

Supporting Information

Rotating-disk electrode analysis of the oxidation behavior of dissolved Li₂O₂ in Li-O₂ batteries

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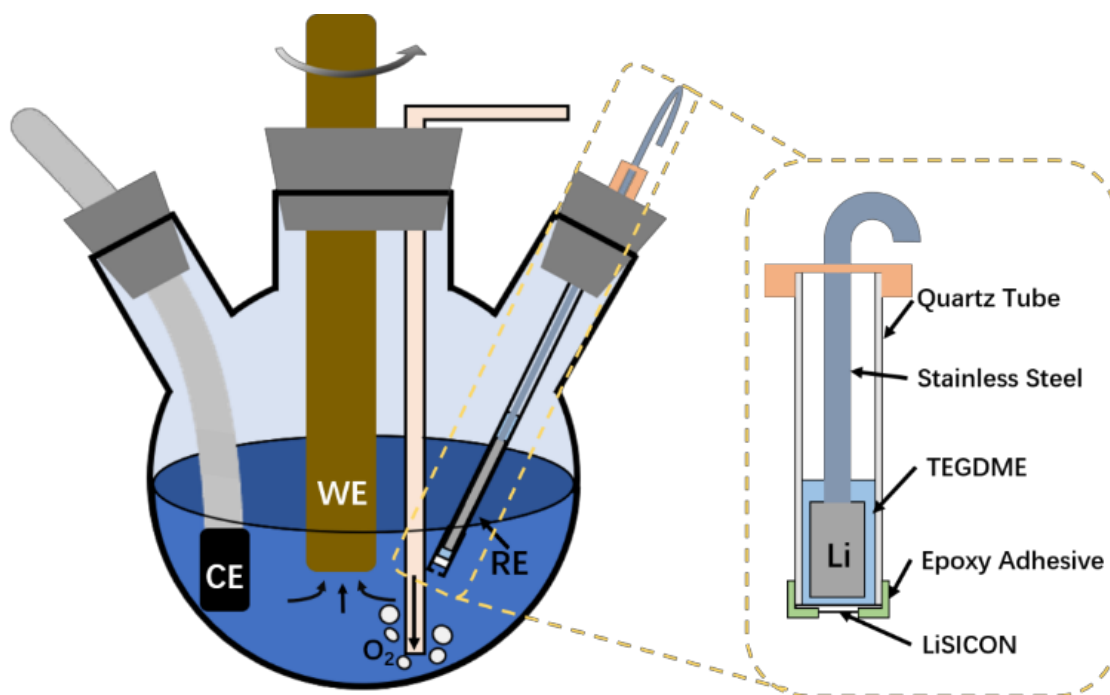


Figure S1 Schematic illustration of three-electrode system and detail of the reference electrode.

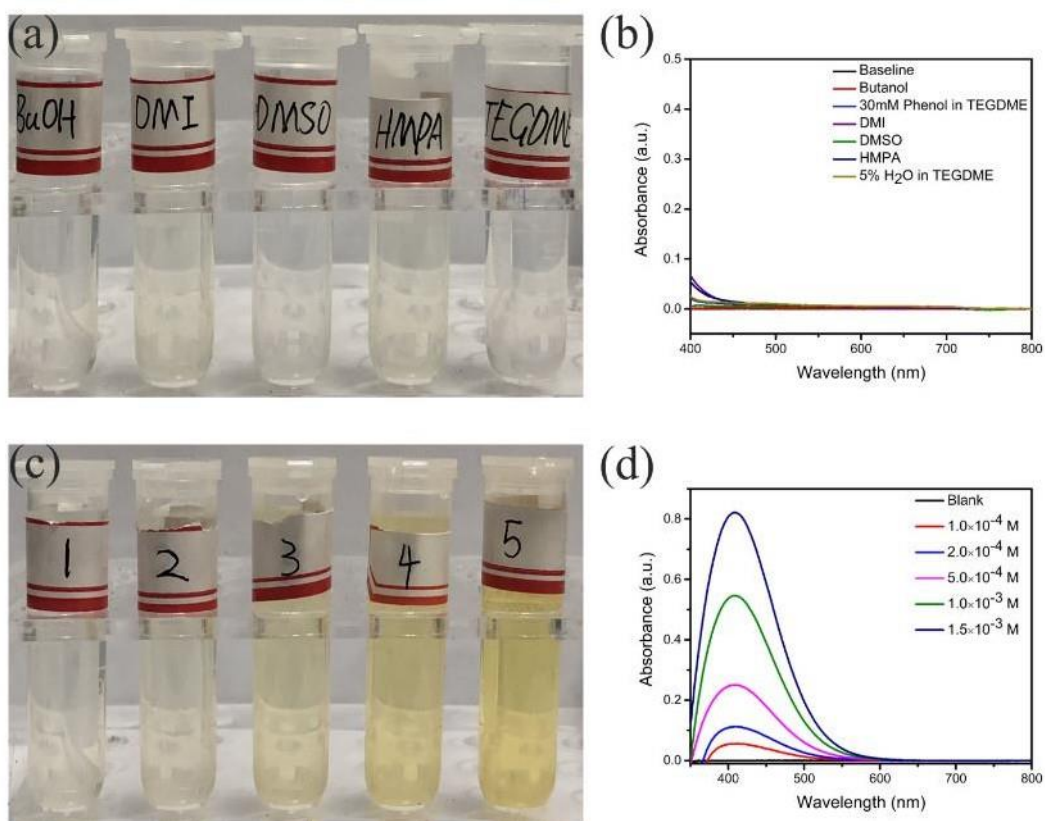


Figure S2 Digital photo (a,c) and UV-Vis absorption spectrum (b,d) of pure electrolytes mixed with $\text{TiOSO}_4/\text{H}_2\text{SO}_4$ solution (a,b) and five standard samples (c,d).

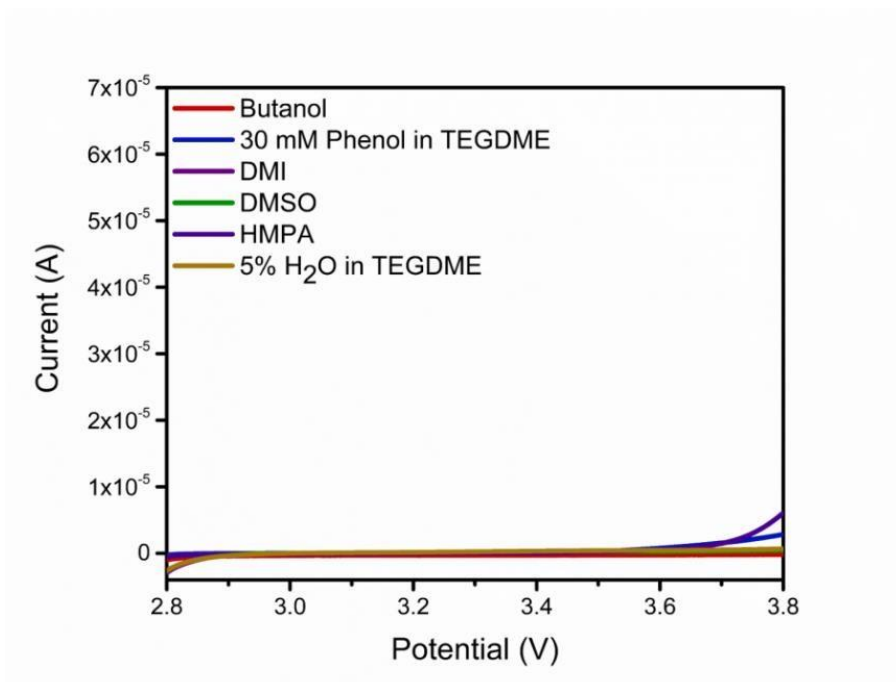


Figure S3 LSV curves of pure electrolytes at the potential range of 2.8 - 3.8V.

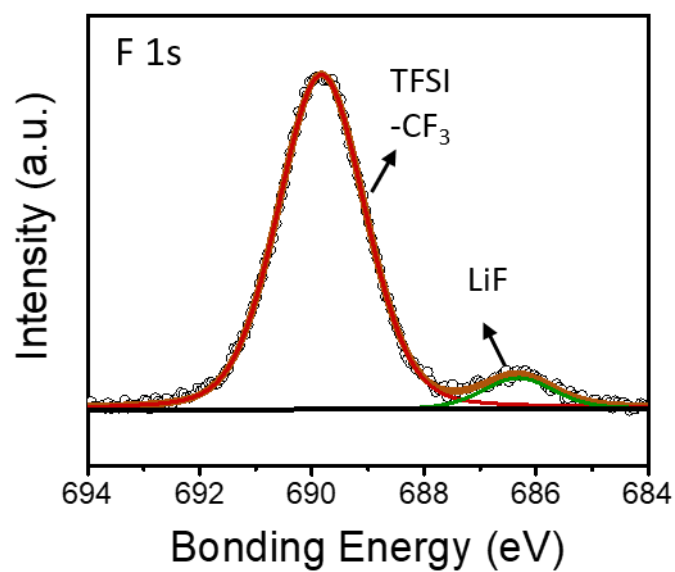


Figure S4 F 1s XPS spectra of the electrode surface in butanol.