

Supplementary Information

Onion-derived Activated Carbons with Enhanced Surface Area for Improved Hydrogen Storage and Electrochemical Energy Application

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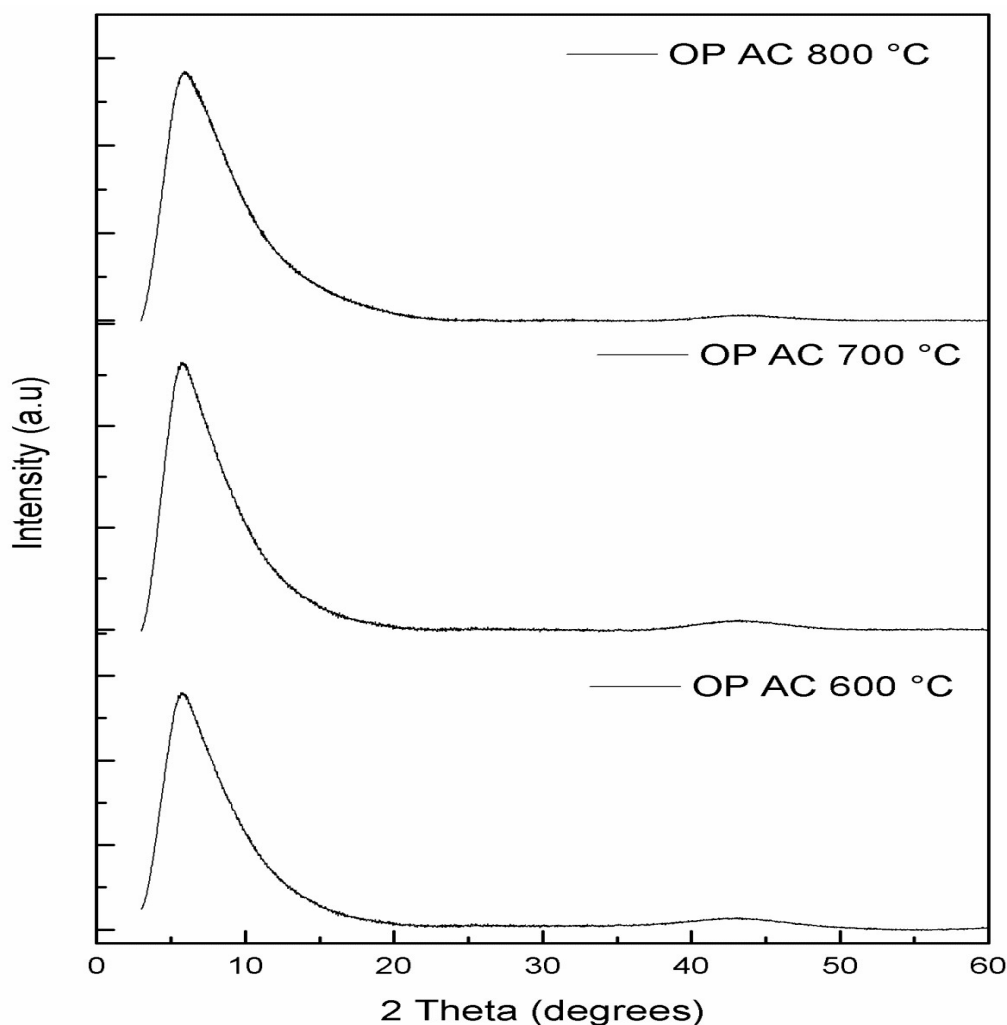


Figure S1: XRD patterns of OP ACs produced at 600, 700 and 800 °C.

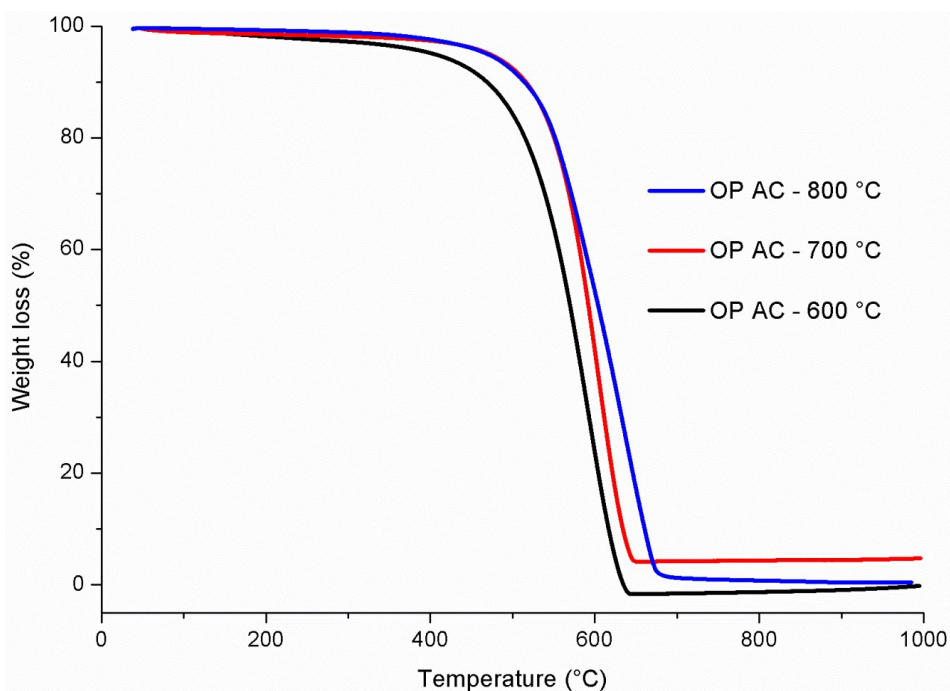


Figure S2: TGA plots of OP ACs produced at 600, 700 and 800 °C.

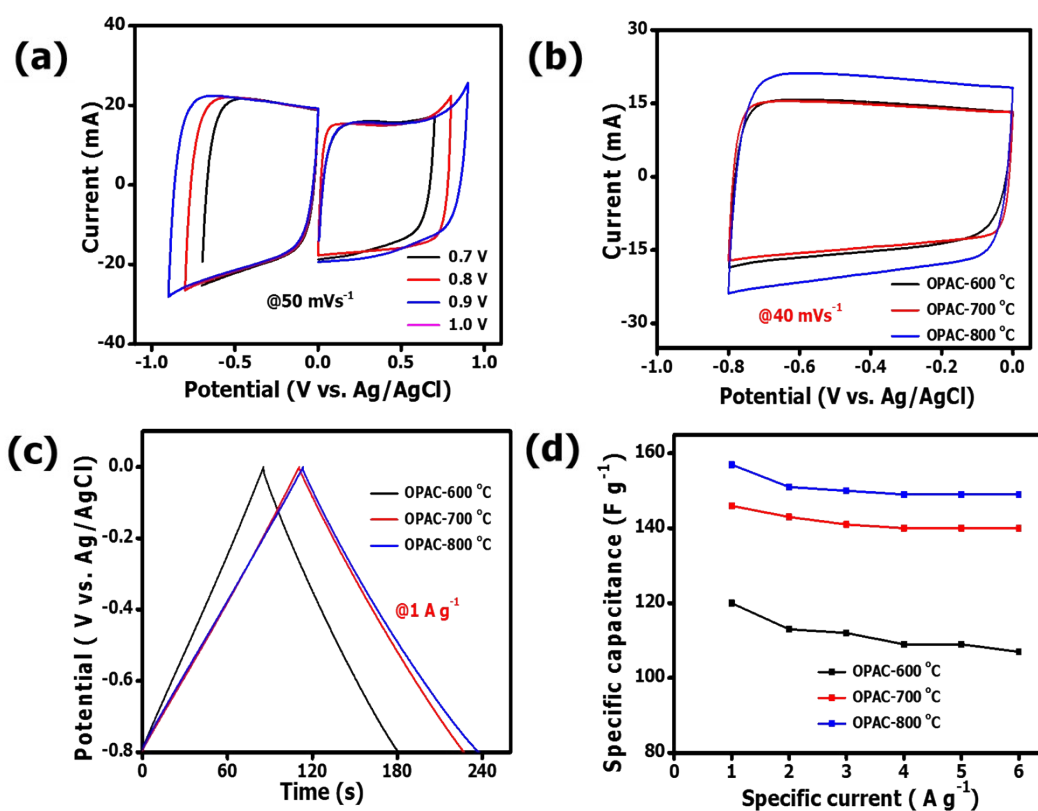


Figure S3: Onion-derived activated carbons: (a) CV curves at a scan rate of 50 mV s^{-1} at varying operating potential window, (b) CV curves at a scan rate of 40 mV s^{-1} at an operating potential of -0.8 V to 0.0 V , (c) respective galvanostatic charge-discharge plots and (d) specific capacitance calculated versus specific current for the negative potential windows.