

Electronic Supplementary Information

Utilization of compressible hydrogel as an electrolyte material for supercapacitor application

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Video S1. Video of the hydrogel network embedded with carbon nanoparticles under five cycles of compression shows the network's ability to gain the original shape after 40% of specimen strain.

Video S2 and Video S3. Video of the hydrogel network embedded with carbon nanoparticles bending and folding. The video shows the ability of the system to stay in its original shape and not break into pieces.