Electronic Supplementary Material (ESI) for RSC Advances.

Growth of γ-Fe_2O_3 nanosheet arrays on graphene for electromagnetic absorption applications

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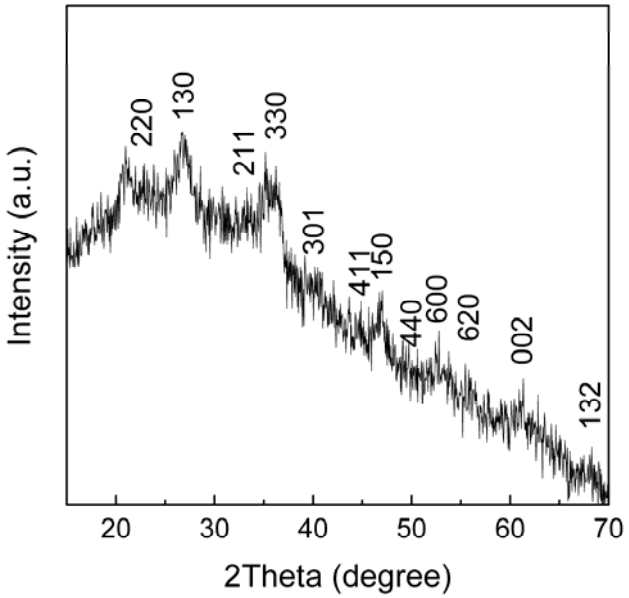

Figure S1 XRD pattern of G/ β-FeOOH nanosheet arrays

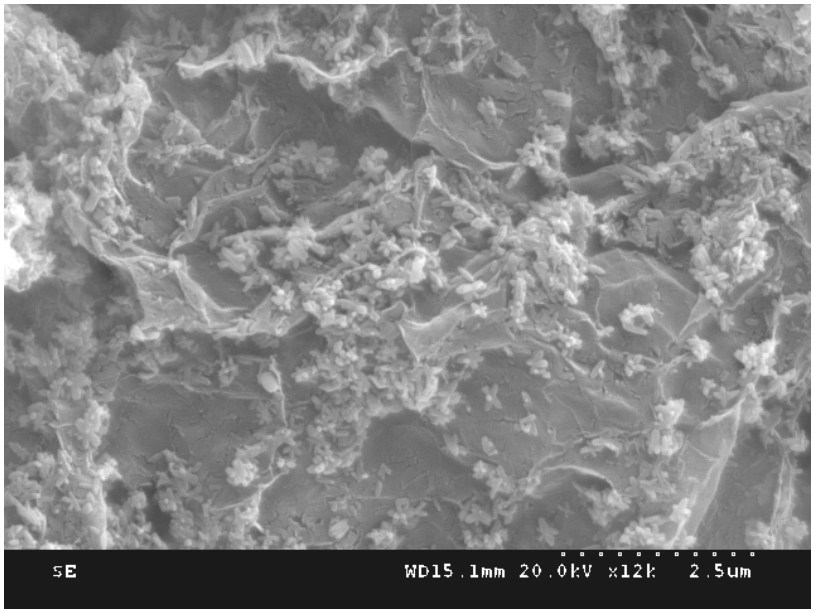

Figure S2 SEM image of the sample obtained as the bare graphene sheets were added in the reaction system

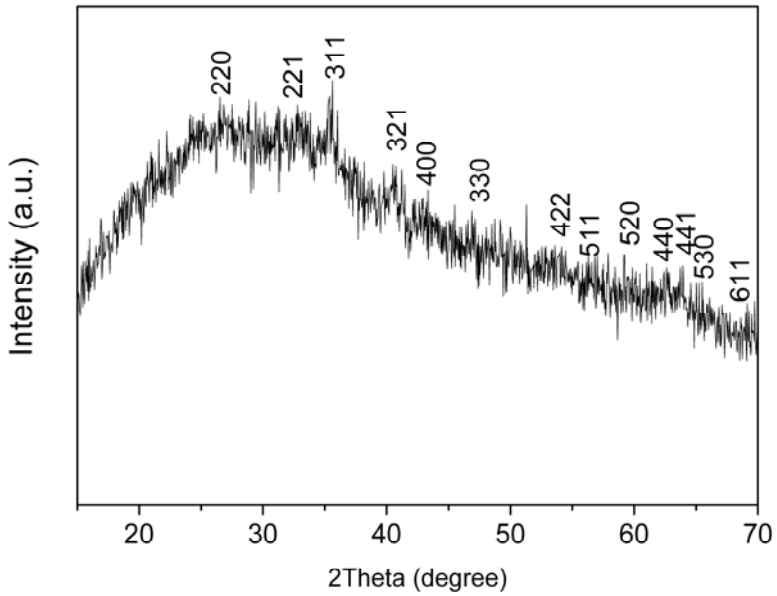

Figure S3 XRD pattern of the 3D G/γ-Fe_2O_3 nanosheet arrays

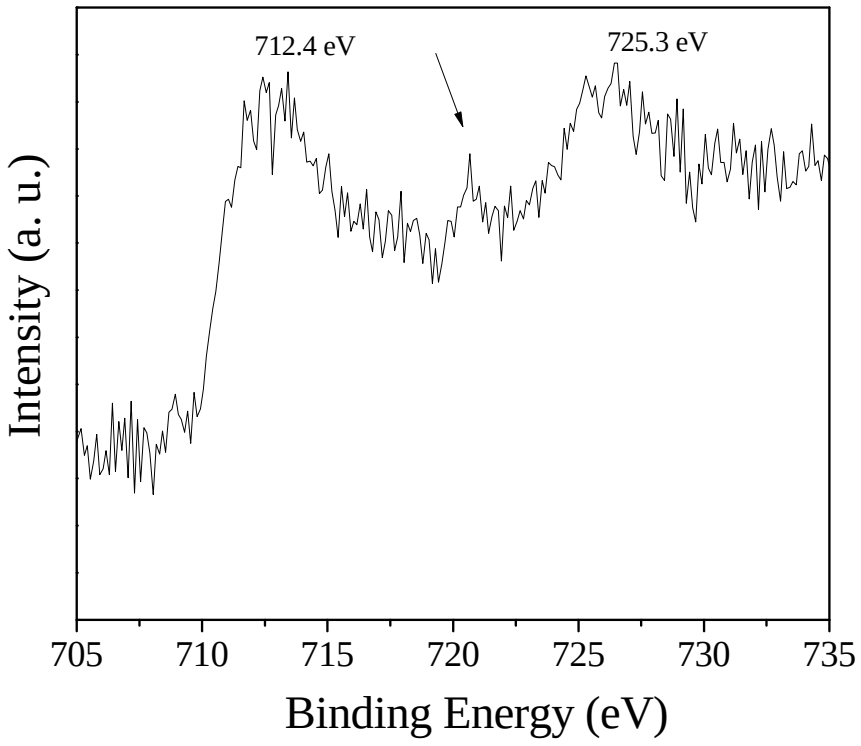

Figure S4 Fe2p core level XPS spectrum of the 3D G/γ-Fe_2O_3 nanosheet arrays

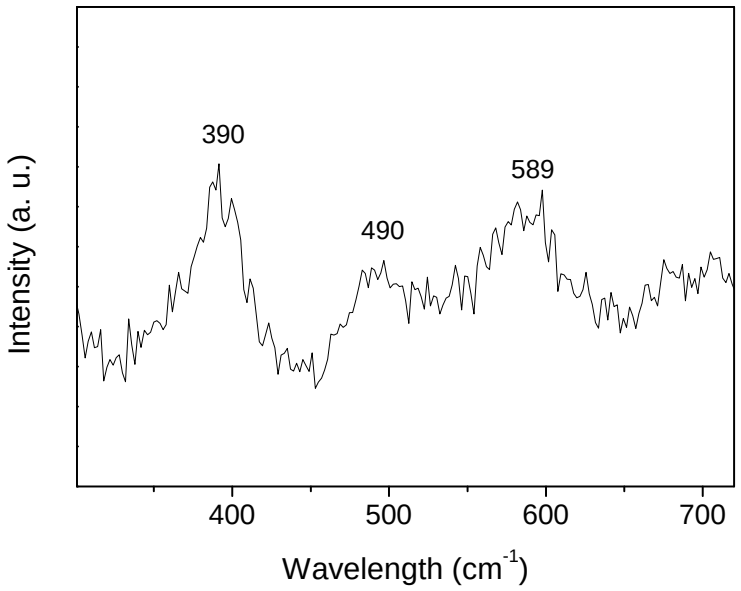

Figure S5 Raman spectrum of the 3D G/γ-Fe_2O_3 nanosheet arrays

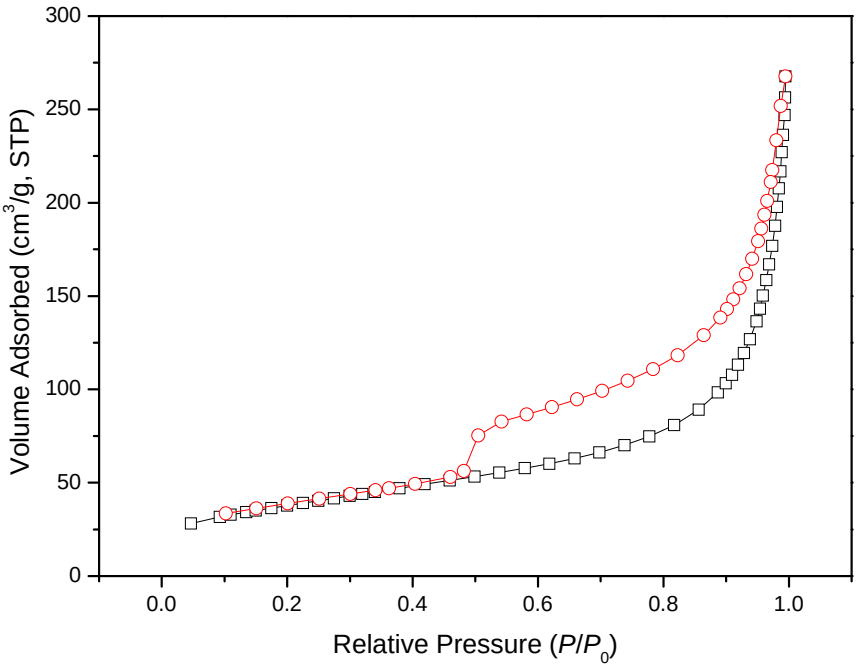

Figure S6 Nitrogen adsorption and desorption isotherms of the 3D G/γ-Fe_2O_3 nanosheet arrays

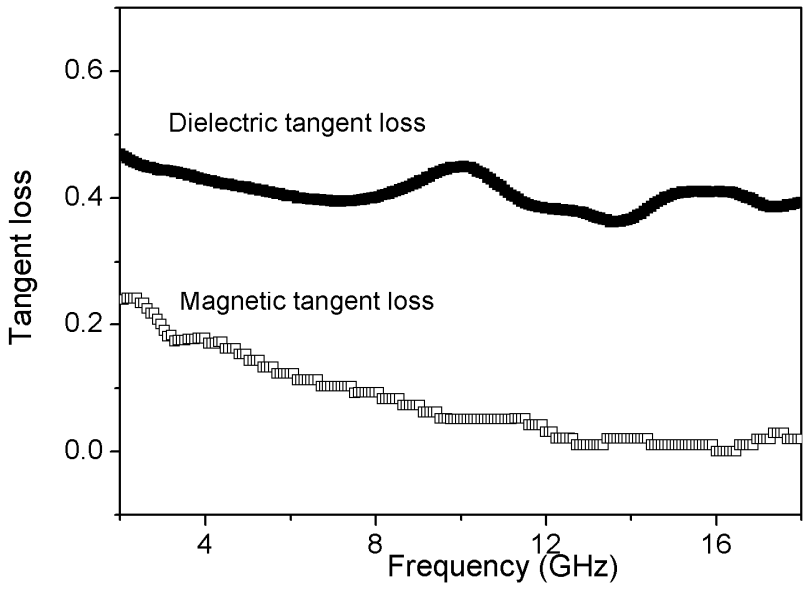

Figure S7 Tangent losses of the 3D G/γ-Fe_2O_3 nanosheet arrays