Effects of Amorphous and Crystalline MoO$_3$ Coatings on the Li-Ion Insertion Behavior of TiO$_2$ Nanotube Anode for Lithium Ion Battery

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Figure S1. Cross-sectional SEM image of B-TN.

Figure S2. Top-view SEM images of (a) TiO$_2$ nanotubes coated with amorphous MoO$_3$ via 16 deposition cycles, (b) Fractured nanotubes of CMO-TN after strong sonication exposing $\alpha$-MoO$_3$ nanoparticles on their inner and outer walls.
Figure S3. Specific charge capacities of B-TN, 400MO, AMO-TN and CMO-TN over 10 cycles measured at a current of 800 μA cm$^{-2}$.

Figure S4. Areal charge capacities of B-TN, 400MO, AMO-TN and CMO-TN in a current range from 200 to 1000 μA cm$^{-2}$.

Figure S5. (a) Charge-discharge profiles at the 1$^{st}$ and 2$^{nd}$ cycle and their according differential capacity curves of 400MO measured at a current of 800 μA cm$^{-2}$.