

Supplement Information: Systematic Investigation of Prelithiated SiO₂ Particles for High-Performance Lithium Battery Anodes

Yuyao Han, Xinyi Liu, Zhenda Lu

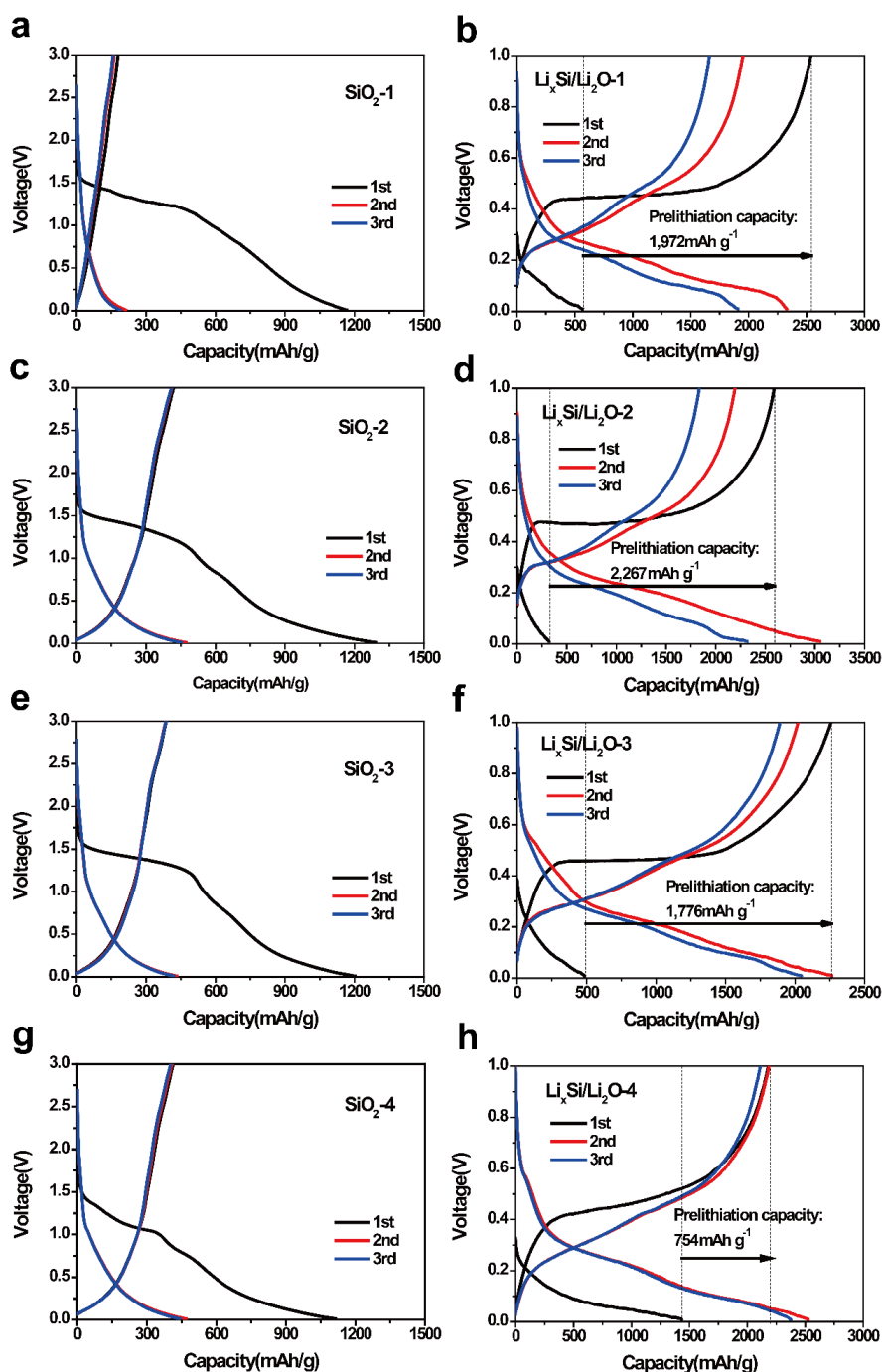


Figure S1. Galvanostatic charge/discharge profiles SiO₂ electrodes (2 nm, 10 nm, 300 nm, and 3 μ m) before (a, c, e, g) and after (b, d, f, h) lithiation.

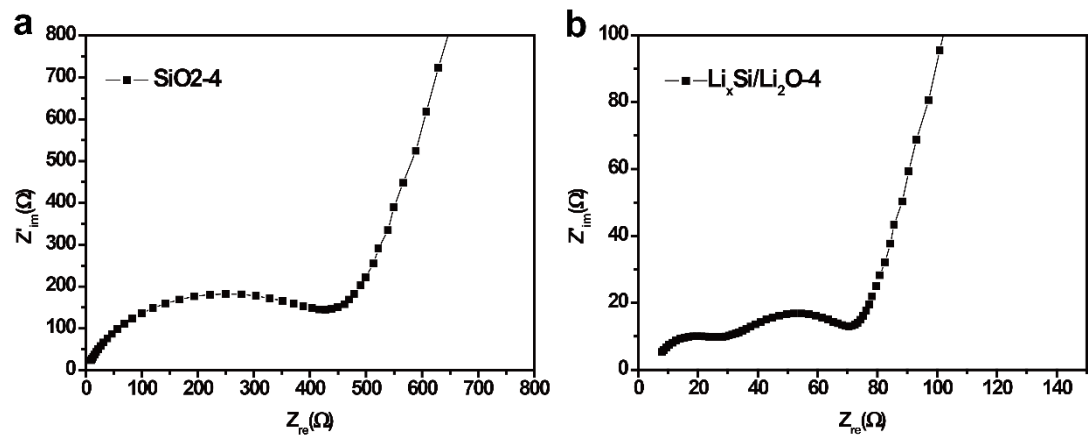


Figure S2. Electrochemical impedance spectroscopy of SiO₂-4 electrodes before (a) and after (b) prelithiation at the first cycle.

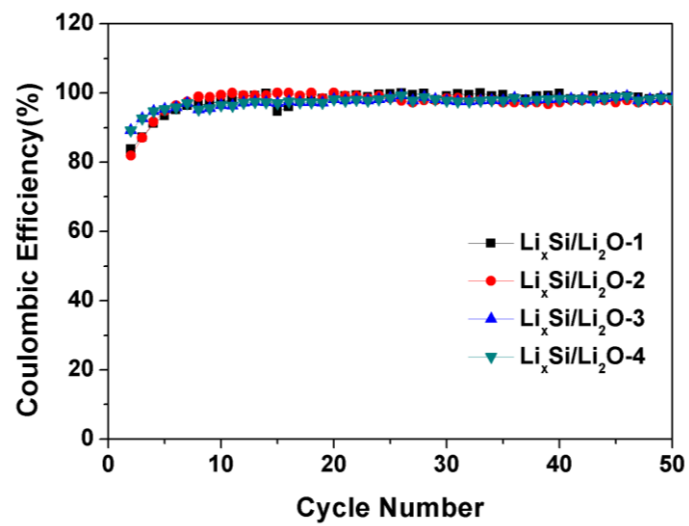


Figure S3. The Coulombic efficiency of four Li_xSi/Li₂O composites.

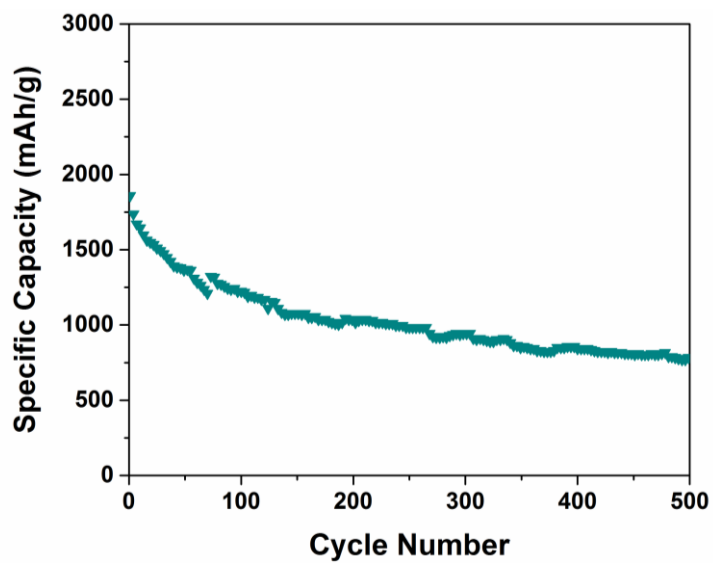


Figure S4. Cycling performance of Li_xSi/Li₂O-4 composite.