

Supplementary Information

Table S1 The morphologies of PPy obtained under different polymerization conditions

Polymerization condition				Morphology
Py concentration	Media	Surfactant	Temperature	
0.03 M	0.2 M HCl	CTAB	0–5 °C	Fibers
0.03 M	0.2 M HCl	CTAB	Room temperature	Particles
0.03 M	0.2 M HCl	None	0–5 °C	particles
0.03 M	CCl ₄	CTAB	0–5 °C	particles
0.03 M	0.6 M HCl	CTAB	0–5 °C	Fibers
0.03 M	1.2 M HCl	CTAB	0–5 °C	Fibers
0.015 M	0.2 M HCl	CTAB	0–5 °C	Fibers