Figure captions.

Figure S1. SEM image and the corresponding element mappings of the 3DFGM.

Figure S2. (a) TEM and (b-d) HRTEM images of the 3DFGM.

Figure S3. Pore size distributions of the 3DFGM and GF (inset).

Figure S4. Water contact angle analyses of the (a) 3DFGM and (b) GF.

Figure S5. Areal and volumetric capacitances of 3DFGM electrode at various gravimetric current densities.

Figure S6. Areal and volumetric capacitances of 3DFGM//3DFGM supercapacitor at various gravimetric current densities.



Figure S1



Figure S2



Figure S3



Figure S4



Figure S5



Figure S6