

Supporting Information for

Sandwich-like Fe&TiO₂@C Nanocomposites Derived from MXene/Fe-MOFs Hybrids for Electromagnetic Absorption

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Supplementary Figures

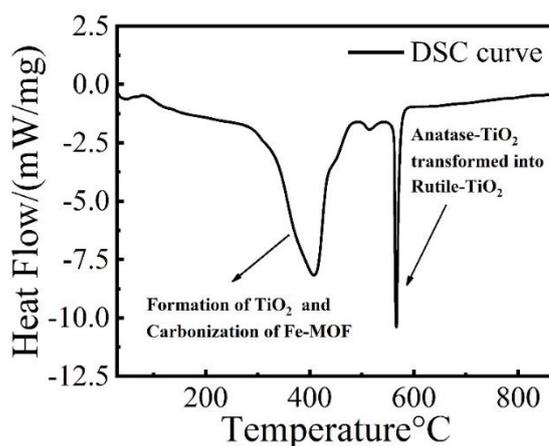


Fig. S1 DSC curve of Ti₃C₂T_x-FeMOF hybrids

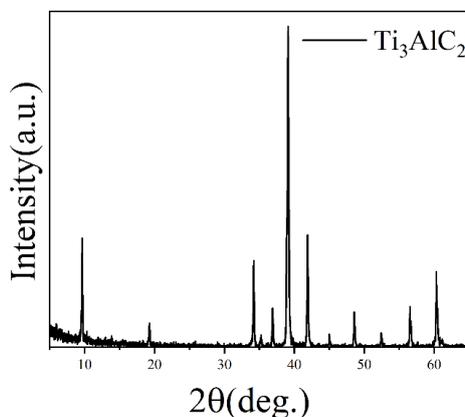


Fig. S2 XRD pattern of Ti₃AlC₂

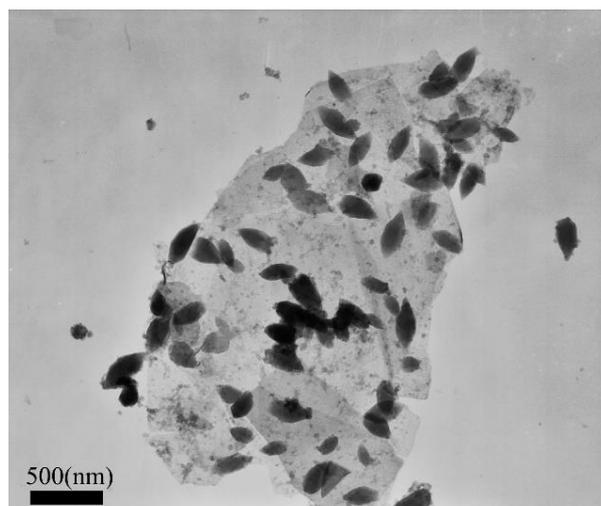


Fig. S3 Morphologies of $Ti_3C_2T_x$ MXene and $Ti_3C_2T_x$ -FeMOF hybrids

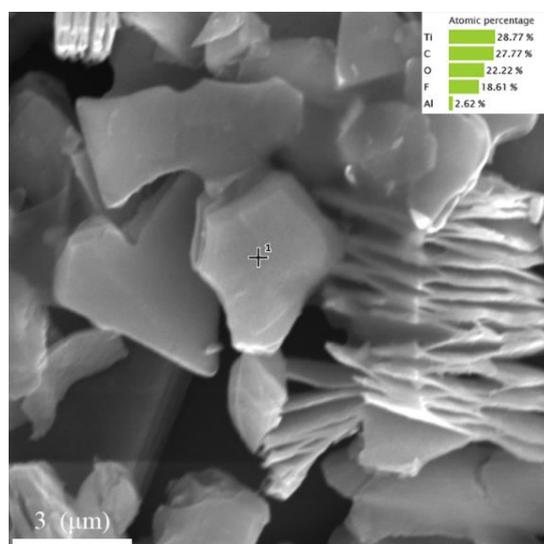


Fig. S4 EDS results of as-prepared $Ti_3C_2T_x$

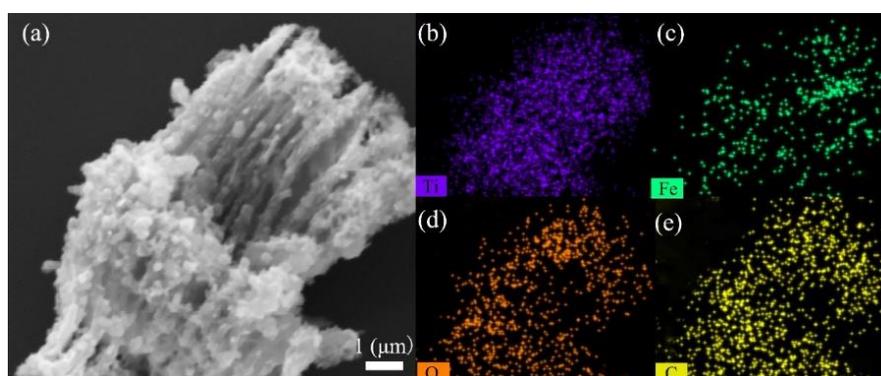


Fig. S5 Element mapping result of S7

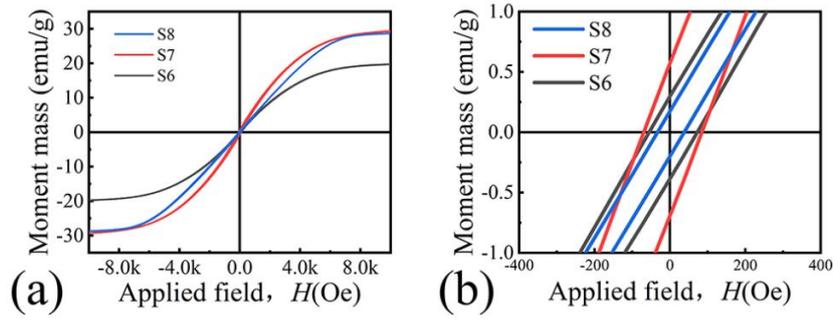


Fig. S6 a, b Magnetic hysteresis loops for S6, S7, and S8

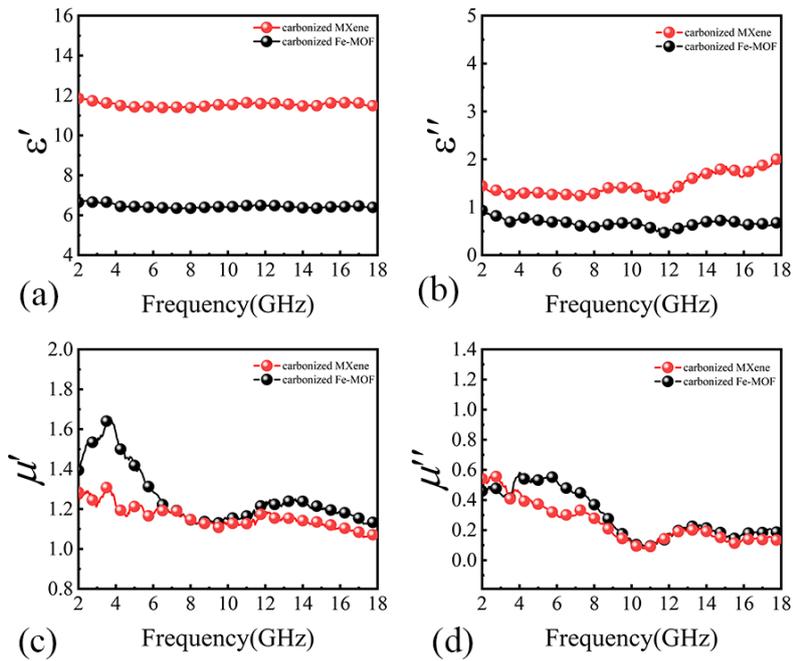


Fig. S7 Frequency dependences of (a) real and (b) imaginary parts of complex permittivity, (c) real and (d) imaginary parts of complex permeability for Fe-MOF and $Ti_3C_2T_x$ after carbonized at 700 °C at the frequency range of 2-18 GHz

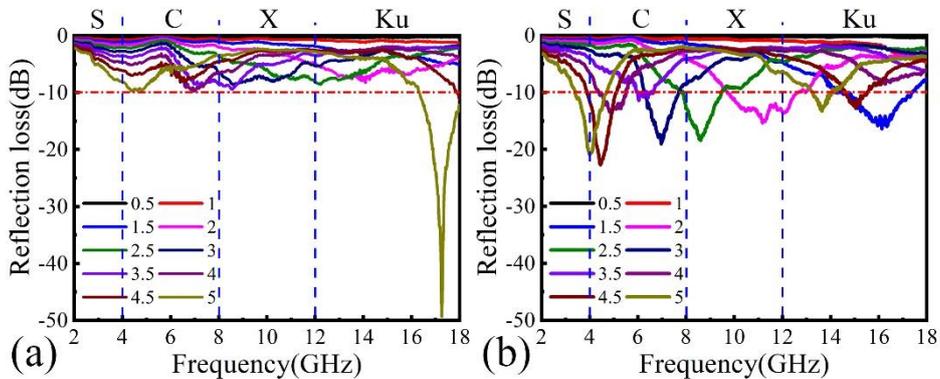


Fig. S8 RL results at different thickness for Fe-MOF (a) and $Ti_3C_2T_x$ (b) after carbonized at 700 °C