Supporting Information

Graphitic carbon nanocages modified electrode for highly sensitive and selective detection of dopamine

Fig. S1 XRD pattern of CNCs.

Fig. S2 The DPV signal of different concentrations of CNCs for DA.
**Fig. S3** EISs of GCE, Nafion/GCE and CNCs/Nafion/GCE in 1 mM $\text{[Fe(CN)}_6]^{3-/4-}$ (1:1) containing 0.1 M KCl and the applied ac frequency range: 0.05 Hz-100 kHz. Scan rate: 100 mV s$^{-1}$.

**Fig. S4** DPVs of 50 μM DA containing different concentrations of (A) AA: 1 μM, 50 μM, 100 μM and 200 μM; and (B) UA: 1 μM, 50 μM, 100 μM and 200 μM.