



Supporting Information

Three-Dimensional Hybrid Nanostructures of Fe₃O₄ Nanoparticles/Vertically-Aligned Carbon Nanotube Arrays for Supercapacitor Application

Bin Zhao *

School of Materials & Chemistry, University of Shanghai for Science and Technology, Shanghai 200093, China;
zhaobin@usst.edu.cn

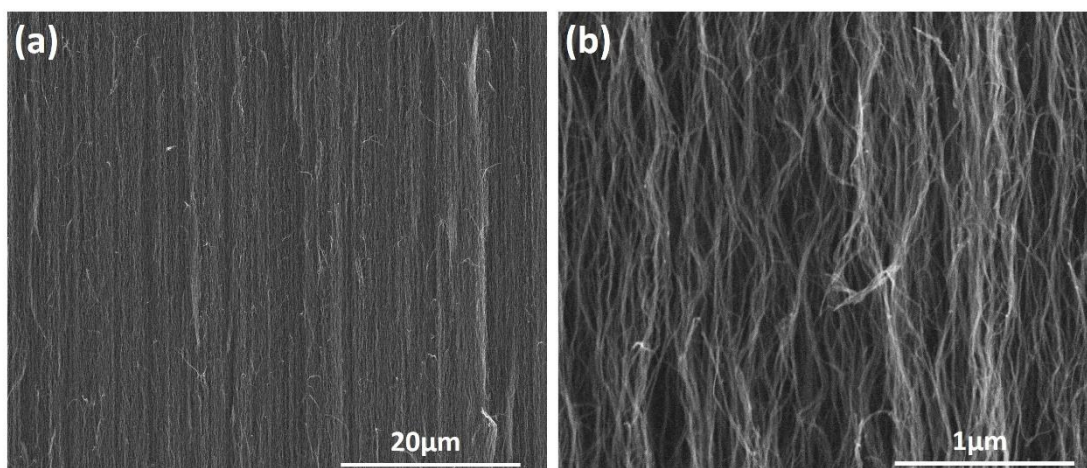


Figure S1. FESEM images of cross sections of pure VACNTs at different magnifications.

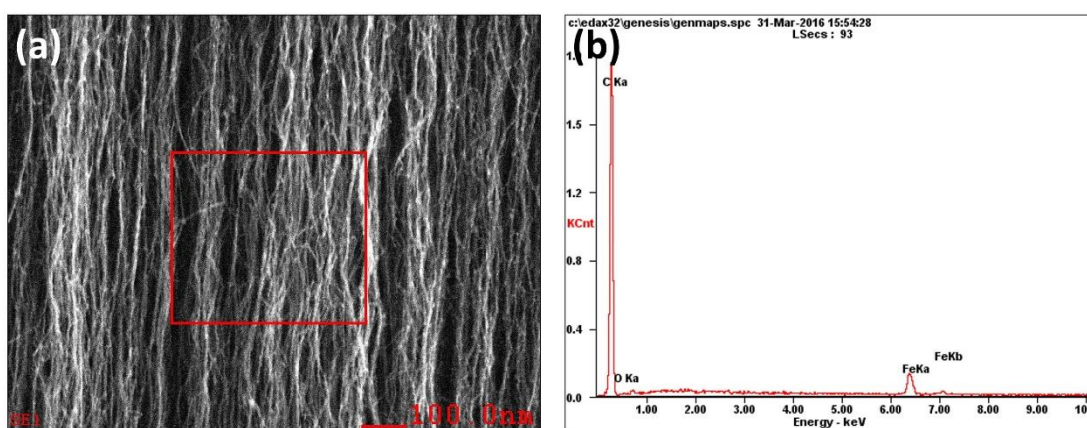


Figure S2. EDS spectrum of the Fe₃O₄/VACNTs-550 sample.

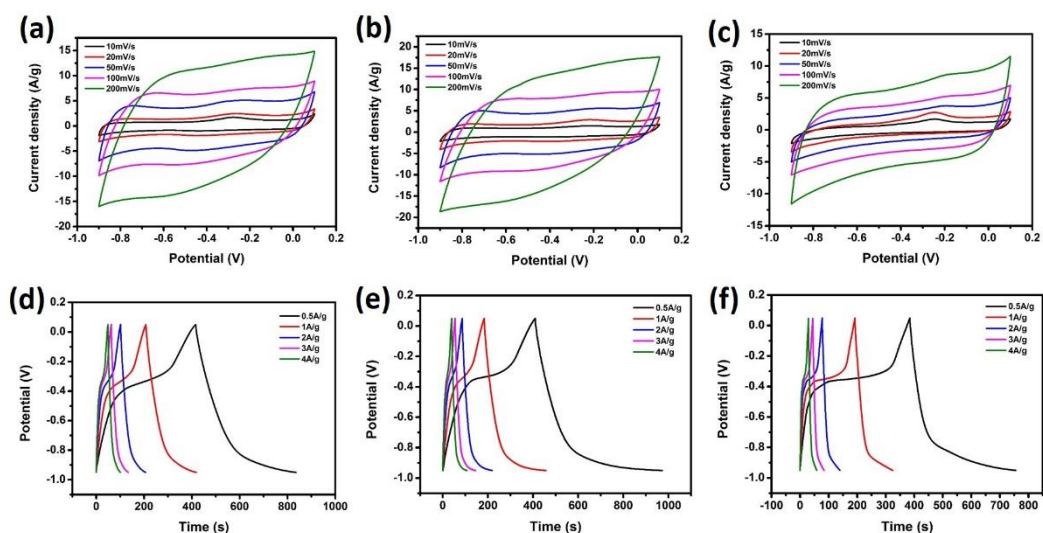


Figure S3. CVs and GCD curves of the $\text{Fe}_3\text{O}_4/\text{VACNTs}$ hybrids annealed at different temperature: (a, d) $\text{Fe}_3\text{O}_4/\text{VACNTs}$ -500; (b, e) $\text{Fe}_3\text{O}_4/\text{VACNTs}$ -500; (c, f) $\text{Fe}_3\text{O}_4/\text{VACNTs}$ -600.

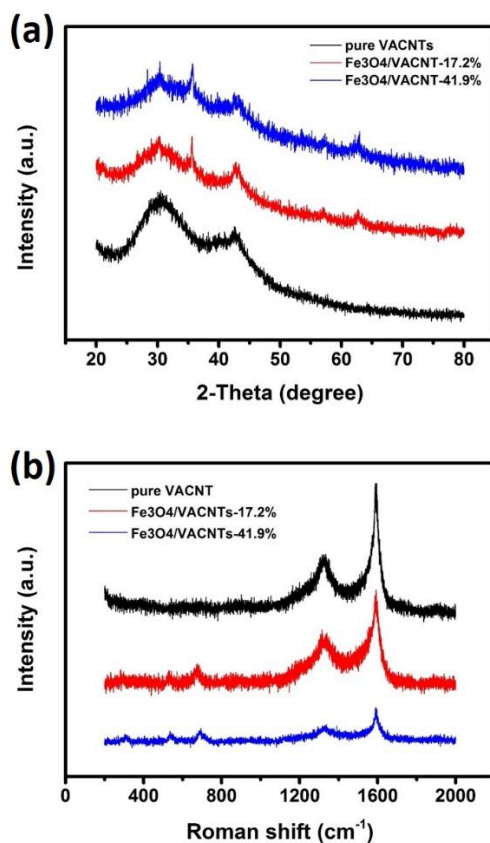


Figure S4. XRD patterns a) and Raman spectra b) of the pure VACNTs and $\text{Fe}_3\text{O}_4/\text{VACNTs}$ composites with different loading mass percentage.