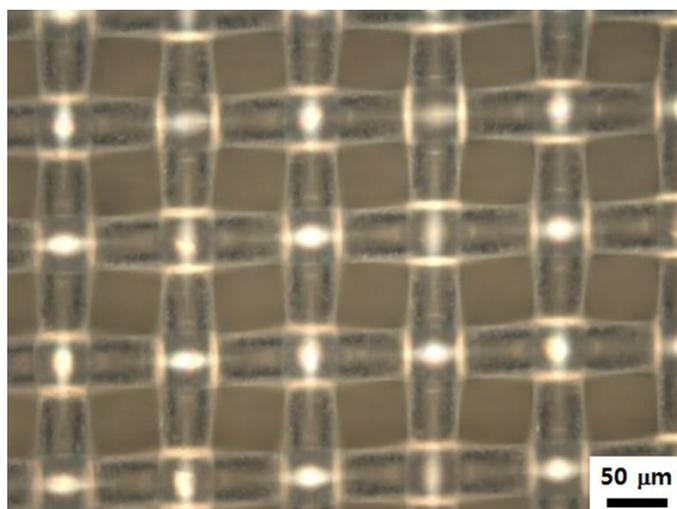
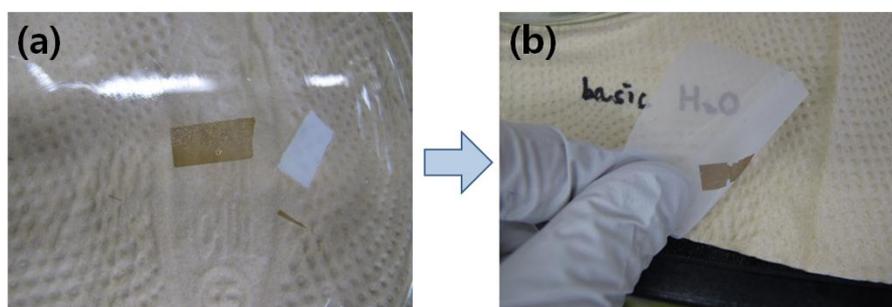


# Supplementary Materials: Flexible Textile-Based Organic Transistors Using Graphene/Ag Nanoparticle Electrode

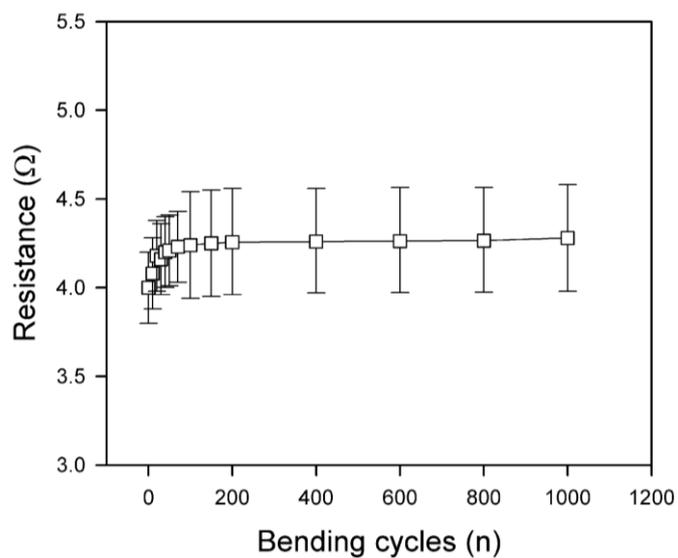
Youn Kim, Yeon Ju Kwon, Kang Eun Lee, Youngseok Oh, Moon-Kwang Um, Dong Gi Seong and Jea Uk Lee



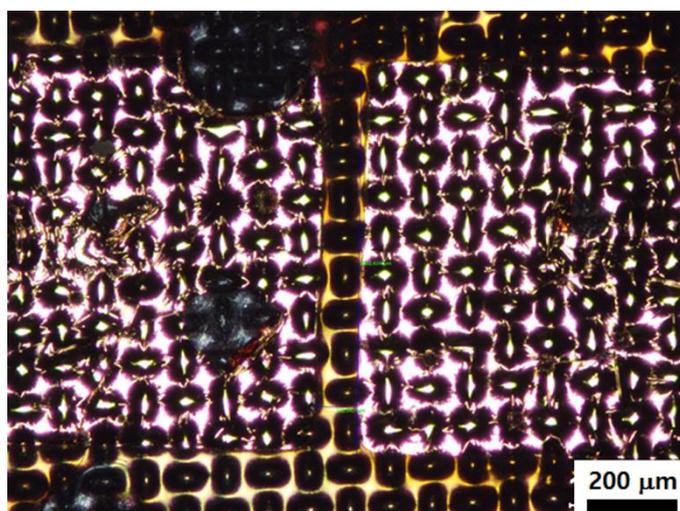
**Figure S1.** Optical microscopy (OM) image of monofilament polyethylene terephthalate (PET) textile.



**Figure S2.** (a) Photographs of (a) floated graphene oxide (GO) film on NaOH solution; and (b) GO film completely combined with PET textile.



**Figure S3.** Electrical resistance change of the reduced graphene oxide/Ag Nanoparticle (rGO/AgNP) composite film on PET textile depending on the bending cycles.



**Figure S4.** OM image of the textile-based transistor device after thermal annealing at 80 °C for 15 min.



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