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Supplementary Information

A new "zero-strain" material for electrochemical lithium insertion

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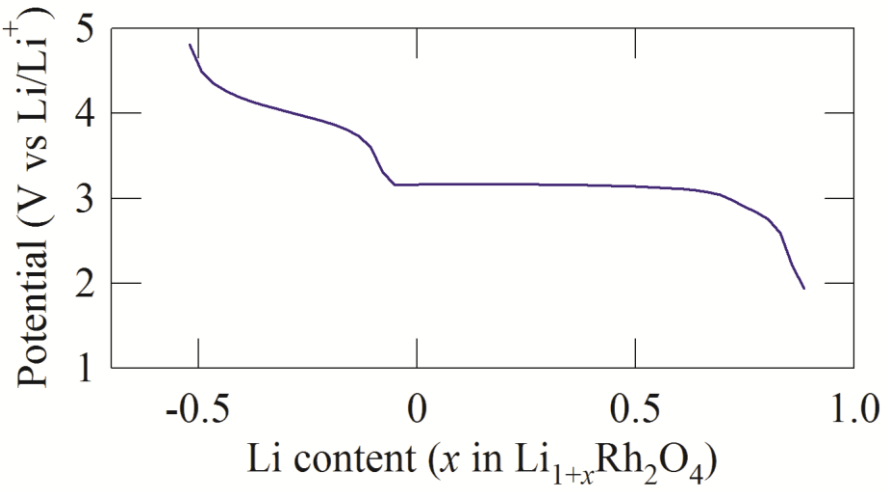

Figure S1. Electrochemical Li extraction and insertion for $LiRh_2O_4$. The cell voltage was initially charged to 4.8 V (vs Li/Li^+), and then the discharge test was performed between 4.8 V and 2.0 V at a constant current density of 10 mA g^{-1}.