

SUPPORTING INFORMATION:

Controllable N-Doped Carbonaceous Composites with Highly dispersed Ni Nanoparticles for Excellent Microwave Absorption

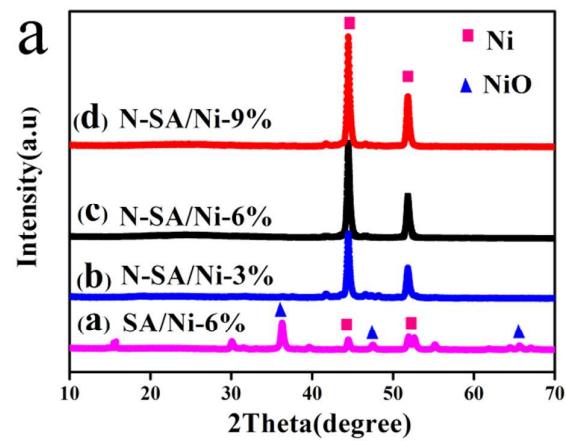
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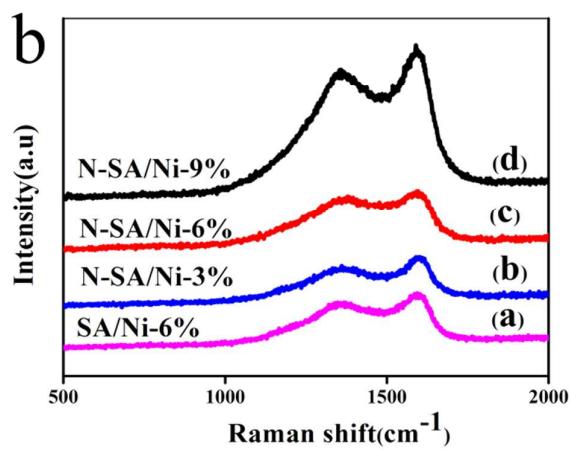


Fig. S1. (a) XRD patterns and (b) Raman spectra of SA/Ni-6% and N-SA/Ni-X (X = 3%, 6%, 9%).

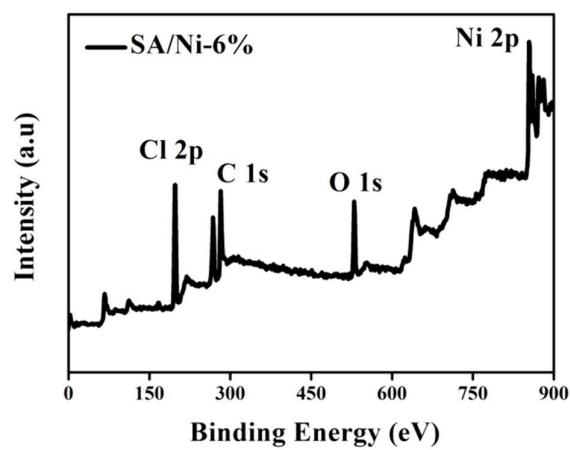


Fig. S2. XPS spectrum: the wide scan of SA/Ni-6%.

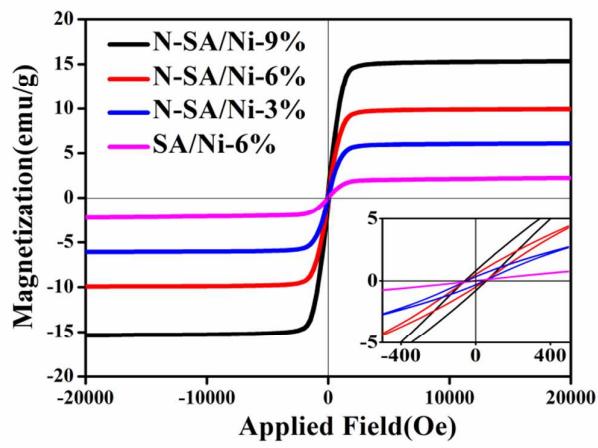


Fig. S3. Magnetic hysteresis loops of SA/Ni-6% and N-SA/Ni-X (X=3%, 6%, 9%) measured at room temperature.

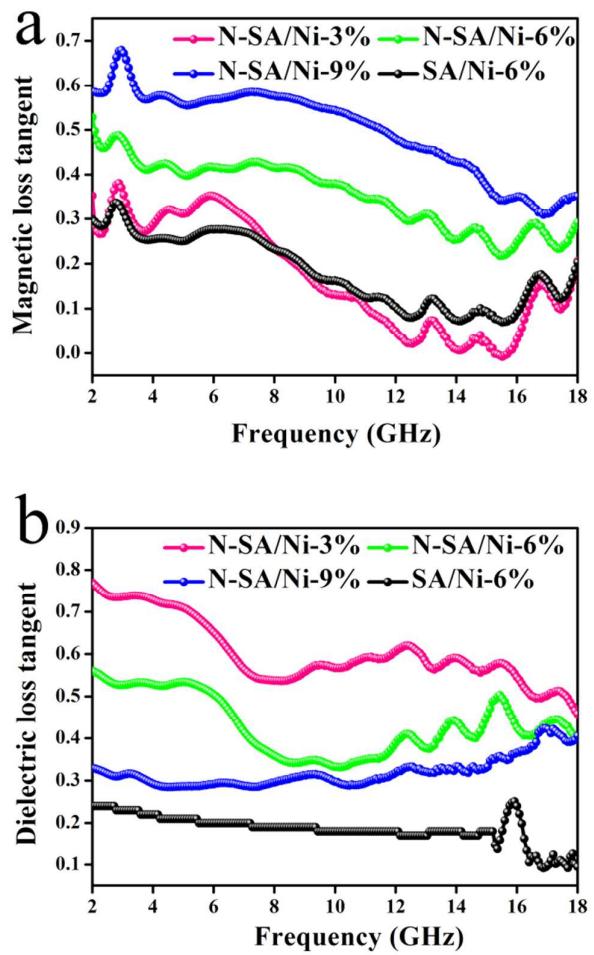


Fig. S4. The magnetic loss tangent (a) and dielectric loss tangent (b) of SA/Ni-6% and N-SA/Ni-X (X=3%, 6%, 9%).

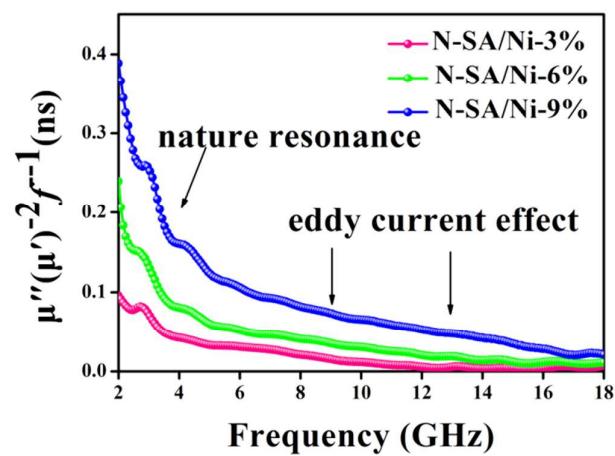


Fig. S5. The value of $\mu''(\mu')^{-2} f^{-1}$ (d) of N-SA/Ni-X (X=3%, 6%, 9%) composites.

