Electronic Supplementary Material (ESI) for Nanoscale Advances.
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SUPPORTING INFORMATION

3D defective graphenes with subnanometric porosity obtained by soft-templating following zeolite procedures.

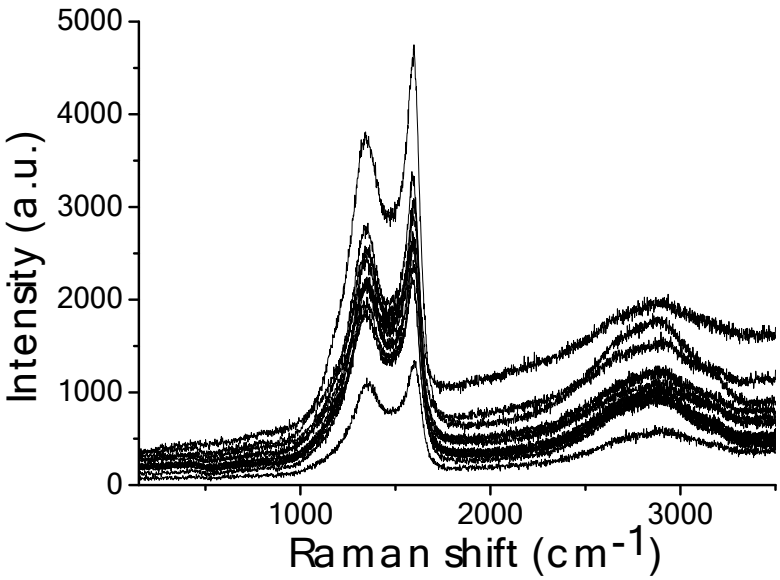


Figure 1. A series of Raman spectra of different regions of 3D G-SA powder upon 513 nm laser excitation.

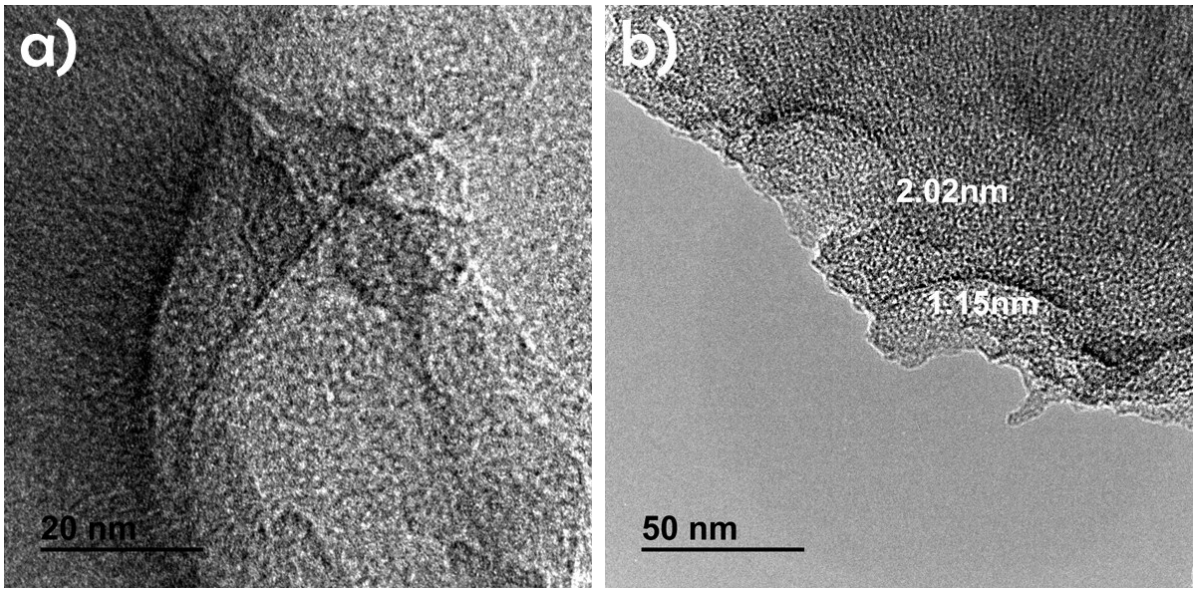


Figure 2. TEM images of 3D G-SA at two different magnifications showing the walls of the tubes. Image b indicates for two tubes the wall thickness in nanometers.

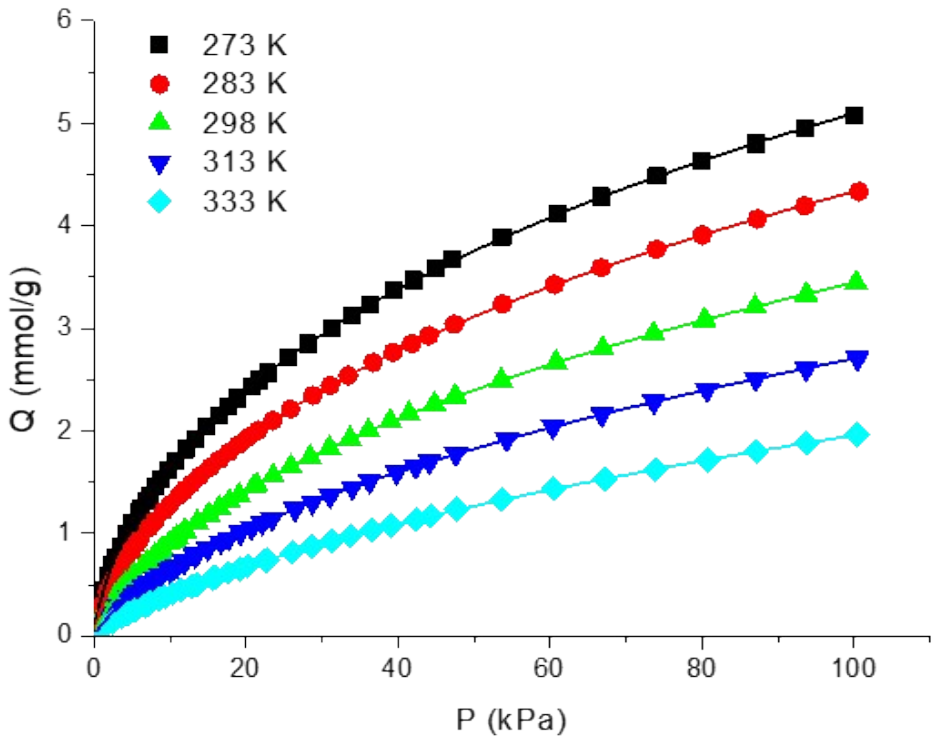
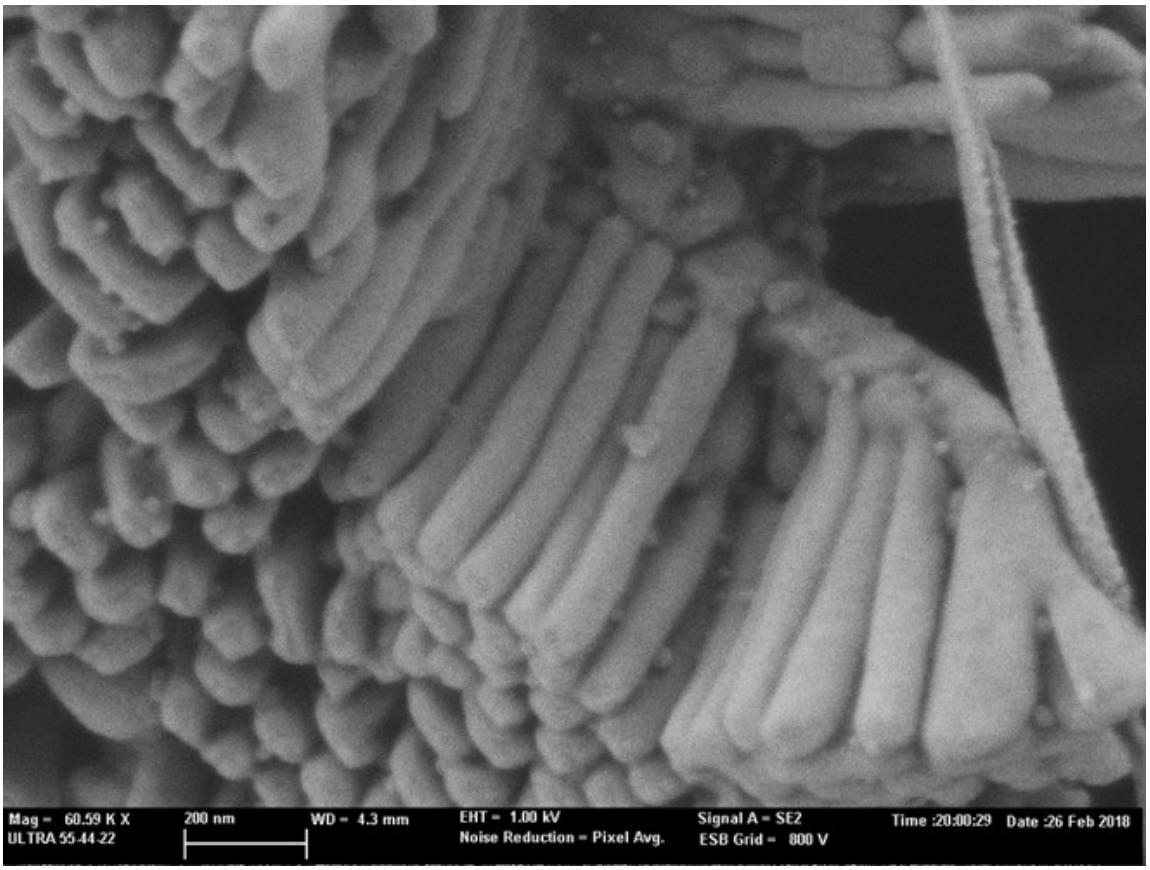
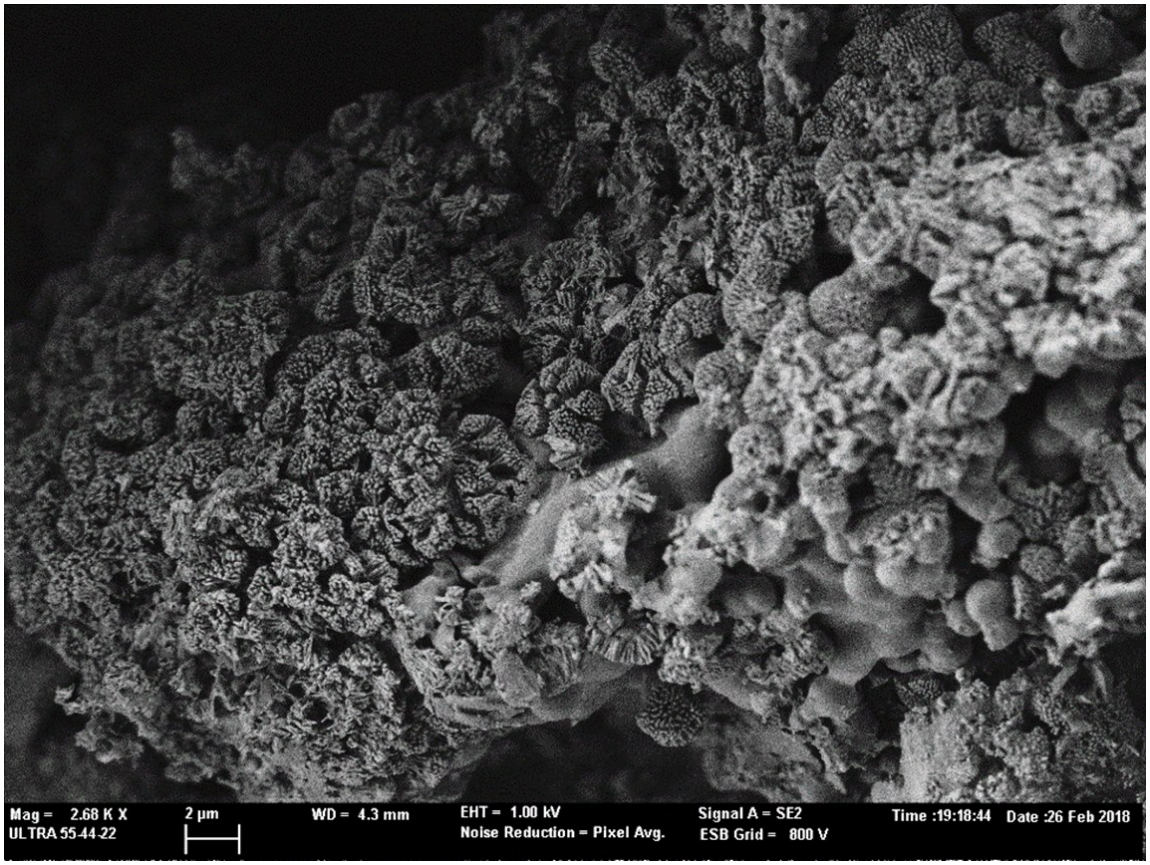
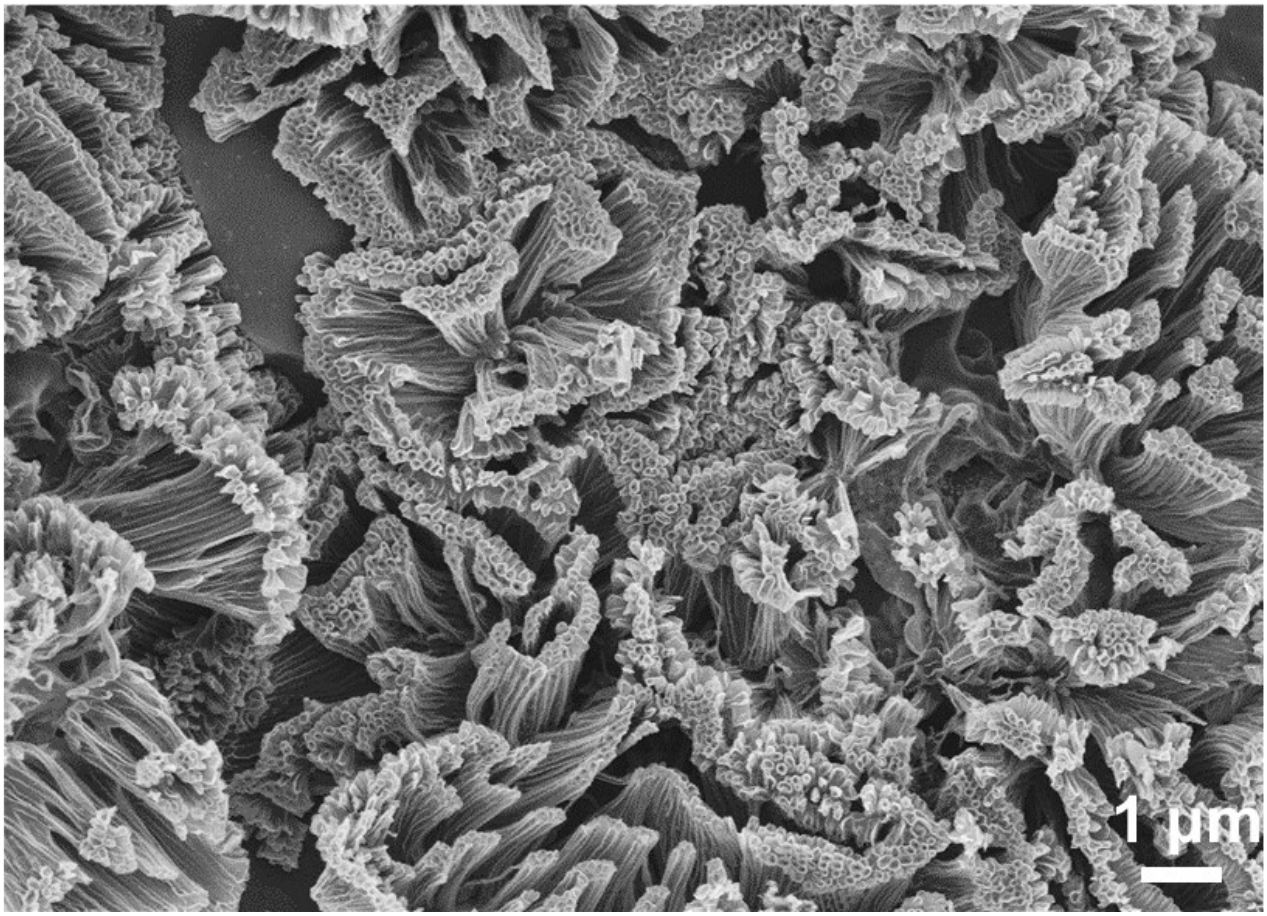


Figure 3. CO_2 adsorption isotherms on 3D G-SA pyrolized at 900 ^{o}C at different temperatures. Points are experimental uptakes and lines are Toth fittings.

Figure S4. Additional SEM images of the resulting 3D G-SA



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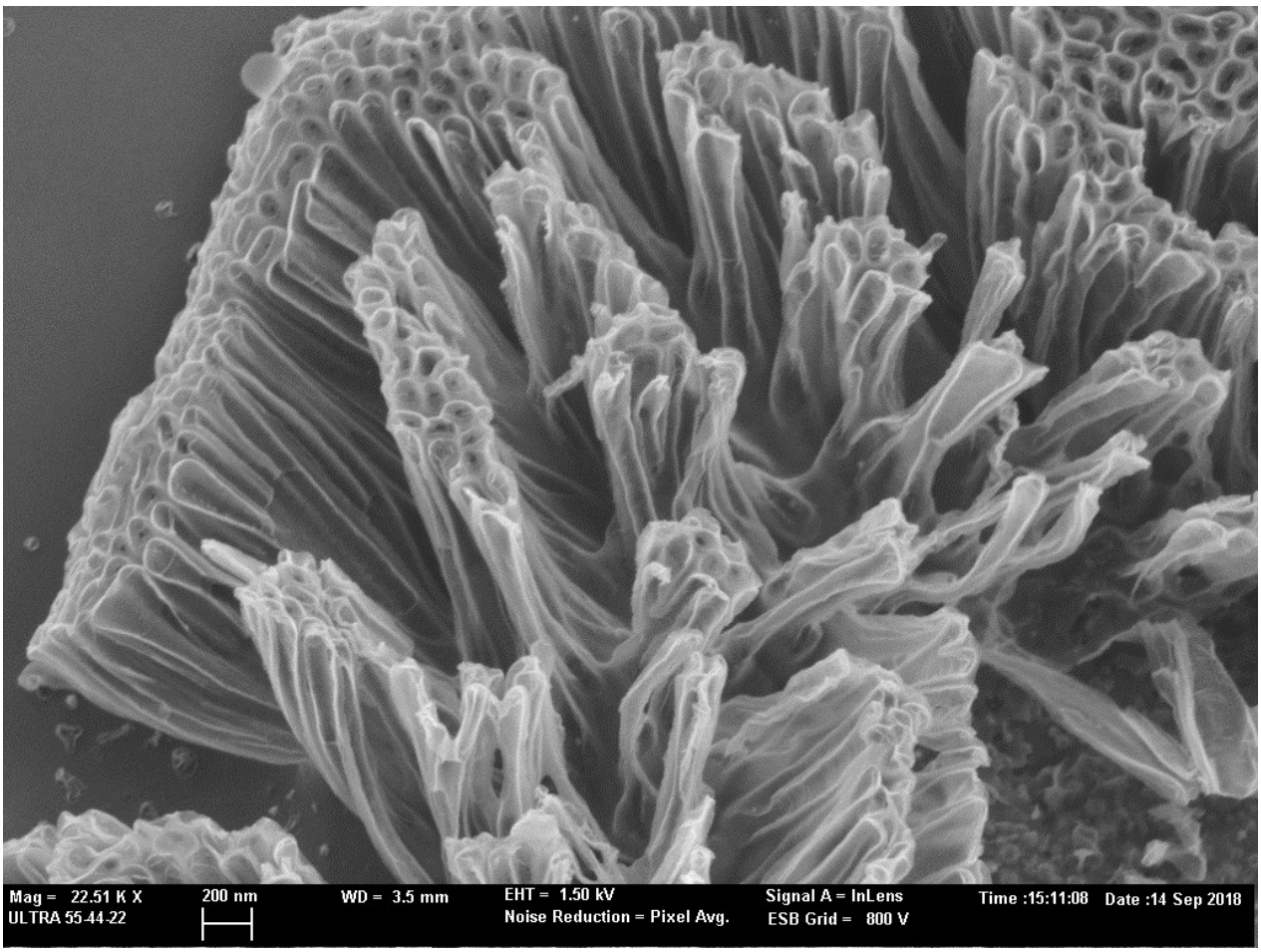
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200 nm
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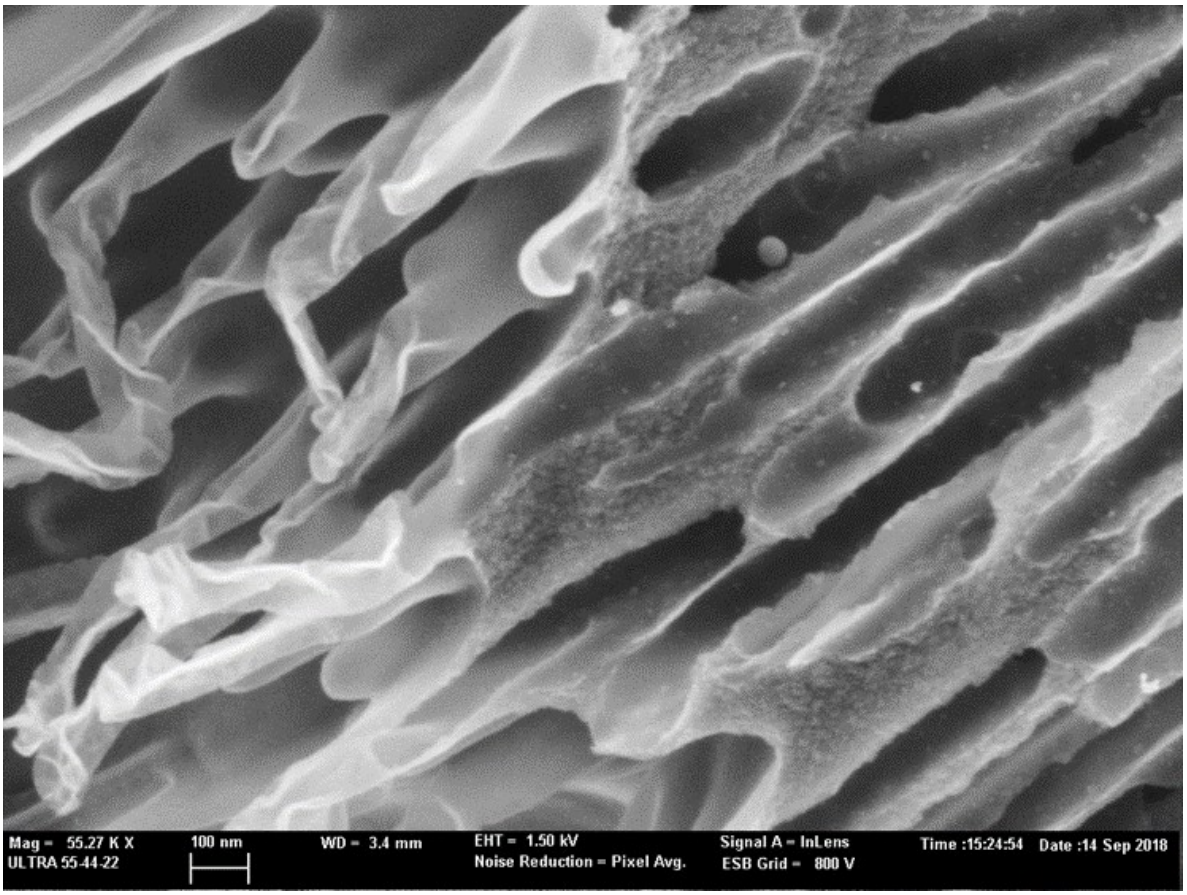
EHT = 1.50 kV
Noise Reduction = Pixel Avg.
Signal A = InLens
ESB Grid = 800 V
Time :15:11:08
Date :14 Sep 2018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ULTRA 55-44-22
100 nm
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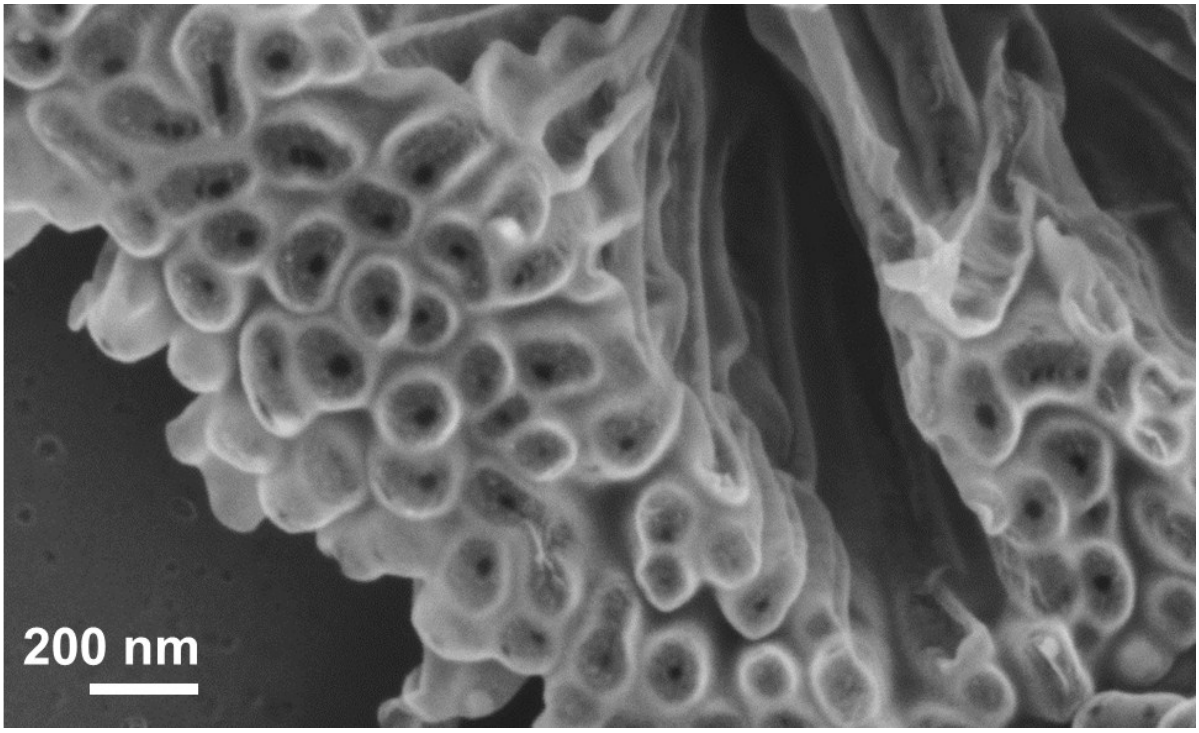
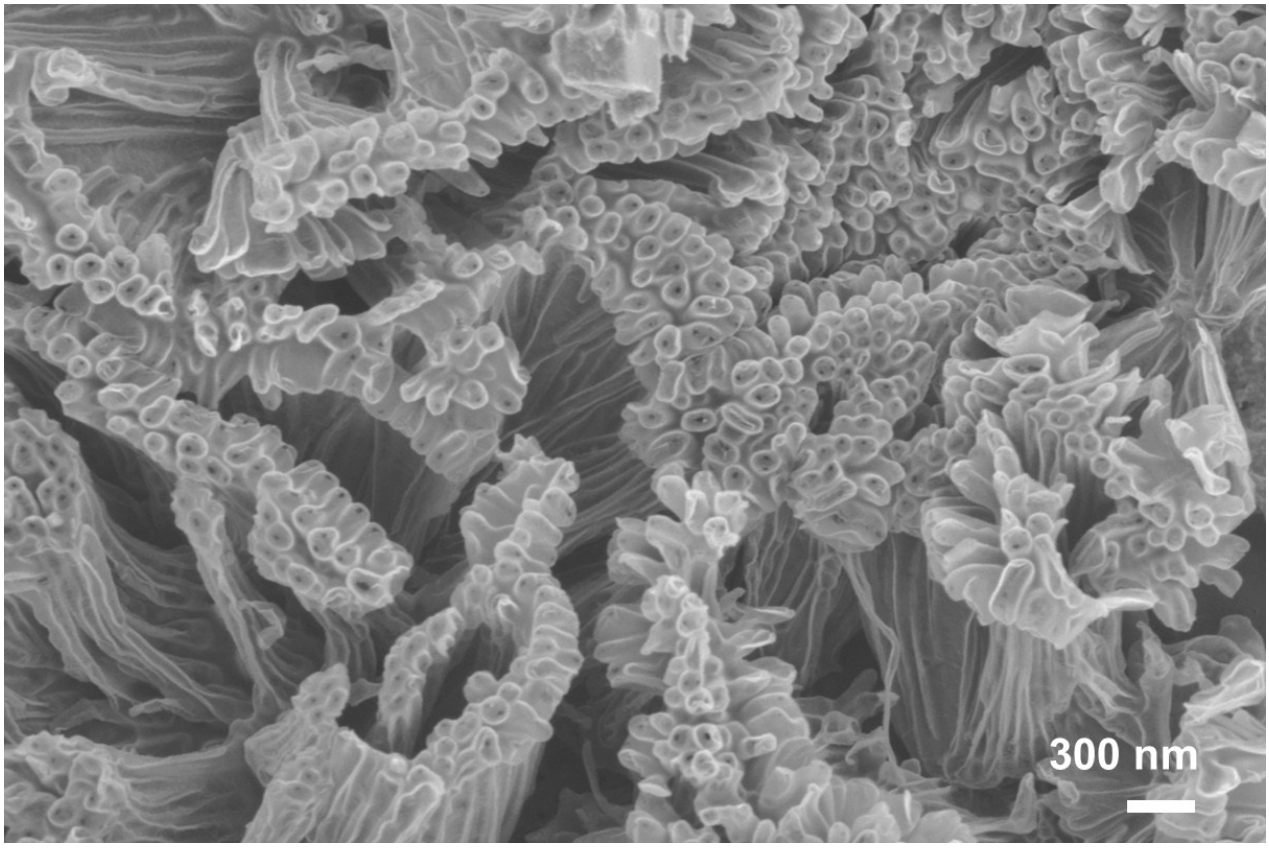
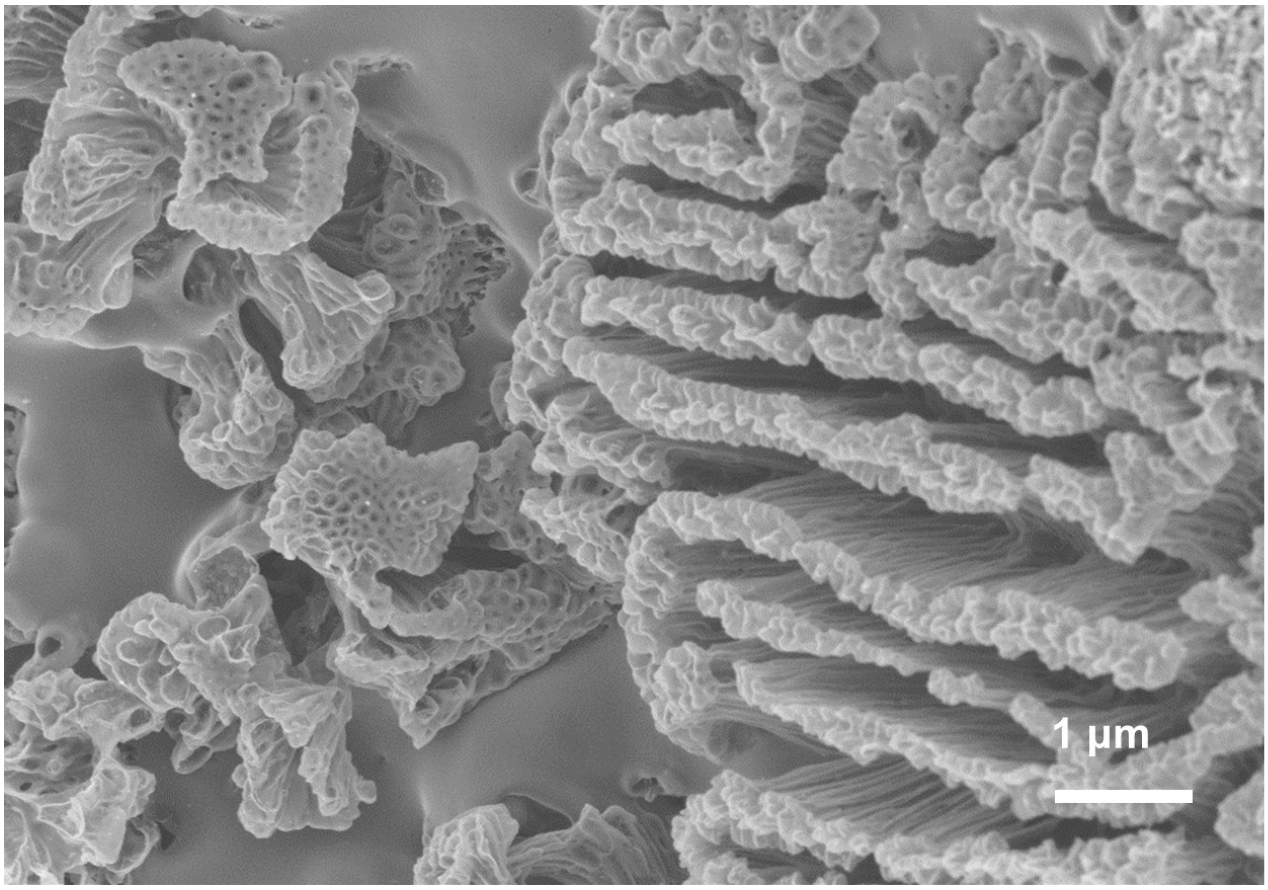

200 nm


300 nm


1 µm

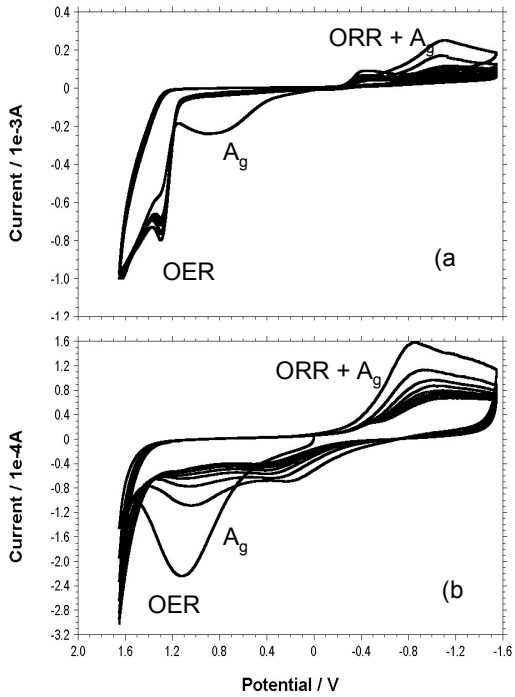



Figure S5. Cyclic voltammograms at 3DG-SA-modified GCEs immersed into: a) 0.10 M potassium phosphate buffer at pH 7.0, and b) the same plus 0.02 M $LiClO_4$. Potential scan rate 50 mV s^{-1}.