Supplementary Information for

Anisotropic Conductive Films Based on Highly Aligned Polyimide Fibers Containing Hybrid Materials of Graphene Nanoribbons and Carbon Nanotubes

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Figure S1. SEM images of (a) pristine CNTs and (b) GNR/CNT hybrid.
Figure S2. FTIR spectra of (a) pristine CNTs, (b) oxidized GNR/CNT and (c) GNR/CNT hybrid.
Figure S3. Digital picture showing the dispersion stability of (a) pristine CNTs, (b) oxidized GNR/CNT hybrid, (c) GNR/CNT hybrid in water, as well as GNR/CNT hybrid in DMAc.
**Figure S4.** TEM image of single PI-GNR/CNT composite fiber (9 wt% GNR/CNT hybrid) at high magnification.
Figure S5. Digital photograph of flexible PI-GNR/CNT (9 wt %) composite film upon bending.