

Supplementary Information

Two-dimensional MXene/MMT composite metafilms with negative permittivity

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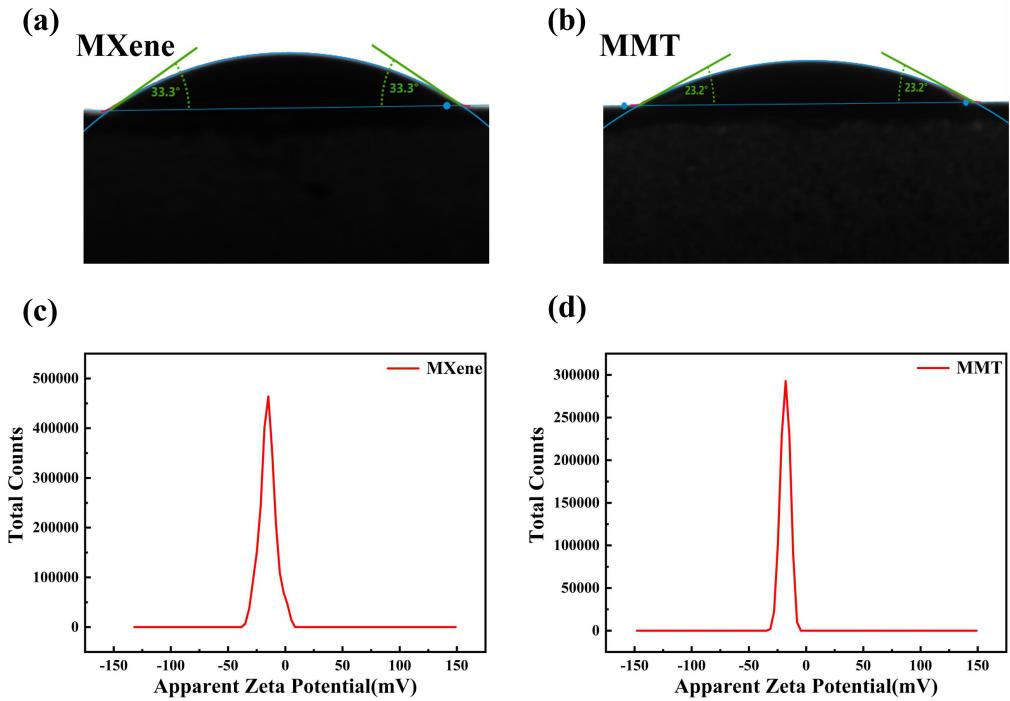


Fig. 1S (a) and (b) are the contact Angle of MXene and MMT films; (c) and (d) are the Zeta potentials of MXene and MMT films.

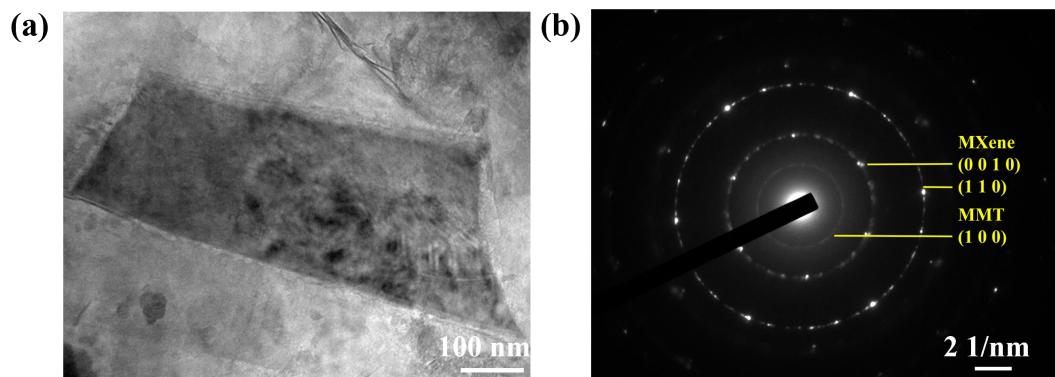


Fig. 2S (a) is TEM image of MXene/MMT composite metafilms; (b) is SAED image of MXene/MMT composite metafilms.

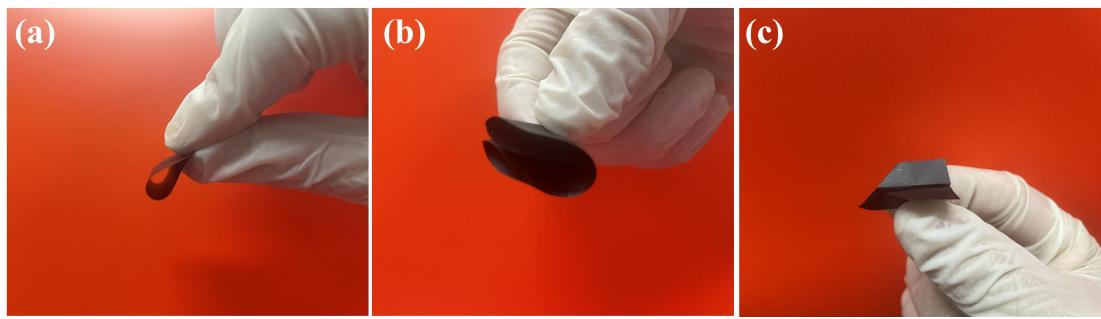


Fig. 3S The MXene/MMT composite metafilms bends once (a), bends twice (b), and folded into a model airplane (c).

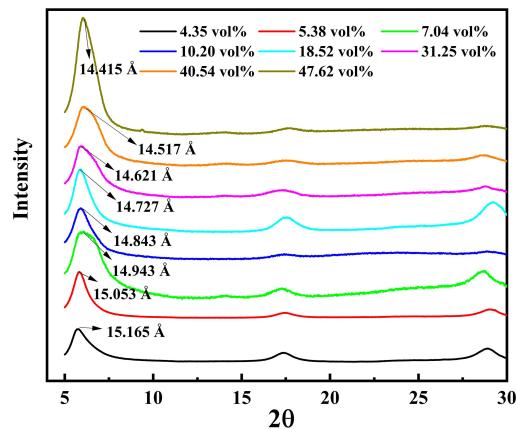


Fig. 4S XRD patterns of MXene/MMT composite metafilms with different MXene volume fraction.

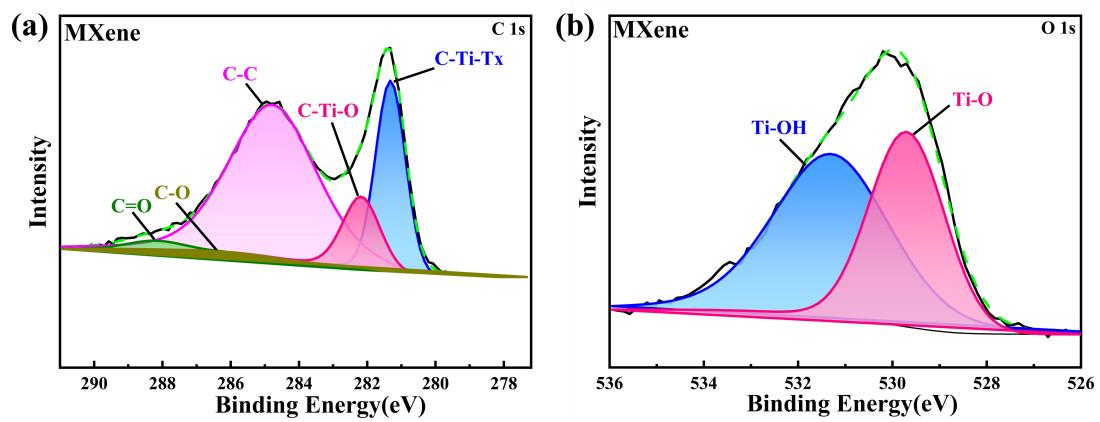


Fig. 5S C 1s spectra (a) of MXene films; O 1s spectra (b) of MXene films.