

Electronic supplementary information

Rationally designed hierarchical N-doped carbon nanotubes wrapping waxberry-like Ni@C microspheres for efficient microwave absorption

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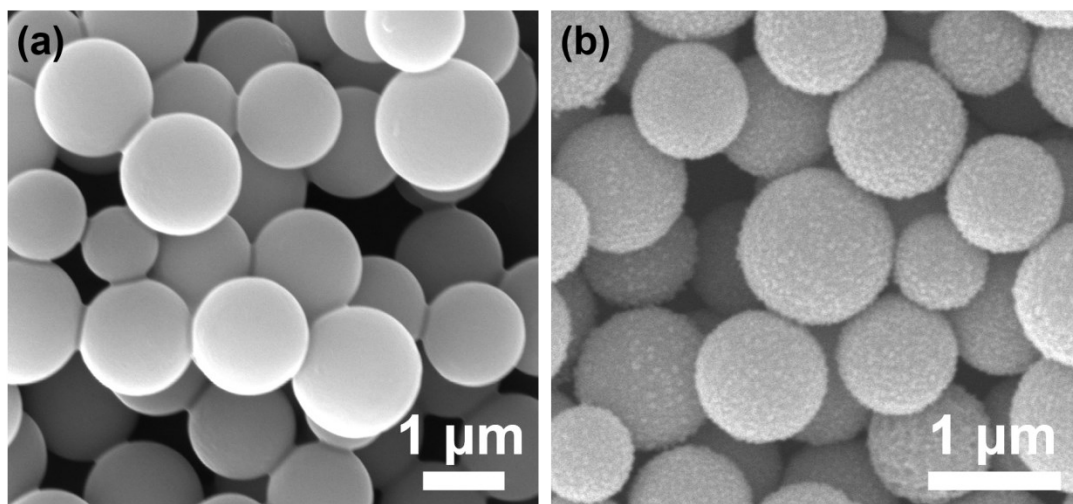


Fig. S1. SEM images of Ni-MOF (a) and Ni@C-500 (b).

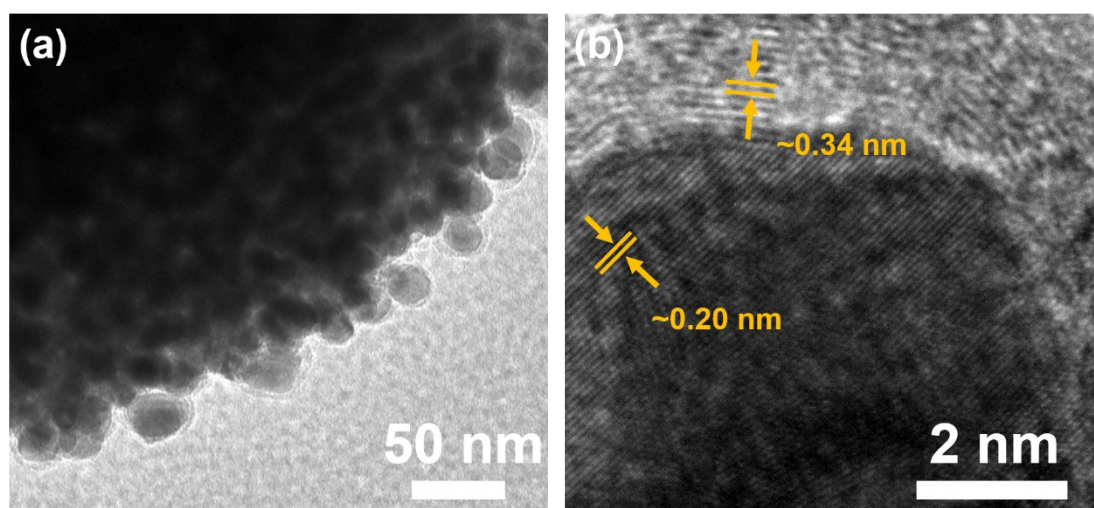


Fig. S2. TEM images of NC.

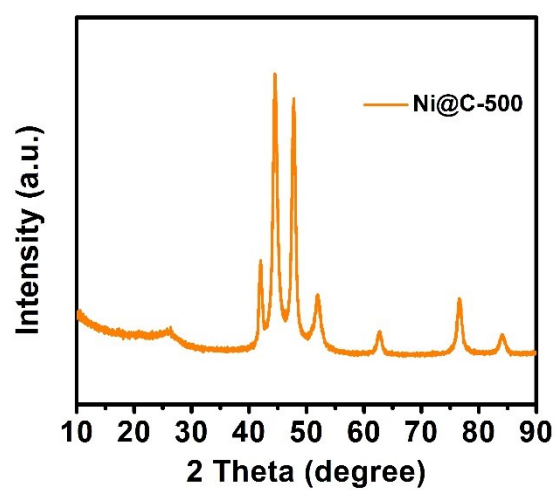


Fig. S3. XRD pattern of Ni@C-500.

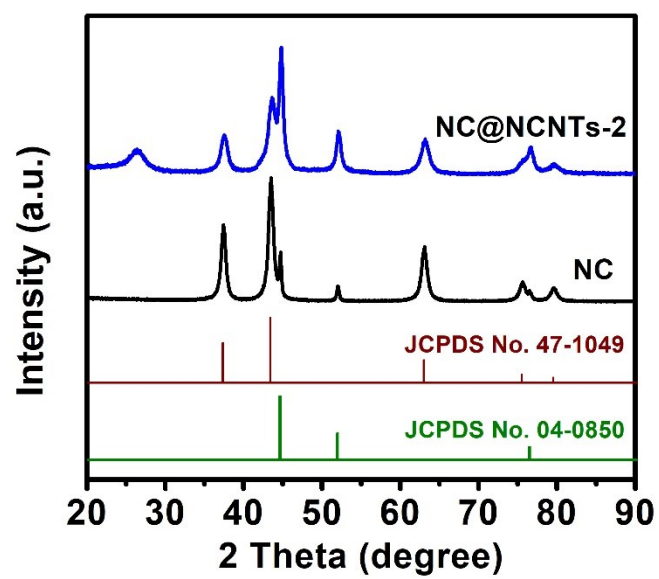


Fig. S4. XRD patterns of NC and NC@NCNTs-2 after calcination under air atmosphere at 320 °C.

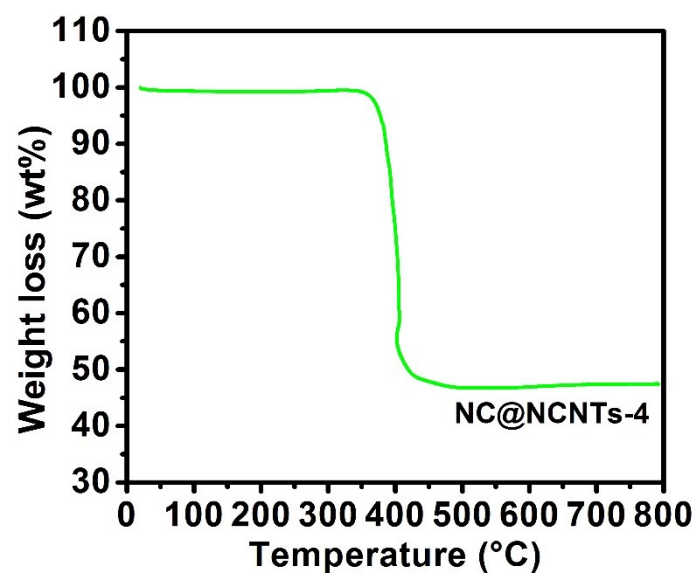


Fig. S5. TG curve of NC@NCNTs-4.

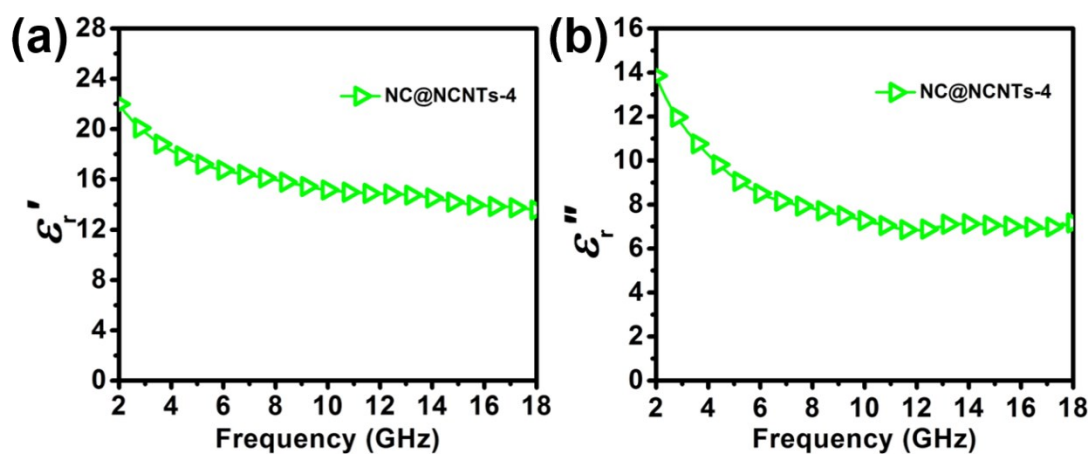


Fig. S6. ϵ_r' (a) and ϵ_r'' (b) of NC@NCNTs-4.

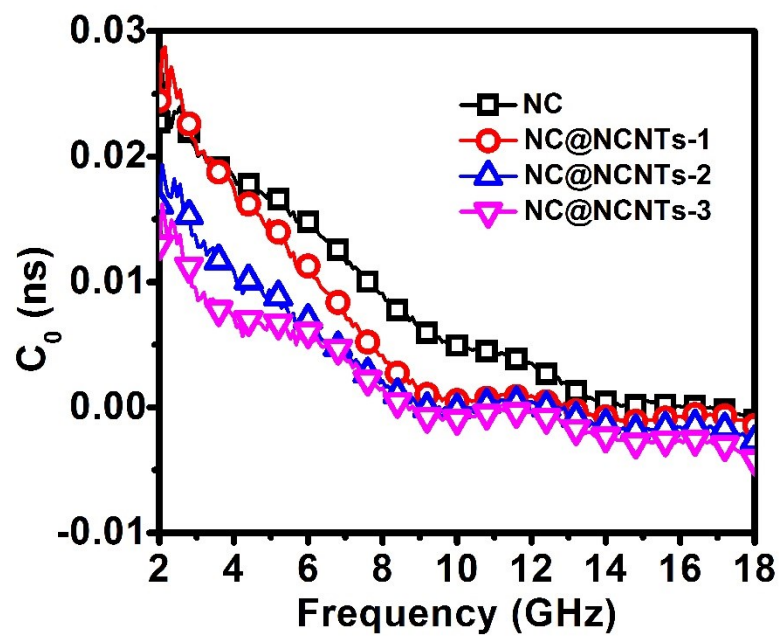


Fig. S7. C_0 curves of NC, NC@NCNTs-1, NC@NCNTs-2, and NC@NCNTs-3.

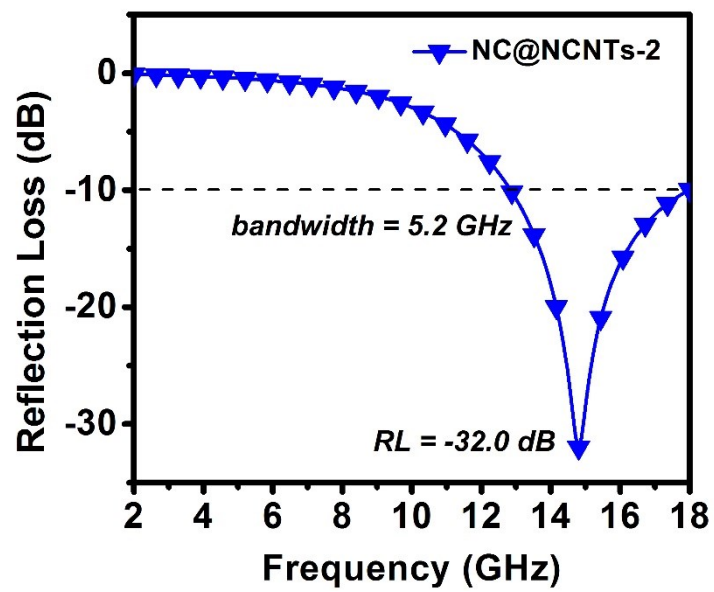


Fig. S8. The reflection loss curve of NC@NCNTs-2 with the thickness of 1.7 mm.