

## Supporting Information

### Filling the holes in piezopolymer with solid electrolyte: a new paradigm of poling-free dynamic electret for energy harvesting

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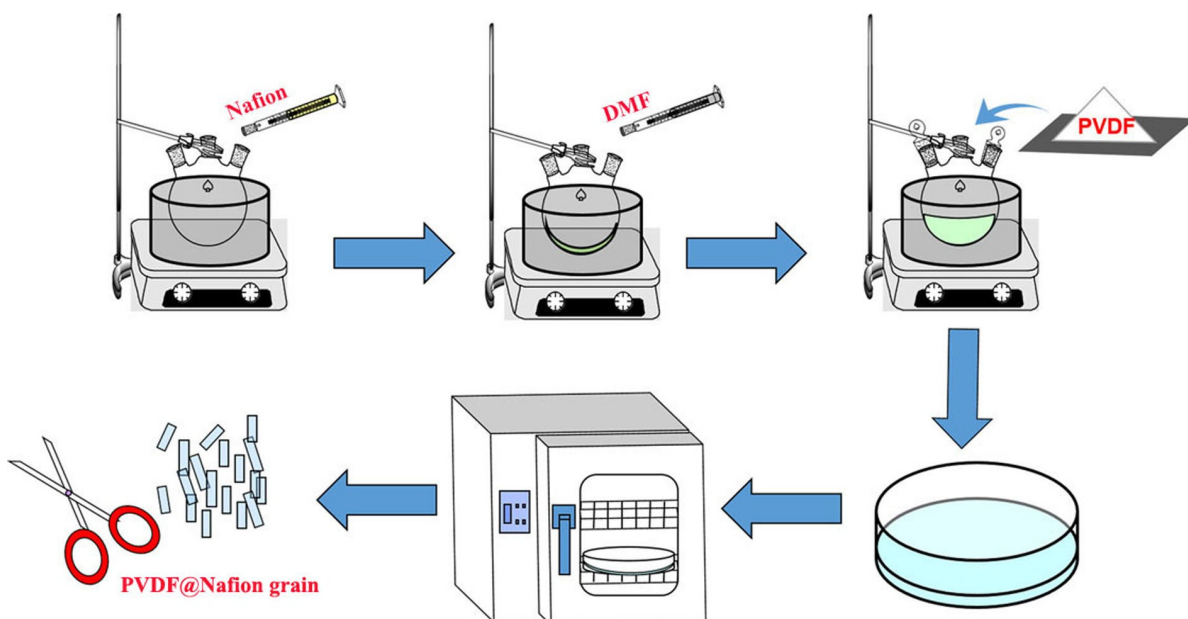
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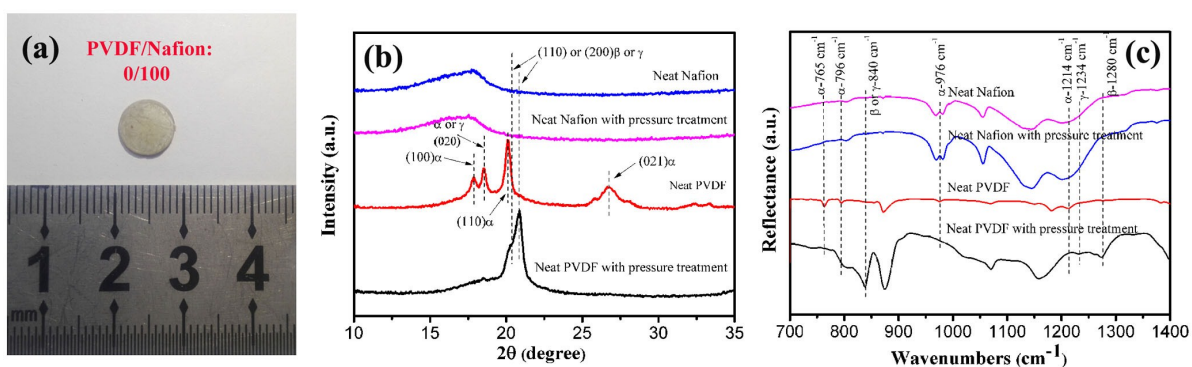
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**Fig. S1.** Schematic illustration of the mixing process of PVDF and Nafion.



**Fig. S2.** Digital picture of the pressure treated pure Nafion sample (a), and DSC (b) and WAXD (c) results for the original neat Nafion and PVDF, both before and after the applied high pressure treatment, respectively. High pressure experimental conditions: 400 MPa, 260 °C for 10 min.