

Supporting Information

A High-pressure Resistant Ternary Network Hydrogel based Flexible Strain Sensor with Uniaxially Oriented Porous Structure towards Gait Detection

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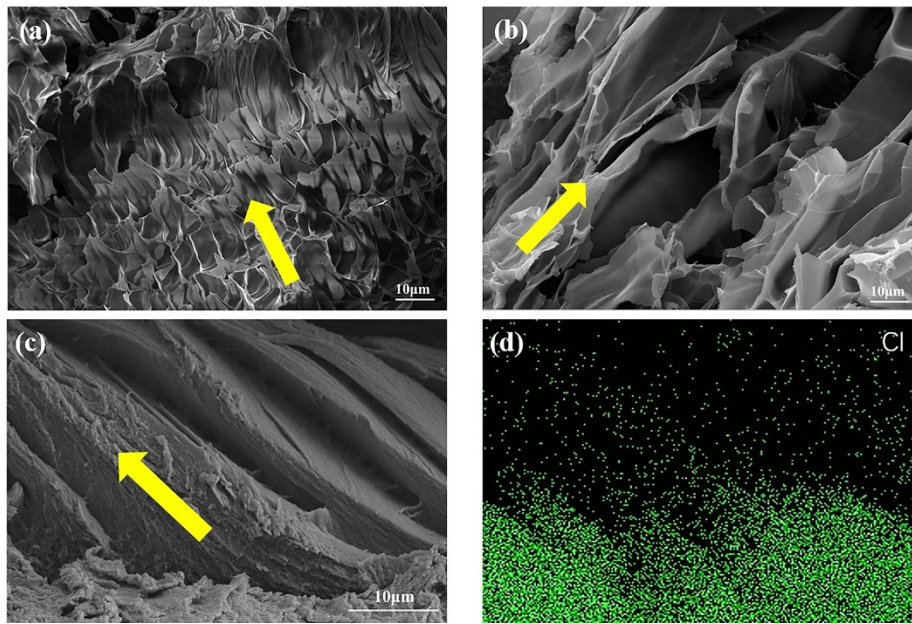


Fig. S1. Micromorphology of hydrogel: SEM of PVA-PAA hydrogel with freeze-thaw method (a); SEM of PANI@PVA-PAA hydrogel (b); SEM of PANI@(PVA-PAA) hydrogel (c); Elemental mapping images of Cl analyzed by EDS (d).

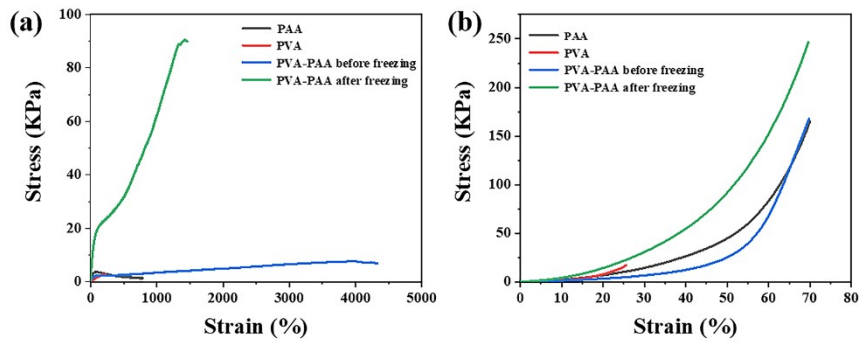


Fig. S2. Mechanical properties of four types of hydrogels: PAA hydrogel, PVA hydrogel and PVA-PAA hydrogel without or with freeze-thaw treatment. Tensile stress-strain curve (a); Compressive stress-strain curve (b).

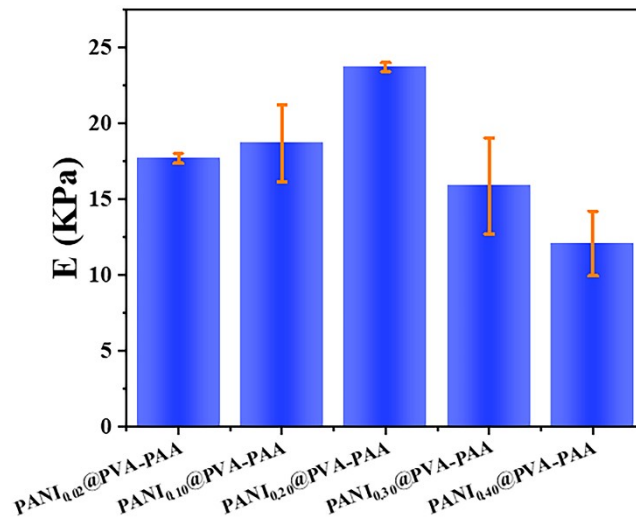


Fig. S3. Average modulus of hydrogels at different aniline concentrations.