Supporting information for Solid and macroporous Fe₃C/N-C nanofibers with enhanced electromagnetic wave absorbability

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Figure S1. SEM images of (a) solid Fe₃C/N-C NFs, (b) macroporous Fe₃C/N-C NFs, (c) TEM images of macroporous Fe₃C/N-C NFs, (d) STEM images of macroporous Fe₃C/N-C NFs.



Figure S2. (a) (c) (e) & (g) EDX mapping images, (b) (d) (f) & (h) EDS spectra of solid Fe₃C/N-C NFs-1, solid Fe₃C/N-C NFs-2, macroporous Fe₃C/N-C NFs-1, macroporous Fe₃C/N-C NFs-2.



Figure S3. (a) & (c) & (e) nitrogen adsorption/desorption isotherms, (b) & (d) & (f) the pore size distributions of solid and macroporous Fe₃C/N-C NFs, pure N-C NFs, respectively.



Figure S4. Reflection loss in the frequency range of 1-18 GHz: (a) solid Fe₃C/N-C NFs-1 (b) macroporous Fe₃C/N-C NFs-1 (c) solid Fe₃C/N-C NFs-2 (b) macroporous Fe₃C/N-C NFs-2 with 10 wt % filler content.