

Supporting Information

Flexible Electrochemical Platform Coupled with In Situ Prepared Synthetic Receptors for Sensitive Detection of Bisphenol A

Chen-Yan Xu, Kang-Ping Ning, Zheng Wang, Yao Yao, Qin Xu * and Xiao-Ya Hu

School of Chemistry and Chemical Engineering, Yangzhou University, Yangzhou 225002, China

* Correspondence: xuqin@yzu.edu.cn

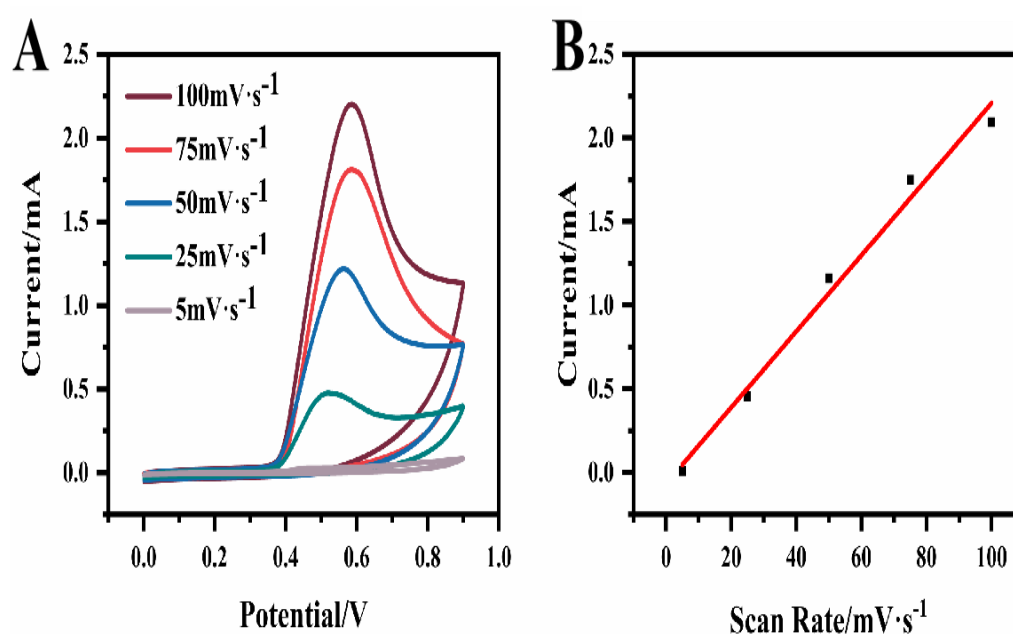


Figure S1. (A) CVs of $1.0\ \mu\text{mol}\cdot\text{L}^{-1}$ BPA at MIP@CF electrode at different scan rates; (B) The oxidation peak currents of $1.0\ \mu\text{mol}\cdot\text{L}^{-1}$ BPA against scan rates.

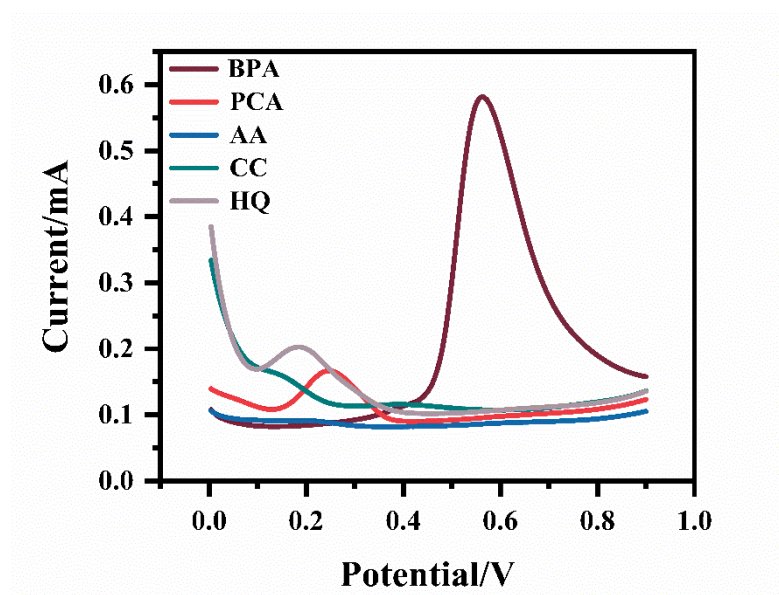


Figure S2. DPV responses of the MIP@CF electrode in pH 7.0 PBS solution after the recognition of 0.5 μ M of Bisphenol A or 5.0 μ M of protocatechuic acid (PCA), ascorbic acid (AA), catechol (CC), and hydroquinone (HQ).

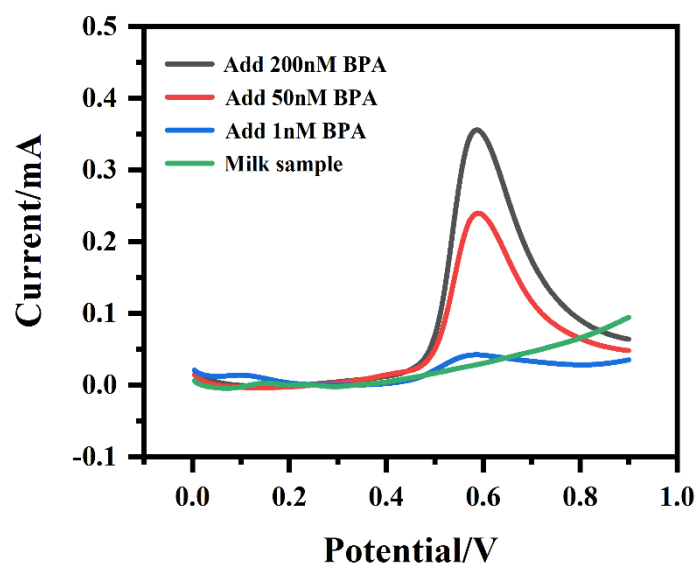


Figure S3. Electrochemical response of MIP@CF for milk sample analysis.