Supporting information

\( \text{SiO}_2\)-coated \( \text{LiNi}_{0.915}\text{Co}_{0.075}\text{Al}_{0.01}\text{O}_2 \) cathode material for rechargeable Li-ion batteries

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**Fig. S1.** SEM images of pristine NCA.

**Fig. S2.** Cycling performance of pristine NCA and 0.2SiO\(_2\)-NCA.

**Fig. S3.** Typical charge/discharge curves of pristine NCA.
Fig. S4. Typical charge/discharge curves of 0.2SiO$_2$-NCA.

Fig. S5. TEM images of 0.2SiO$_2$-NCA after cycles.