Supporting Information for

A paper-based potentiometric sensing platform based on molecularly imprinted nanobeads for determination of bisphenol A

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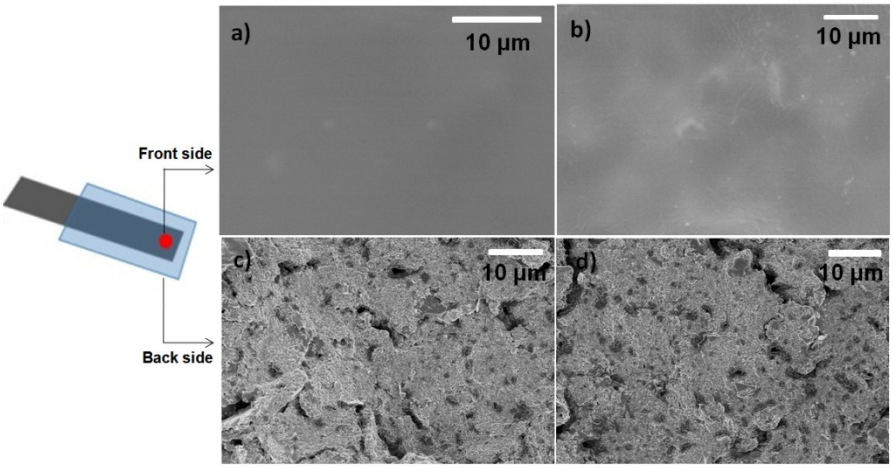

Fig. S1 The microstructural changes of the proposed sensing platform before (a, c) and after detection (b, d). (a) and (b): front side; (c) and (d): back side. Here, the front and back sides refer to the sensing membrane side and the paper substrate side, respectively.

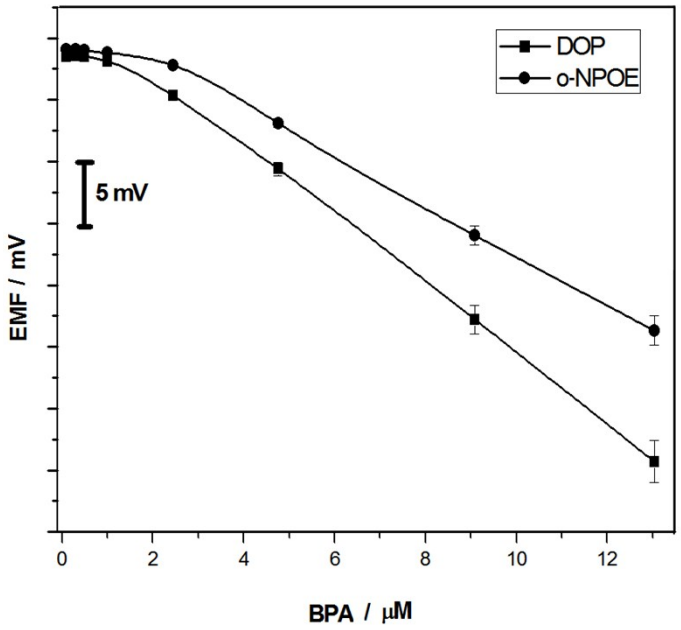

Fig. S2 Effect of the plasticizers on the potentiometric response of paper-based sensor to neutral BPA in 33 mM PBS at pH 7.5.

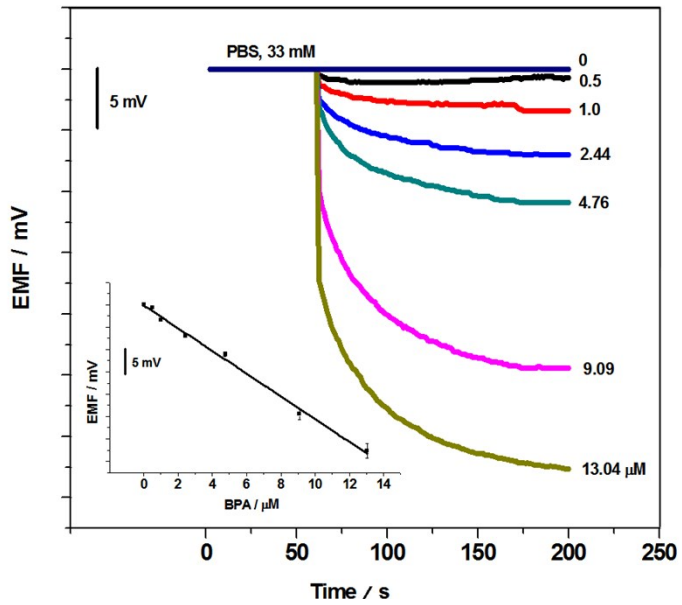

Fig. S3 Typical dynamic potential responses to neutral BPA using the traditional glassy carbon-based potentiometric sensor.

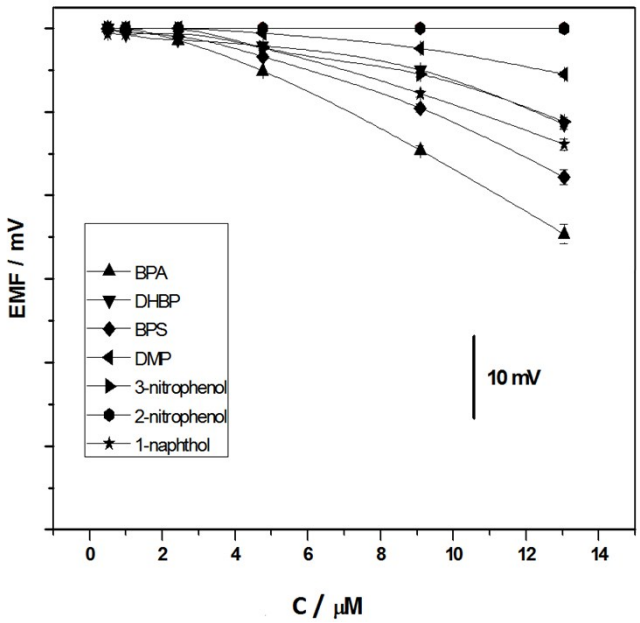

Fig. S4 Potentiometric selectivity of NIP membrane-based sensors towards bisphenol S (BPS), tetrabromo bisphenol A (TBBP), 1-naphthol; 2-nitrophenol, 3-nitrophenol, 4,4'-dihydroxybiphenyl (DHBP) and 2,6 dimethylphenol (DMP).