

The intermediate results on the capacitance and the charge were calculated using $dq = i \times dt / m = i \times dV / (m \times v)$, $C_s = dq / dV$, similar to Eq. 1, as shown in S-1. The specific capacitance (C_s) and charge (q) are potential-dependent as shown in above figure. For the sample, ATM50, C_s is in a range from 170 to 315 F/g. In Table I, the average capacitances were given out.