Supplementary Material

Hemin-Doped Metal-Organic Frameworks Based Nanozyme Electrochemical Sensor with High Stability and Sensitivity for Dopamine Detection

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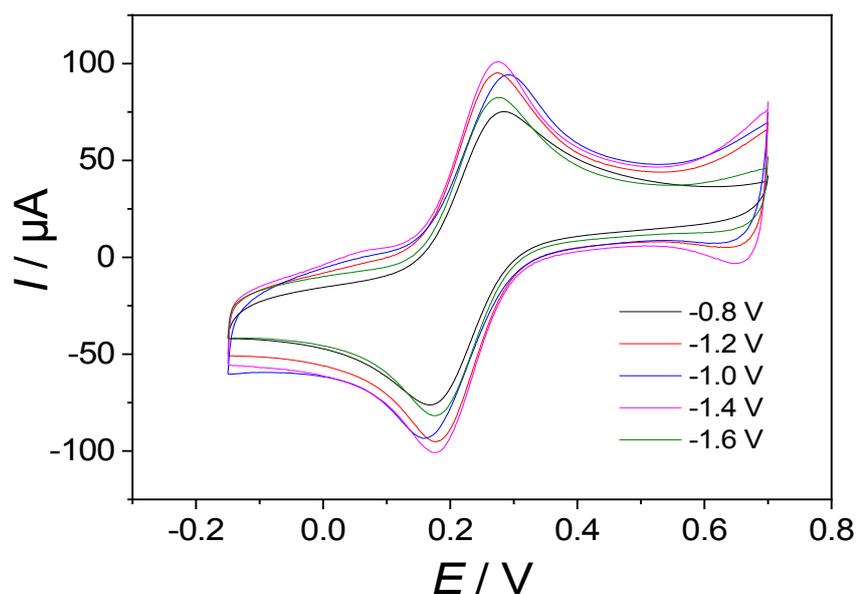
Fig. S1 CVs of rGO/GCE with dirrerent deposition potentials in 5 mM $[Fe(CN)_6]^{3-/4-}$ solution containing 0.1 M KCl and 0.1 M PBS. (-0.8 V, -1.0 V, -1.2 V, -1.4 V, -1.6 V)

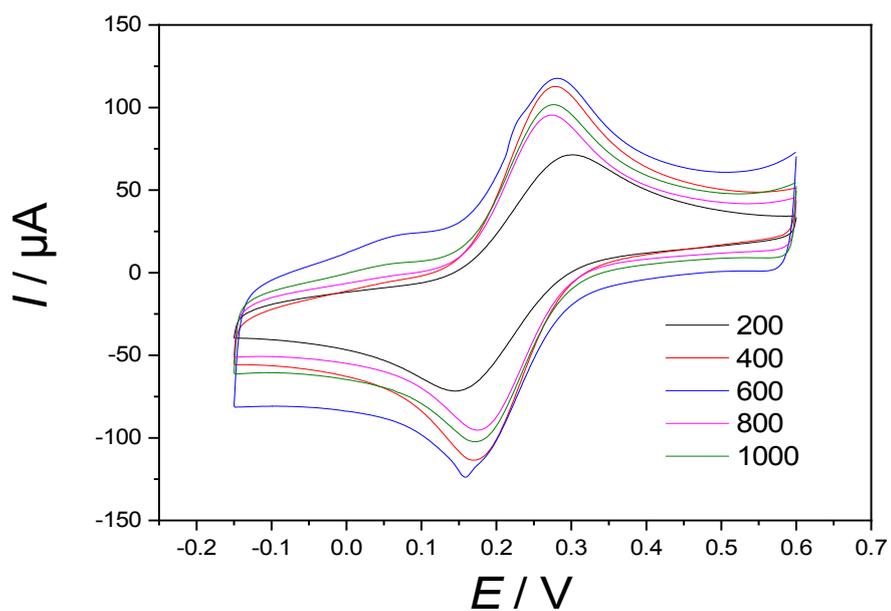Fig. S2 CVs of rGO/GCE with dirrerent deposition times in 5 mM $[Fe(CN)_6]^{3-/4-}$ solution containing 0.1 M KCl and 0.1 M PBS. (200s, 400s, 600s, 800s, 1000s)
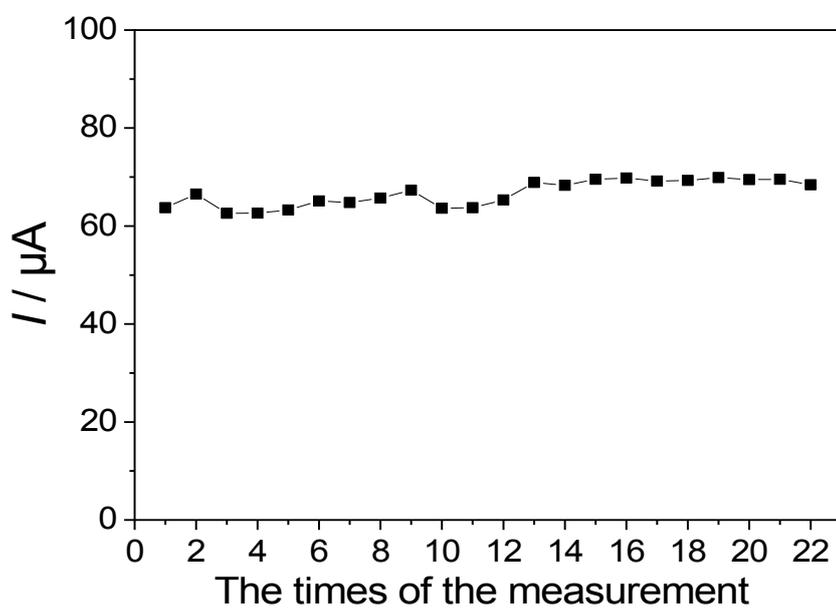

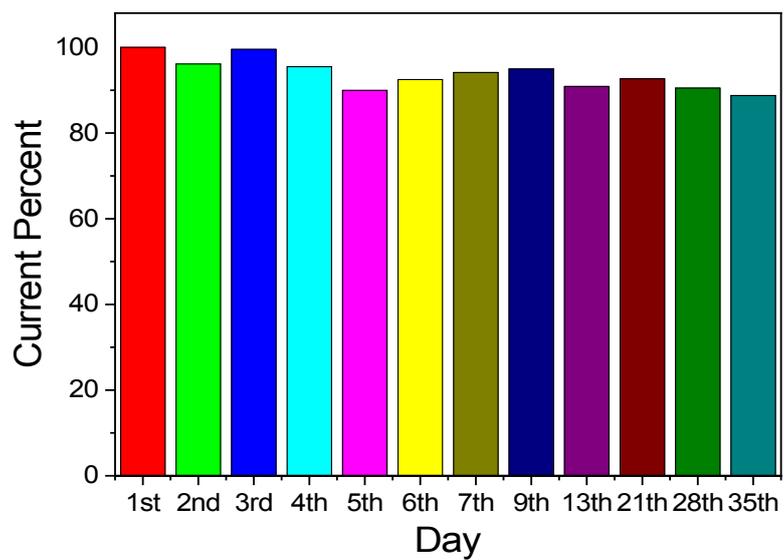Fig. S3 Calibration plots of the redox peak currents of 22 continuous determinations

Fig. S4 Comparison of relative response signal obtained from different days.
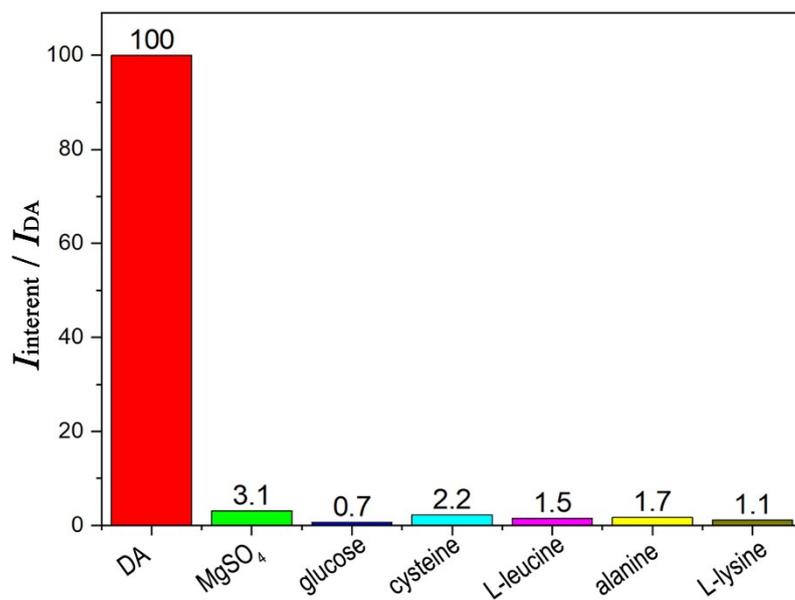

Fig. S5 The ratios of the current value changed after adding each interference substances to the current value with 0.1M DA.
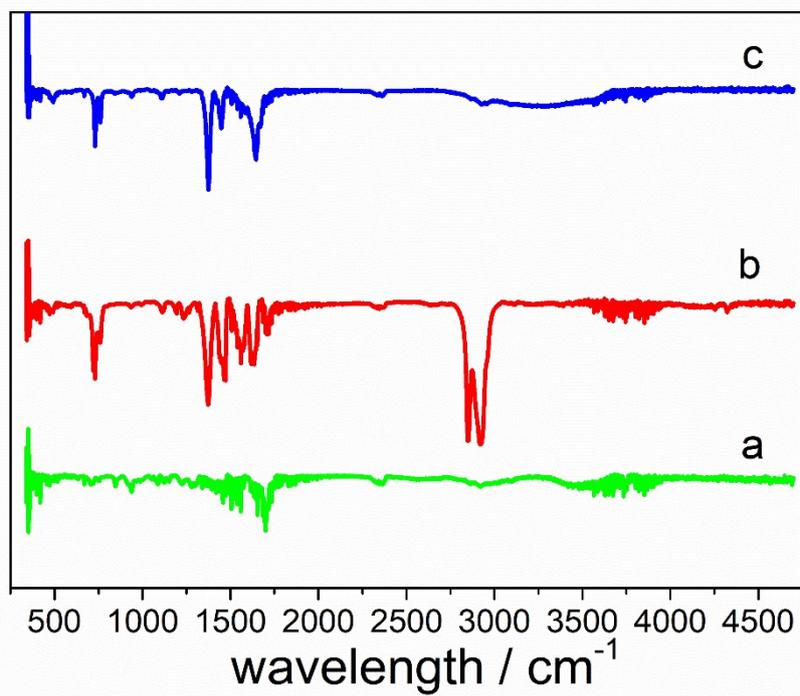
Fig. S6 IR spectrum of (a) hemin, (b) HKUST-1, and (c) Hemin-doped-HKUST-1.