Supplementary Material

Electrostatic self-assembled two-dimensional magnetized MXene/hollow Fe_3O_4 nanoparticle hybrids with high electromagnetic absorption performance and improved impendence matching

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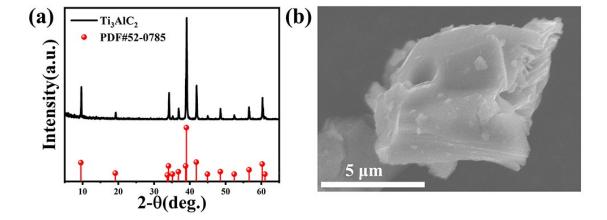


Fig.S1 (a)XRD pattern and (b) SEM image of of Ti₃AlC₂

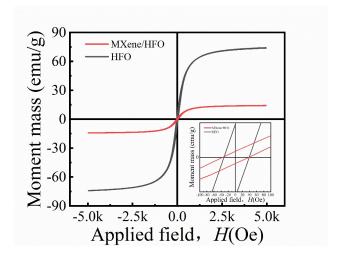


Fig.S2 The magnetic hysteresis loops of HFO and MXene/HFO hybrids

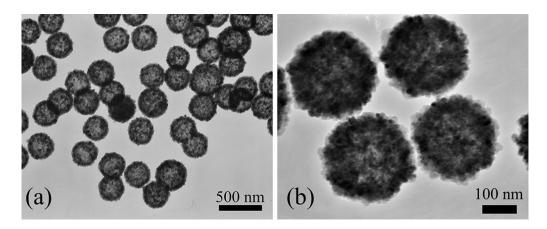


Fig.S3 TEM images for HFO.

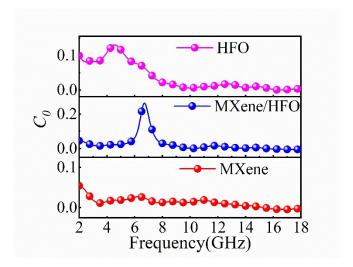


Fig.S4 The C₀ curves of HFO, MXene/HFO hybrids and MXene.

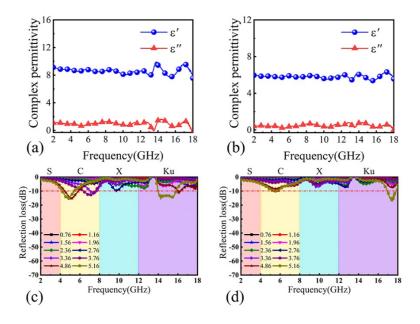


Fig.S5 The ε ' and ε " curves and RL curves for MXene/HFO hybrids with 50 wt% ((a),

(c)) and 75 wt% ((b), (d)) content of HFO.

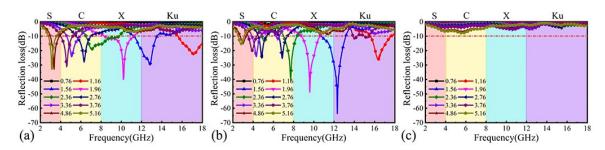


Fig.S6 The RL curves with various thicknesses for MXene (a), MXene/HFO hybrids (b) and HFO(c).