

Correction to High Performing $\text{LiMg}_x\text{Cu}_y\text{Co}_{1-x-y}\text{O}_2$ Cathode Material for Lithium Rechargeable Batteries

Chandrasekaran Nithya, Ramasamy Thirunakaran, Arumugam Sivashanmugam, and Sukumaran Gopukumar*

ACS Appl. Mater. Interfaces 2012, 4 (8), 4040–4046. DOI: 10.1021/am300842x

Page 4044. X-axis title in Figure 7b should be “Cycle Number” (it is mistakenly marked as “Potential”); the compositions of $x = 0, y = 0.2$ and $x = 0.045, y = 0.155$ are labeled correctly as per the text.

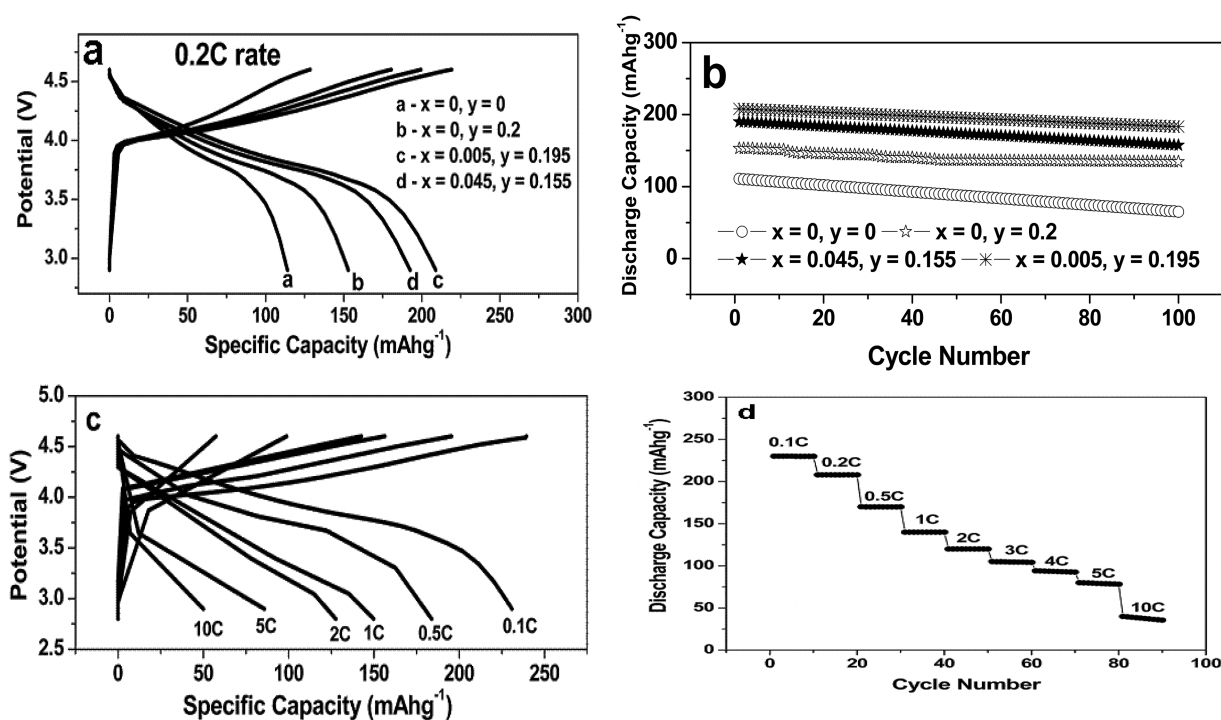


Figure 7. (a) Charge/discharge behavior of $\text{LiMg}_x\text{Cu}_y\text{Co}_{1-x-y}\text{O}_2$ materials at 0.2C rate. (b) Cycling performance of $\text{LiMg}_x\text{Cu}_y\text{Co}_{1-x-y}\text{O}_2$ materials at 0.2C rate. (c) Charge/discharge curves of $\text{LiMg}_{0.005}\text{Cu}_{0.195}\text{Co}_{0.8}\text{O}_2$ at different C-rates. (d) Rate capability of $\text{LiMg}_{0.005}\text{Cu}_{0.195}\text{Co}_{0.8}\text{O}_2$ at different C-rates over 90 cycles.

In Figure 8b, the redox potentials of $\text{Cu}^{2+}/\text{Cu}^+$ are in the range of 3.5 to 3.7 V. Therefore, for clarity, we have marked the potentials exactly in Figure 8b.

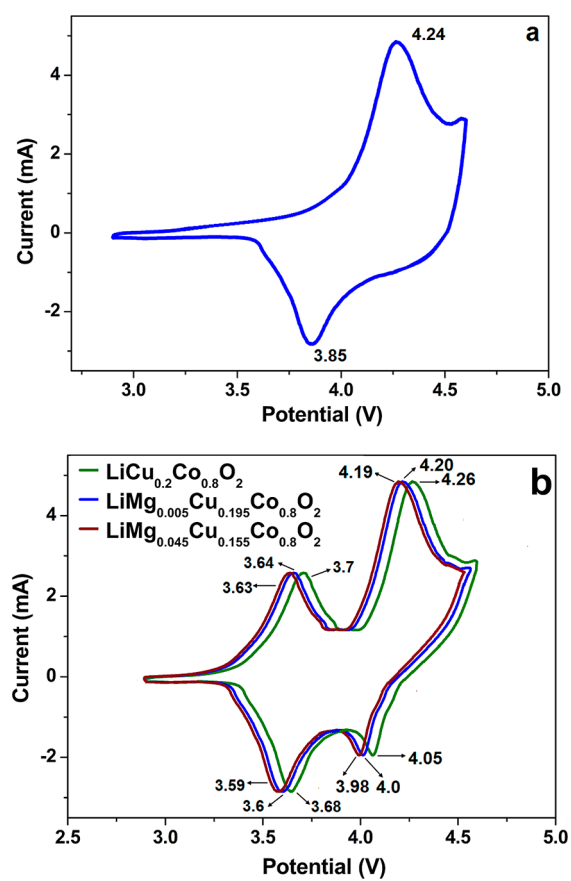


Figure 8. Cyclic voltammogram of (a) LiCoO_2 and (b) $\text{LiMg}_x\text{Cu}_y\text{Co}_{1-x-y}\text{O}_2$ at the scan rate of 0.1 mV s^{-1} .