

Electronic Supporting Information (ESI)

Mesoporous Graphitic Carbon Microtubes Derived from Fullerene C₇₀ Tubes as a High Performance Electrode Material for Advanced Supercapacitors

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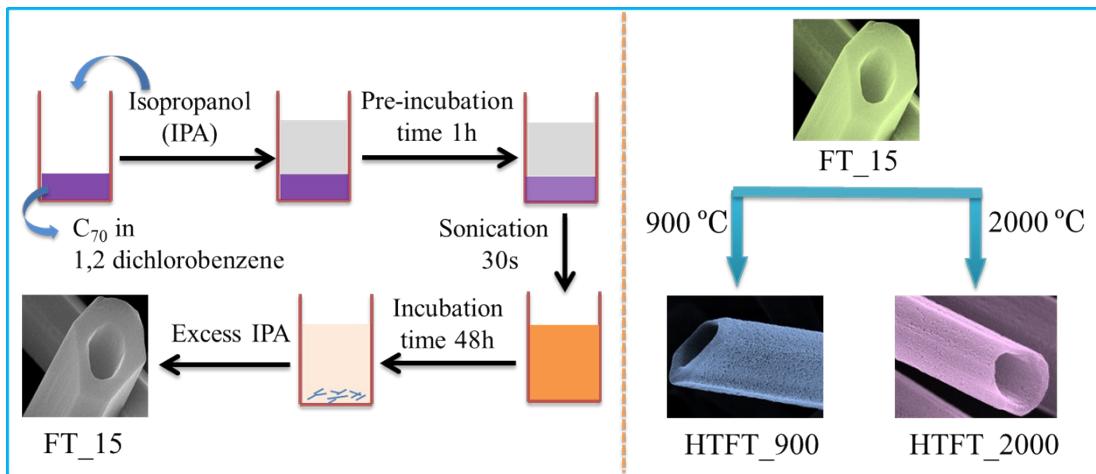
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Contents

1. Synthesis scheme of microtubes	S3
2. SEM images of FT_15	S4
3. Histogram of diameter distribution of FT_15	S5
4. TEM observations of FT_15	S6
5. HR-TEM images of FT_15	S7
6. FT-IR spectra of FT_15 and pristine C ₇₀	S8
7. Thermogravimetric Analysis (TGA) of FT_15.....	S9
8. TEM images of incomplete dissolution of FT_15	S10
9. SEM images of HTFT_900.....	S11
10. TEM images of HTFT_900.....	S12
11. HR-TEM images of HTFT_900.....	S13
12. Additional SEM images of HTFT_2000.....	S14
13. Additional TEM images of HTFT_2000	S15
14. Additional HR-TEM images of HTFT_2000	S16
15. Cyclic voltamograms of FT_15 and HTFT_900	S17
16. Charge discharge plot of FT_15 and HTFT_900.....	S18
17. I-V Measurement	S19

1. Synthetic scheme of microtubes



Scheme S1. Synthesis of FT_15, HTFT_900 and HTFT_2000

2. SEM images of FT_15

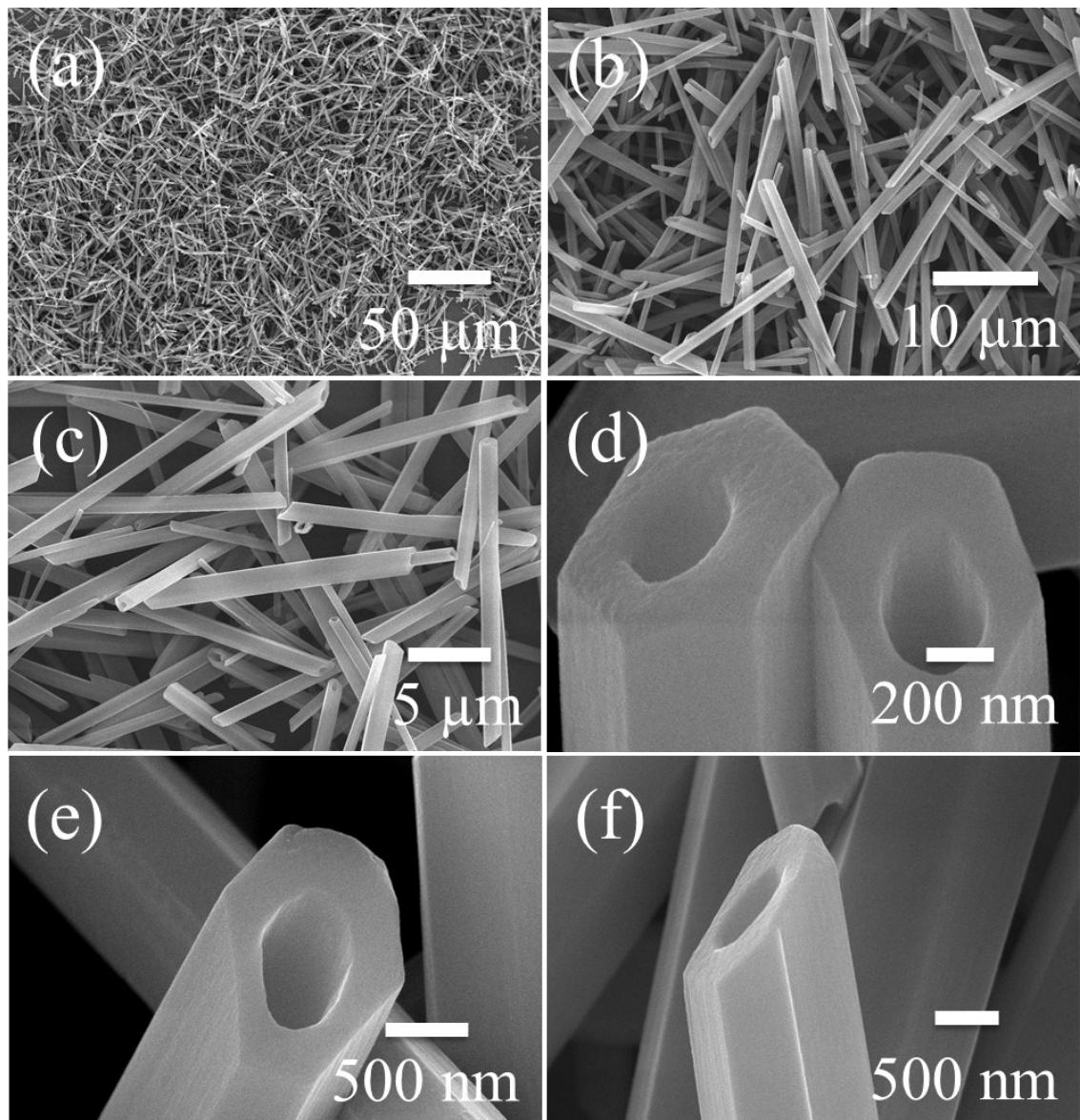


Figure S1. FE-SEM images of FT_15

3. Diameter distribution of FT_15

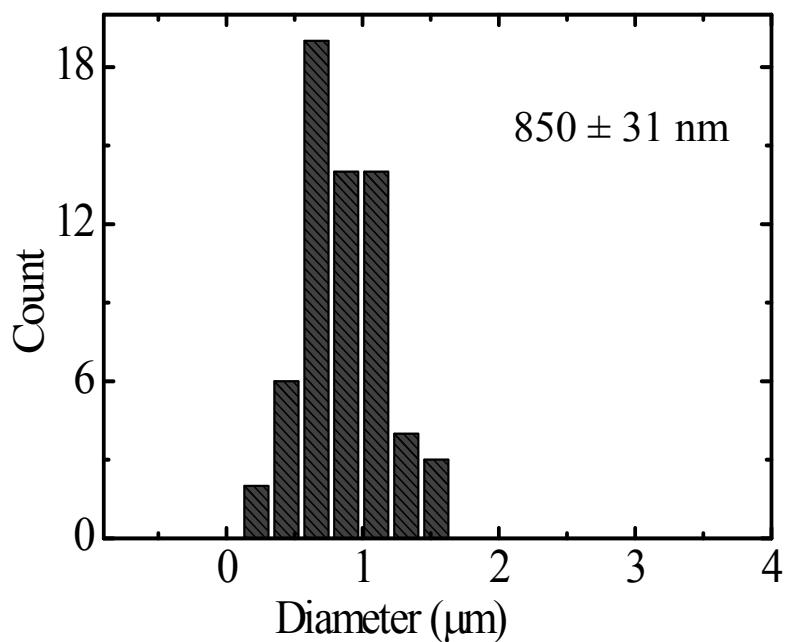


Figure S2. Diameter distribution plot of FT_15

4. TEM images of FT_15

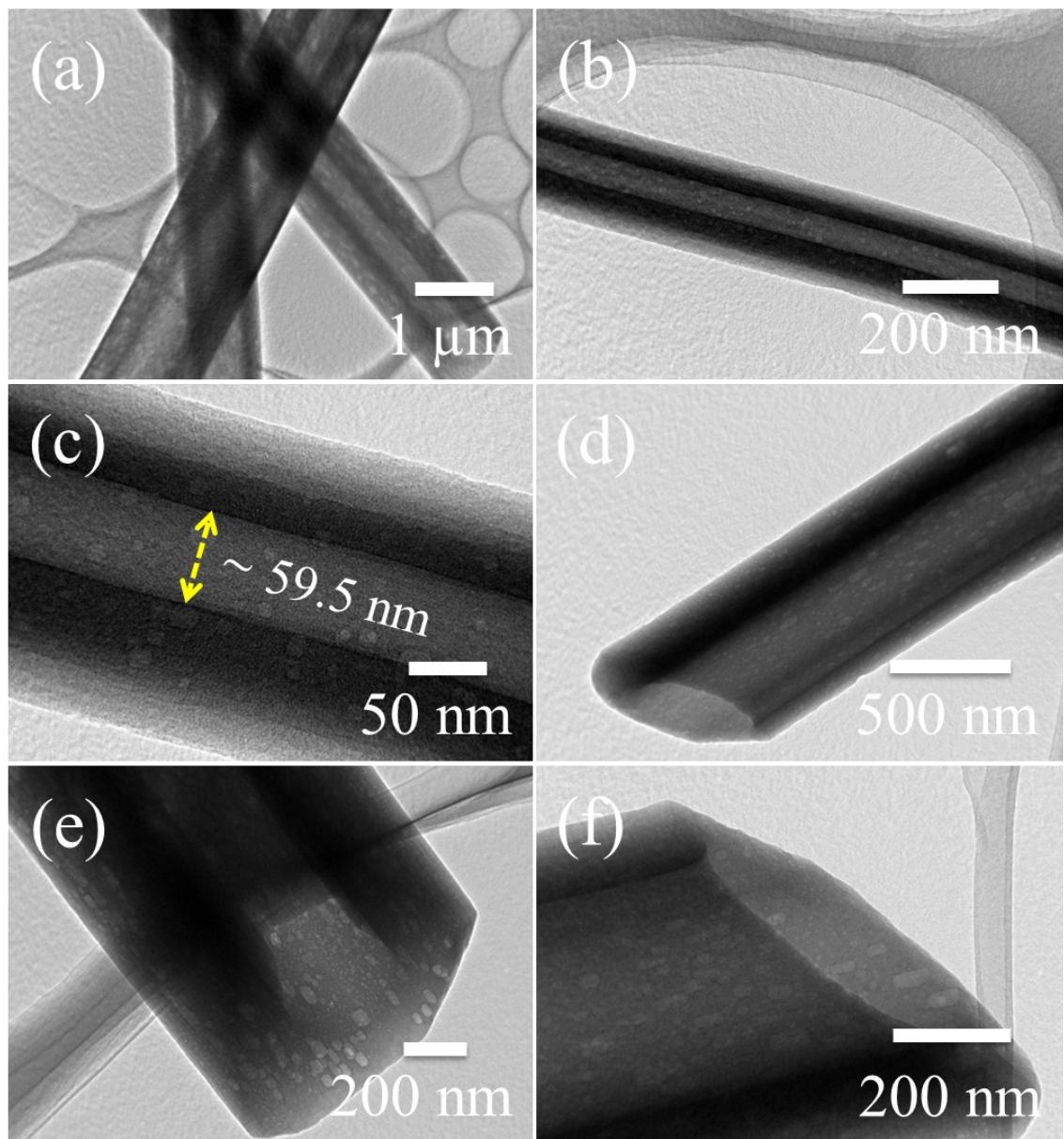


Figure S3. TEM images of FT_15

5. HR-TEM images of FT_15

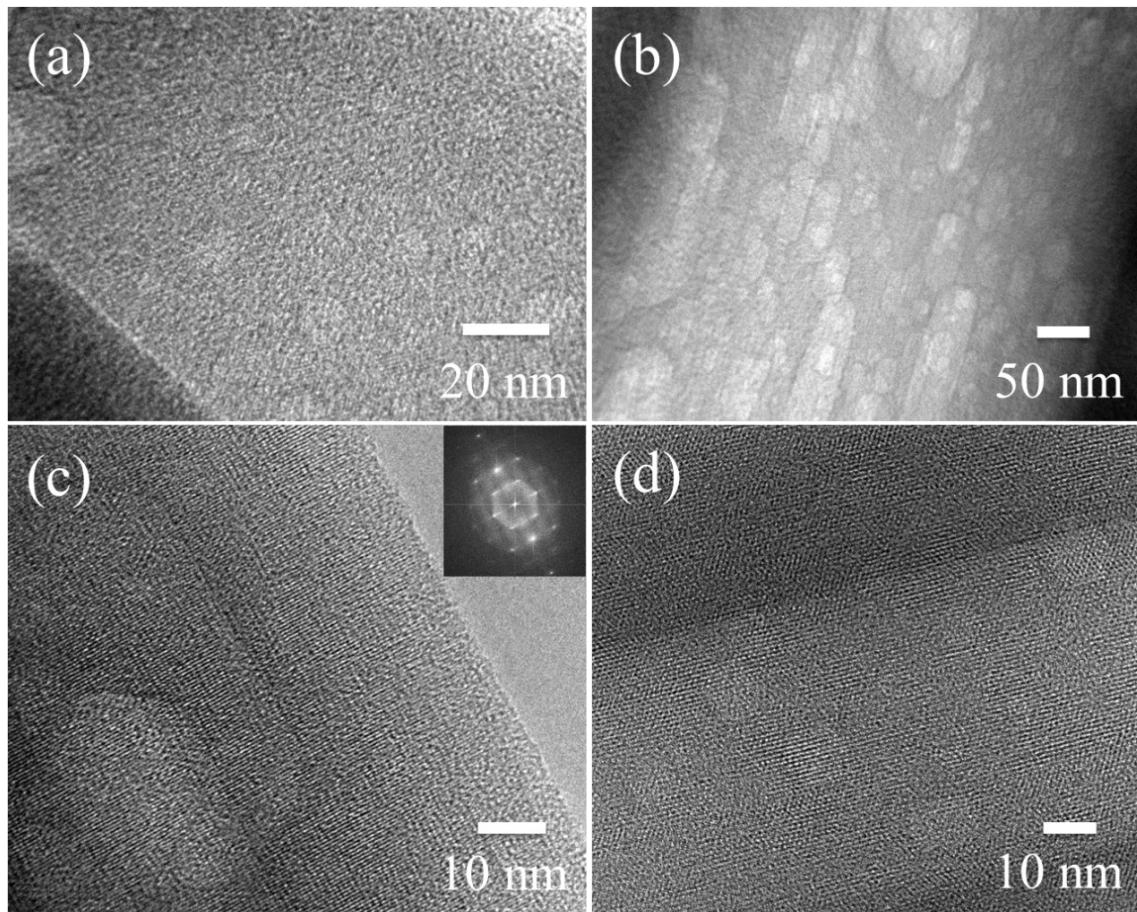


Figure S4. HR-TEM images of FT_15

6. FT-IR spectra of FT_15

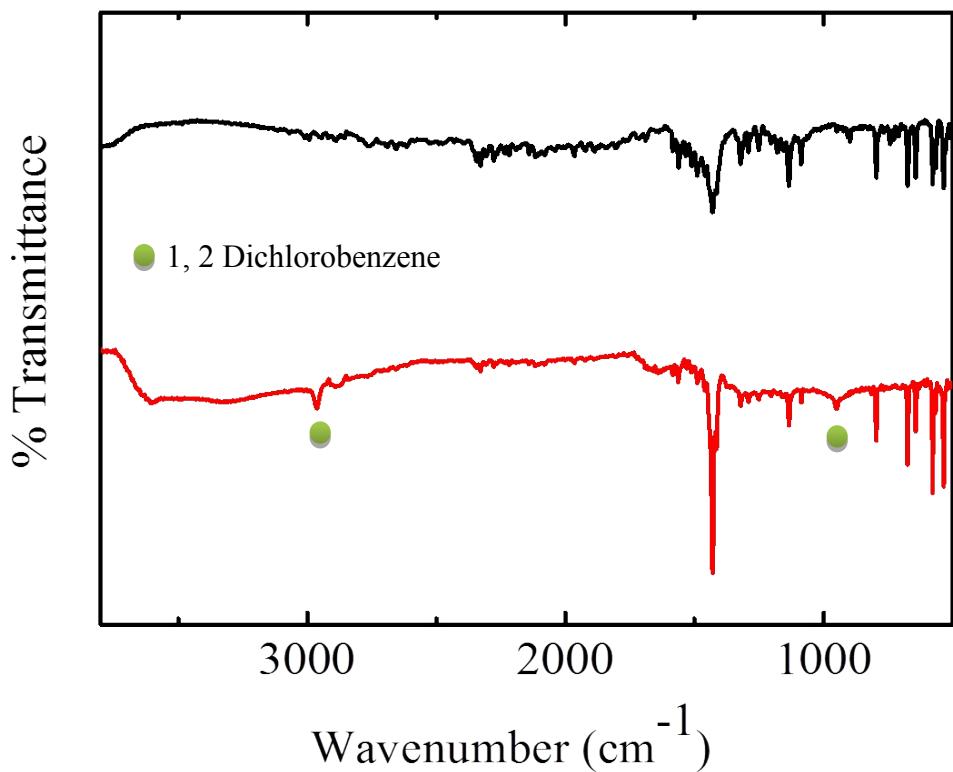


Figure S5. FT_IR spectra of pristine C_{70} and FT_15

7. Thermogravimetric analysis (TGA) of FT_15

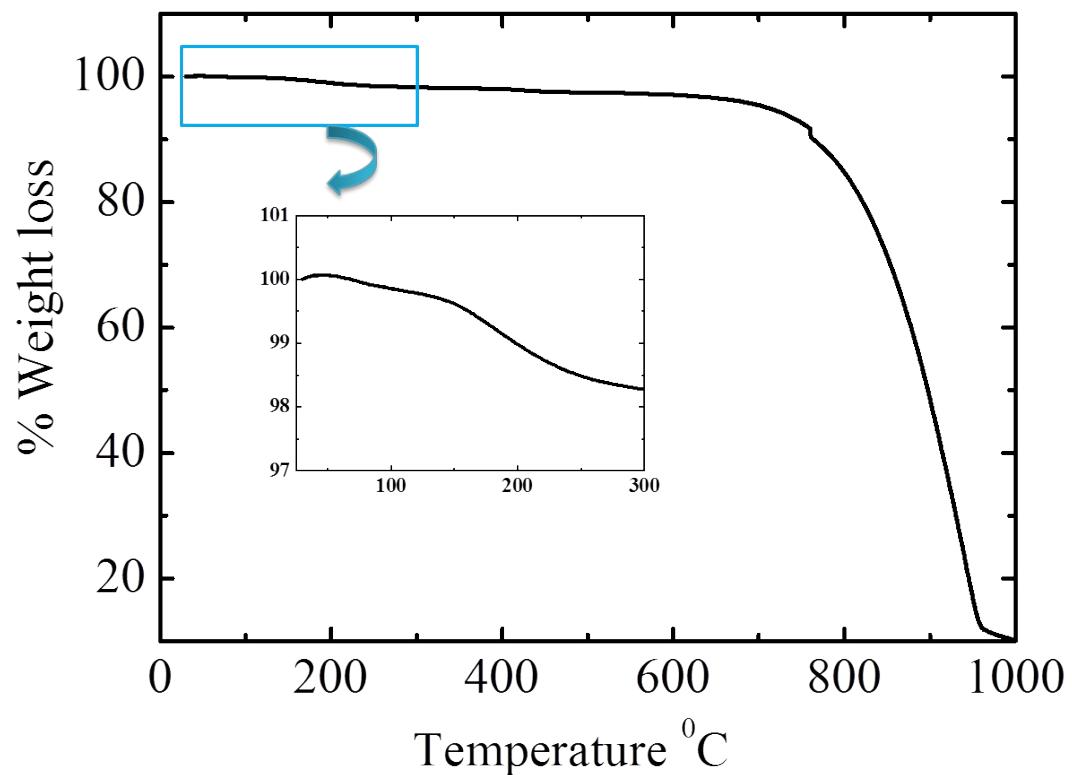


Figure S6. Thermogravimetry (TG) curve of FT_15 recorded at temperature ramp of 10 $^{\circ}\text{C min}^{-1}$.

8. TEM images of incomplete dissolution of FT_15

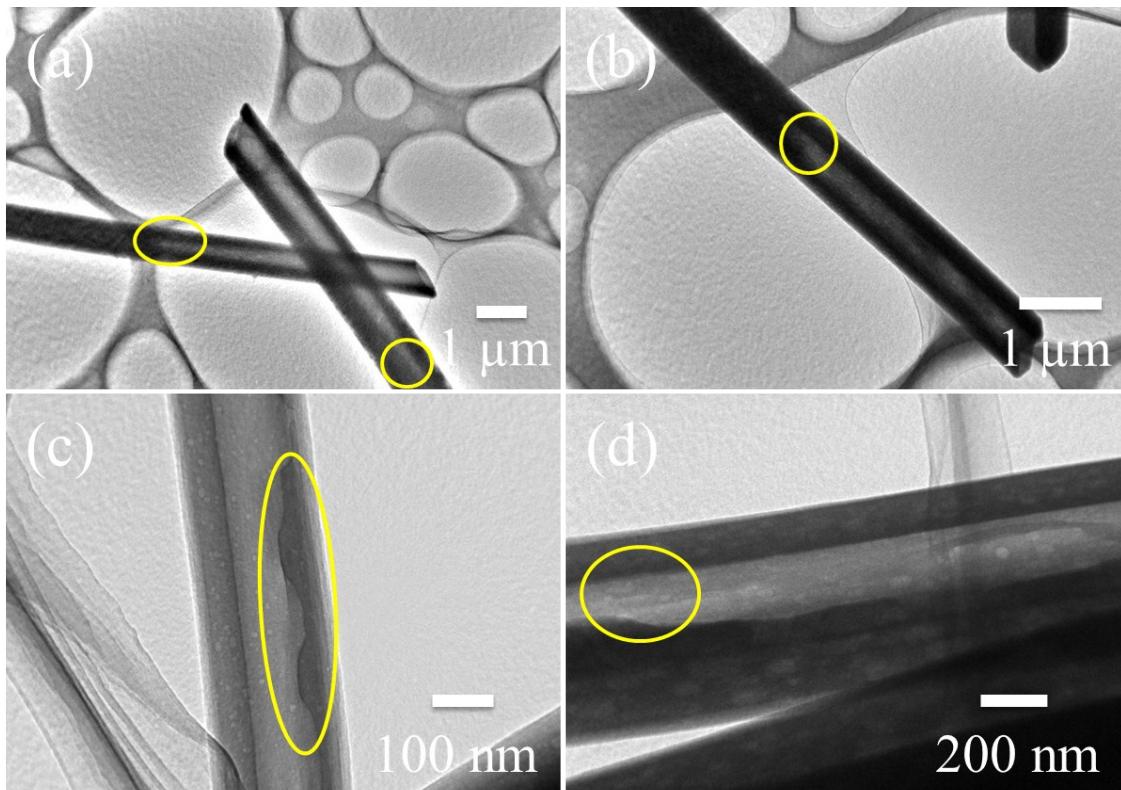


Figure S7. TEM images of incomplete dissolution of the tubes

9. SEM images of HTFT_900

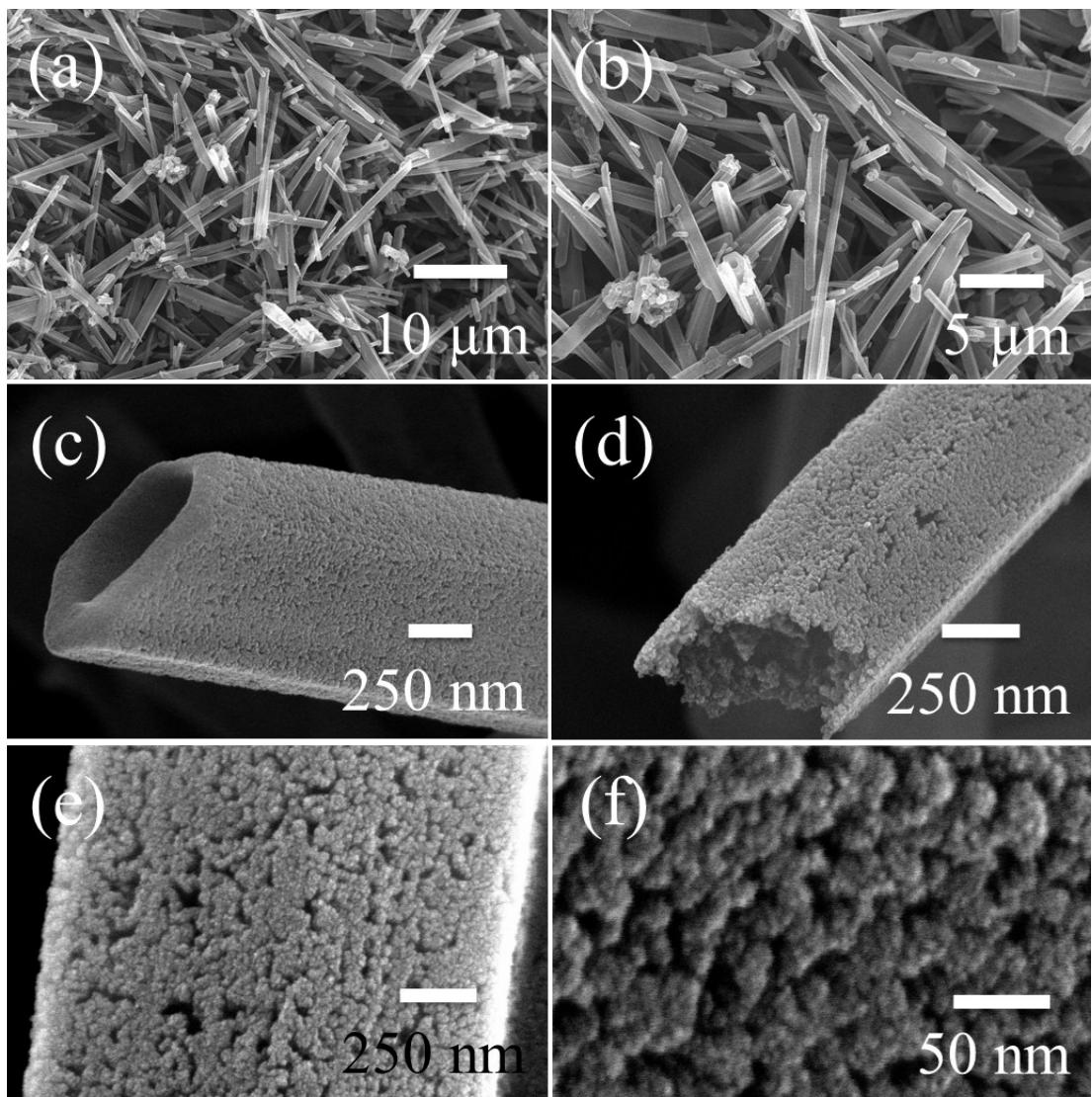


Figure S8. SEM images of HTFT_900

10. TEM images of HTFT_900

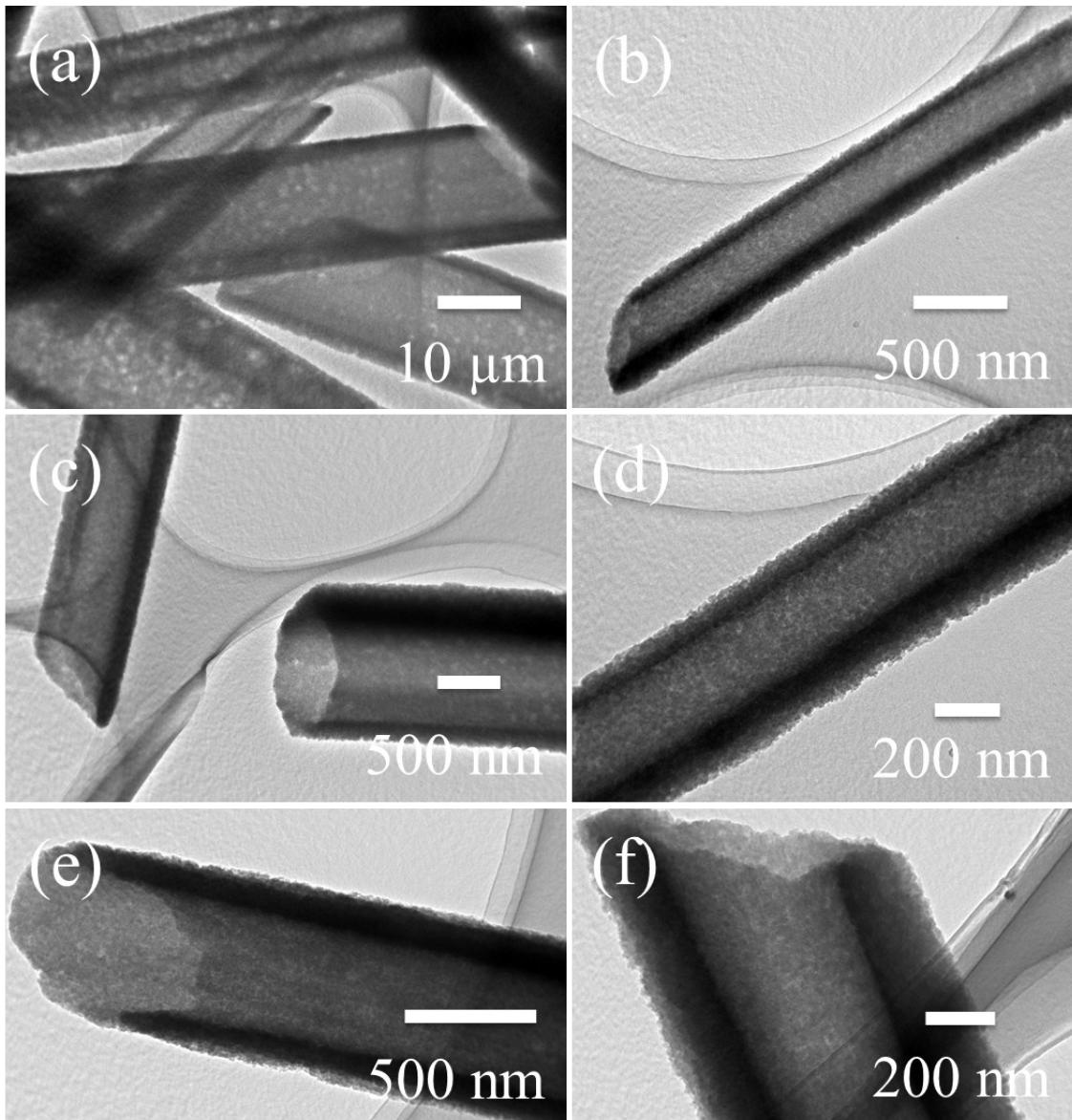


Figure S9. TEM images of HTFT_900

11. HR-TEM images of HTFT_900

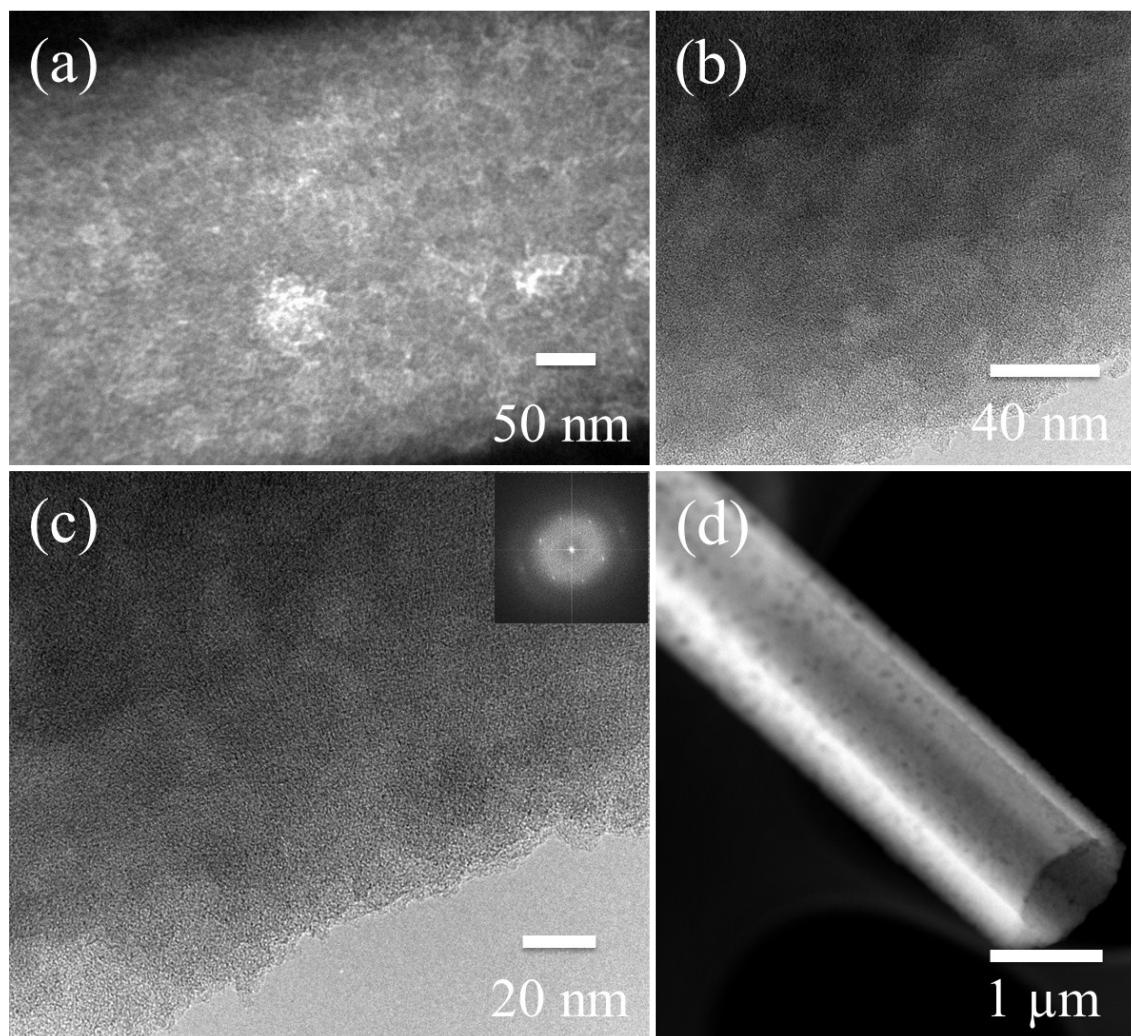


Figure S10. HR-TEM and STEM images of HTFT_900

12. Additional SEM images of HTFT_2000

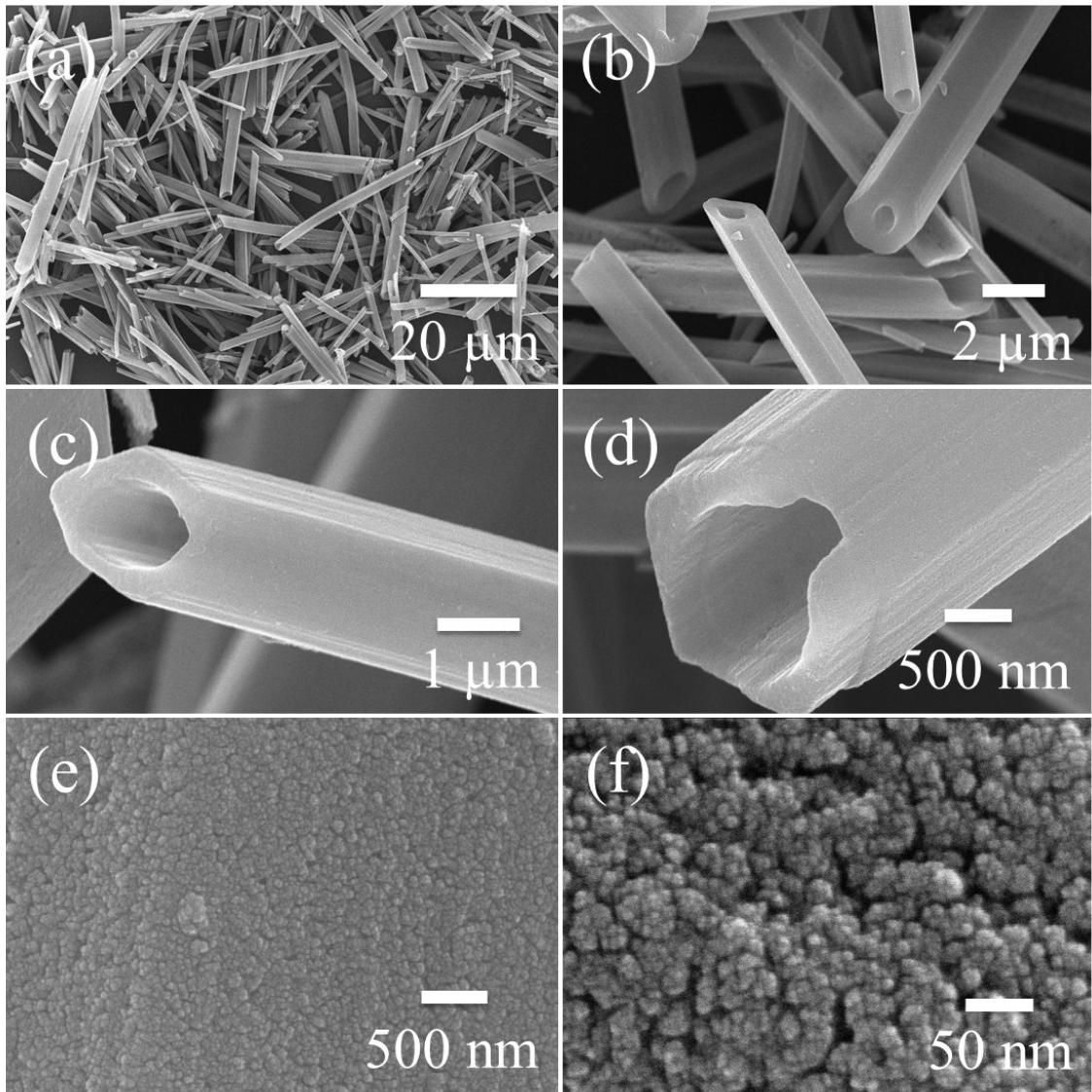


Figure S11. SEM images of HTFT_2000

13. Additional TEM images of HTFT_2000

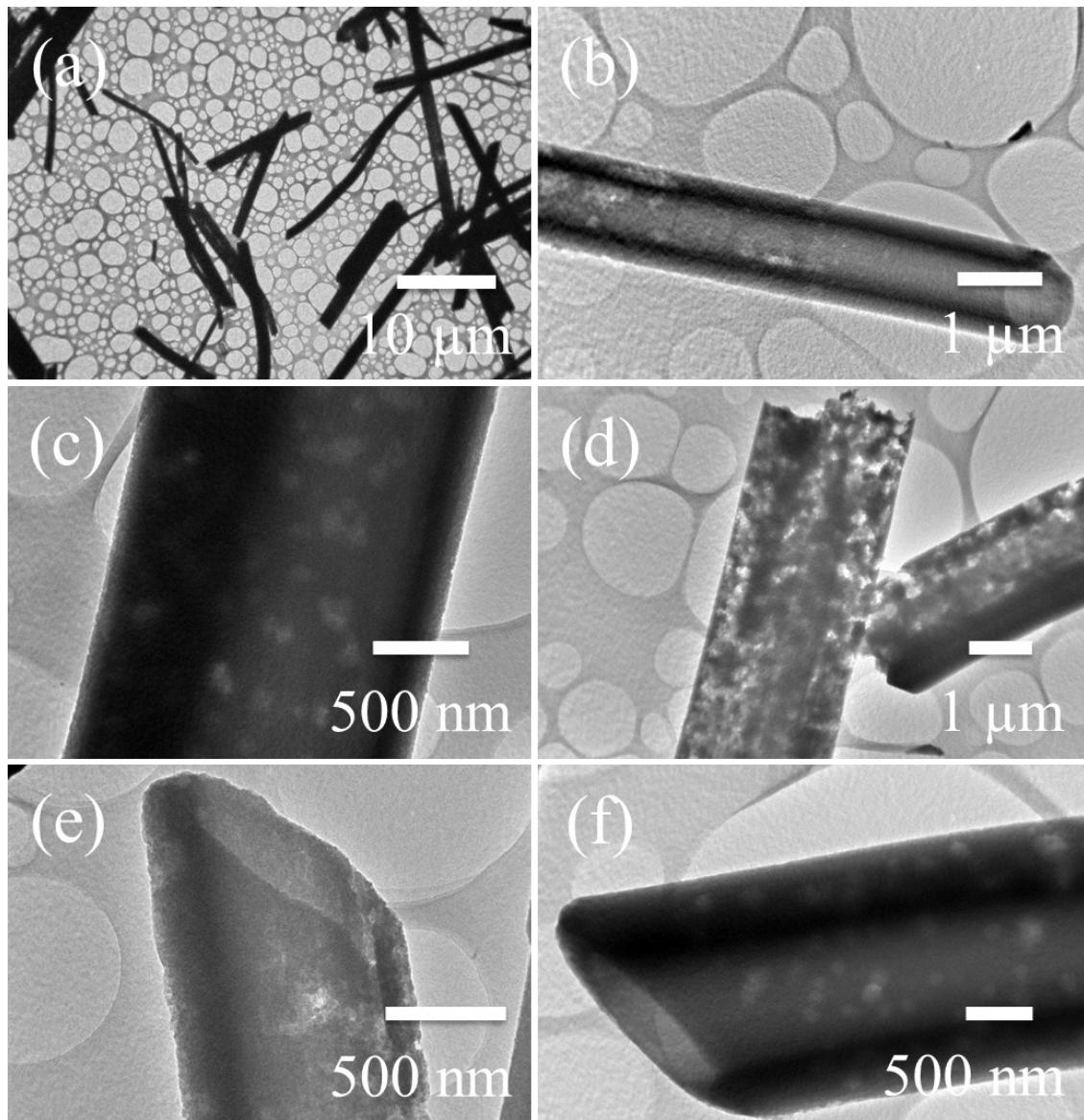


Figure S12. TEM images of HTFT_2000

14. Additional HR-TEM images of HTFT_2000

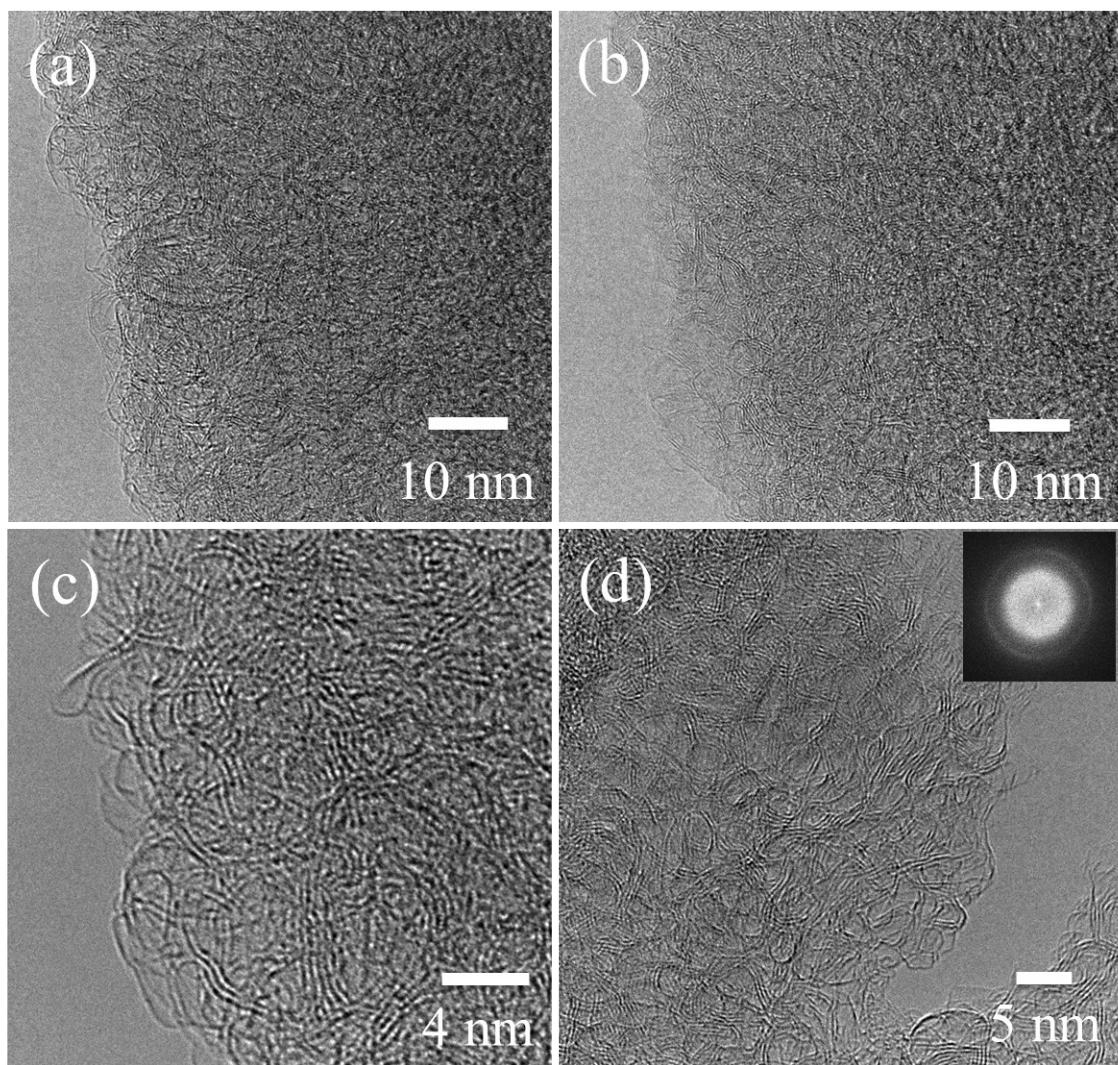


Figure S13. HR-TEM images of HTFT_2000

15. CV curves of FT_15 and HTFT_900

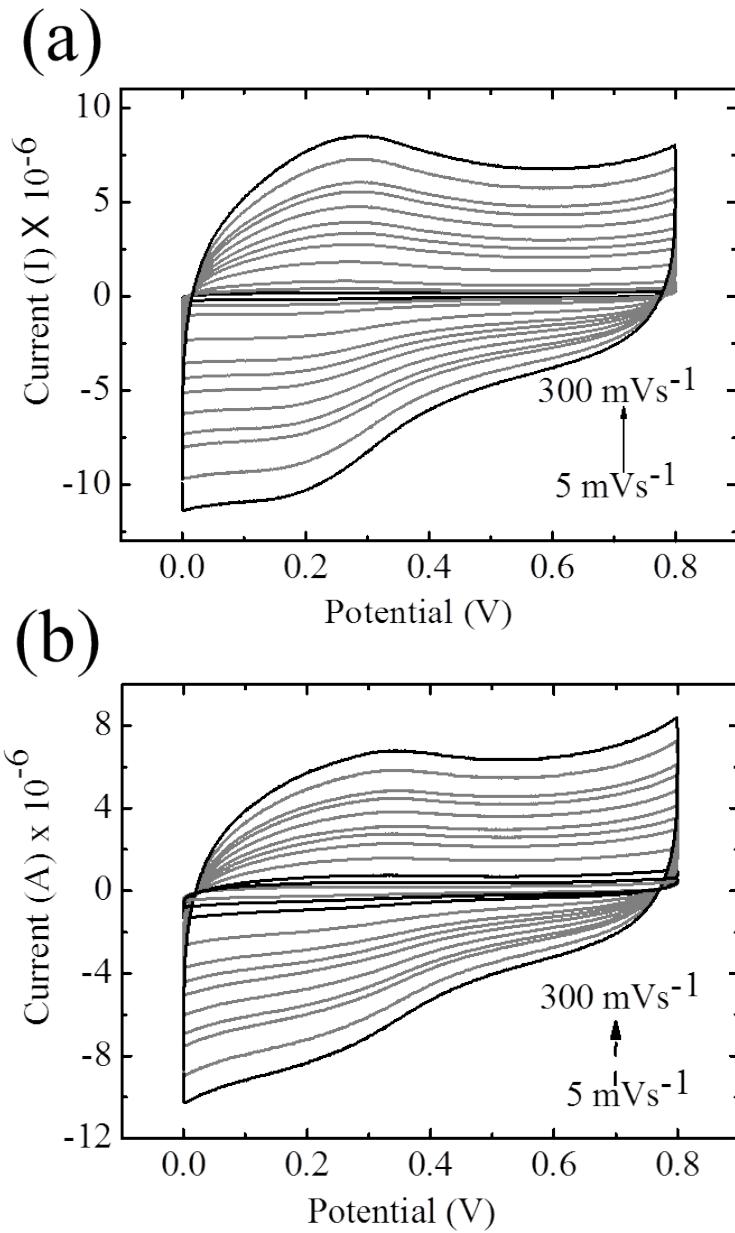


Figure S14. (a) CV plot of FT_15 and (b) HTFT_900

16. Charge discharge plot of FT_15 and HTFT_900

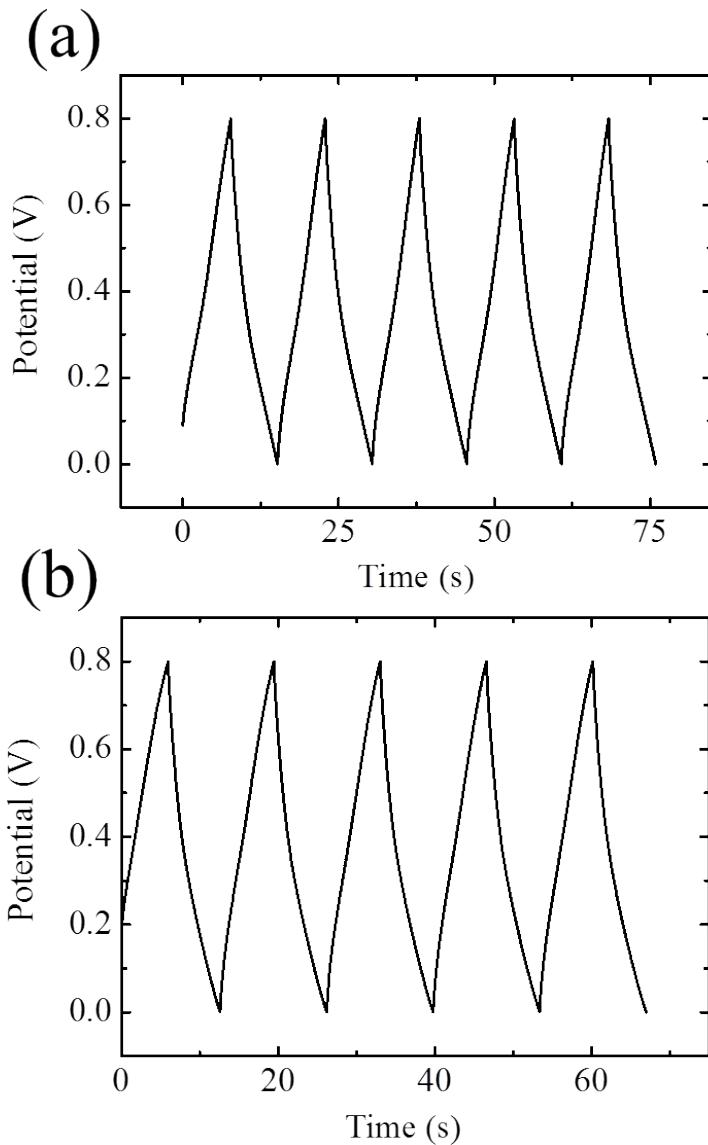


Figure S15. (a-b) Charge discharge plot of FT_15 and HTFT_900 respectively

17. I-V curve

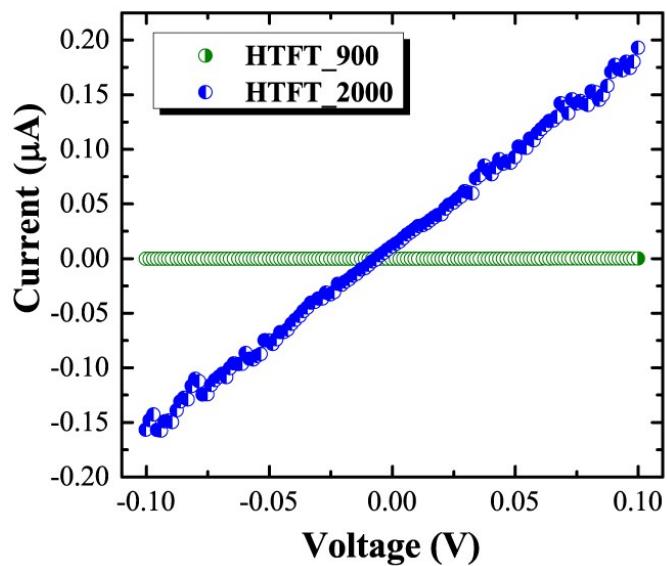


Figure 16. I-V characteristic curves of HTFT_900 and HTFT_2000 recorded using probe station.