Supporting information

Ultra-Thin Wrinkled Carbon Sheet as an Anode Material of High-Power-Density Potassium-Ion Batteries

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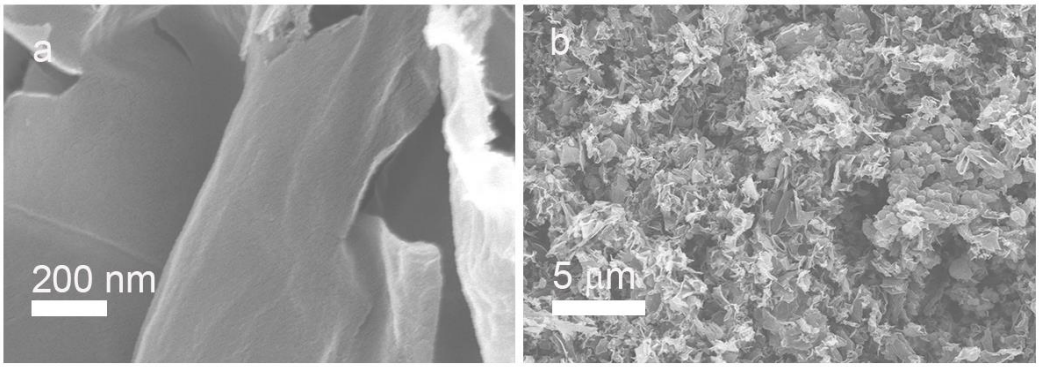

Figure S1. SEM images of $USC_{10\text{-}1}$.

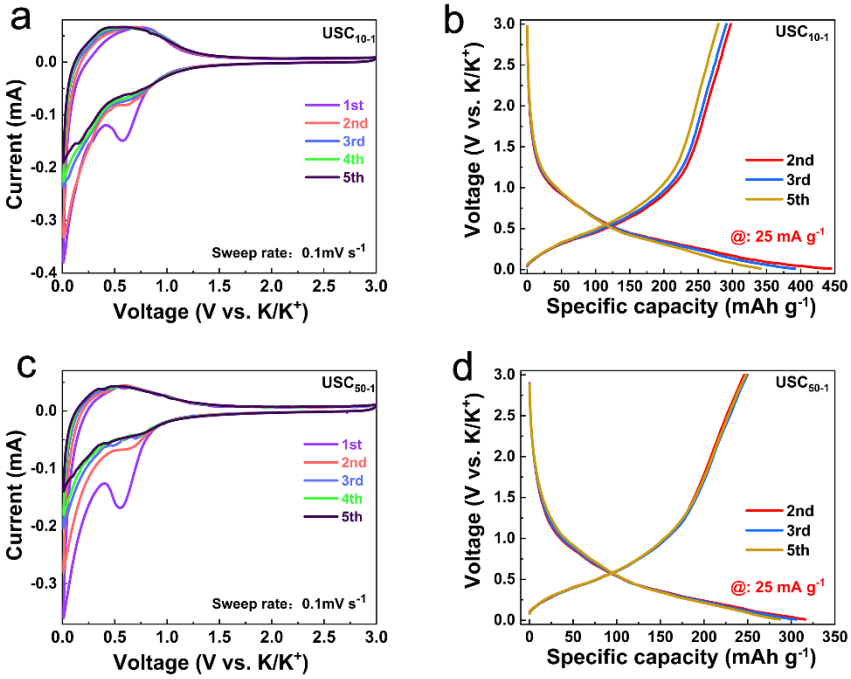

Figure S2. The CV curves at 0.1mV s^{-1} scanning speed and charge-discharge curves at 25 mA g^{-1}: (**a**,**b**) $USC_{10\text{-}1}$, (**c**,**d**) $USC_{50\text{-}1}$.

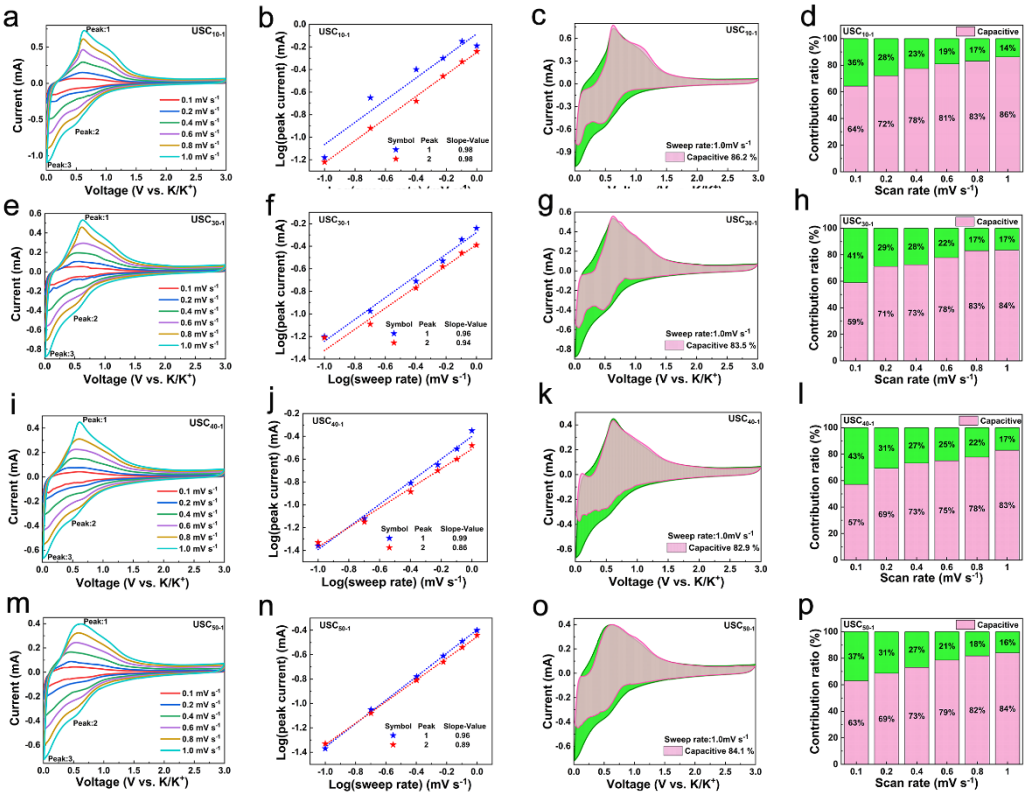

Figure S3. (**a, e, i, m**) CV curves at different scan rates, (**b, f, j, n**) linear fitting relationship between log i and log v at different redox peaks, (**c, g, k, o**) CV curves of electrode capacitance contributions at a scan rate of 1.0 mV s^{-1}, (**d, h, l, p**) contribution ratio of pseudocapacitive response at different scan rates.