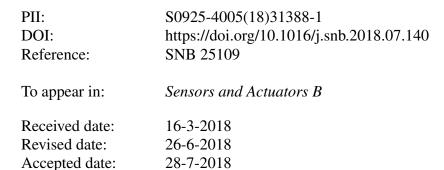
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Enhanced Photoelectrochemical Sensing for MUC1 Detection Based on TiO₂/CdS:Eu/CdS Cosensitized Structure

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Highlight

- A novel, enhanced photoelectrochemical aptasensing was constructed for MUC1 detection.
- CdS:Eu was first time prepared with successive ionic layer adsorption and reaction technique (SILAR).
- CdS:Eu was first time applied to photoelectrochemical aptasensing
- FTO/TiO₂/CdS:Eu composite electrode could evidently promote the photocurrent intensity.
- The proposed photoelectrochemical protocol presented ultrahigh sensitivity, reproducibility, specificity and stability.

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