Supplementary Information for

Electrical Resistance Change in Thermally Reconfigured Nanoporous Ionomer-Bound Carbon Films

Jae-Bum Pyo^{‡a}, Ji Hun Kim^{‡a}, Kiyoul Kim^{a,b} and Taek-Soo Kim^{*a}

- a Department of Mechanical Engineering, KAIST, 291 Daehak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea;
- b Agency for Defense Development, P.O. Box 35, Yuseong, Daejeon 34186, Republic of Korea;

‡These authors contributed equally to this work.

*Corresponding author. E-Mail: tskim1@kaist.ac.kr

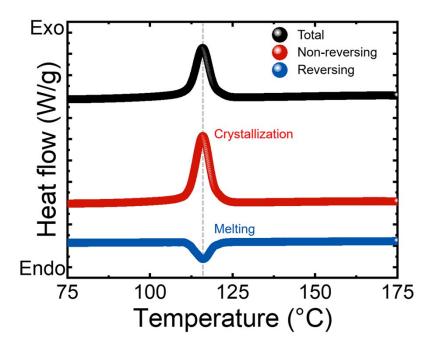


Fig. S1 Modulated DSC result of the pristine electrode.

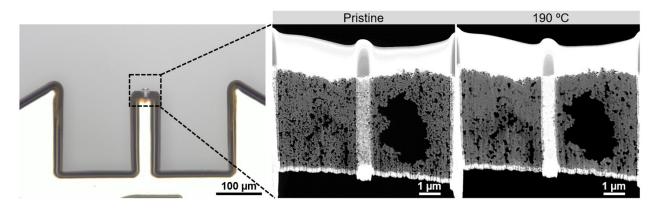


Fig. S2 Prepared TEM sample on a lift-out TEM grid and its HAADF-STEM images of pristine and 190 °C electrodes.

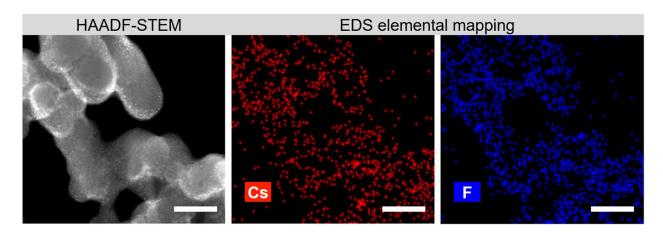


Fig. S3 HAADF-STEM image of pristine electrode and its corresponding EDS mapping results of Cs⁺ Nafion (red) and fluorine (blue). Scale bar, 40 nm.