

Supporting information for

Bioinspired wood-like coaxial fibers based on MXene@graphene oxide with superior mechanical and electrical properties

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The SI file includes 9 Figures.

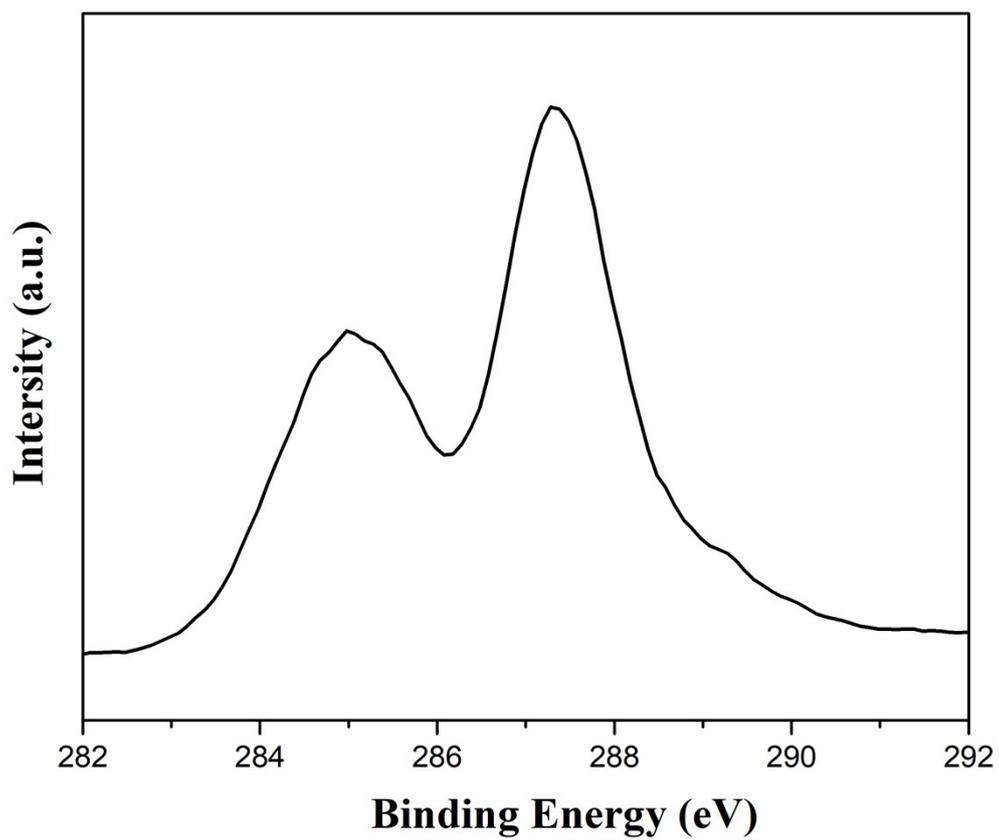


Figure S1. C1s XPS fine spectra of GO.

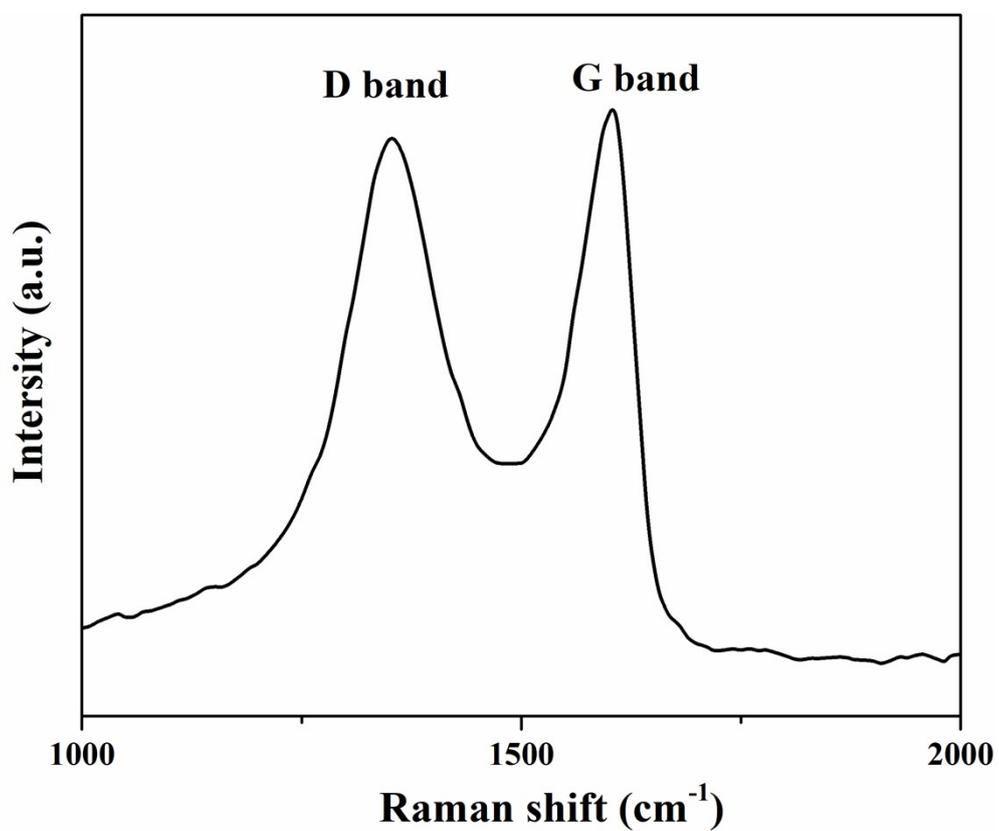


Figure S2. Raman spectra of GO.

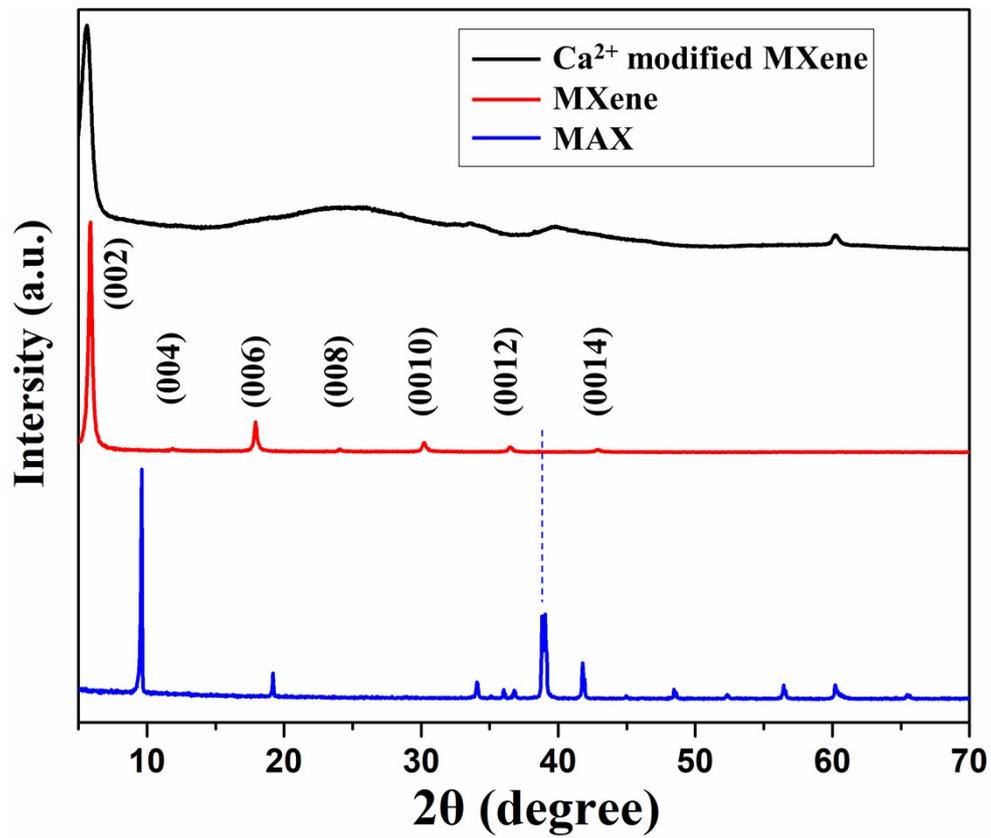


Figure S3. XRD fine spectra of MAX, MXene and Ca²⁺ modified MXene.

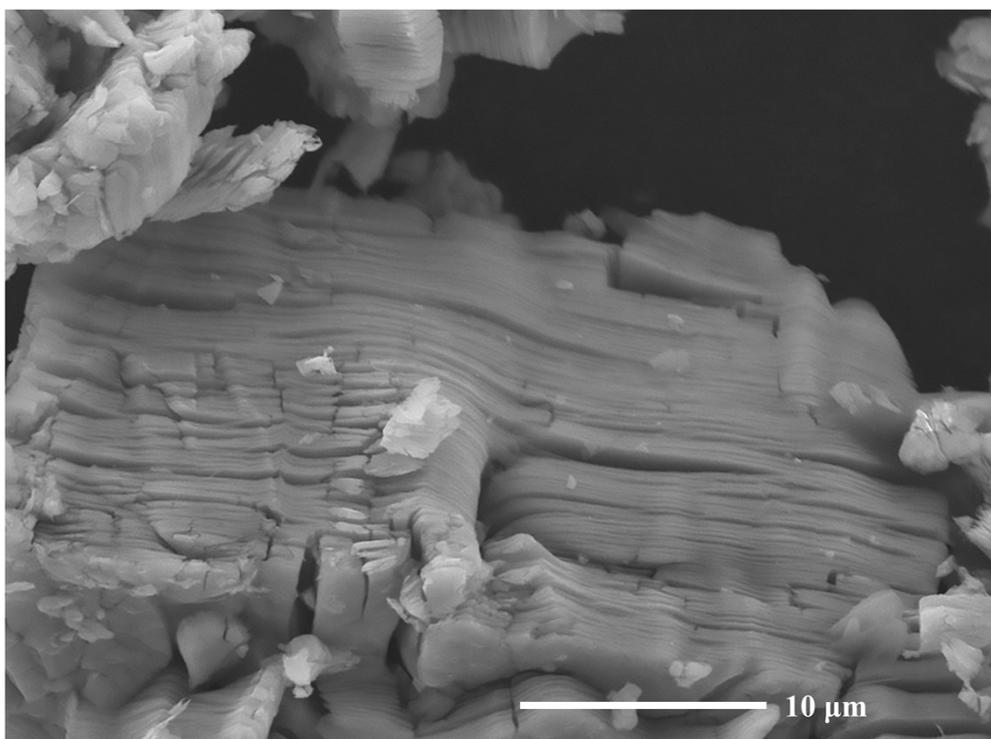


Figure S4. SEM of accordion-like MXene.

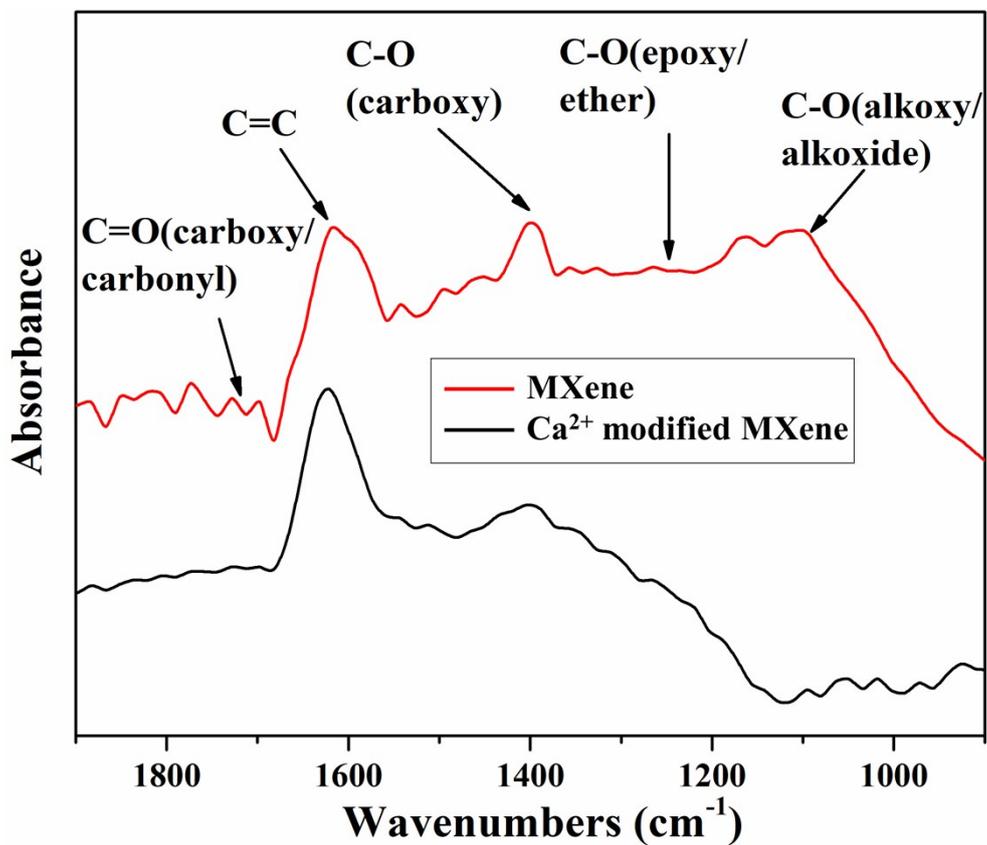


Figure S5. FT-IR spectra of MXene and Ca^{2+} modified MXene.

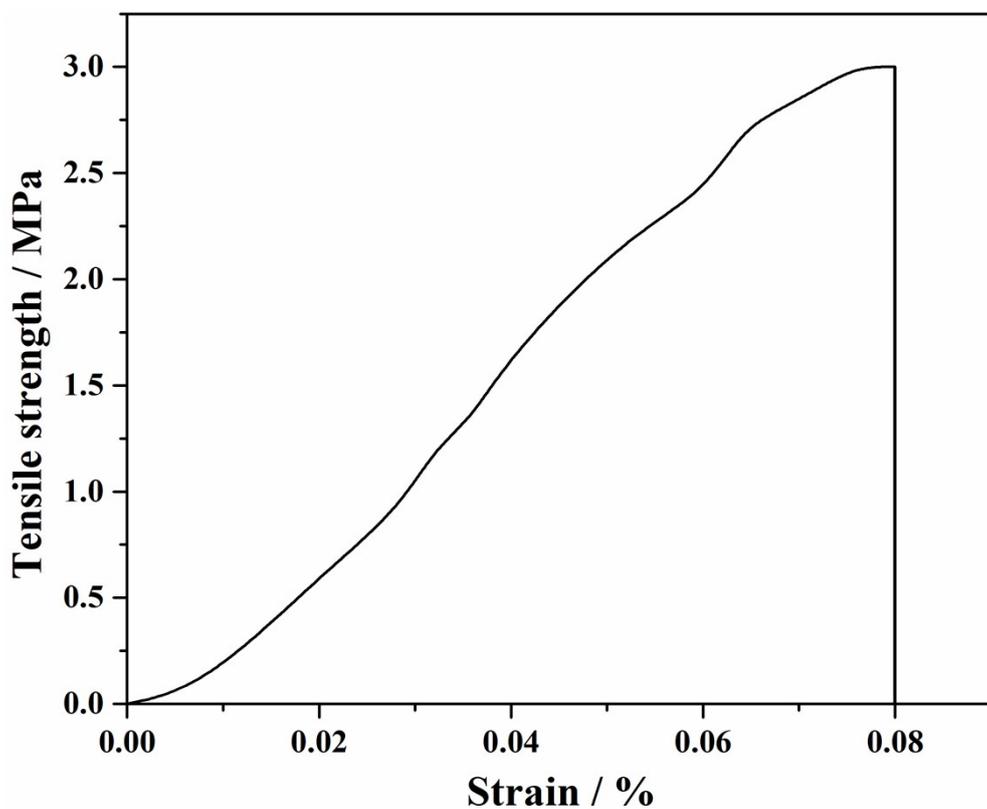


Figure S6. Stress-strain curves of Ca^{2+} modified MXene.

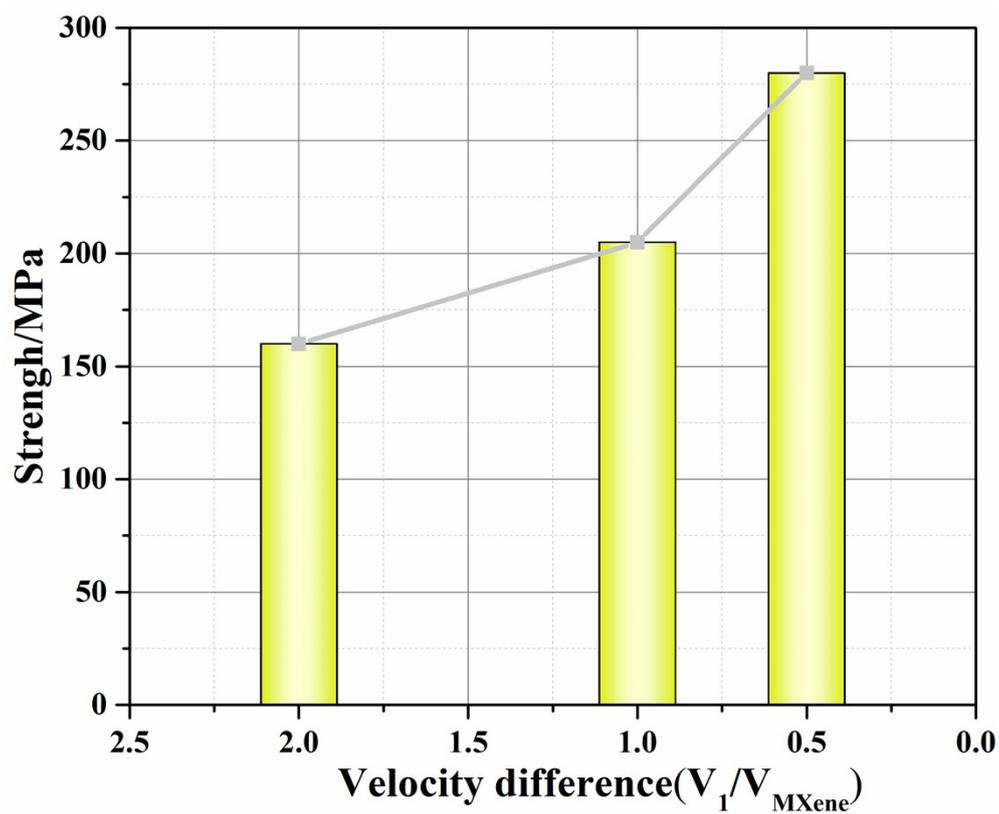


Figure S7. Mechanical properties for MX@GO fiber concerning velocity difference at $4V_1 = V_2$.

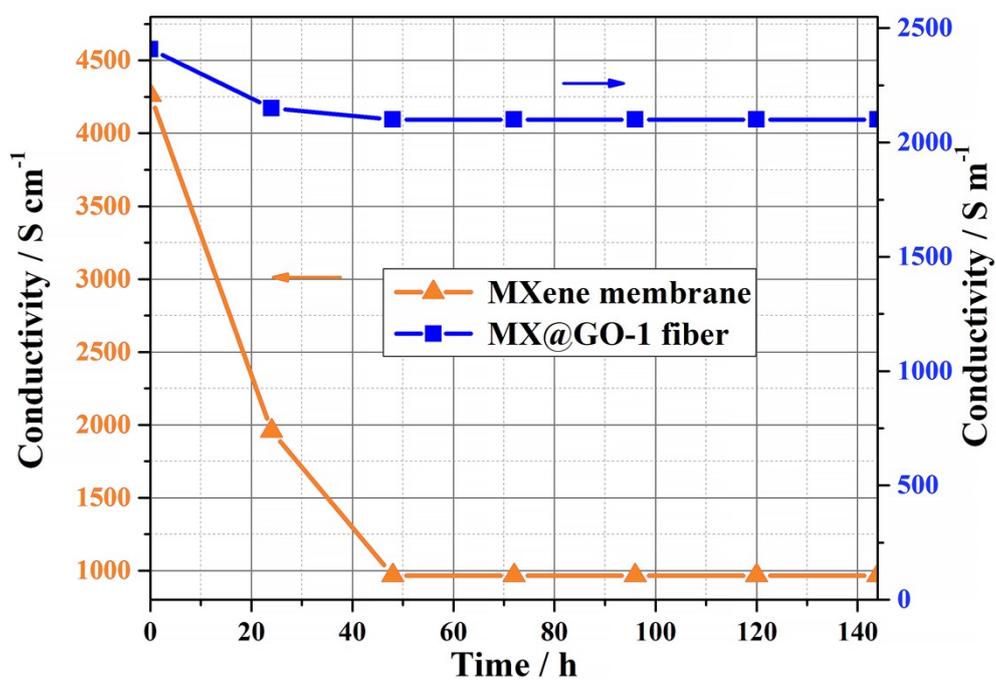


Figure S8. Conductivity of MXene membrane and MX@GO-1 fiber concerning time at 80°C.

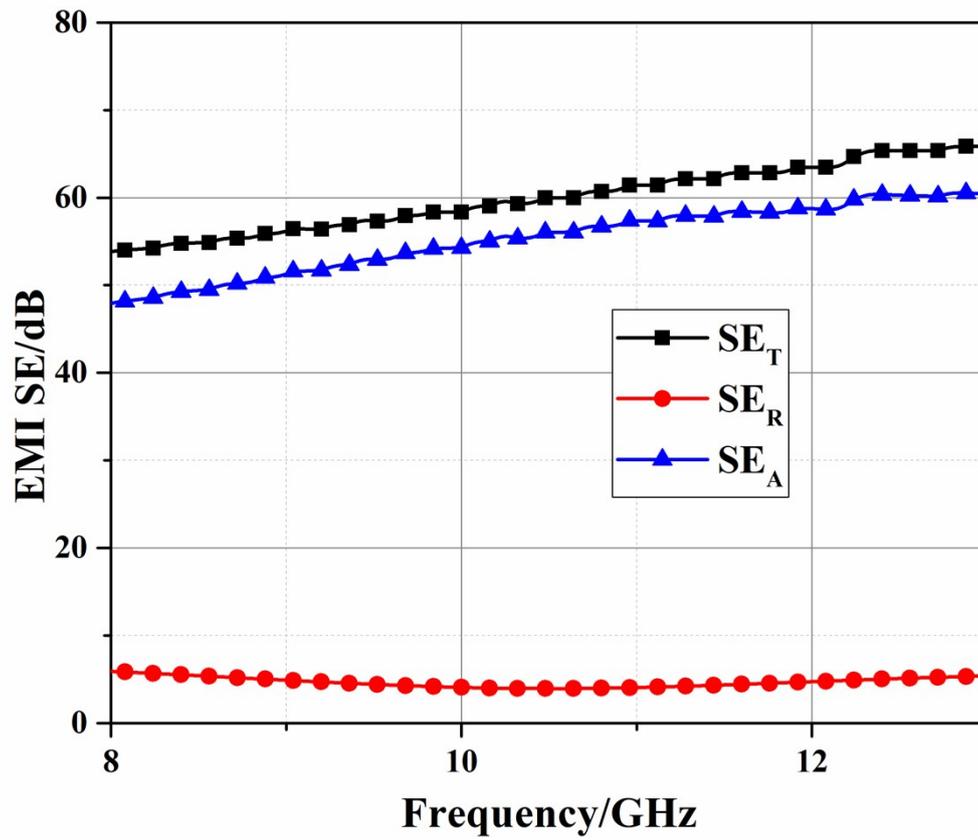


Figure S9. EMI SE of MX/GO-1 in the X-band.