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## **Supplementary Information**

## Nickel nanoparticles decorated in N-doped carbon nanofibers for lightweight and high-efficiency microwave absorption

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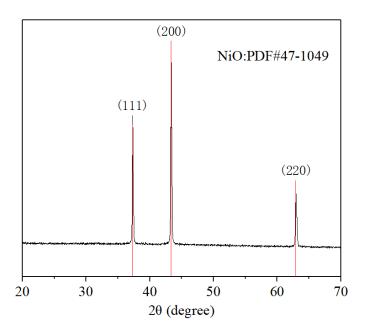


Fig. S1 XRD pattern of the final product after the calcination.

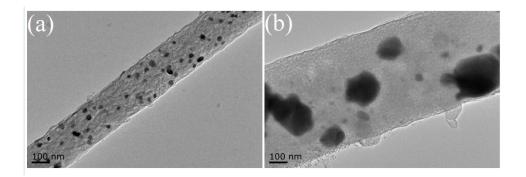


Fig. S2 highly magnified TEM images of (a) S1 and (b) S3.

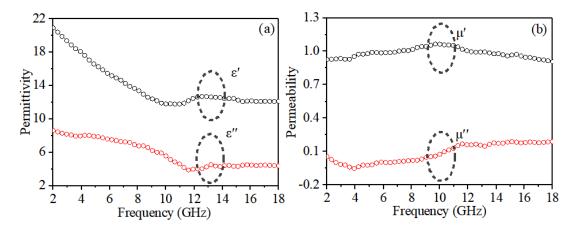


Fig. S3 (a) complex permittivity and (b) complex permeability of S0.

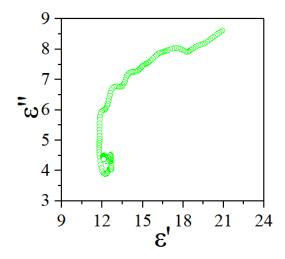


Fig. S4 Cole-Cole plot of S0.