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Graphene oxide/Polypyrrole Nanocomposites: One-step Electrochemical Coating, Doping and Synergistic Effect for Energy Storage

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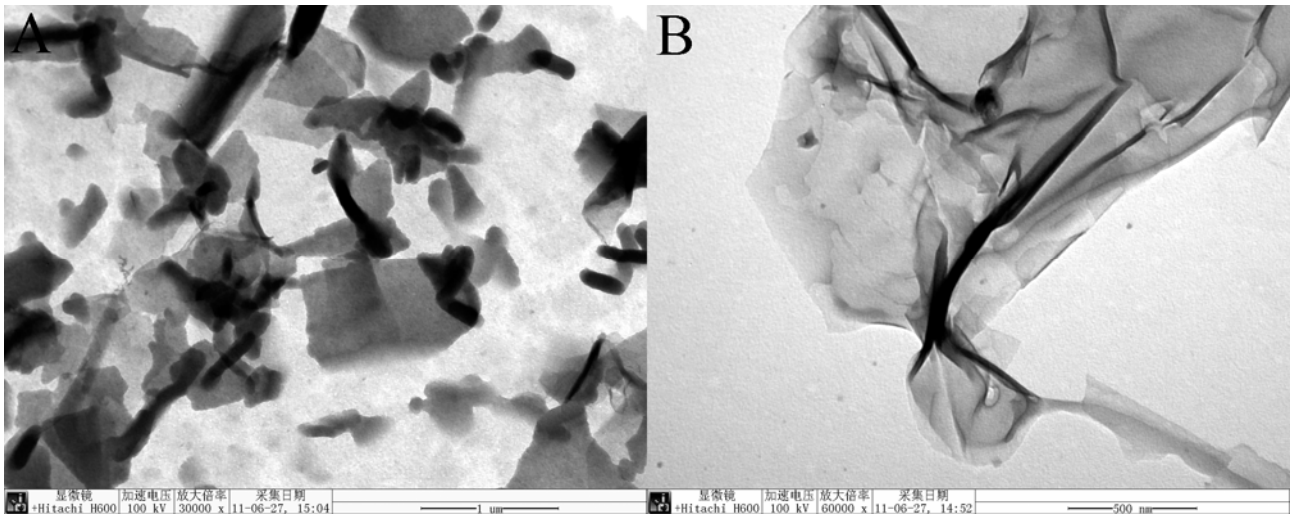

Figure S1. The typical TEM images of the as-prepared GO/PPy nanocomposites.

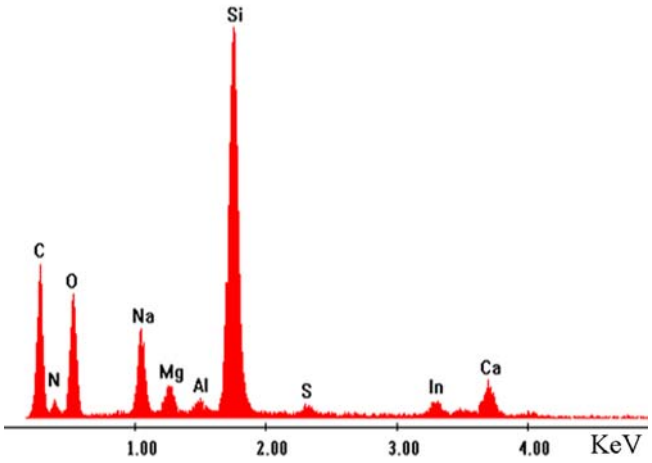

Figure S2. Energy dispersive X-ray (EDX) spectrum of the obtained GO/PPy nanocomposites.

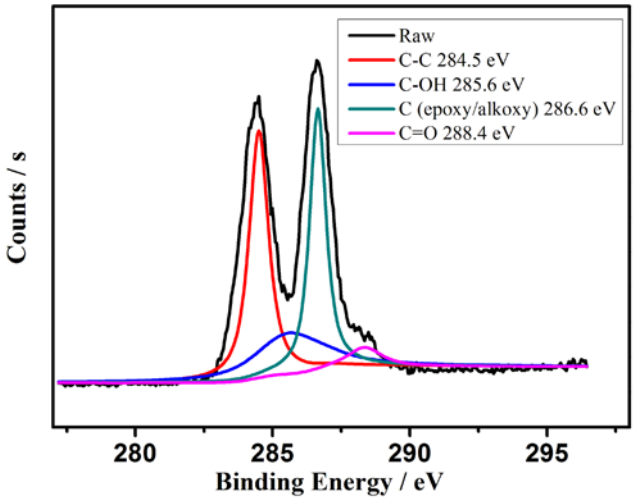

Figure S3. The deconvoluted C 1s XPS spectra of GO.

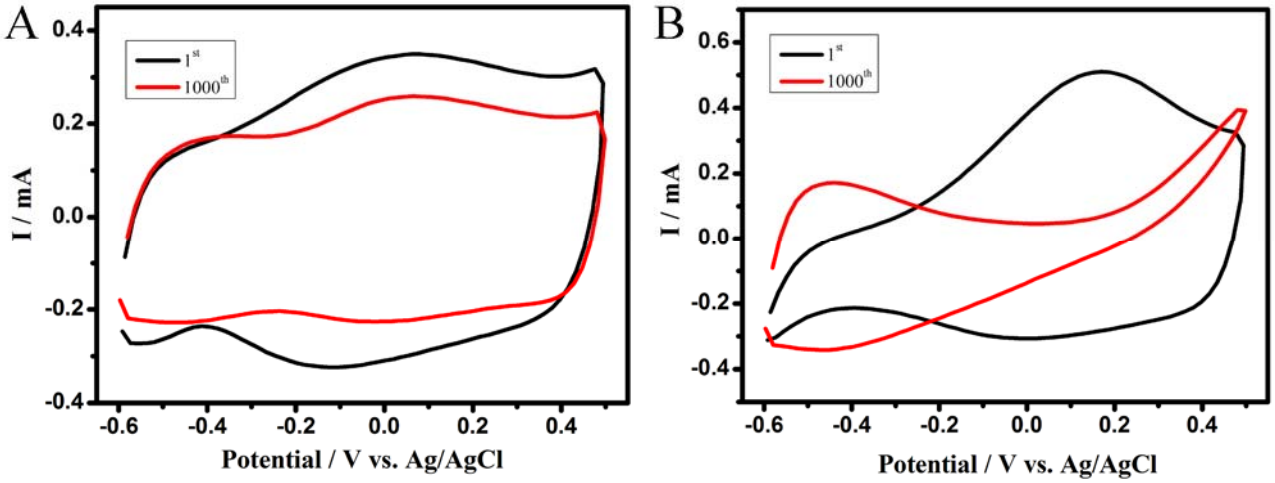

Figure S4. CV curves of electrodeposited (A) GO/PPy nanocomposites and pure PPy in 0.1 M KCl before (black line) and after (red line) cycling 1000 times at 0.1 V/s.

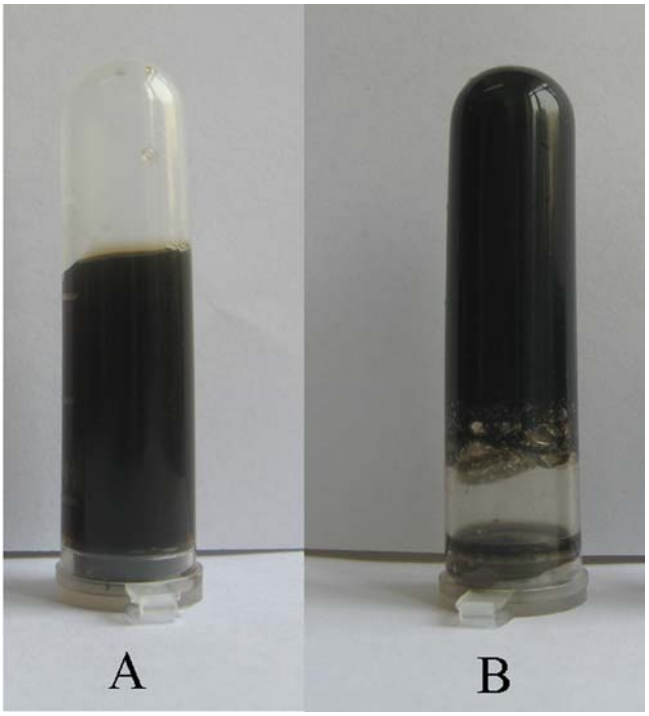

Figure S5. Photographs of GO/Py mixtures with different time: 0 h (A), 10 h (B).

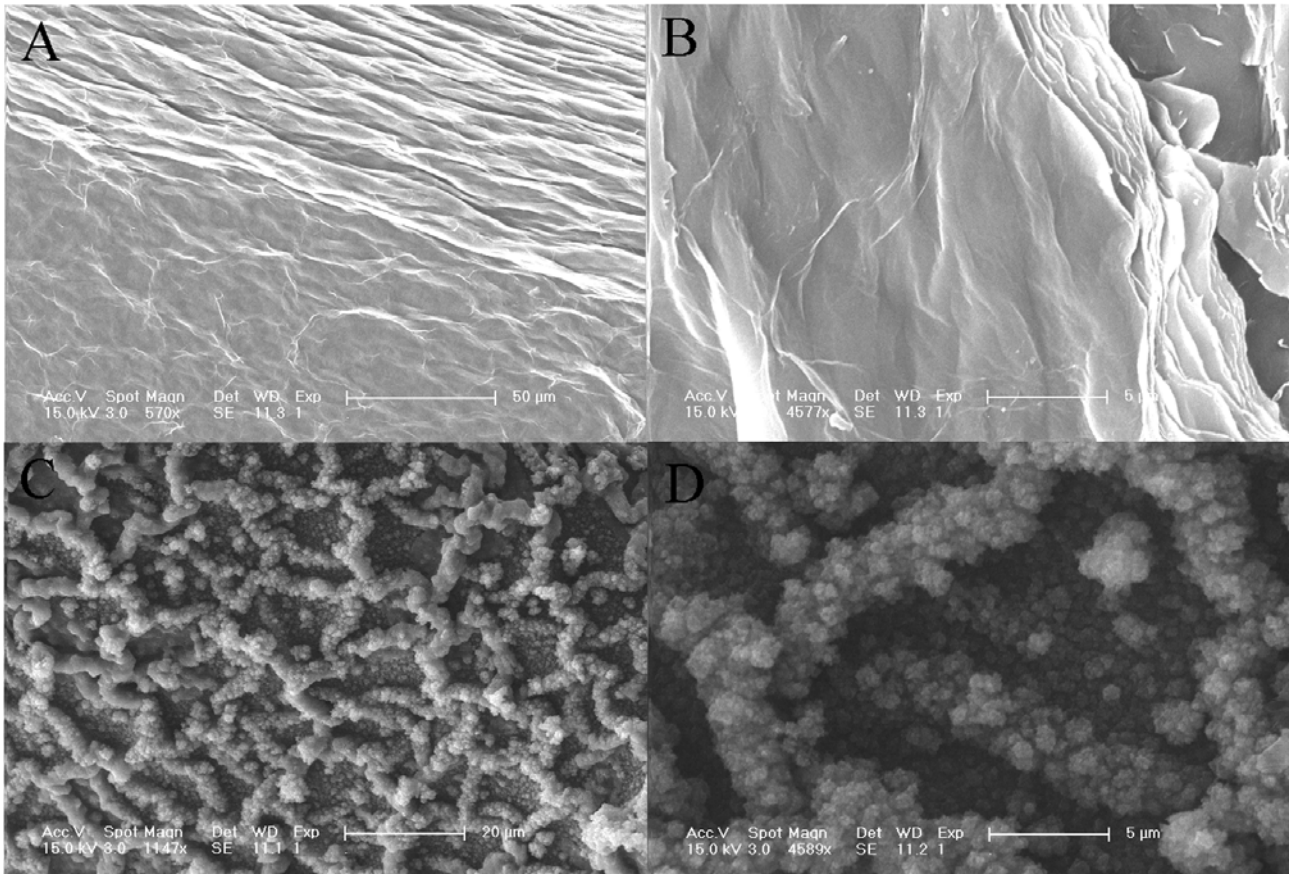

Figure S6. SEM images of the electrodeposited GO/PEDOT nanocomposites (A, B) and pure PEDOT (C, D).