Supporting Information

MOF-Derived Co@C nanoparticles anchored Aramid Nanofiber (ANF) Aerogel for Super Microwave Absorption Capacity

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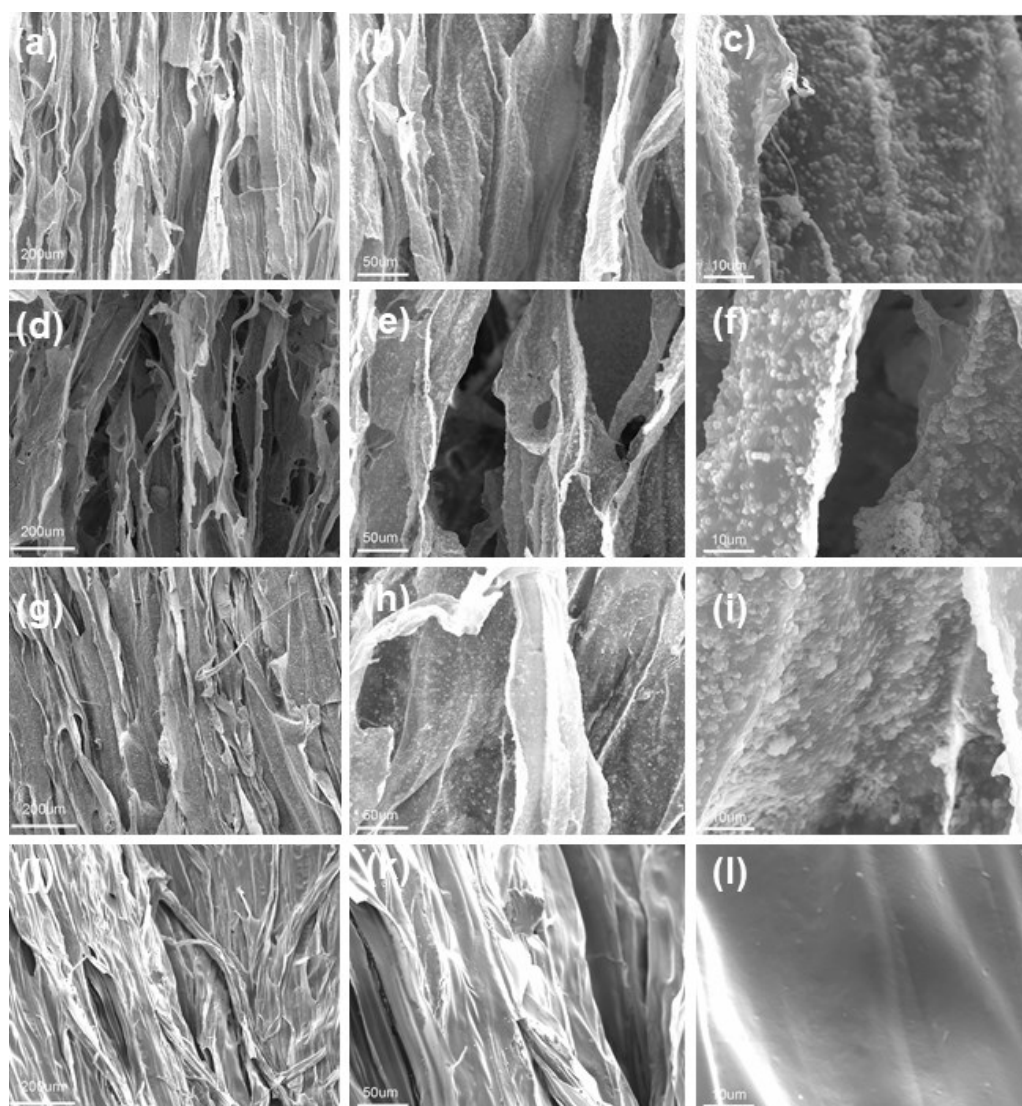
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Figure S1. SEM images of ZIF-67/ANF aerogel with different ANF to ZIF-67 weight ratios of (a-c) 1:1, (d-f) 1:2, (g-i) 2:1 and (j-l) 1:0.
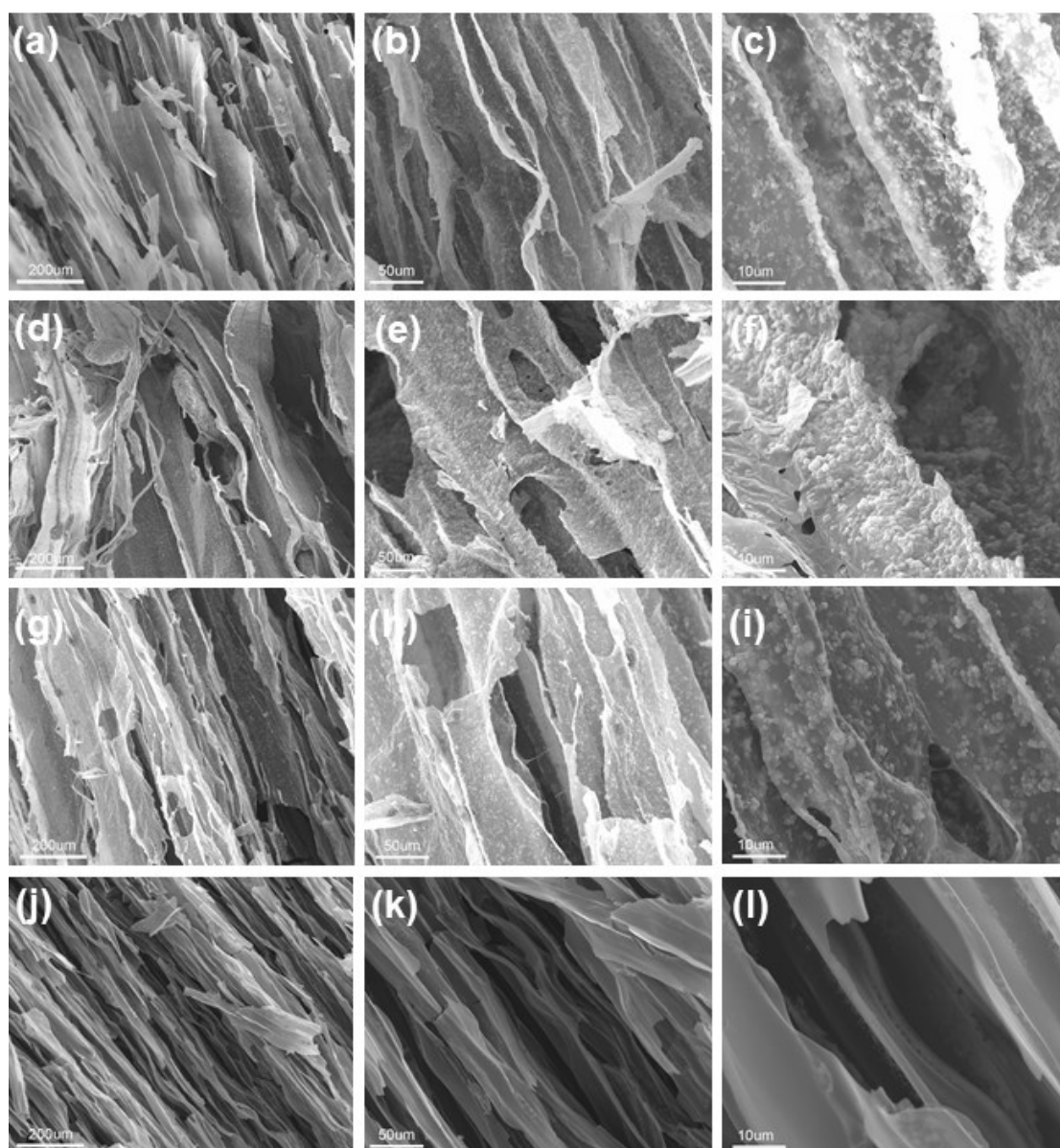
Figure S2 SEM images of Co@C/ANF aerogel with different ANF to ZIF-67 weight ratios of (a-c) 1:1, (d-f) 1:2, (g-i) 2:1 and (j-l) 1:0.
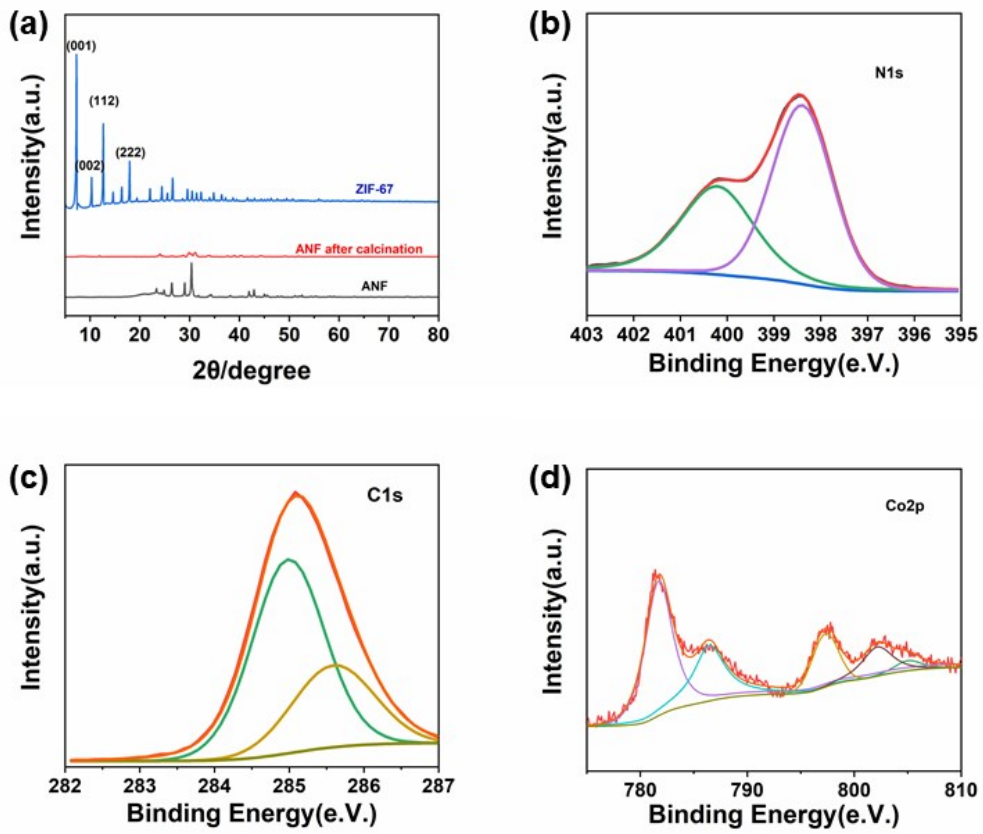
Figure S3 (a) XRD images of ZIF-67, ANF after calcination, and ANF. XPS spectra of Co@C/ANF (b) C 1s, (c) N 1s and (d) Co 2p.
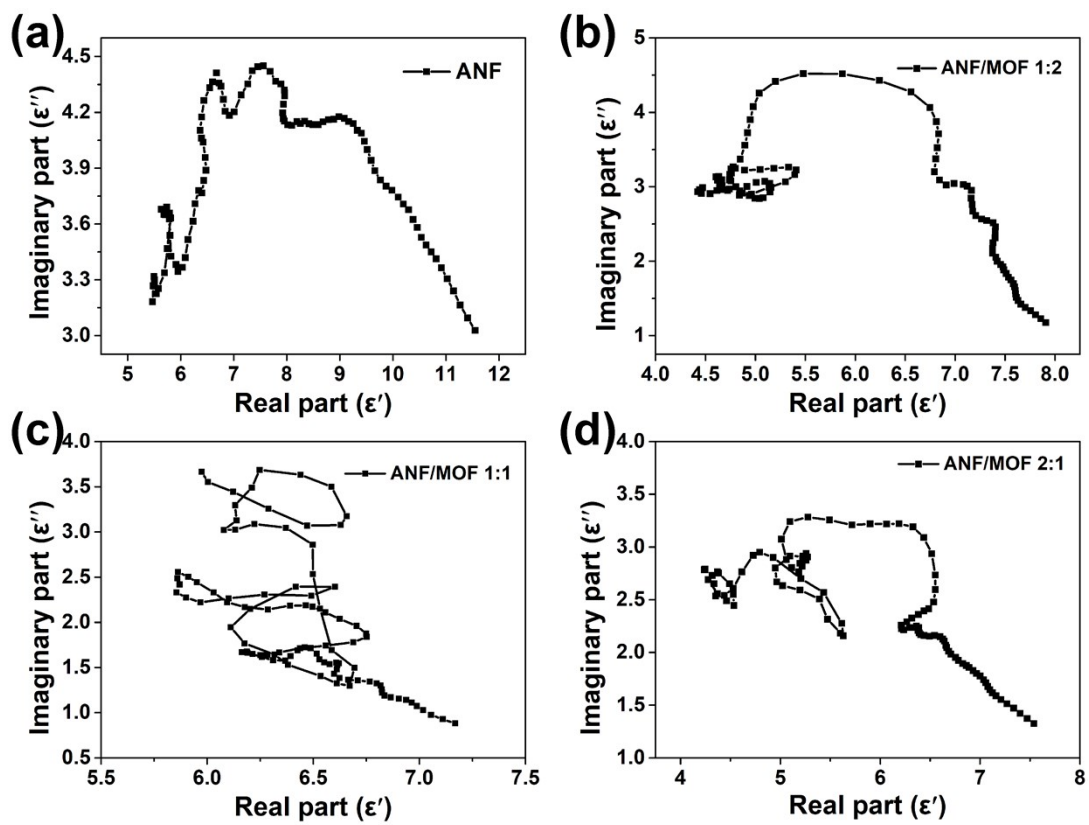
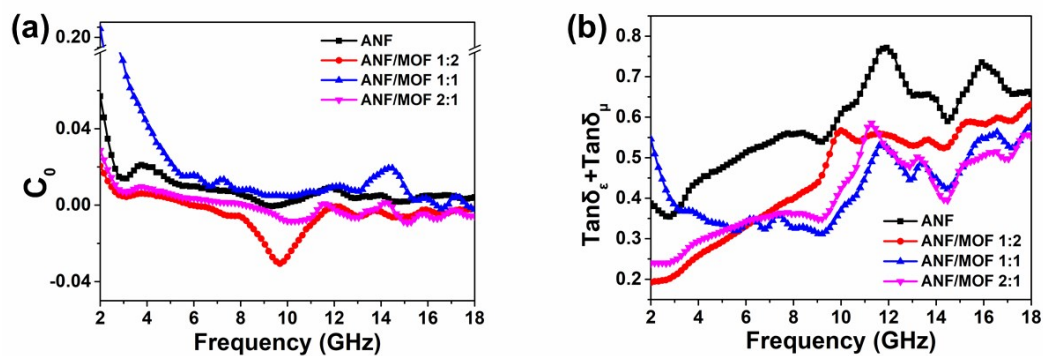**Figure S4** The Cole-Cole curves of (a) ANF, (b) Co@C/ANF 1:2, (c) Co@C/ANF 1:1 and (d) Co@C/ANF 2:1

Figure S5. (a) Frequency dependence of C0 for ANF, Co@C/ANF 1:2, Co@C/ANF 1:1, and Co@C/ANF 2:1. (b) Frequency dependence of $\tan\delta_\mu$ + $\tan\delta_\varepsilon$ for ANF, Co@C/ANF 1:2, Co@C/ANF 1:1 and Co@C/ANF 2:1.
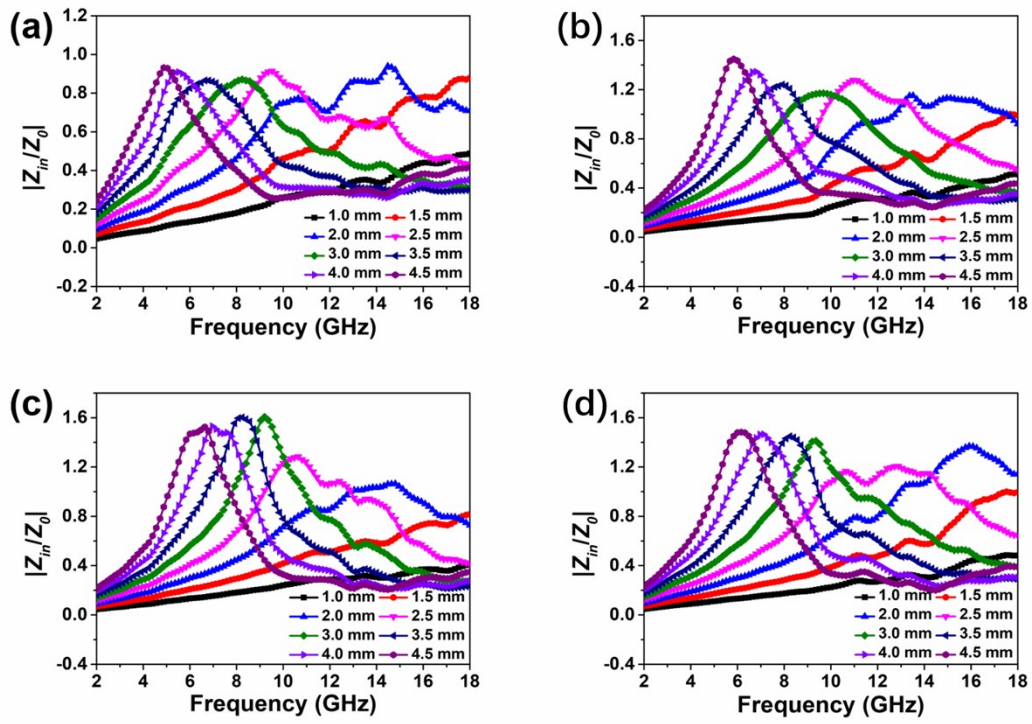
Figure S6. Impedance match of samples with different thicknesses (a) ANF (b) Co@C/ANF 1:2 (c) Co@C/ANF 1:1 and (d) Co@C/ANF 2:1