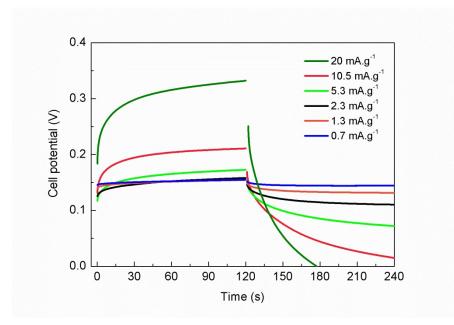
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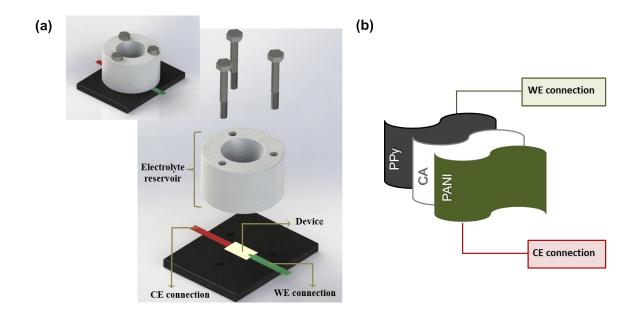
Supplementary Information

## **Different charge/discharge rates**



**Figure S1**. Comparison of charge/discharge curves at various fixed current densities per unit mass of 20, 10.5, 5.3, 2.3, 1.3 and 0.7 mA.g<sup>-1</sup>

## **Electrochemical Setup**



**Figure S2**. (a) Schematic of the electrochemical cell used for electrochemical characterization and charge/discharge measurements: Two flexible carbon meshes were used as the connection for the working electrode (WE) and the counter electrode (CE). This electrochemical cell has a reservoir in order to easily inject the electrolyte; (b) Device assembly used in electrochemical characterization.