

Supplementary Information

Chemical and Electrochemical Synthesis of Polypyrrole Using Carrageenan as a Dopant: Polypyrrole/Multi-Walled Carbon Nanotube Nanocomposites

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S1: Solubility of Ppy-IC Composite

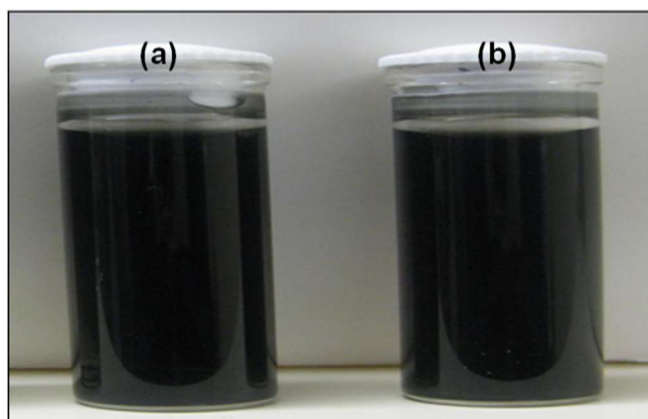


Figure S1. Images showing the solubility of PPy-IC composite solutions in: (a) Milli-Q water and (b) DMSO.

S2: Photographs of Ppy-Carrageenan Film

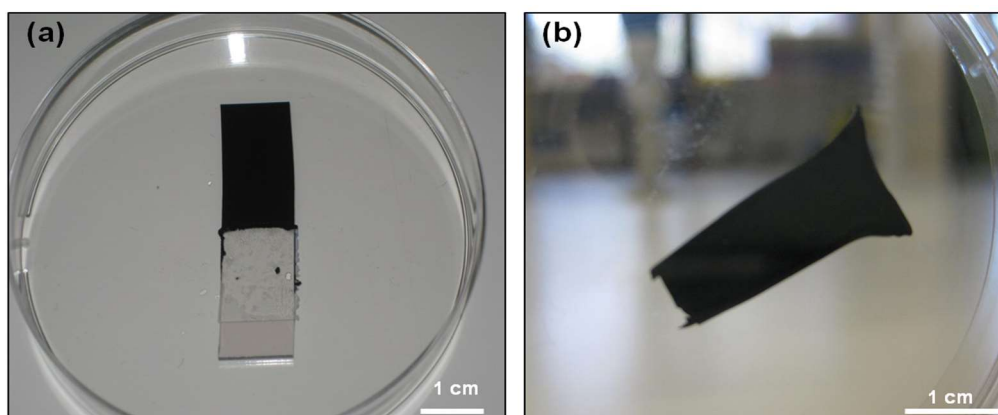


Figure S2. Photographs of (a) PPy-carrageenan film deposited onto ITO glass after the polymerization and (b) the film after peeling off from the ITO glass.

S3: Free-Standing Films Prepared by Evaporative Casting

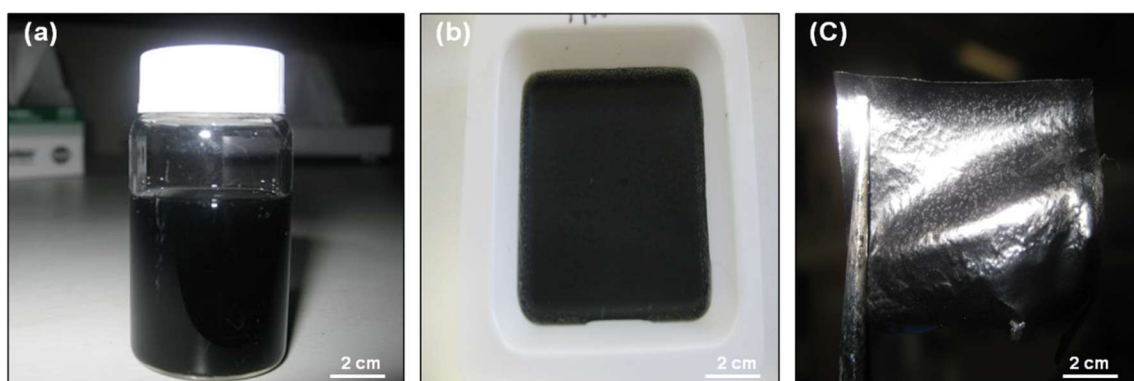


Figure S3. Photographs of (a) PPy-IC composite solution, (b) PPy-IC composite solution during the evaporation into the plastic substrate and (c) PPy-IC composite film after peeling off from the plastic substrate.

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