Supporting Information for

Facile one-step targeted immobilization of enzyme based on silane emulsion selfassembly molecularly imprinted polymers for visual sensors

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Fig.S1 FT-IR spectra of amino-functionalized Fe_3O_4 (a) and MIPs (b)



Fig.S2 TGA curves of amino-functionalized $\mathrm{Fe_3O_4}\left(a\right)$ and MIPs (b)



Fig.S3 Enzymatic kinetic assay and double-reciprocal plots of free HRP (a, b) and immobilized HRP (c, d)



Fig.S4 Reusable performance of the MIPs toward HRP

Detection method	Detection range (µg mL ⁻¹)	References
Colorimetric assay	90-900	[29]
Colorimetric assay	0.9-270	[30]
Electrochemical sensors	54-594	[31]
Fluorescence	0.36-18	[32]
Electrochemical sensor	18-1620	[33]
Colorimetric assay	1-100	This work

Table S1 The colorimetric assay for glucose is compared with others

Table 52 The colormetric assay for saleosine is compared with others			
Detection method	Detection range (µg mL ⁻¹)	References	
Electrochemical method	0.45-3.6	[34]	
Fluorescence	0.009-0.18	[35]	
Colorimetric assay	0.55-2.3; 2.3-23.4	[36]	
Liquid chromatography coupled with coulometric detection	0.024-50	[37]	
Electrochemical sensor	0.22-53.4	[38]	
Colorimetric assay	0.1-10	This work	

Table S2 The colorimetric assay for sarcosine is compared with others