Supporting Information

Patterned, highly stretchable and conductive nanofibrous PANI/PVDF strain sensors based on electrospinning and in situ polymerization

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1. Image of patterned PANI/PVDF membrane and unwoven PANI/PVDF membrane under different strains.

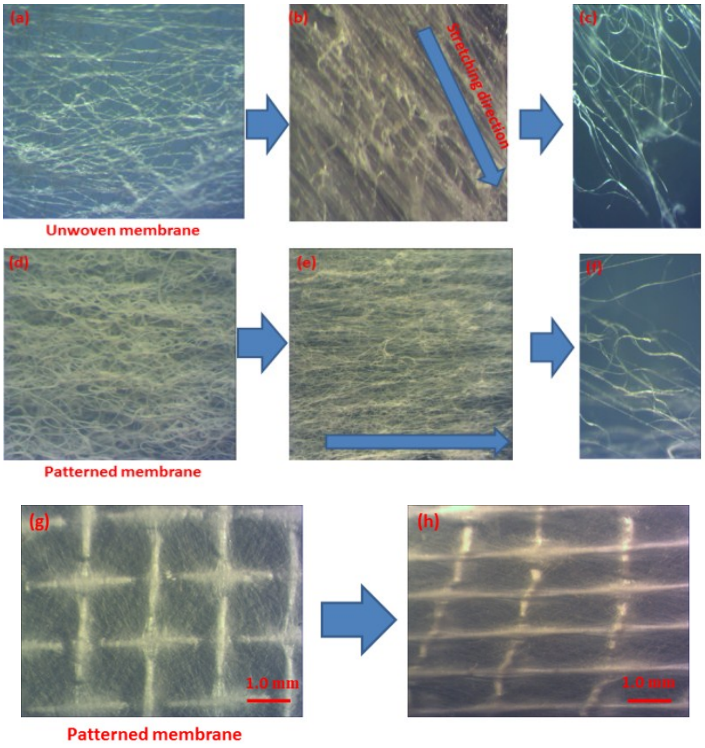

Figure S1 a) Optical image of unwoven membrane without strain; b) image of unwoven membrane under about 10% strain; c) image of unwoven membrane in the point of break. d) Optical image of patterned unwoven membrane without strain; e) image of patterned membrane under about 20% strain; f) image of patterned membrane in the point of break; g) image of patterned membrane under 0 % strain; h) image of patterned membrane under about 40% strain.

2. Stress-stain characteristic of patterned PANI/PVDF membrane and unwoven PANI/PVDF membrane.

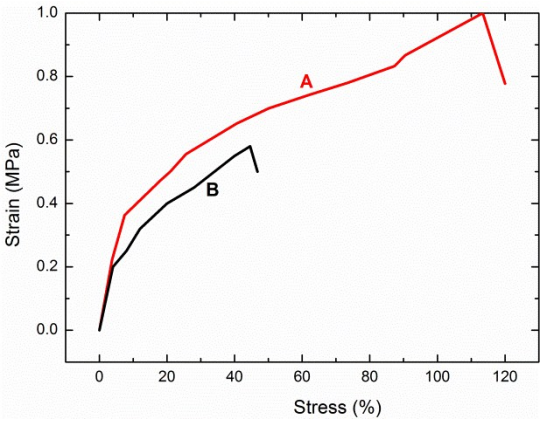

Figure S2 Stress-strain curve for patterned PANI/PVDF membrane (A); unwoven PANI/PVDF membrane (B).