

Supporting informations

Continuous Production of Uniform Poly(3-hexylthiophene) (P3HT)

Nanofibers by Electrospinning and Their Electrical Properties

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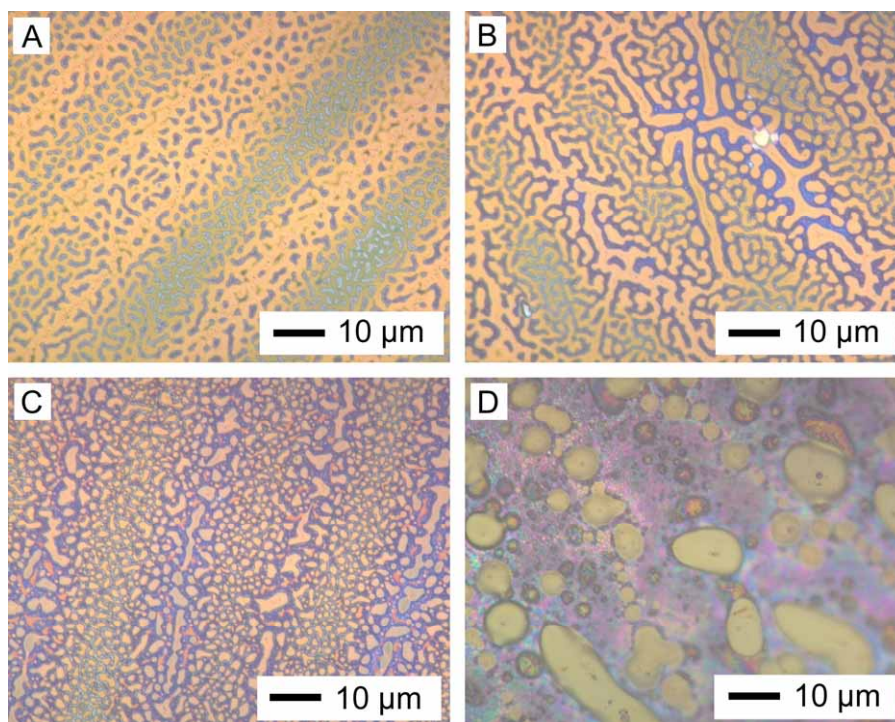


Figure S1. Optical microscope images of spin-coated blend films (P3HT/PCL): (A) P3HT:PCL (80:20, w/w), (B) P3HT:PCL (70:30, w/w), (C) P3HT:PCL (60:40, w/w), and (D) P3HT:PCL (50:50, w/w). Orange parts and blue parts correspond to P3HT and PCL phases.

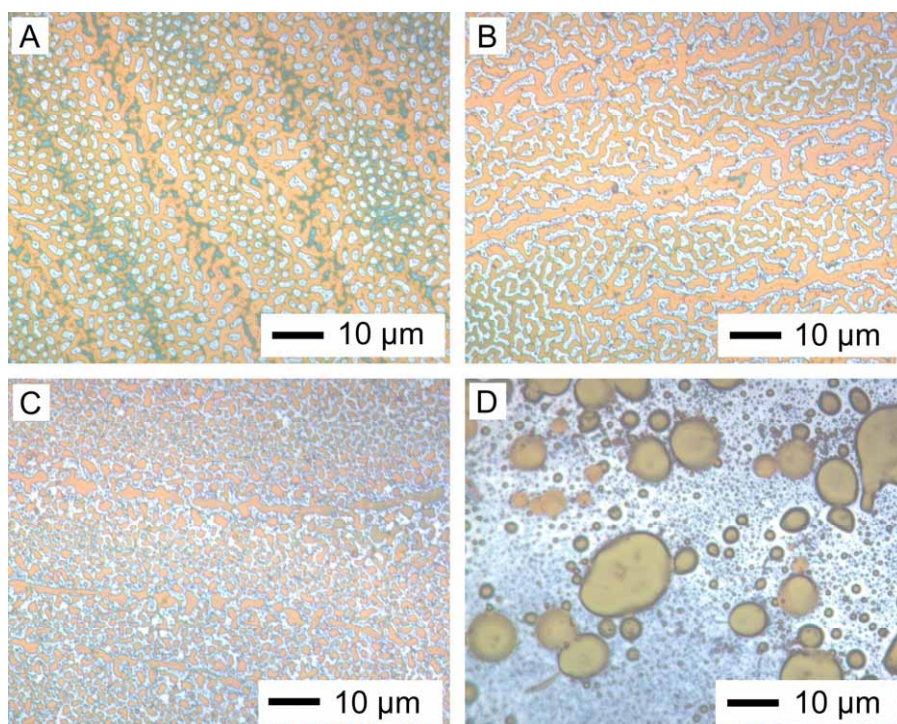


Figure S2. Optical microscope images of spin-coated blend films (P3HT/PCL) taken after selectively removing PCL: (A) P3HT:PCL (80:20, w/w), (B) P3HT:PCL (70:30, w/w), (C) P3HT:PCL (60:40, w/w), and (D) P3HT:PCL (50:50, w/w). White parts correspond to wafer surface exposed after PCL removal.

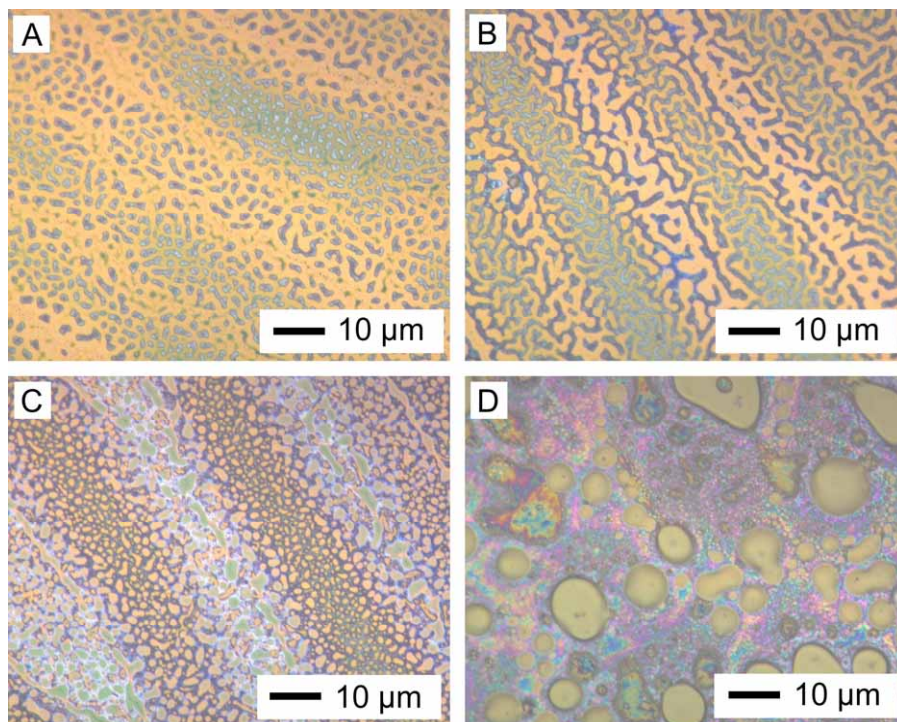


Figure S3. Optical microscope images of spin-coated blend films (P3HT/PCL) taken after annealing at 120°C for 2 h: (A) P3HT:PCL (80:20, w/w), (B) P3HT:PCL (70:30, w/w), (C) P3HT:PCL (60:40, w/w), and (D) P3HT:PCL (50:50, w/w). Orange parts and blue parts correspond to P3HT and PCL phases.

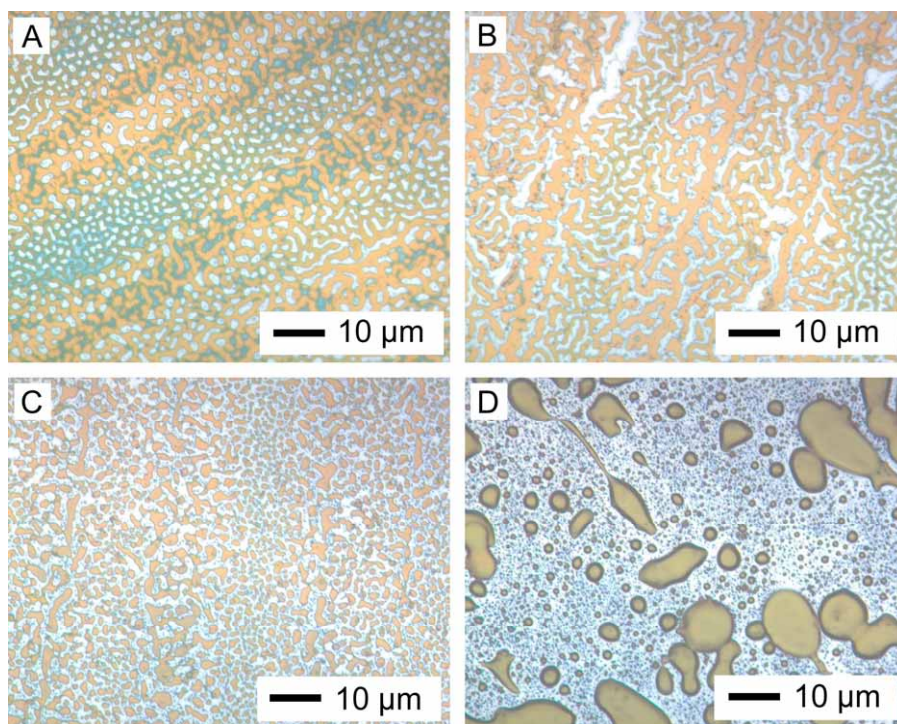


Figure S4. Optical microscope images of annealed blend films (P3HT/PCL) taken after removing PCL in TFE: (A) P3HT:PCL (80:20, w/w), (B) P3HT:PCL (70:30, w/w), (C) P3HT:PCL (60:40, w/w), and (D) P3HT:PCL (50:50, w/w). Orange parts and white parts correspond to P3HT and PCL phases.

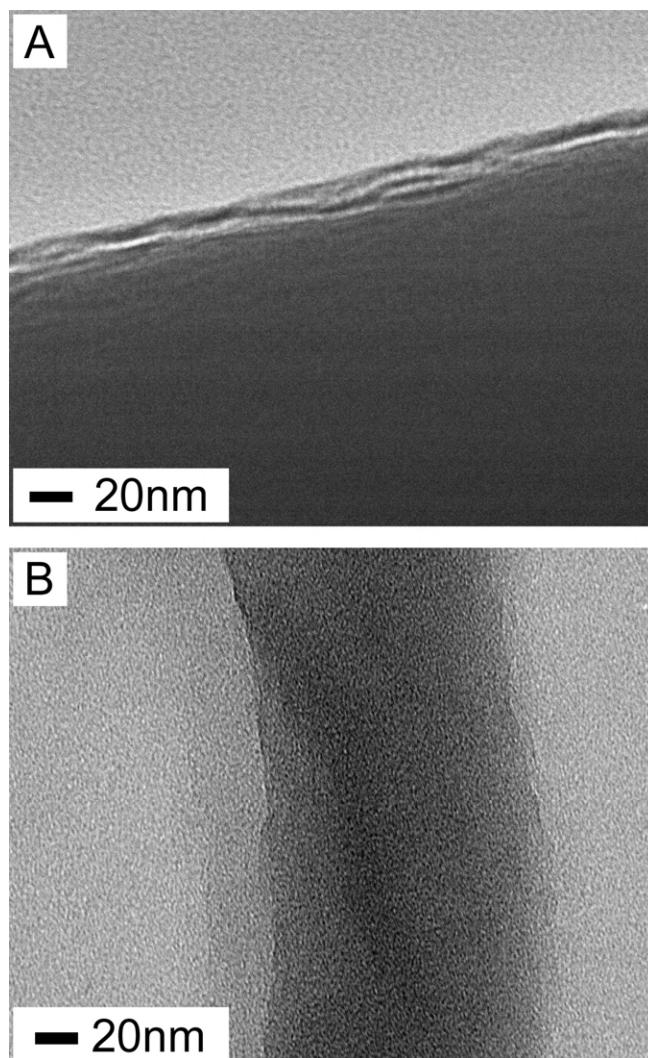


Figure S5. High resolution TEM images of (A) pure P3HT and (B) P3HT:PCL (20:80, w/w) blend fibers