

Supplementary materials

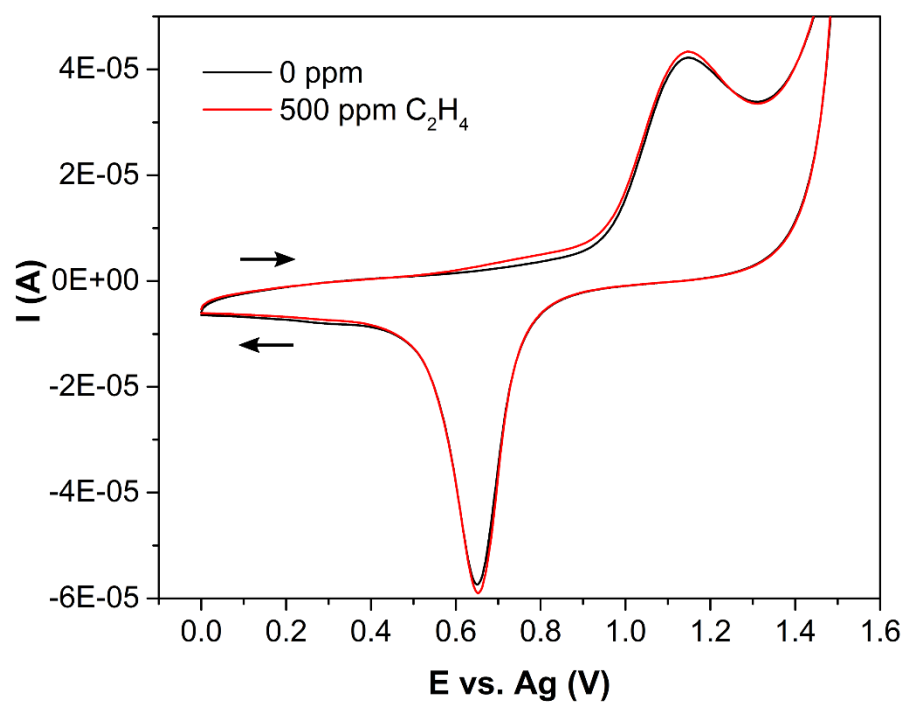


Figure S1. Current-voltage characteristics of the ionic liquid with/without gaseous ethylene (23 °C, 40 %RH, 101.325 kPa, 1 L/min, scan rate = 50 mV/s).

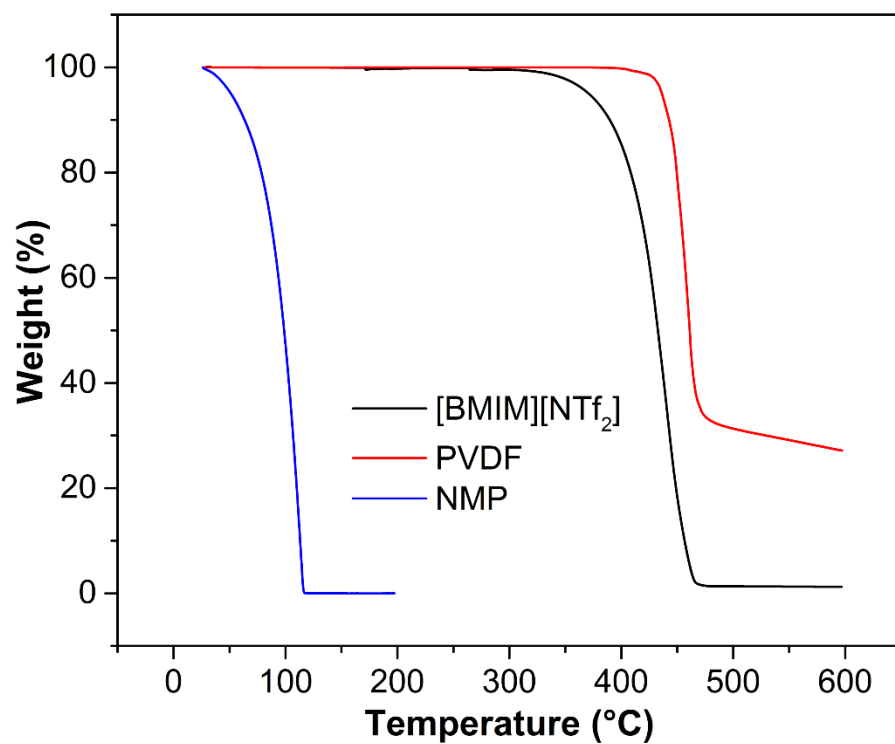


Figure S2. Thermogravimetric curves for components of the solid polymer electrolyte.