Supporting information

Facile synthesis of highly porous N-doped CNTs/Fe₃C and its electrochemical properties

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**Fig. s1** XRD pattern of CNT/Fe₃C-6 without HCl treatment

**Fig. s2** SEM images of (a) CNT/Fe₃C-2, (b) CNT/Fe₃C-4, (c) CNT/Fe₃C-6

**Fig. s3.** Nitrogen adsorption–desorption isotherms and specific surface area of N-doped CNTs/Fe₃C
Fig. S4 (a) CV curves at 100 mV s$^{-1}$, and (b) GCP curves of N-doped CNTs/Fe$_3$C at a current density of 1 A g$^{-1}$. 