Supplementary Material (ESI) for Chemical Communications

Supplementary Information for:

Facile fabrication of polypyrrole nanotubes using reverse microemulsion polymerization

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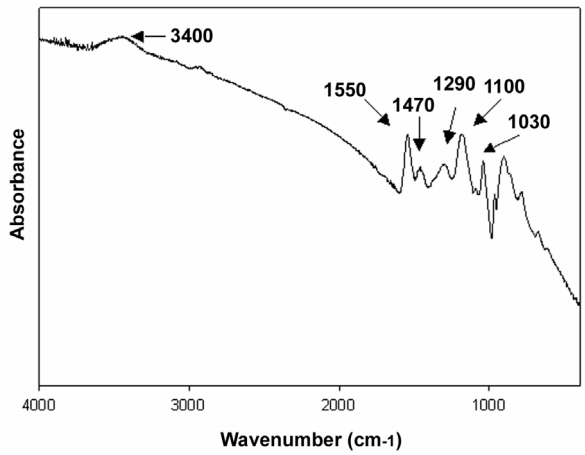
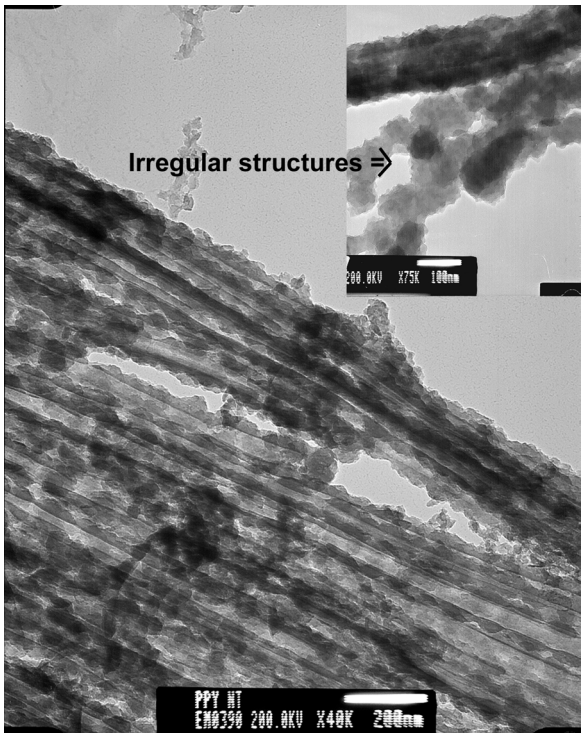
1. FT-IR spectrum of polypyrrole nanotubes prepared with 9 g of AOT, 1 mL of aqueous $FeCl_3$ solution, and 0.5 g of pyrrole monomer in 40 mL of hexane at room temperature.



FT-IR spectrum shows the featureless rise in the absorbance at energies above 1600 cm^{-1}. This is expected because the absorbance in this region aries from the free charge carriers present in doped material.

2. TEM image of PPy nanotubes prepared with 9 g of AOT, 0.5 mL of aqueous $FeCl_3$ solution (9.0 M), and 0.5g of pyrrole monomer in 40 mL of hexane at room temperature.



3. TEM image of PPy nanotubes prepared with 7 g of AOT, 1 mL of aqueous $FeCl_3$ solution (9.0 M), and 0.5g of pyrrole monomer in 40 mL of hexane at room temperature.