

Supporting Information

Core@shell structured flower-like $\text{Co}_{0.6}\text{Fe}_{2.4}\text{O}_4$ @ MoS_2 nanocomposites: a strong absorption and broadband electromagnetic wave absorber

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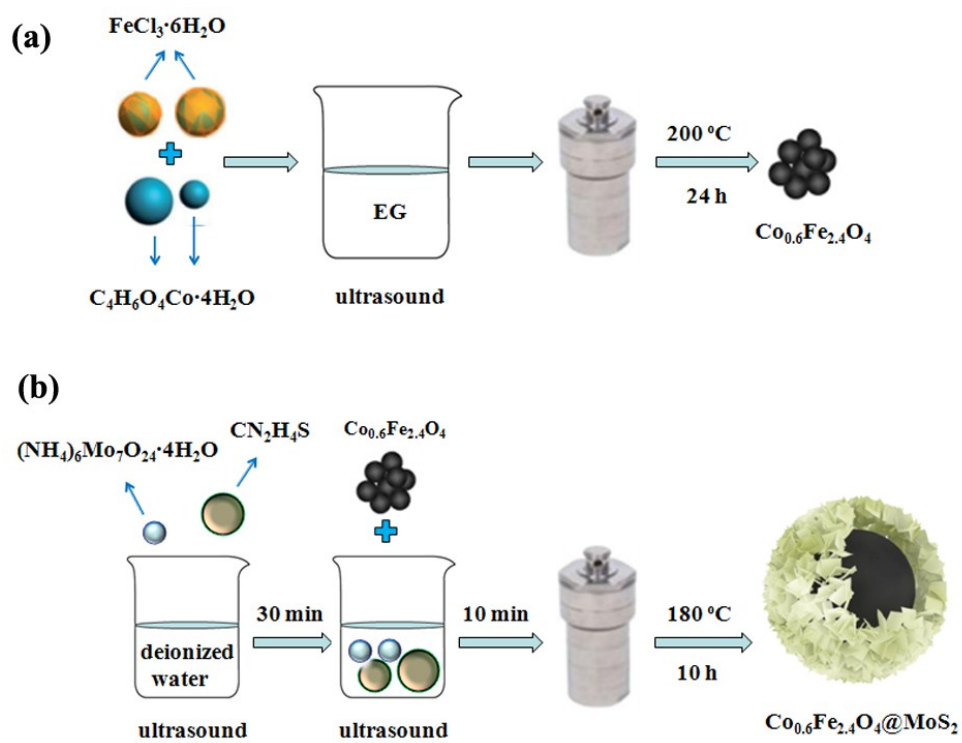


Figure S1. Schematic illustration of production process for the as-prepared $\text{Co}_{0.6}\text{Fe}_{2.4}\text{O}_4$ and $\text{Co}_{0.6}\text{Fe}_{2.4}\text{O}_4 @ \text{MoS}_2$.

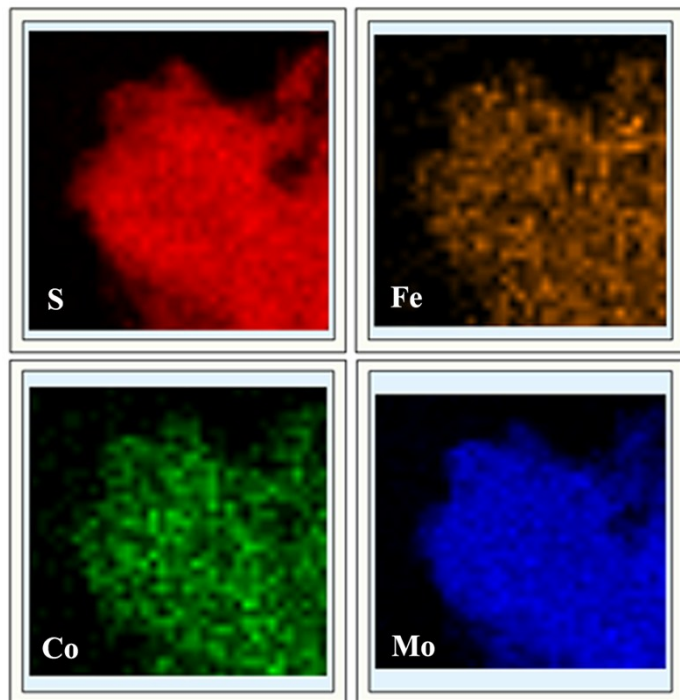


Figure S2. EDX elemental maps of the obtained $\text{Co}_{0.6}\text{Fe}_{2.4}\text{O}_4 @ \text{MoS}_2$.

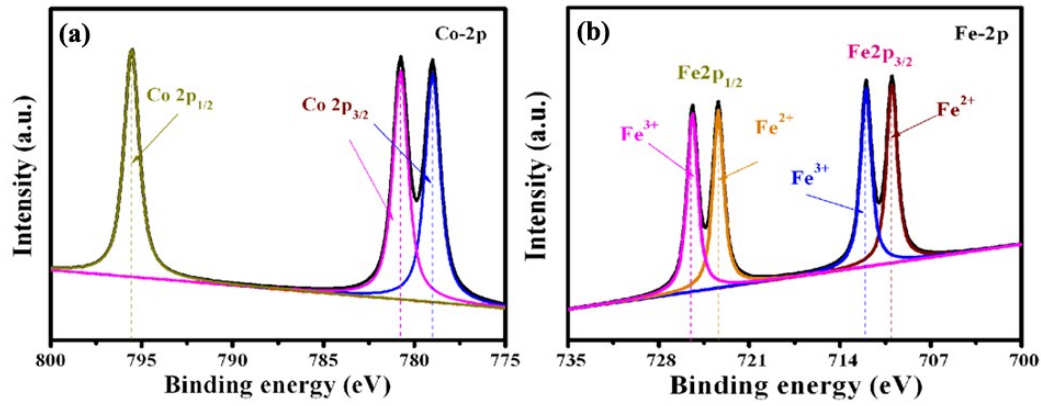


Figure S3. XPS spectra of (a) Co-2p, and (b) Fe-2p for the obtained sample.

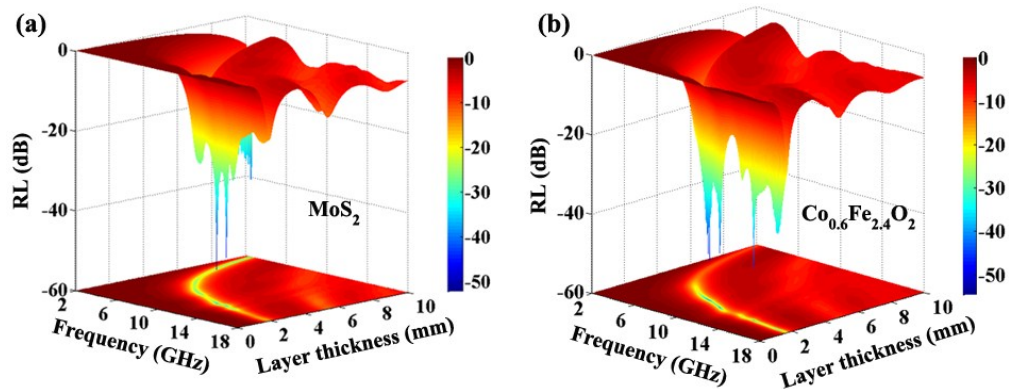


Figure S4. Three-dimensional and typical RL curves of (a) MoS₂ (b) Co_{0.6}Fe_{2.4}O₄ samples.

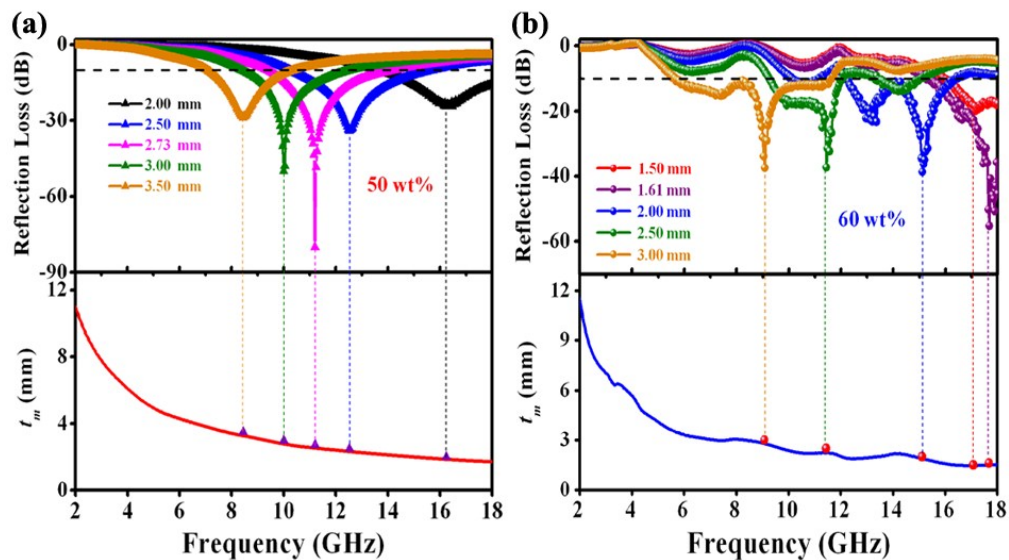


Figure S5. Comparison of the matching thickness obtained from the calculation and RL curves as shown in Figure 3 for (a) CM-50 and (b) CM-60.

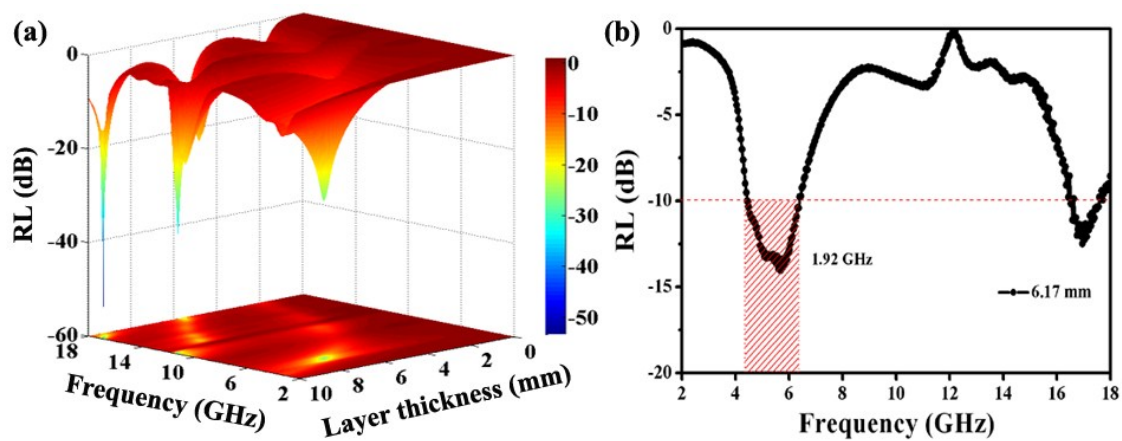


Figure S6. (a) Three-dimensional, and (b) typical RL curves of the as-prepared $\text{MoS}_2@ \text{Co}_{0.6}\text{Fe}_{2.4}\text{O}_4$ sample.

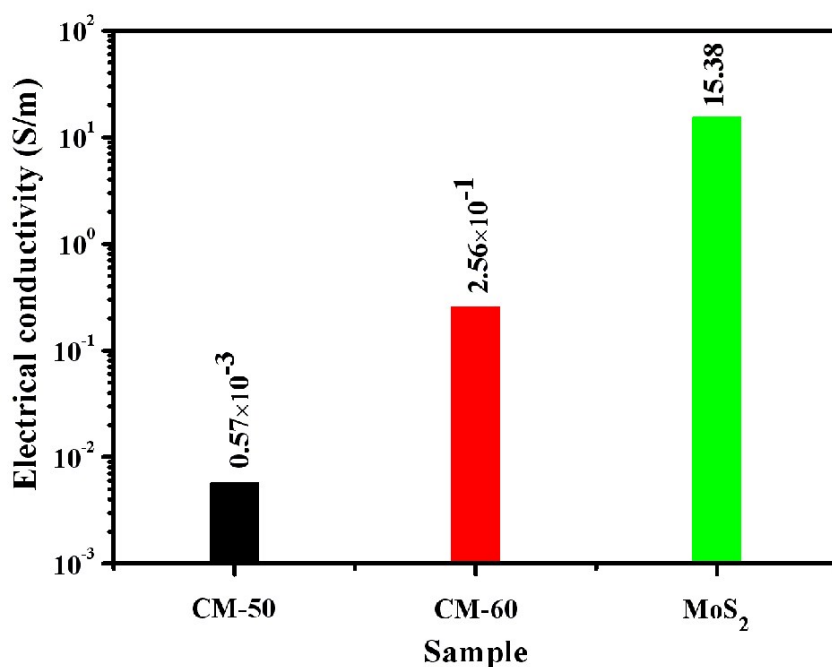


Figure S7. Electrical conductivity of the as-prepared CM-50, CM-60 and flower-like MoS_2 nanosheets.