

### Supporting Information

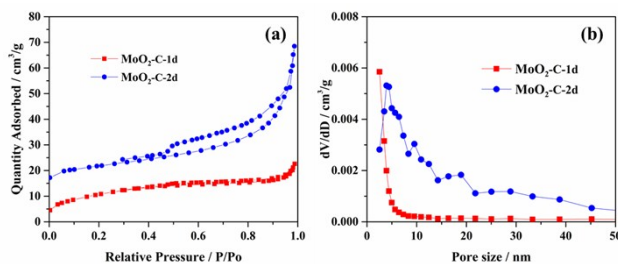


Fig. S1 (a)  $N_2$  adsorption-desorption isotherms and (b) BJH pore size distribution plots for  $MoO_2-C-1d$  and  $MoO_2-C-2d$ .

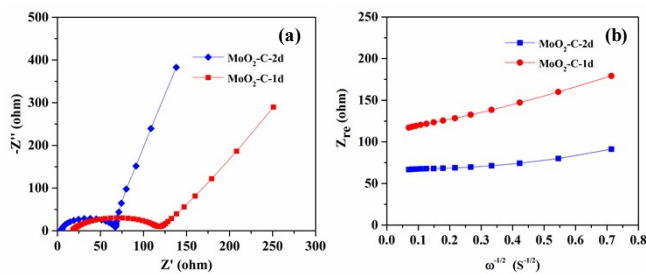


Fig. S2 (a) Nyquist plots and (b) the relationship between  $Z_{re}$  and  $\omega^{-1/2}$  for the  $MoO_2-C-1d$  and  $MoO_2-C-2d$  electrodes after 50 cycles from 1 MHz to 0.05 Hz.