

Supplementary Information

Water-born foldable polymer solar cells: one-step transferring free-standing polymer films onto woven fabric electrodes

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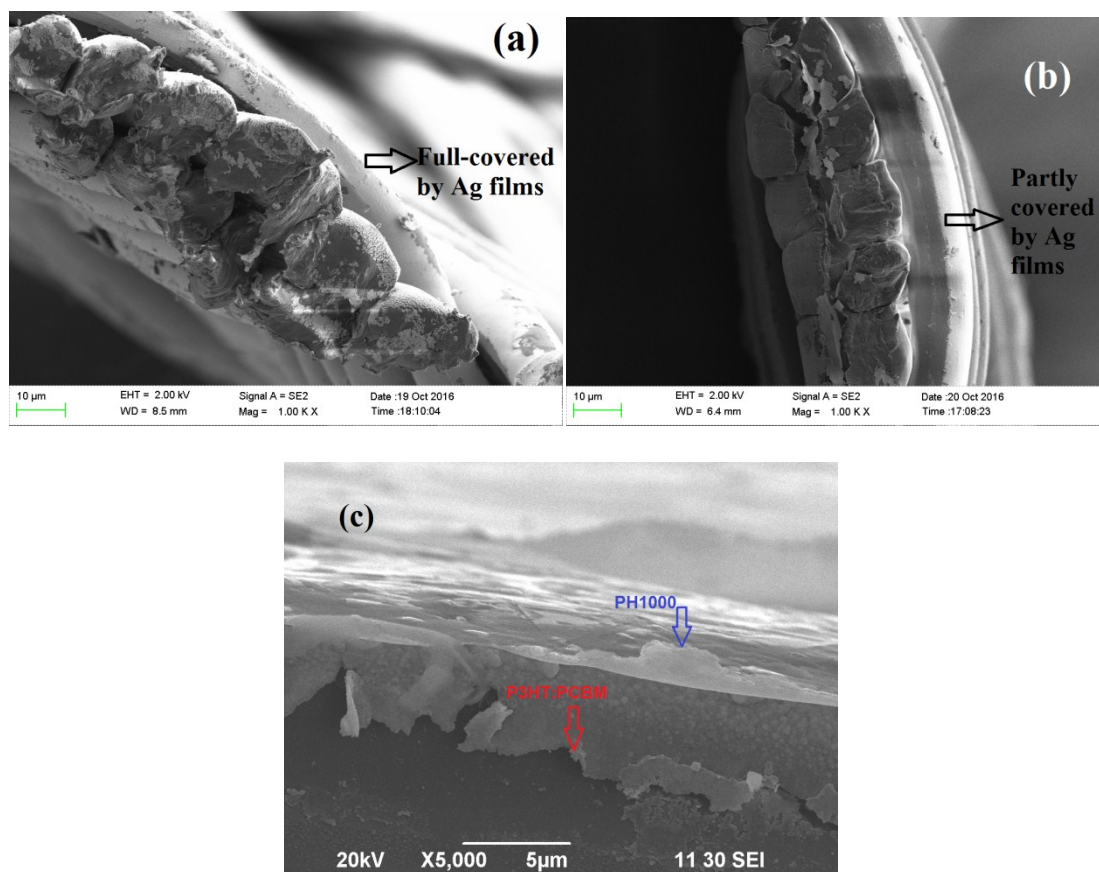


Figure S1 Cross-sectional SEM images of (a) Ag electrodes fabricated on fabric A by PAMD; (b) Ag electrodes fabricated on fabric A by vacuum deposition and (c) the PSCs on fabricated on fabric A.

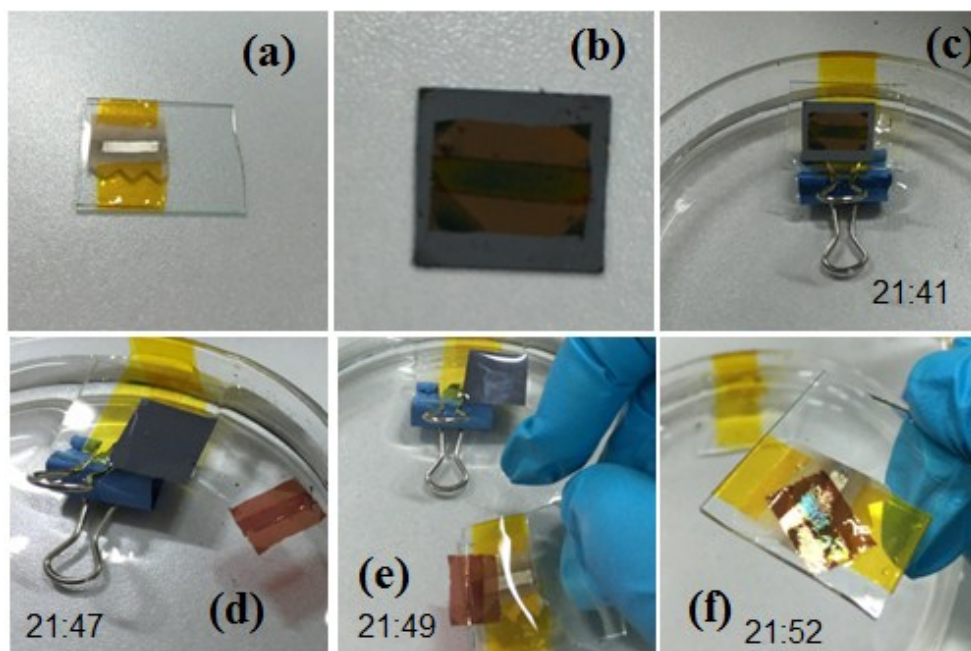


Figure S2 Photographs of wet-transfer process (a) fabric Ag electrode was pasted on a piece of glass; (b) the bi-layer films P3HT:PCBM/PH1000 was pattern by swab; (c) silicon/PSSNa/ P3HT:PCBM /PH1000 was put into water with PH1000 untouched with water; (d) free-standing P3HT:PCBM /PH1000 floated on water surface after PSSNa dissolved into water; (e) and (f) the lamination of fabric Ag electrode with free-standing P3HT:PCBM /PH1000 in water.

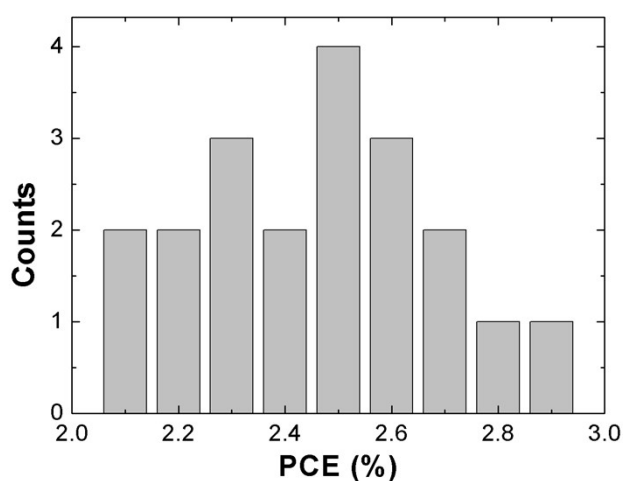


Figure S3 Distribution of the PCEs from 20 PSCs on fabric A.