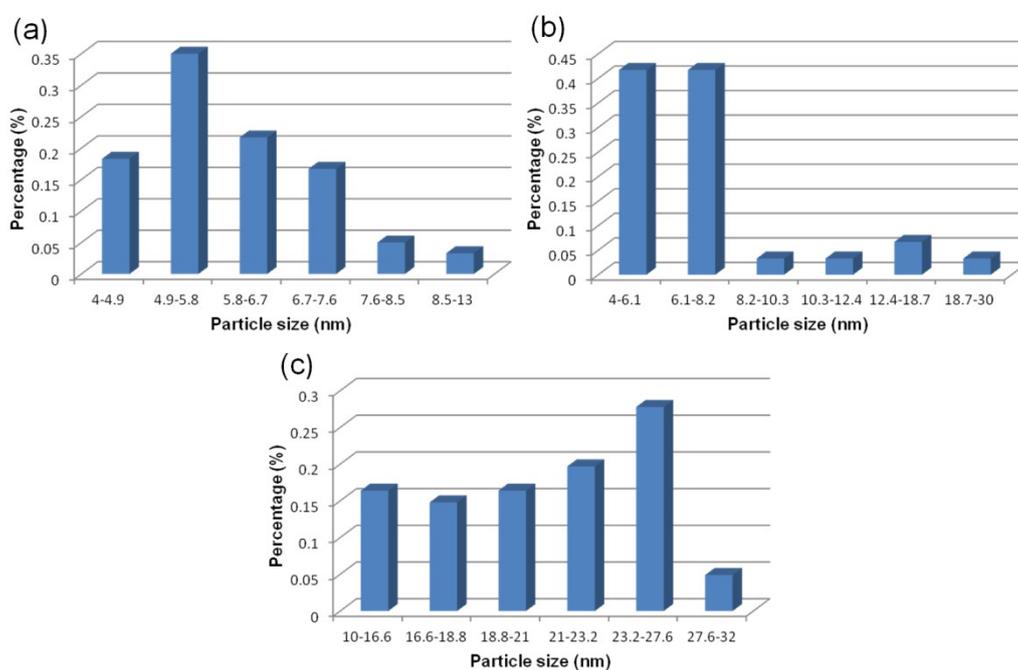
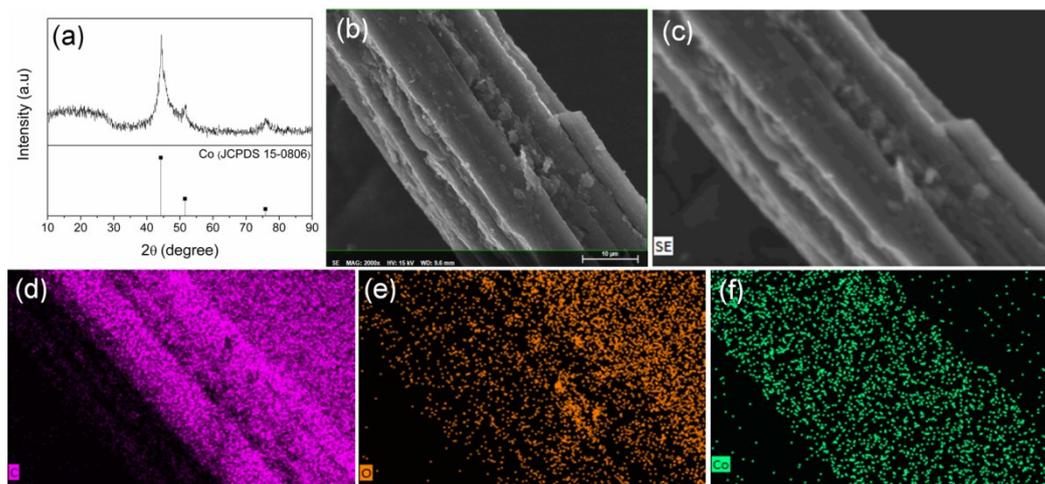


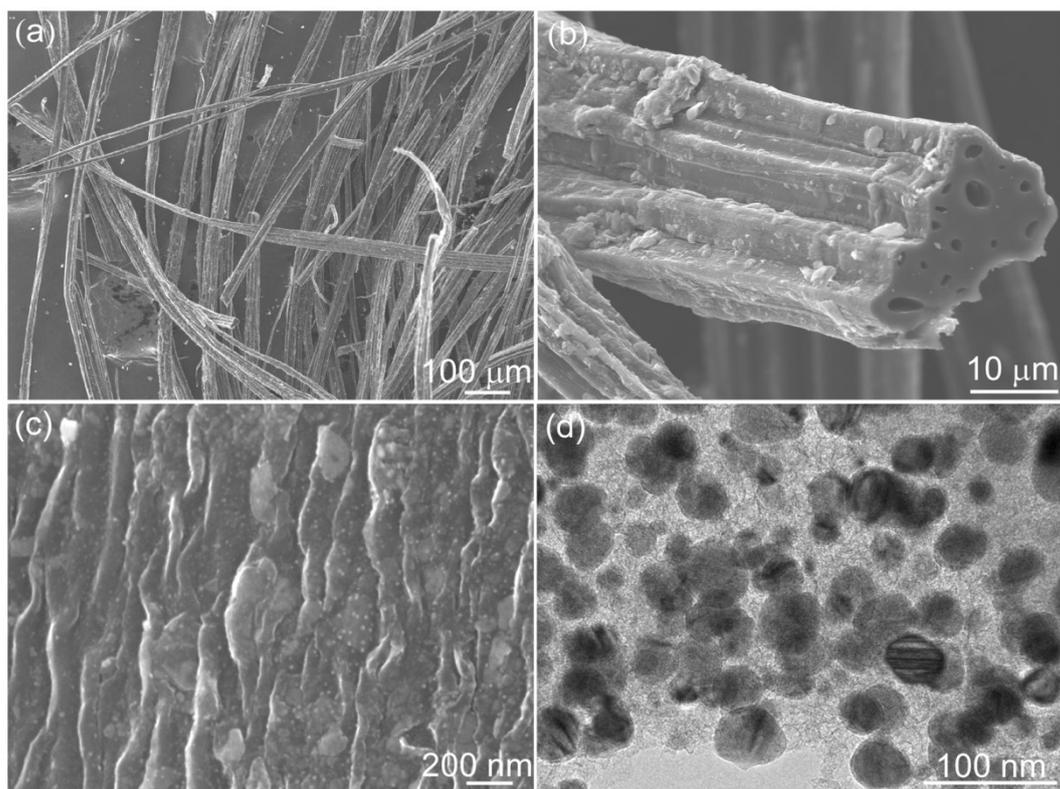
## Supporting Information



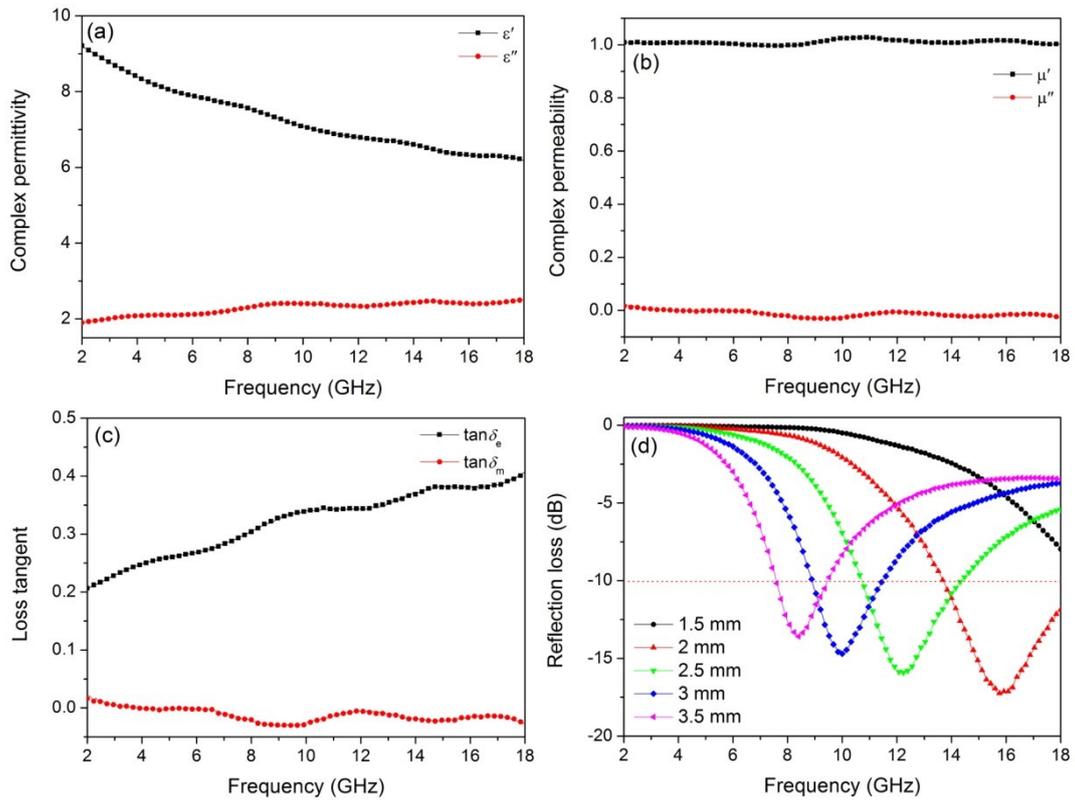
**Fig. S1** The particle size distribution of Ni nanoparticles on (a) Ni/C-0.2, (b) Ni/C-0.5, and (c) Ni/C-1.0.



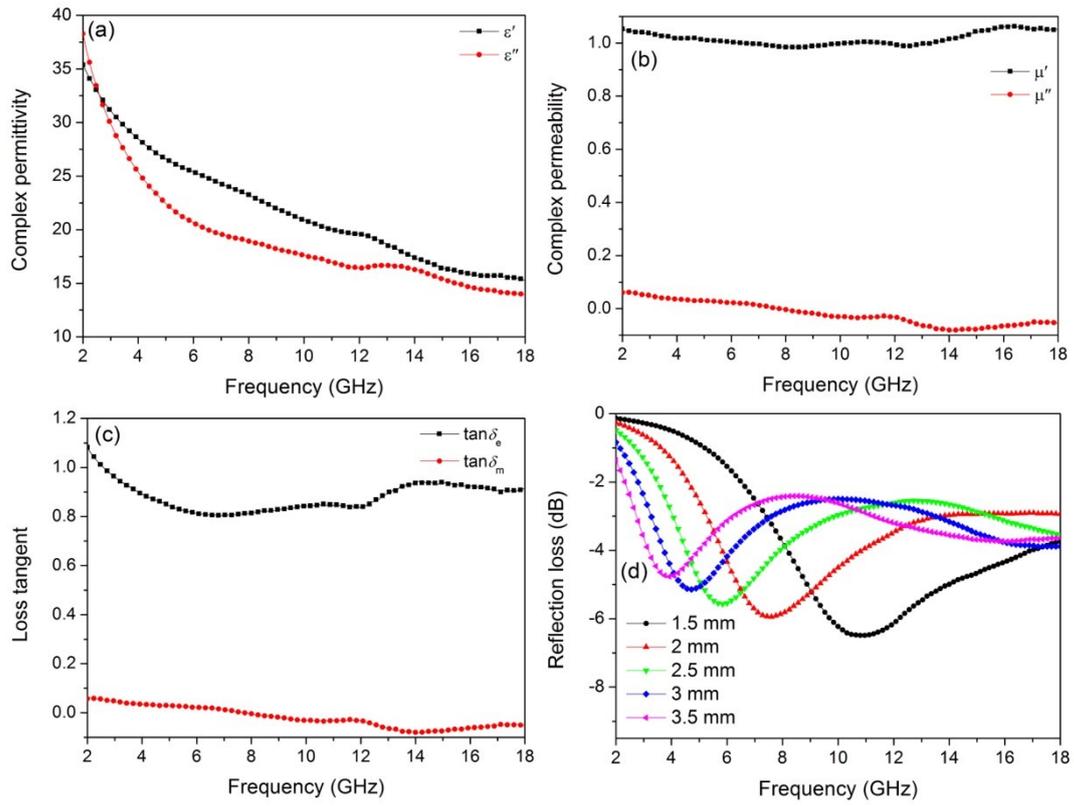
**Fig. S2** (a) XRD pattern, (b) SEM image, and (c, d, e, and f) elemental mapping images of Co/C porous fibers.



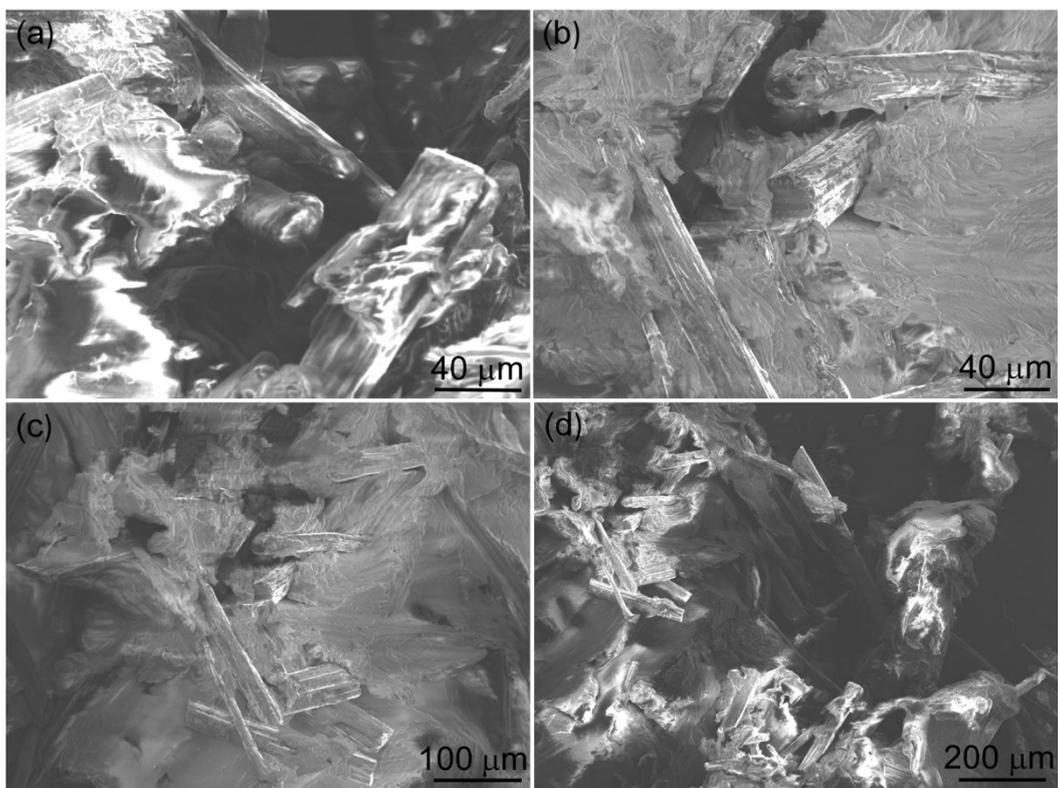
**Fig. S3** SEM images (a, b, and c) and TEM image (d) of Co/C porous fibers in different magnification.



**Fig. S4** Frequency dependence of (a) complex permittivity, (b) complex permeability, (c) loss tangent, and (d) reflection loss curve for the specimen with 25 wt% Ni/C-0.2 in paraffin.



**Fig. S5.** Frequency dependence of (a) complex permittivity, (b) complex permeability, (c) loss tangent, and (d) reflection loss curve for the specimen with 50 wt% Ni/C-0.2 in paraffin.



**Fig. S6** SEM images of the porous fibers/paraffin composites in different magnification.