

Efficient Synthesis of PVDF/PI Side-by-Side Bicomponent Nanofiber Membrane with Enhanced Mechanical Strength and Good Thermal Stability

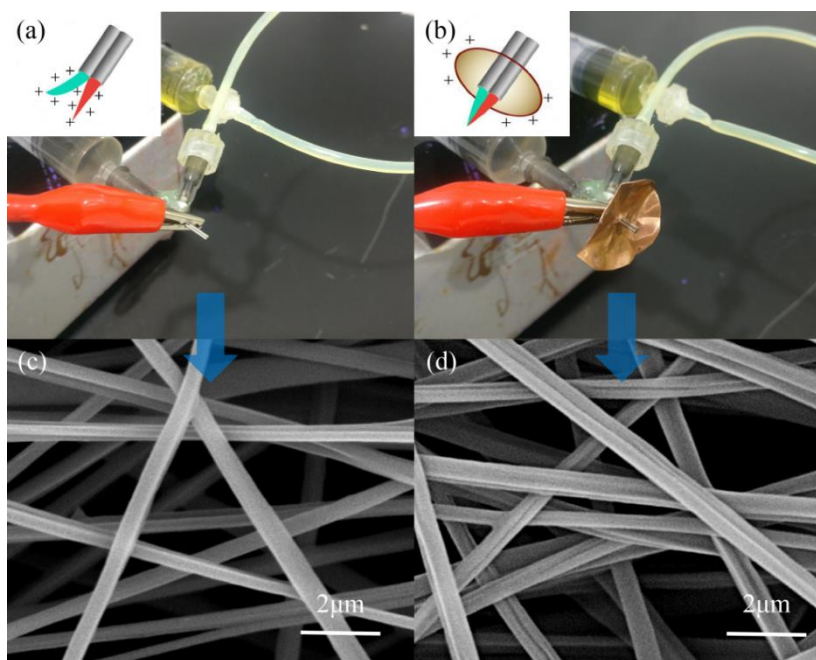


Figure S1. The schematic diagram of the electrospinning device before (a) and after (b) improvement; The corresponding SEM images of PVDF/PI side-by-side fibers before (c) and after (d) improvement.

In order to identify the two components in PVDF/PI side-by-side fibers, fluorescent labeling experiment was introduced. Fluorescein (0.5 wt %) was added to the PVDF solution, which shows intense green fluorescence. And Rhodamine B (0.5 wt %) was put into the PI solution that possess strong red fluorescence. In Figure S2, green PVDF and orange PI can be evidently observed under fluorescence microscope.

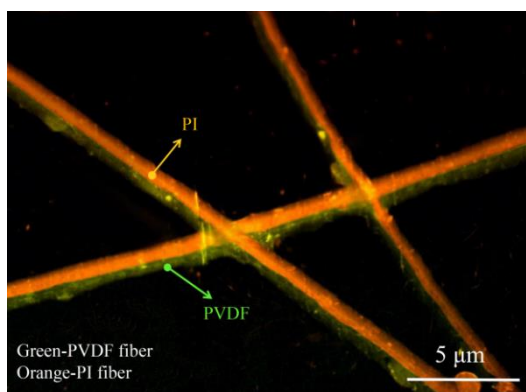


Figure S2. Fluorescence microscopy image: green-PVDF fiber, orange-PI fiber.