

Supporting Information

An Ultrathin Gas-Permeable Electronic Skin Enable Imperceptible Maxillofacial Electrophysiological Monitoring

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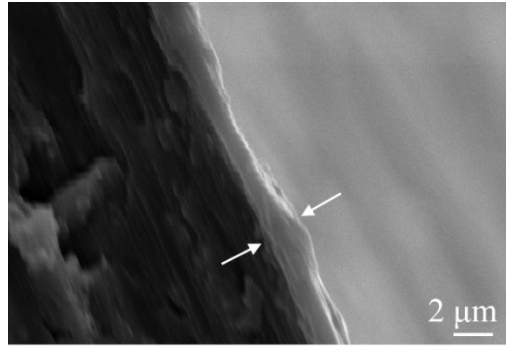


Fig S1. The SEM graph shows the thickness of the STPU, approximately 3 μm .

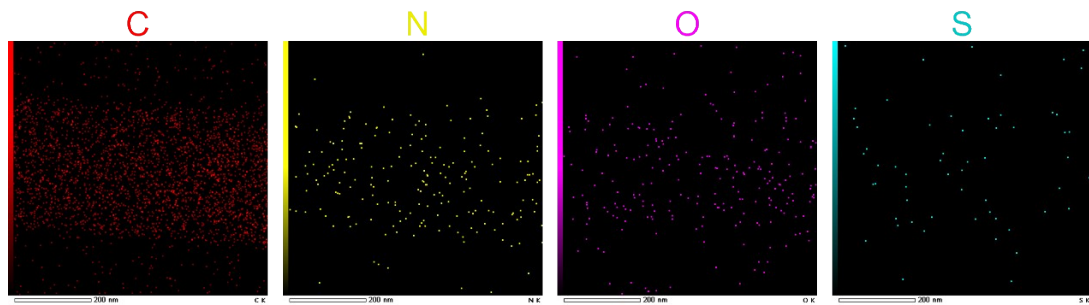


Fig S2. TEM shows the mapping of core-shell structural fibers

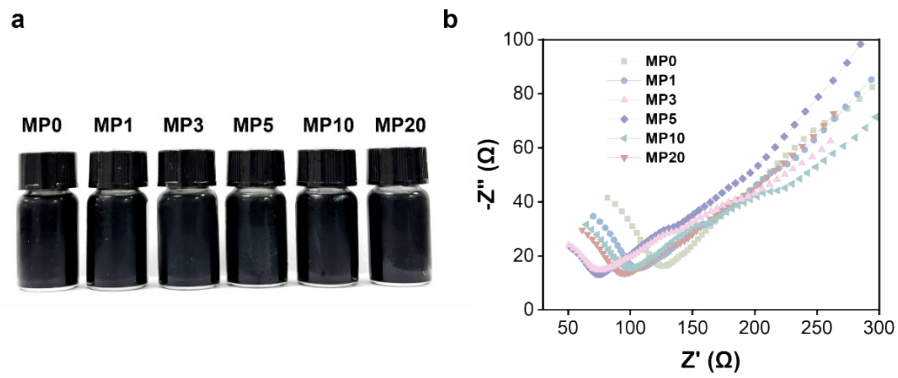


Fig S3. Photos of different concentrations of PEDOT: PSS mixed with MXene, as well as their Nyquist Plot.

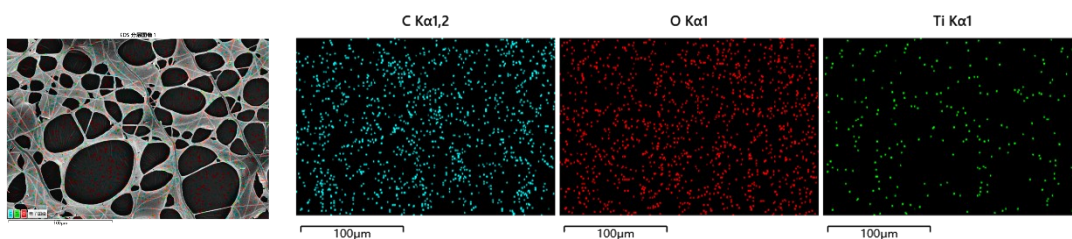


Fig S4. Energy dispersive spectroscopy mapping of C O and Ti elements distribution in MPST shown in the SEM image.

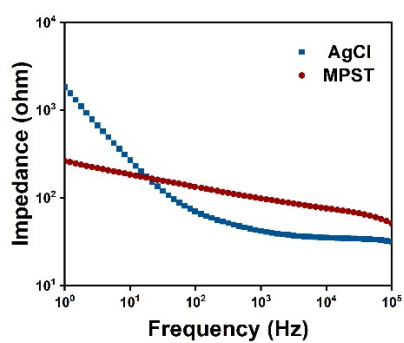


Fig S5. Interfacial impedance between commercial electrodes and MPST.

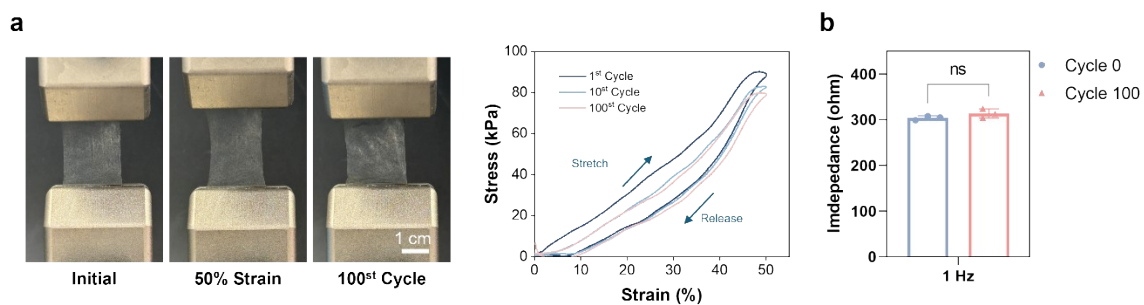


Fig S6. (a) MPST at the beginning-end of the cycle. (b) Impedance of MPST cycled 0 and 100 times at 50% strain.

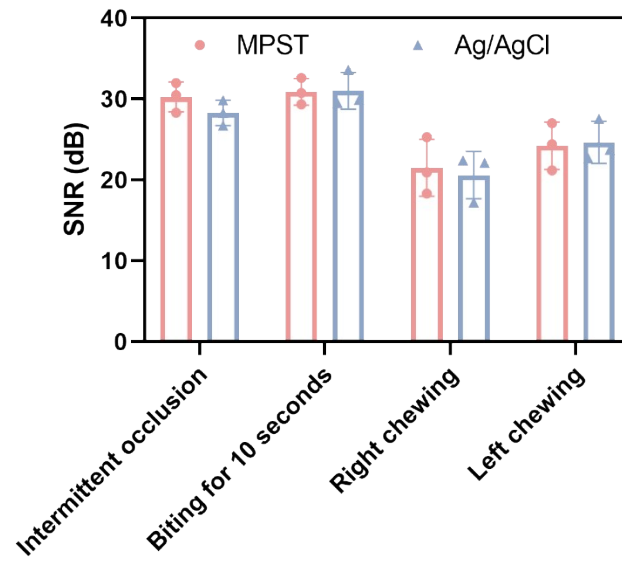


Fig S7. SNR of EMG signals by commercial gel (Ag/AgCl) and MPST in different conditions.