

Electronic Supplementary Material (ESI)

Microporous silk carbon-ionic liquid composite for electrochemical sensor of dopamine

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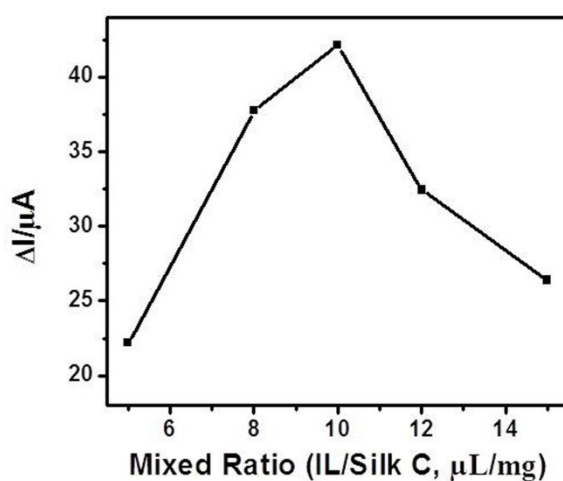


Fig. S1 Effect of the mixed ratio on the differences of oxidation peak current (ΔI) between 0.1 M PBS with 0.5 mM DA and 0.1 M PBS. Scan rate: 50 mV/s.

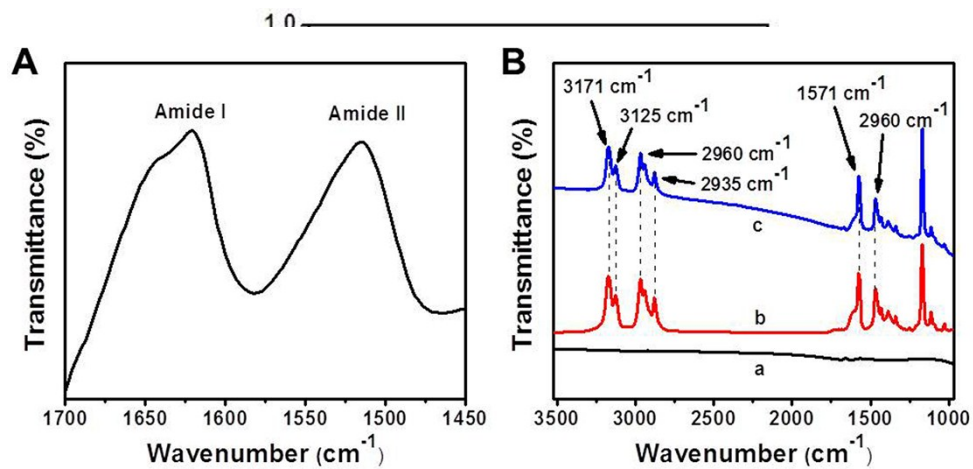


Fig. S2 (A) FTIR spectrum of silk cocoon. (B) FTIR spectra of Silk C (a), IL (b), and Silk C-IL composite (c).

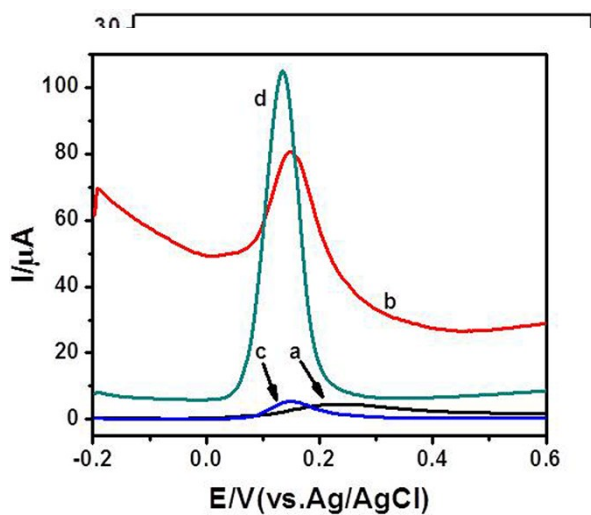


Fig. S3 Differential pulse voltammograms of GCE (a), Silk C/GCE (b), IL/GCE (c), and Silk C-IL/GCE (d) in PBS (PH 7.4) containing DA (1.0 mM).