

Supporting Information:

Facile preparation, high microwave absorption and microwave absorbing mechanism of RGO/Fe₃O₄ composites

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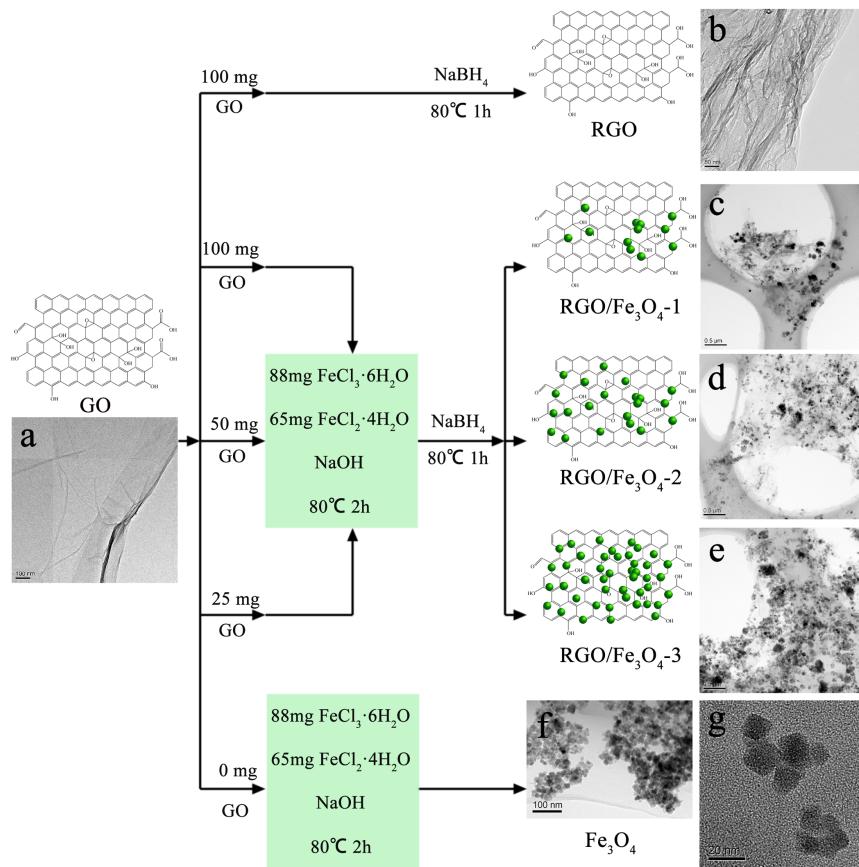


Fig. S1 Schematic view of the procedure of the as-prepared RGO/Fe₃O₄ composites and TEM images of GO (a), RGO (b), RGO/Fe₃O₄-1 composite (c), RGO/Fe₃O₄-2 composite (d), RGO/Fe₃O₄-3 composite (e), Fe₃O₄ NPs (f,g).

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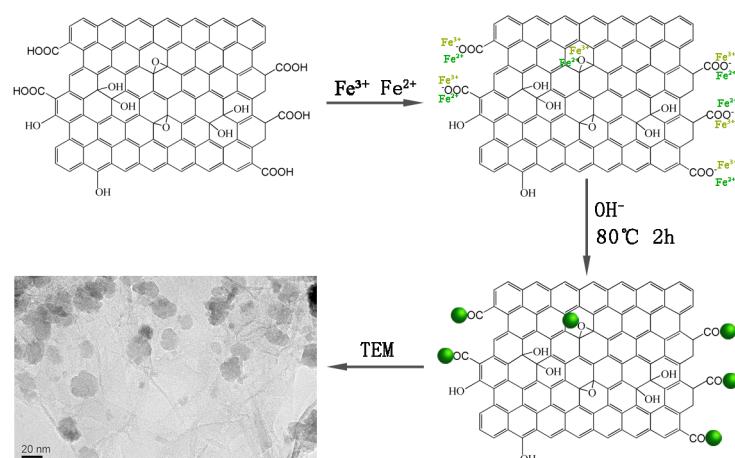


Fig. S2 The formation of the GO/Fe₃O₄ composite are described in the schematic below.

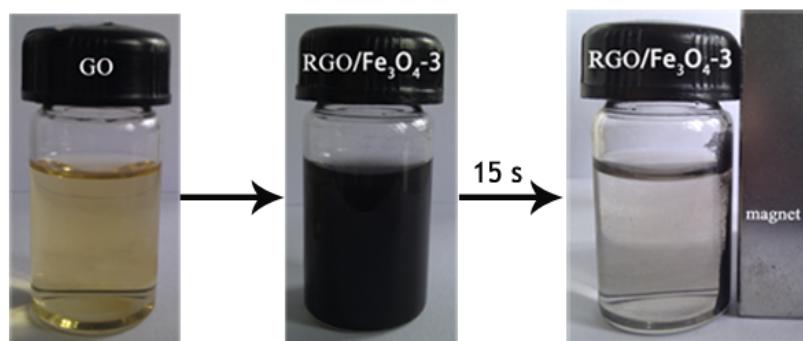


Fig. S3 Photograph of GO and RGO/Fe₃O₄-3 composite dispersed in water and the response to a magnet of RGO/Fe₃O₄-3 composite.

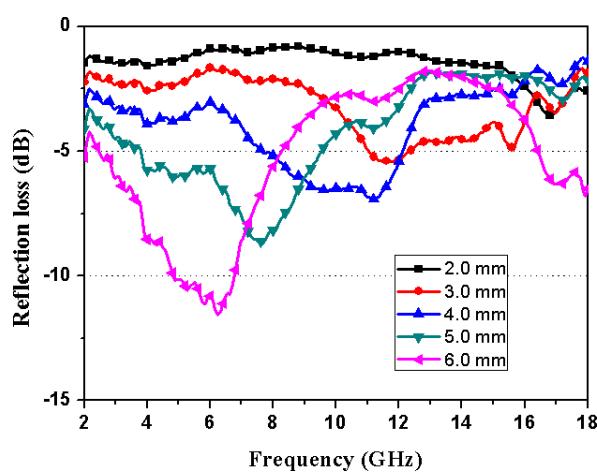


Fig. S4 The calculated reflection losses for Fe₃O₄ NPs with different thicknesses in the frequency range of 2-18 GHz.