An aqueous rechargeable lithium battery of high energy density based on coated Li metal and LiCoO$_2$

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Electronic Supplementary Information (ESI)

Fig. S1 The schematic structure of the coated Li metal.

Fig. S2 CV curves of the prepared LiCoO$_2$ by the sol-gel method in the 0.5 mol l$^{-1}$ Li$_2$SO$_4$ solution: (a) at different scans at 0.1 mV s$^{-1}$, and (b) different scan rates.

Fig. S3 CV curve of 0.5 mol l$^{-1}$ Li$_2$SO$_4$/LiCoO$_2$ ARLB.