

Supplementary Information

Ultra-stretchable and healable hydrogel-based triboelectric nanogenerators for energy harvesting and self-powered sensing

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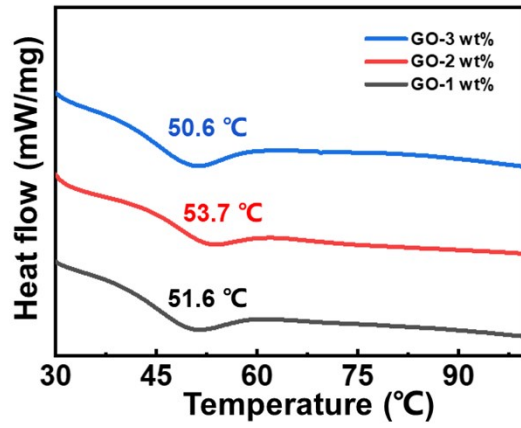


Fig. S1. DSC curves of the of hydrogels with different contents of GO.

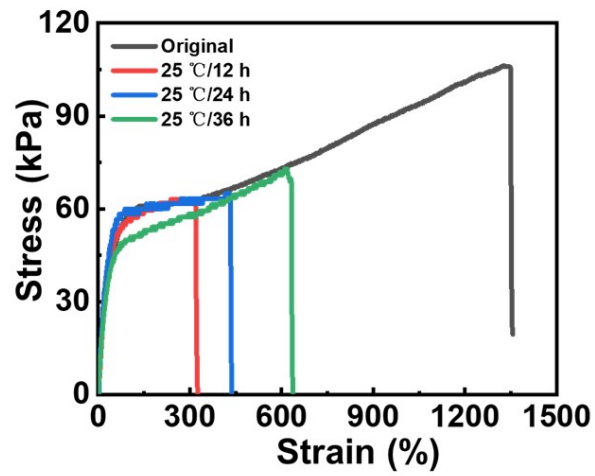


Fig. S2. Stress–strain curves of original and healed hydrogels under different healing times at 25 °C.

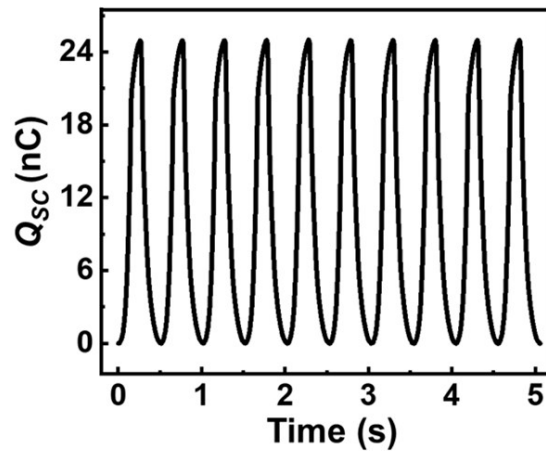


Fig. S3. Short-circuit charge quantity Q_{sc} of the TENG.

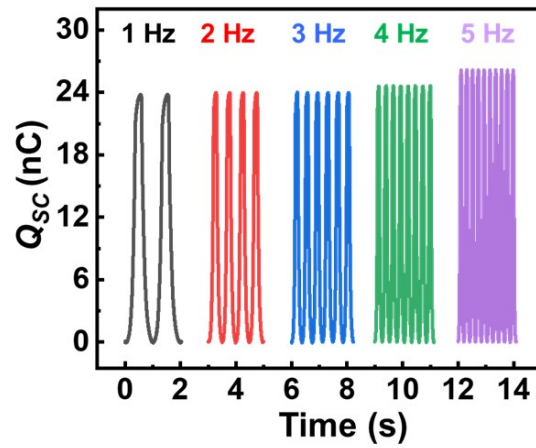


Fig. S4. I_{SC} of the TENG under different driven frequency from 1 to 5 Hz.

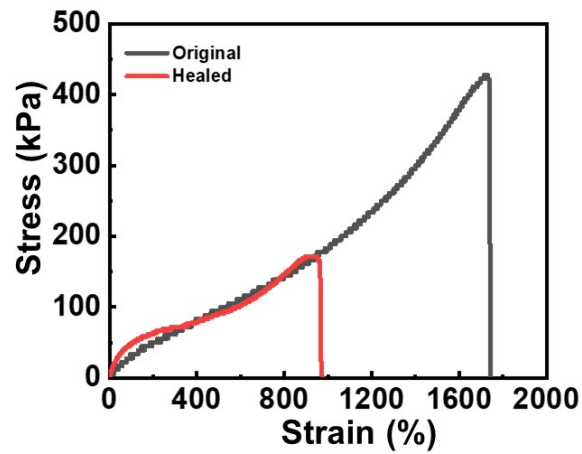


Fig. S5. Stress-strain curves of the pristine VHB film and after attaching two cut pieces together in 1 min.

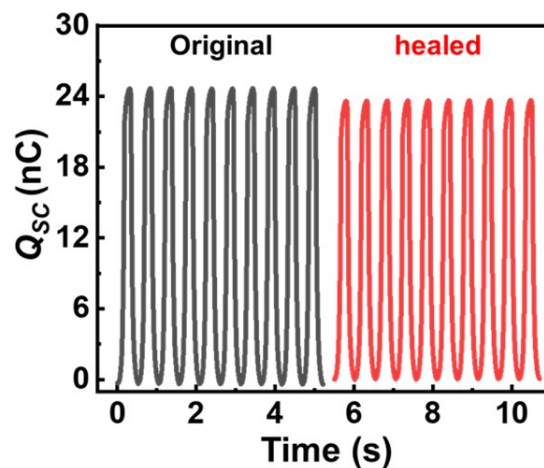


Fig. S6. Comparison of the Q_{SC} of the TENG before and after self-healing.

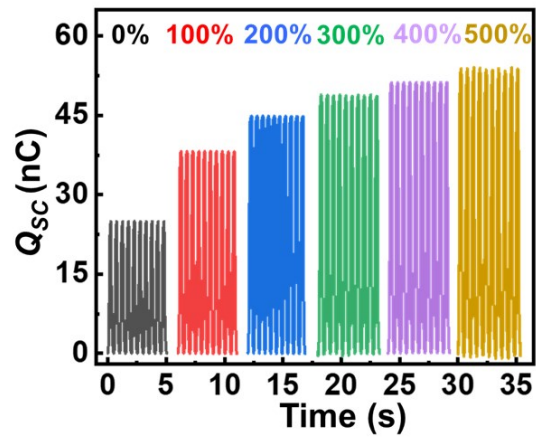


Fig. S7. Q_{sc} of the TENG stretched to different strains.