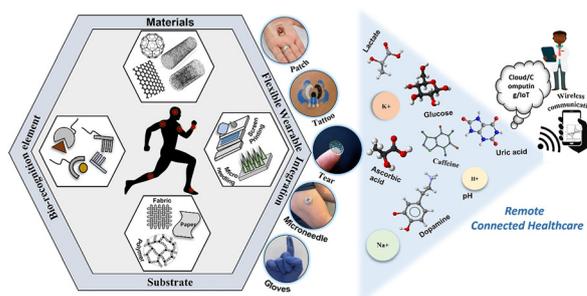


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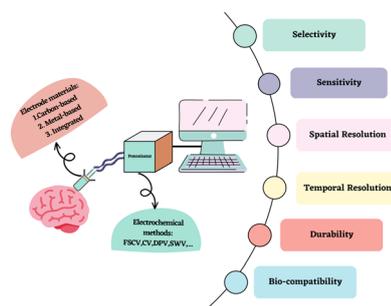
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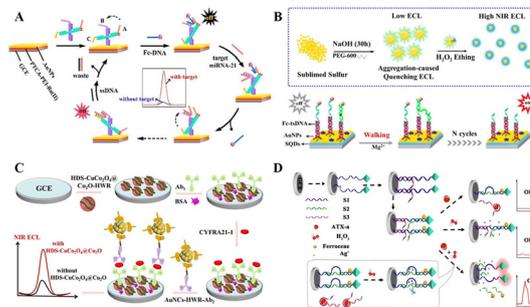
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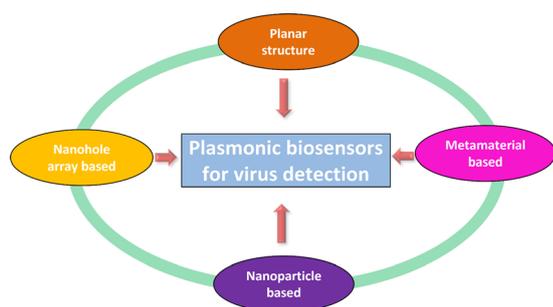
Recent advances in DNA-based electrogenerated chemiluminescence biosensors

Jingjing Zhang, Jingfeng Zhu and Jie Chao*



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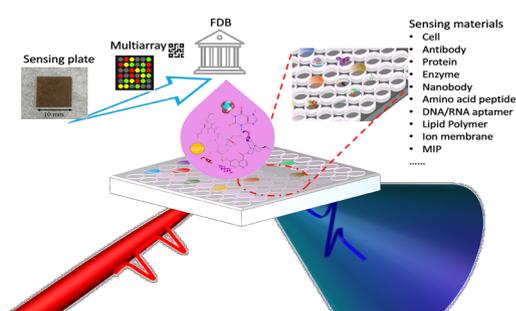


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Junfei Wang, Zhenyu Xu and Domna G. Kotsifaki*

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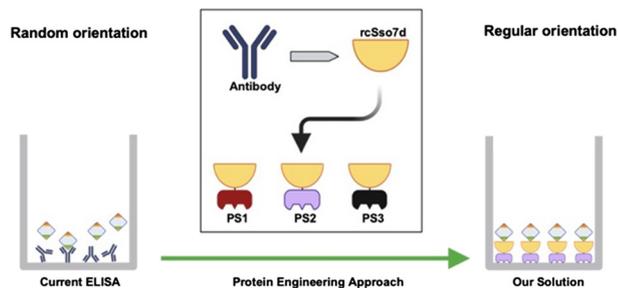


All-in-one terahertz taste sensor: integrated electronic and bioelectronic tongues

Jin Wang,* Kenji Sakai and Toshihiko Kiwa

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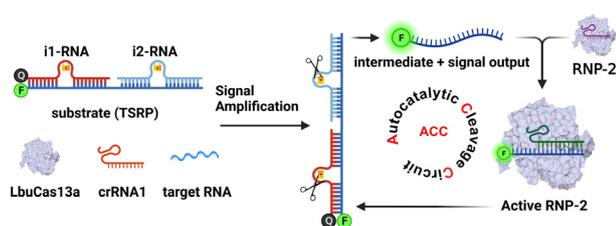


Engineering thermostable affinity proteins for use in high-throughput immunoassay formats

Huan Jia, Nazirulmubin Abdul Moomen, Jeanette Leong, Patthara Kongsuphol, Zhi Feng Sherman Lim, Carmen Sze Min Pui, Yuxuan Tan, Ki-Joo Sung and Hadley D. Sikes*

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Target-triggered CRISPR-Cas13a autocatalysis-driven amplification strategy for one-step detection of circadian clock gene

Zhiyuan Feng, Yi Xue, Yangfang Yun, Zheng Liu and Jingjing Zhang*

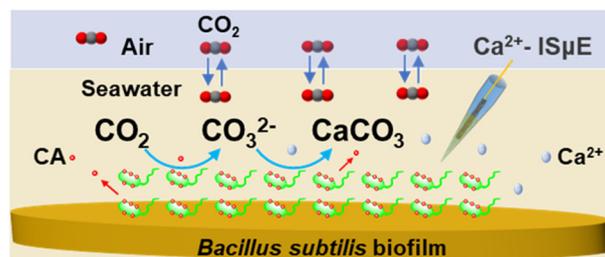


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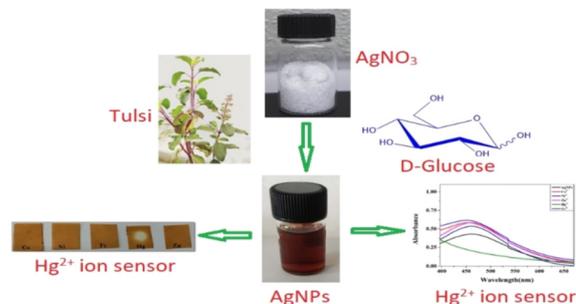
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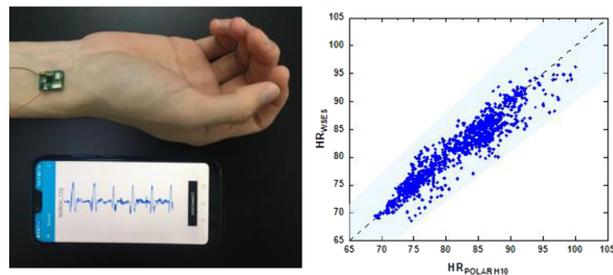
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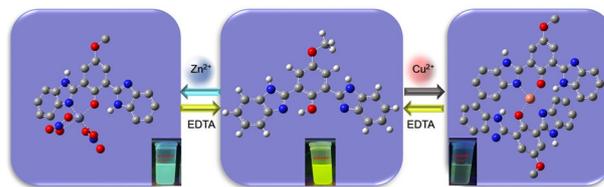
Jingyi Xu, Wenru Zeng, Chao Zhao,* Jiayi Tong and Hong Liu



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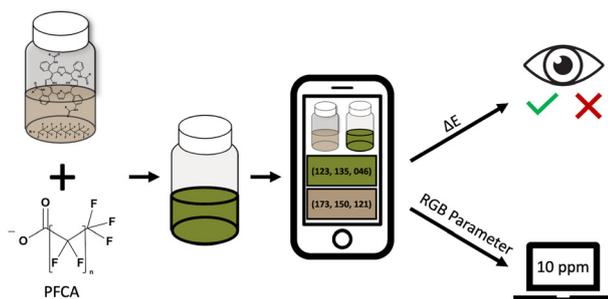
A benzimidazole-derived fluorescent chemosensor for Cu(II)-selective turn-off and Zn(II)-selective ratiometric turn-on detection in aqueous solutions

Wan-Yu Zhu, Kai Liu* and Xuan Zhang*



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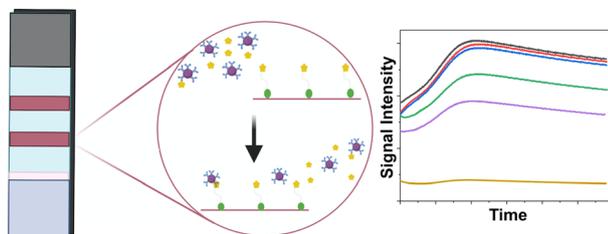
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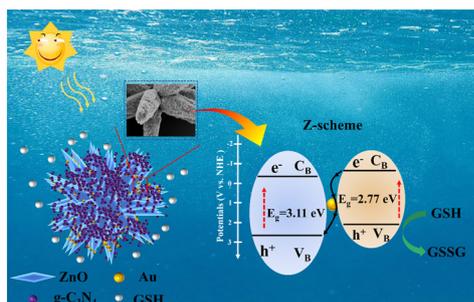
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Computational modelling of a competitive immunoassay in lateral flow diagnostic devices

Rohan Nalumachu, Anna Anandita and Dharitri Rath

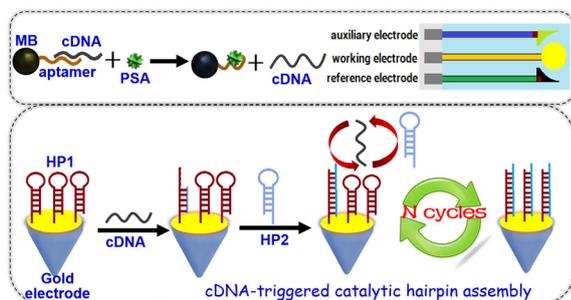
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Weixin Li, Xinyang Wang, Jiayi Huang, Min Zhao,* Jiao Yang, Fang Luo, Bin Qiu, Jian Wang* and Zhenyu Lin*

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A nucleic acid-based magnetic potentiometric aptasensing platform for indirect detection of prostate-specific antigen with catalytic hairpin assembly

Shuo Tian, Lingting Huang, Yuan Gao, Zhichao Yu and Dianping Tang*

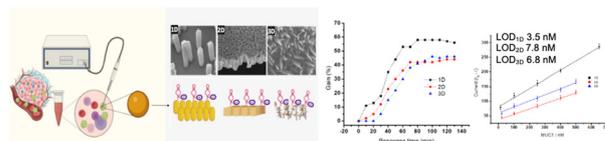


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Nano-dimensionality effect on electrochemical aptamer-based sensor performance for MUC1 liquid biopsy

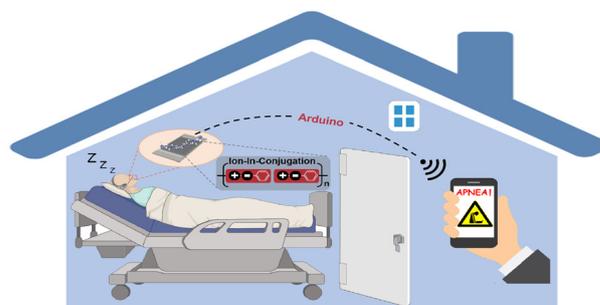
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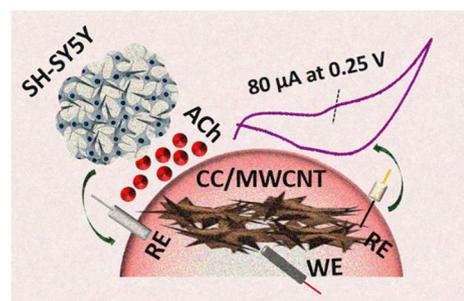
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Moving microcapillary antibiotic susceptibility testing (mCAST) towards the clinic: unravelling kinetics of detection of uropathogenic *E. coli*, mass-manufacturing and usability for detection of urinary tract infections in human urine

Sarah H. Needs,* Jeremy Pivetal, Jessica Hayward, Stephen P. Kidd, HoYin Lam, Tai Diep, Kiran Gill, Martin Woodward, Nuno M. Reis* and Alexander D. Edwards*

