

Section S2

X-ray imaging (XNI) experiments on the secondary particle extracted from $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ cathode using the milling method were performed at the 7C XNI beamline, PAL. X-ray energy was fixed to 8332.8 eV for tomography measurements, and the sample was rotated from 0 to 180° with a step size of 1° . These images were reconstructed using the OCTOPUS program, and volume rendering was done by AVIZO processing software.