

Supporting Information for

Large-area, stretchable, super flexible and mechanically-stable thermoelectric films of polymer/carbon nanotube composites

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Fig. S1 The PPy/SWCNT composite films can be easily cut into a variety of shapes including squares, circles, triangles and stars.

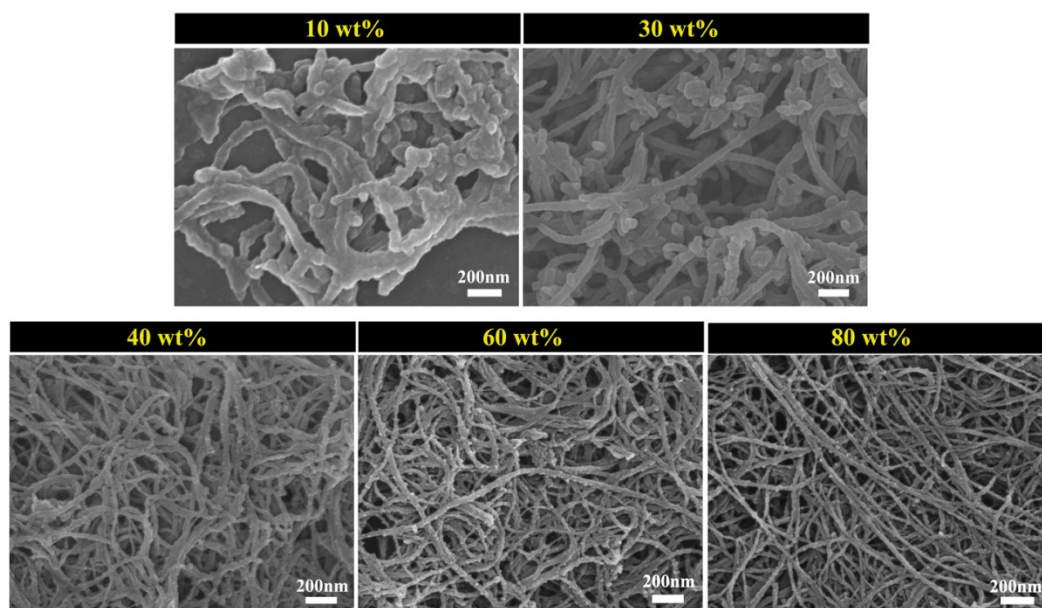


Fig. S2 FESEM images of PPy/SWCNT composites prepared in water. The effect of reaction medium using water on composite morphology with a variety of SWCNT:Py mass ratios.

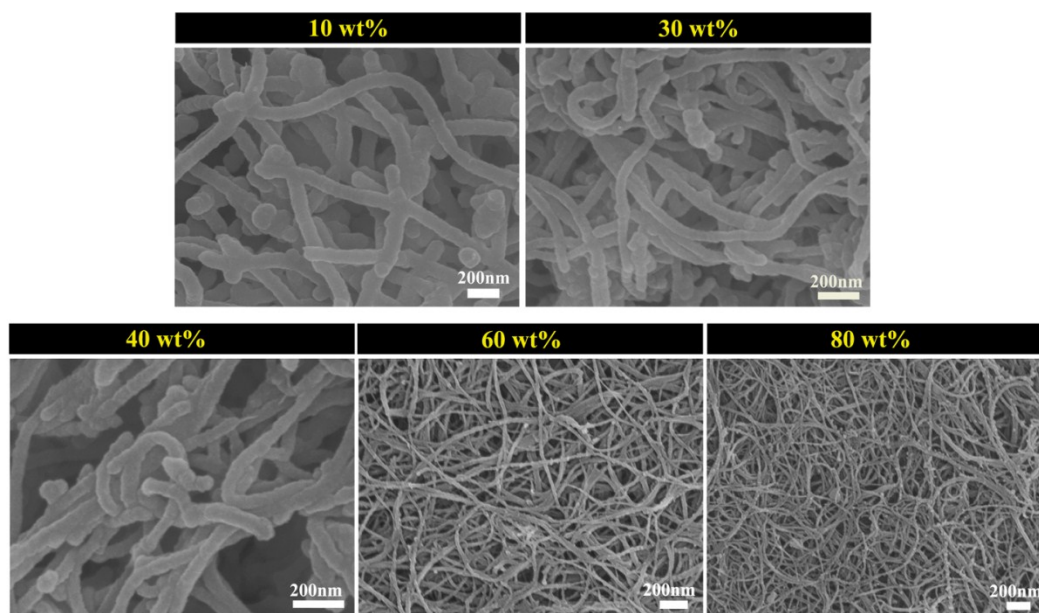


Fig. S3 FESEM images of PPy/SWCNT composites prepared in aqueous ethanol. The effect of reaction medium using aqueous ethanol on composite morphology with a variety of SWCNT:Py mass ratios.

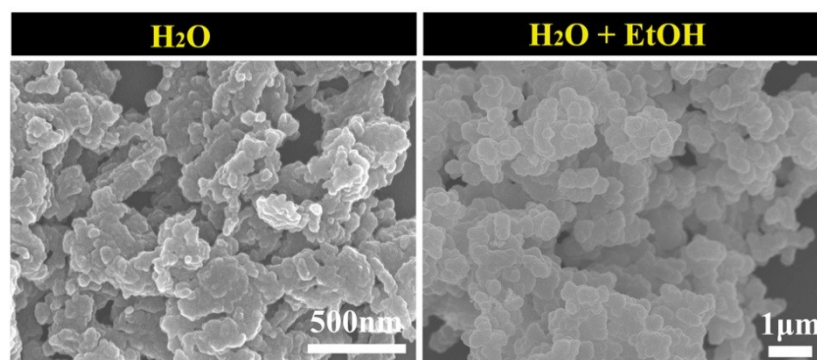


Fig. S4 FESEM images of PPy prepared in the water and aqueous ethanol.

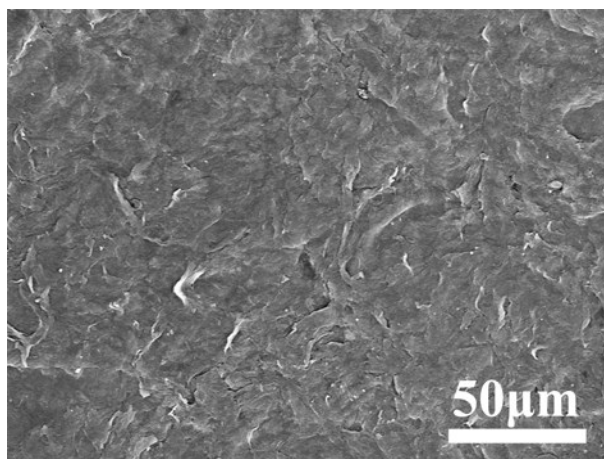


Fig. S5 The original morphology for the PPy/SWCNT composite (SWCNT:Py ratio of 40 wt%, prepared in aqueous ethanol) film before mechanical bending and stretching.