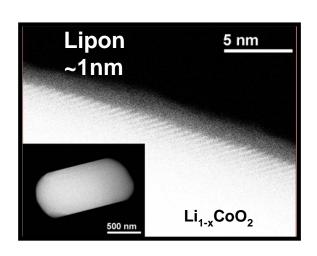
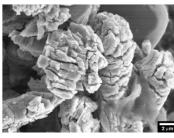
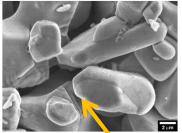
Solid electrolyte coating to stabilize high voltage cathodes

- Degradation processes of high voltage (~5V) cathodes in organic electrolyte.
- Lipon (Li oxynitride phosphate) improves cycling stability, but how?
- Model thin film cathode materials compared to usual particulate cathodes







S 100

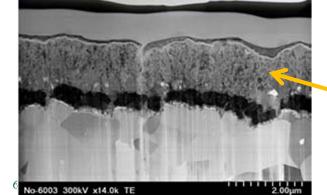
Lipon-coated Li, CoO₂

Present a serior content Li, CoO₂

Bare Li, CoO₂

Bare Li, CoO₂

Cycle number



LiCoO₂ particles and binder-free thin film

