

Electronic Supplementary Information (ESI)

Concentration shift experiment with electrode active material for precise electrochemical analysis

Tamotsu Sawahashi, Koji Hiraoka, Shiro Seki*

Graduate School of Applied Chemistry and Chemical Engineering, Kogakuin University, 2665-1
Nakano-machi, Hachioji, Tokyo 192-0015, Japan

* Corresponding author. Tel: +81-42-628-4568; fax: +81-42-628-4568.

E-mail: shiro-seki@cc.kogakuin.ac.jp (S. Seki)

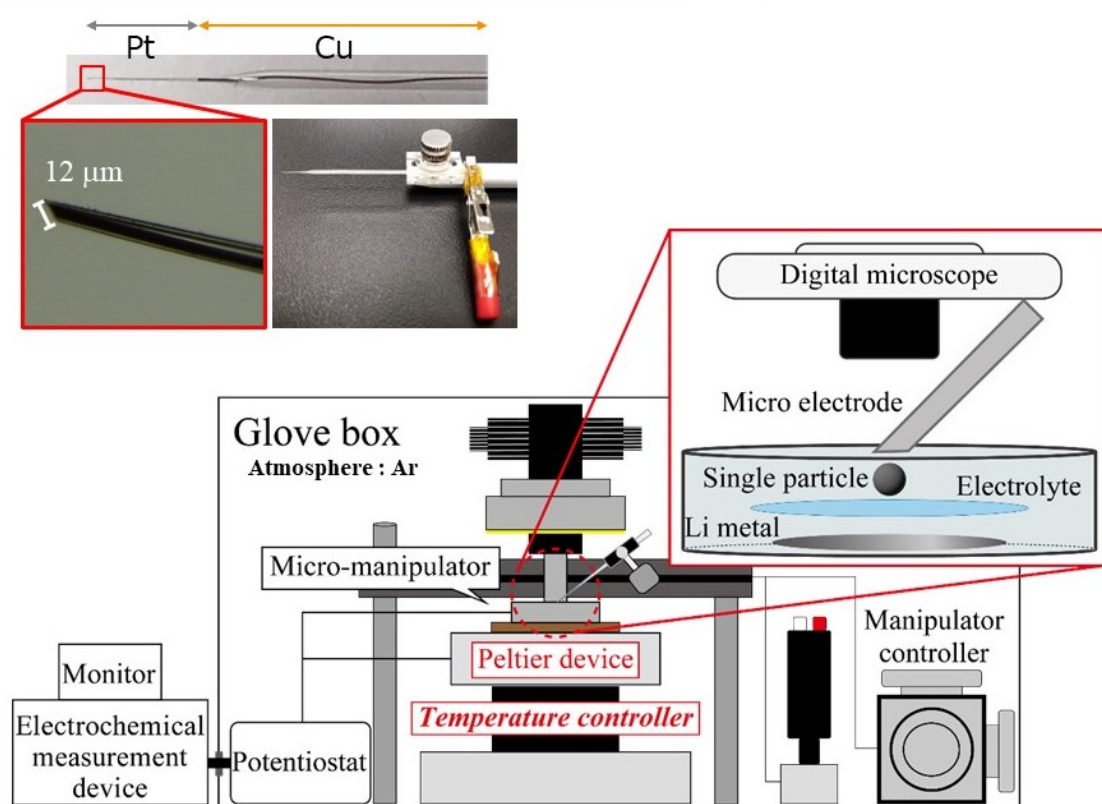


Figure S1. Schematic image of an SPEM cell used in this study.

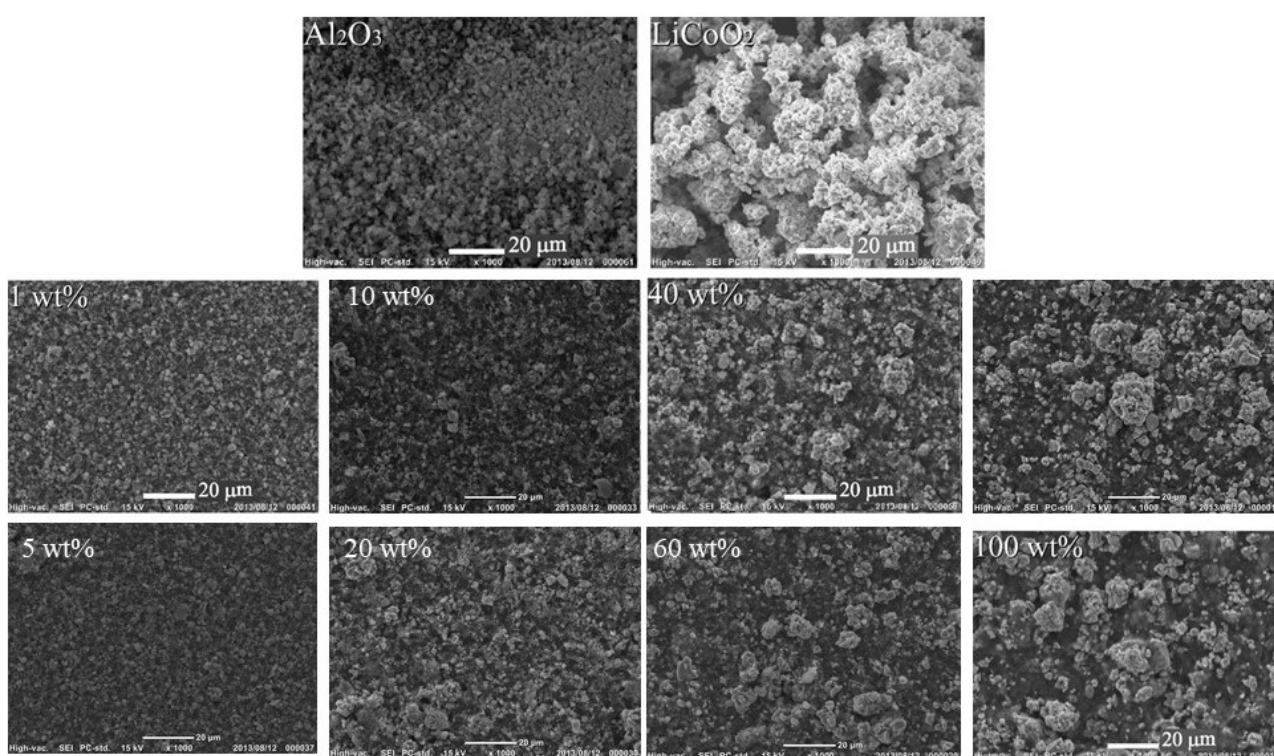


Figure S2. The SEM images of LiCoO_2 , Al_2O_3 powder and surface of dilute-type applied positive electrode sheets.

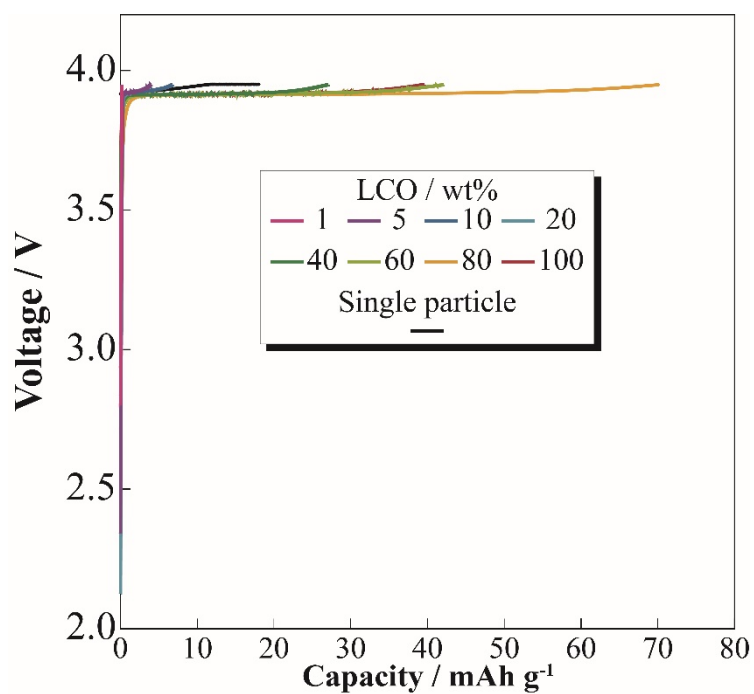


Figure S3. The charging curves of [Li|1.0 mol kg⁻¹ LiFSA / EC| LCO-Al₂O₃] cell using dilute-type applied positive electrode sheet for 3.95 V. Capacities were also calculated based on the sum weight of LCO and Al₂O₃.