Scanning X-Ray Fluorescence Imaging Study of Lithium Insertion into Copper Based Oxysulfides for Li-ion Batteries.

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Supporting Information Available: Scanning electron microscopy images of the electrode-base films.

Figure S1. SEM ex situ a) the nearly fully reduced electrode (Li3.75) is composed by layered particles (a), mainly composed by Sr, Mn, S and O, and Cu dendrites, as deduced from electron dispersive spectroscopy (EDS) analysis, b) recharged to 2.7V.

Figure S2. SEM images of the cathode film (Film-II) consisting of Sr2MnO4Cu3.5S3: carbon black: PVDF (33: 40: 27) wt. %.