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# Tunable electromagnetic properties of $Ti_3C_2T_x$/rGO foams decorated with NiO particles

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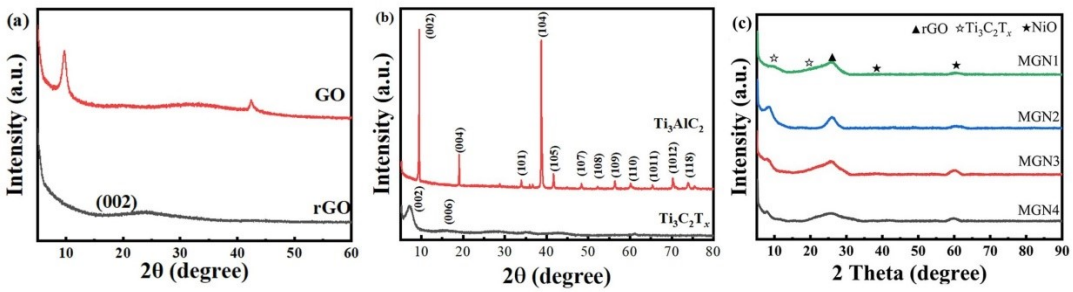


**Figure S1.** XRD patterns of GO, rGO, $Ti_3AlC_2$, $Ti_3C_2T_x$, and $Ti_3C_2T_x$/rGO/NiO composites prepared with varying Ni ions concentrations. In the presence of rGO, MGN1, MGN2, MGN3, and MGN4 are labeled for the sample at the weight ratio of $Ti_3C_2T_x$ to NiO of 2:1, 1:1, 1:2, and 1:3, respectively.

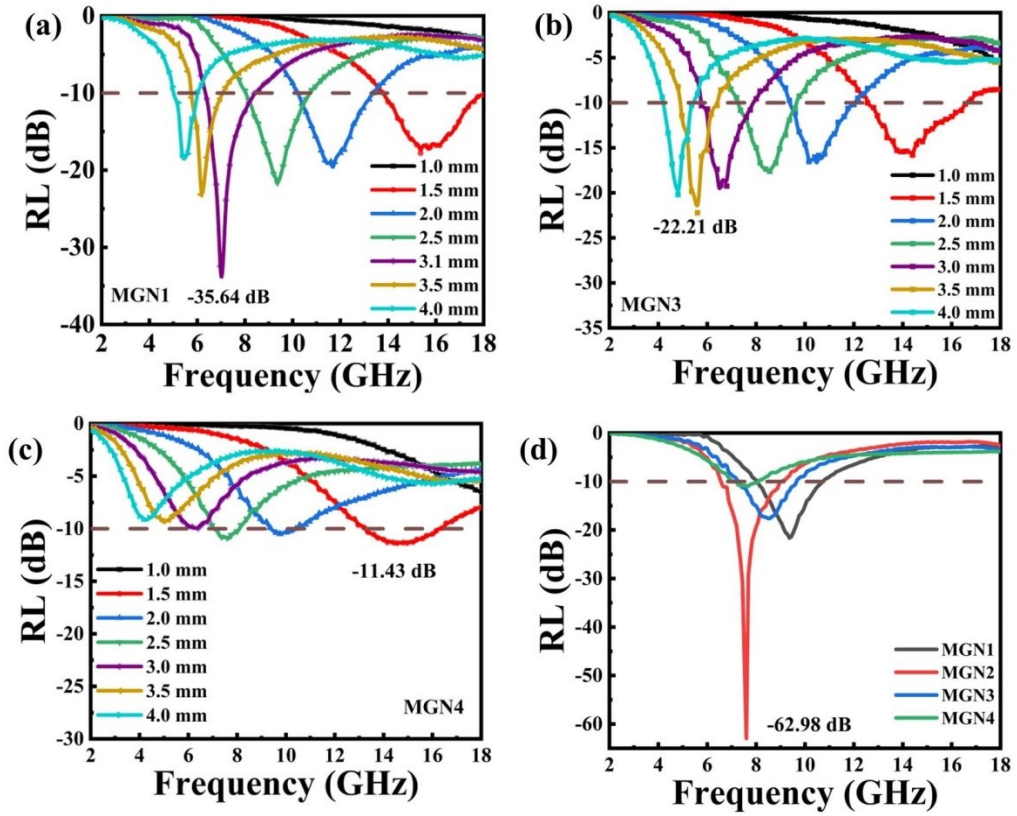


**Figure S2.** Reflection loss (RL) values of $Ti_3C_2T_x$/rGO/NiO composites at different thicknesses: (a) MGN1, (b) MGN3, (c) MGN4, (d) comparative curves of MGN1-4.