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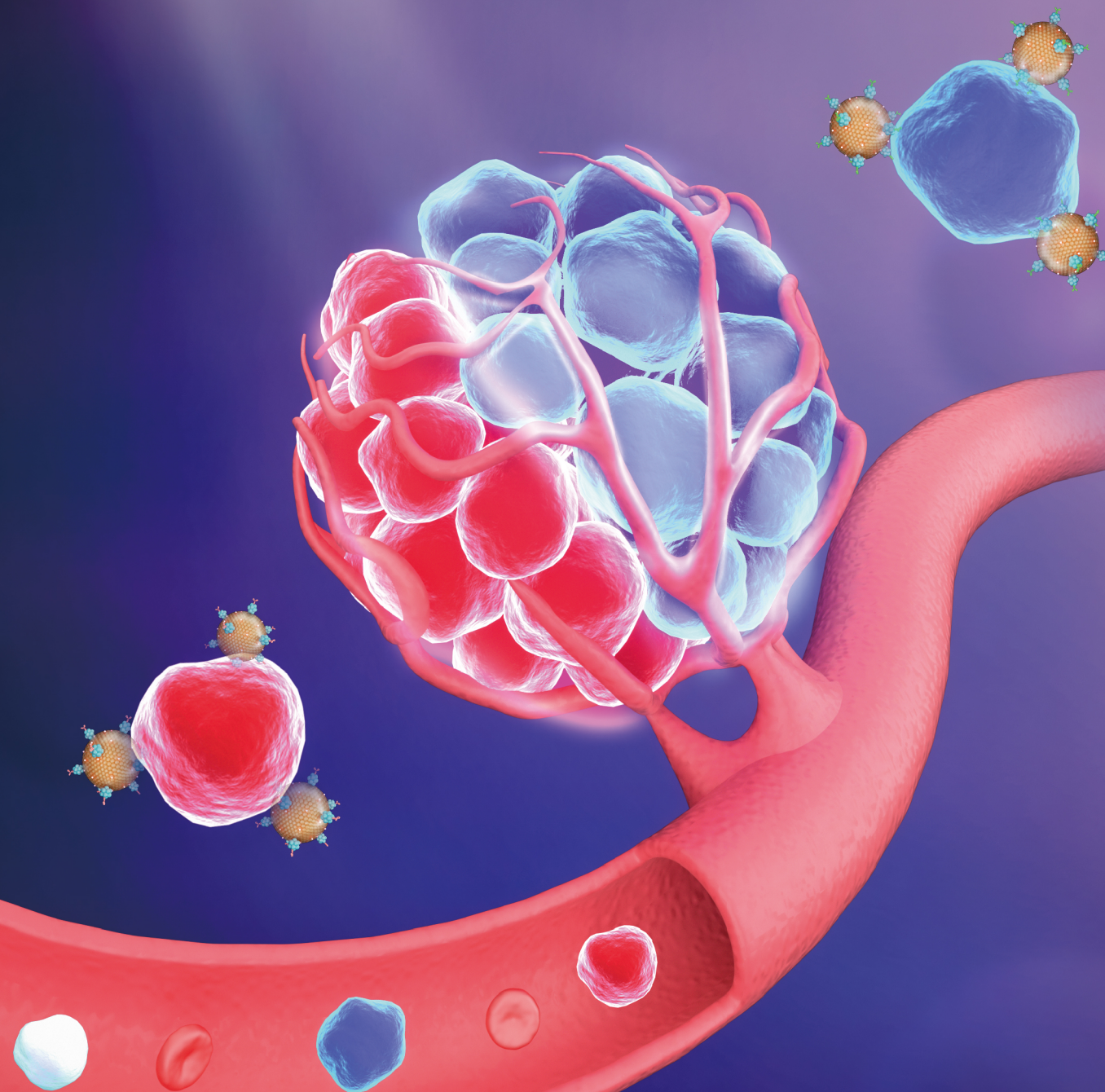
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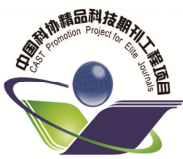
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分析化学

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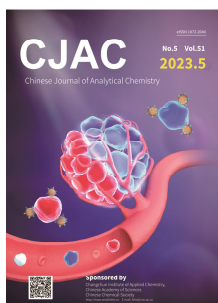
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* 通讯联系人
共同第一作者

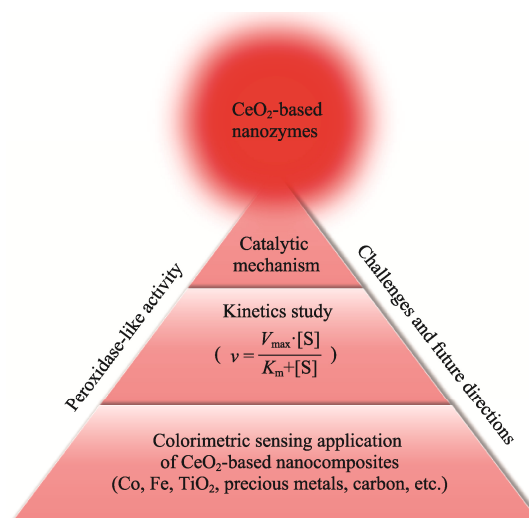


On pages 821-832, Ding et al. prepared magnetite nanoparticles (MNPs) with a core-shell structure to enable enrichment, purification and identification of different types of circulating tumor cells (CTCs). The capture efficiencies of the platform for epithelial and mesenchymal CTCs were 85.5% and 92.4%, respectively. After a short time of incubation at 37 °C, 88% of the captured cells were successfully released, with a cell viability of 94.9%. This platform provided a new strategy for CTC detection in clinical application.

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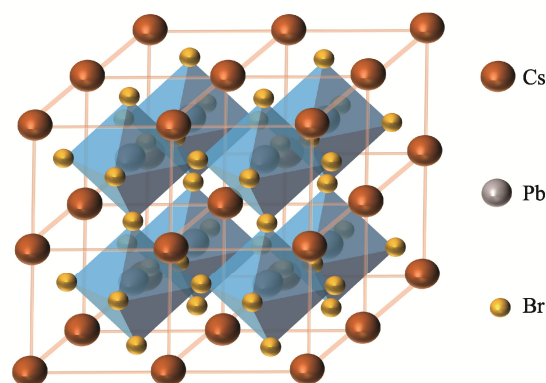
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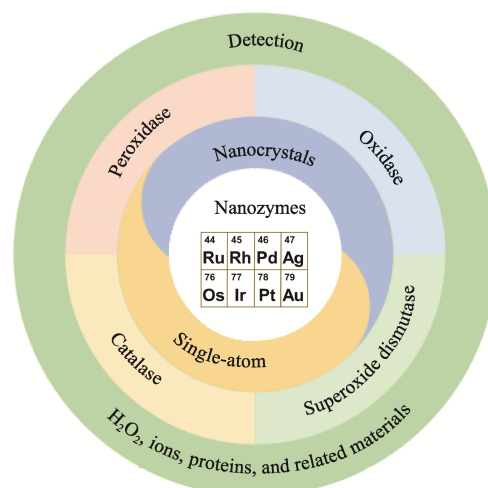
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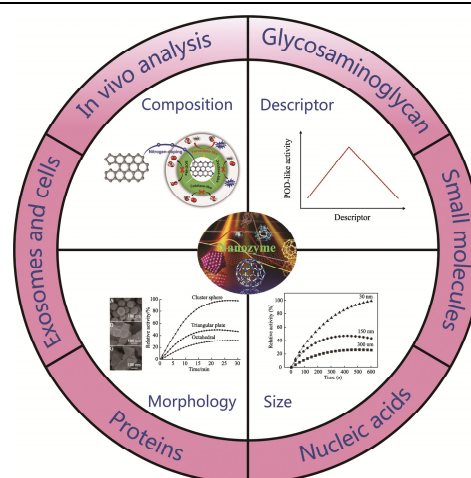
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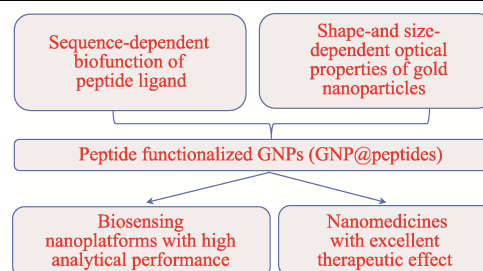
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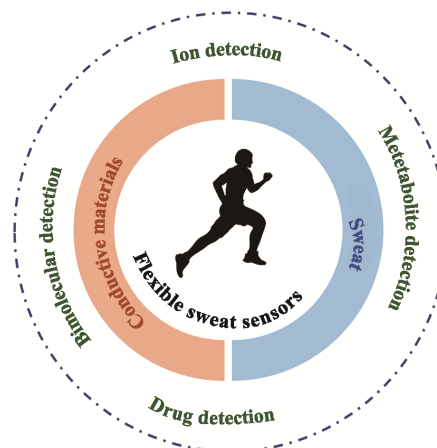
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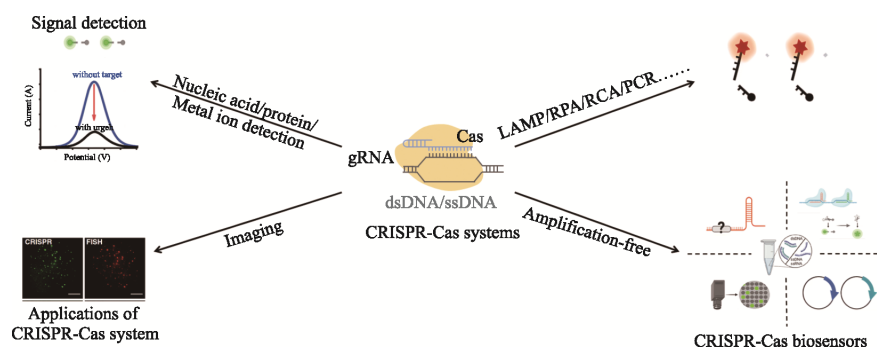
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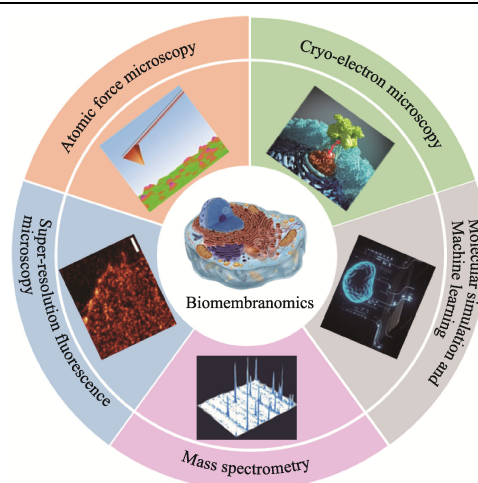
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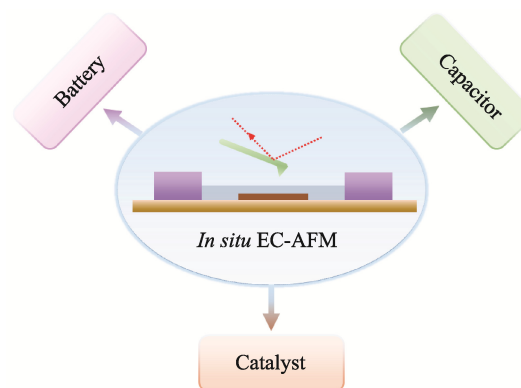
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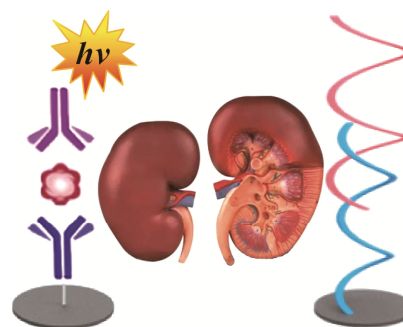
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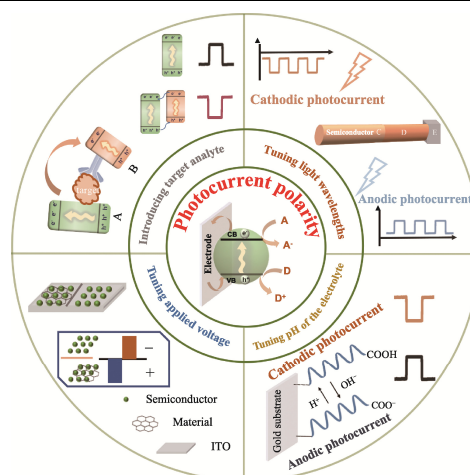
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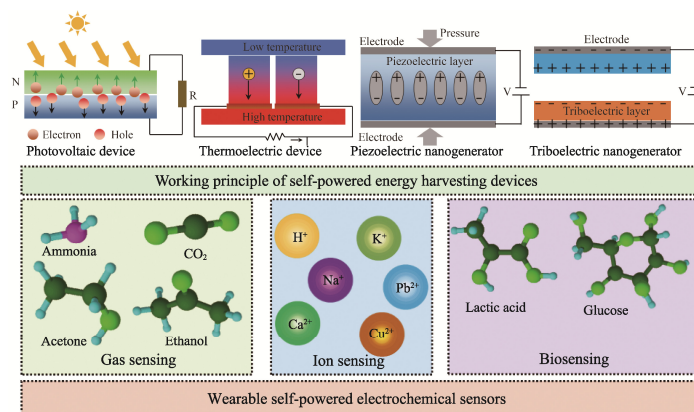
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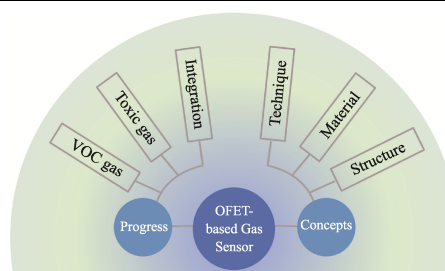
Research Progress of Wearable Self-Powered Electrochemical Sensors

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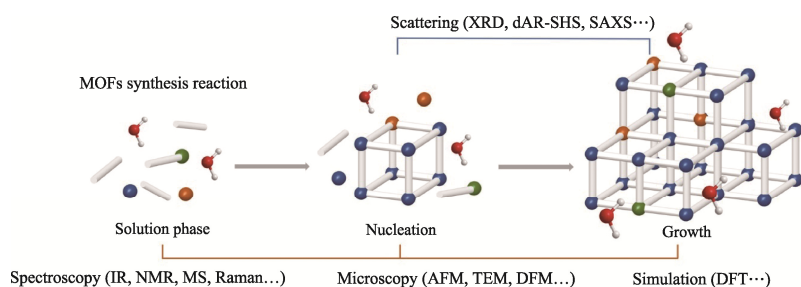
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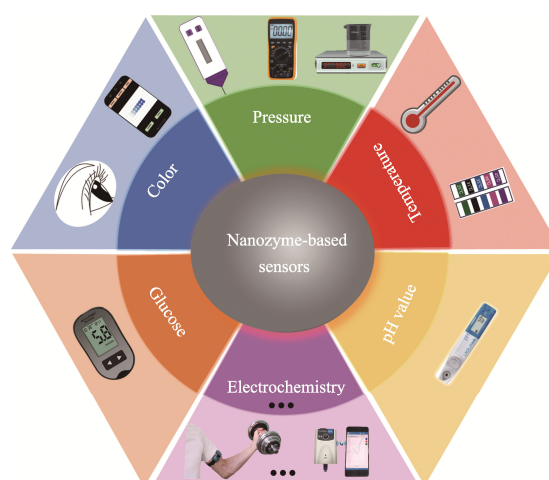
LI Zi-Hao, JIANG Xiu-E*
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ZHANG Yu, SONG Zhi-Min, DU Yan*

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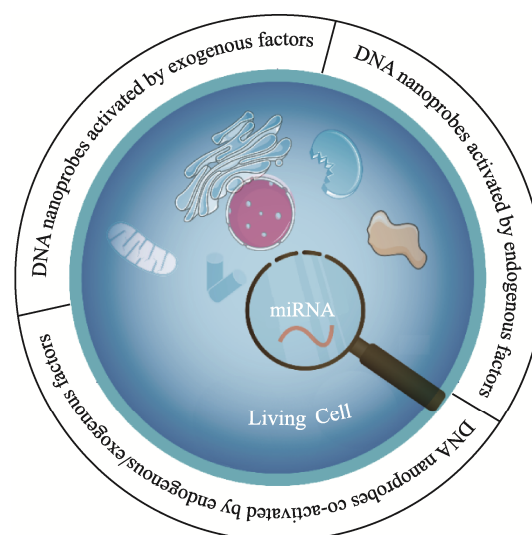
Activated DNA Nanoprobes for Biosensing and Precision Imaging of MicroRNA in Living Cells

LI Yu-Yan#, ZHANG Hong-Yan#, LIU Wen-Dong,

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Chinese J. Anal. Chem., 2023, 51(5): 811-820

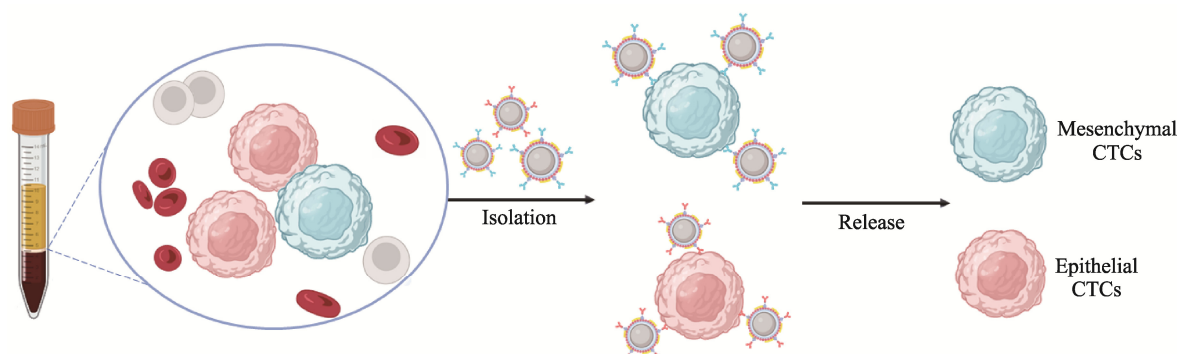


Scientific Papers

Effective Isolation, Label and Release of Multitype Circulating Tumor Cells Base on CdSe/ZnS Quantum Dots and Dual-antibody Modified Magnetic Nanoparticles

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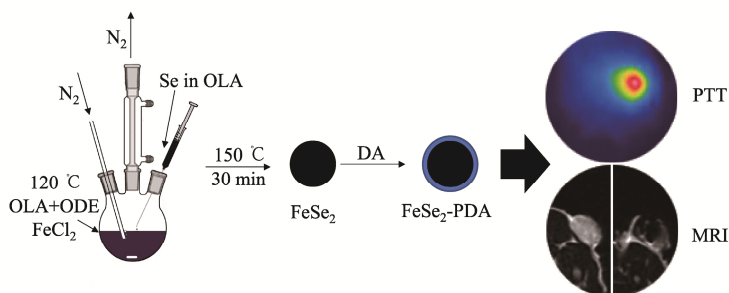
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Polydopamine-modified FeSe₂ Nanoparticles for Magnetic Resonance Imaging-guided Photothermal Therapy of Tumors

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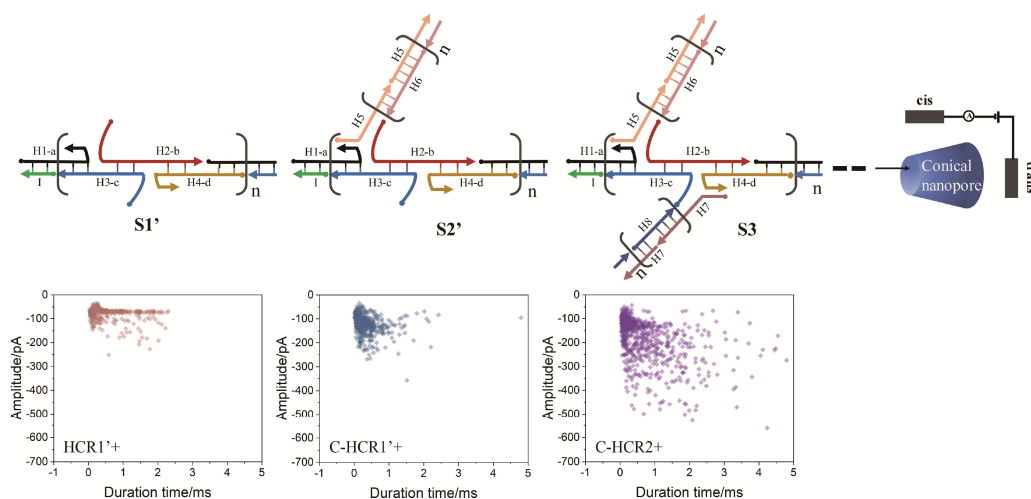
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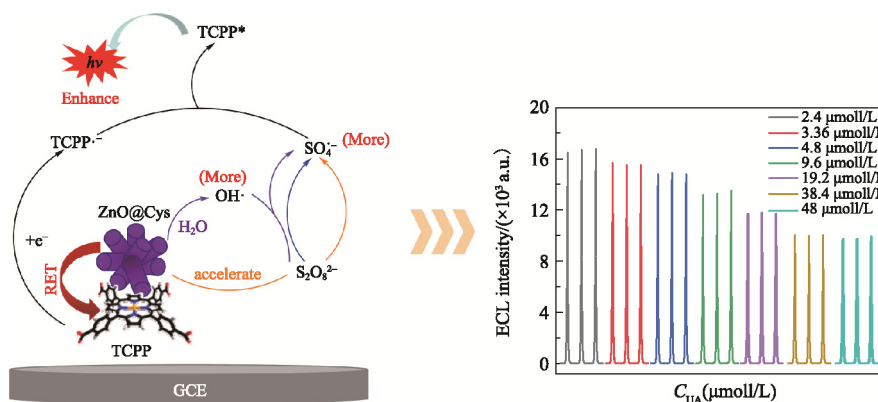
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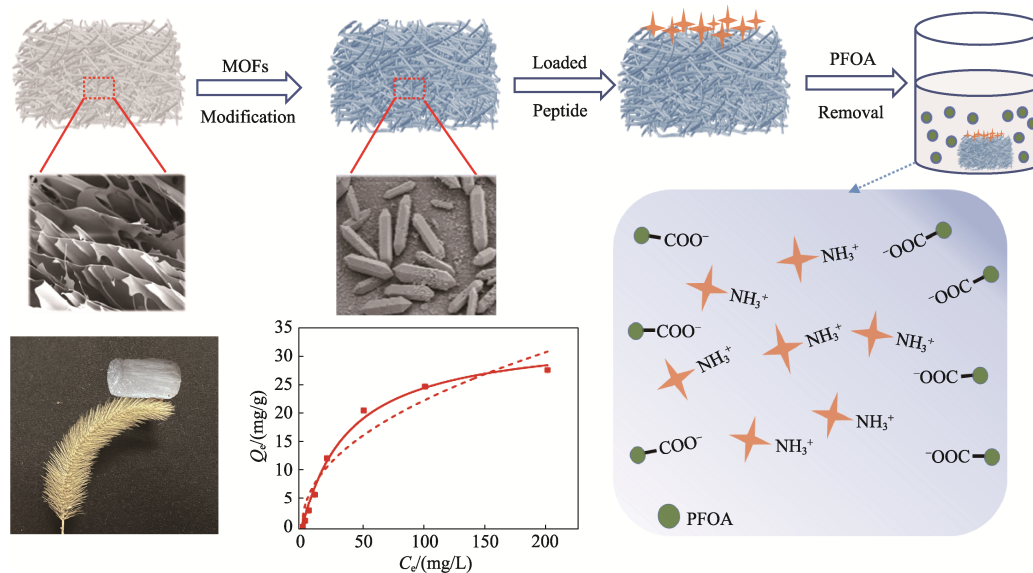
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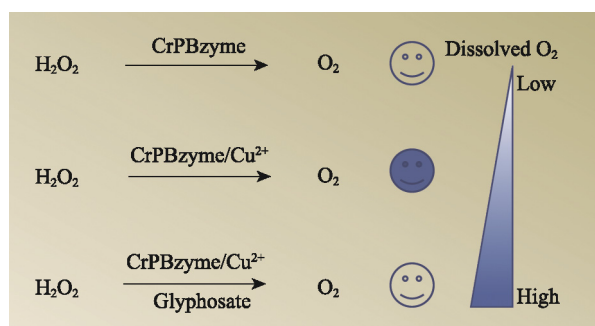
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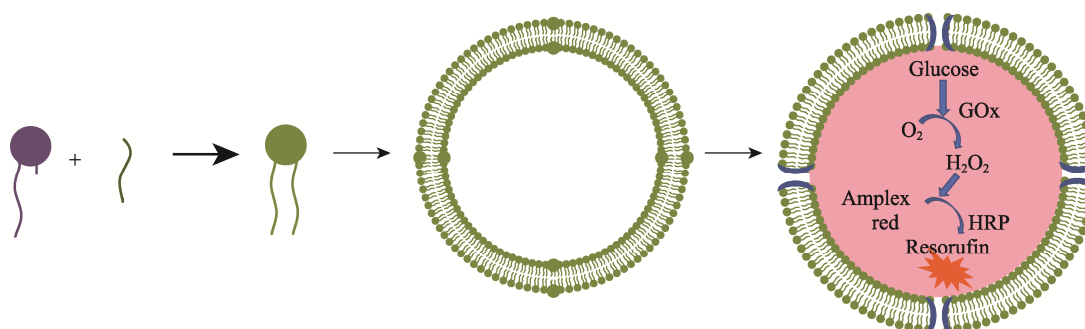
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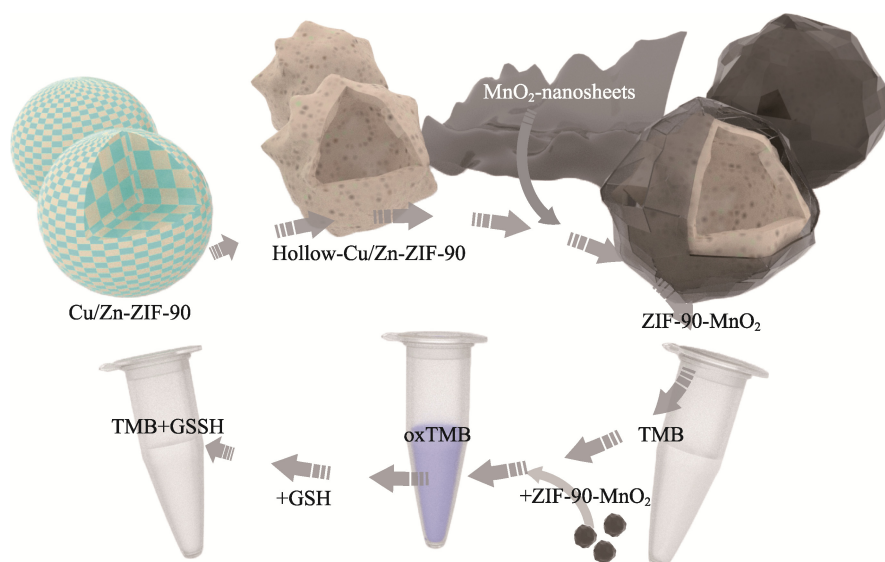
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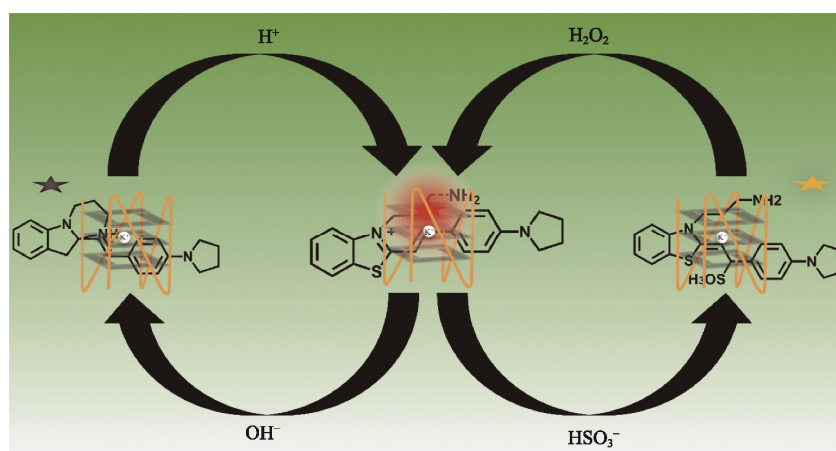
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DNA Logic Circuit based on pH-Sensitive DNA Quadruplex Fluorescent Ligand for H₂O₂ Detection

FANG Tai, WANG Qi-Wei, DU Yi, SHI Li-Li, LI Tao*

Chinese J. Anal. Chem., 2023, 51(5): 901-910



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The authors contributed equally to this work

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