

Figure S1: An overview of the effects of water management in GDLs on carbon corrosion rate in the catalyst layer.

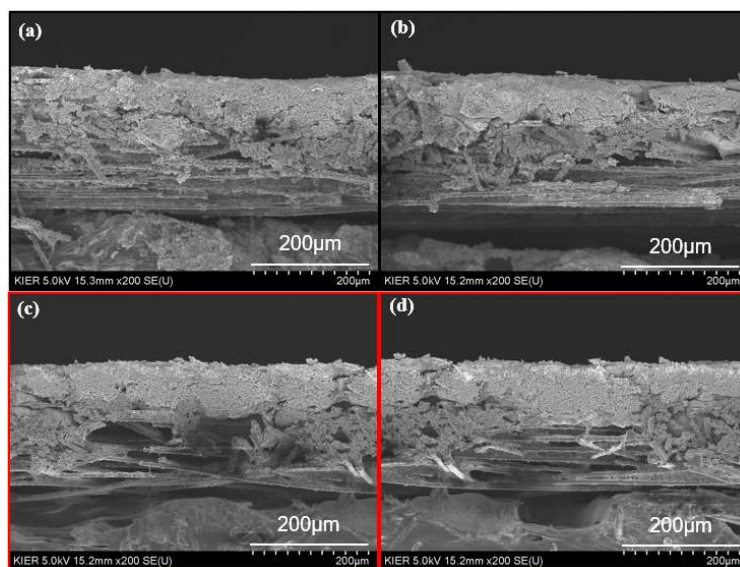


Figure S2: SEM images of fresh GDLs measured twice (a) GDL A 1st, (b) GDL A 2nd, (c) GDL B 1st, and (d) GDL B 2nd.

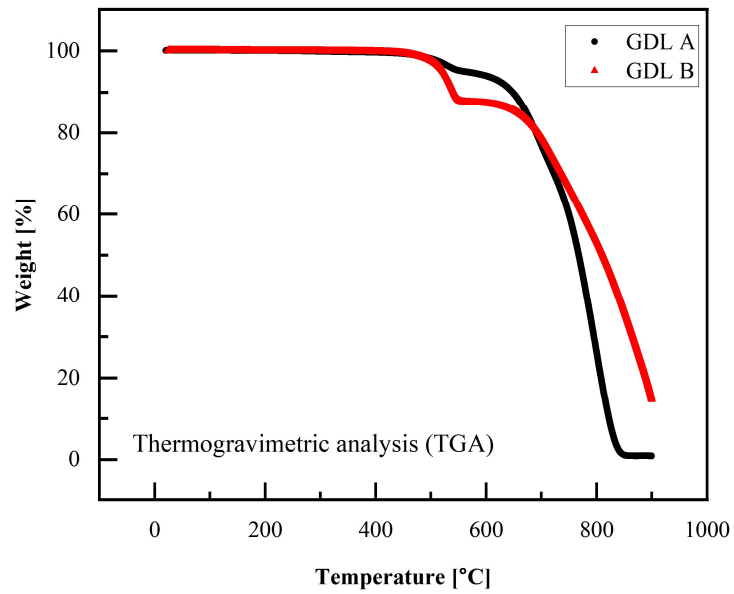


Figure S3: TGA curves of GDL A and GDL B in nitrogen for a heating rate of $10\text{ }^{\circ}\text{C min}^{-1}$.

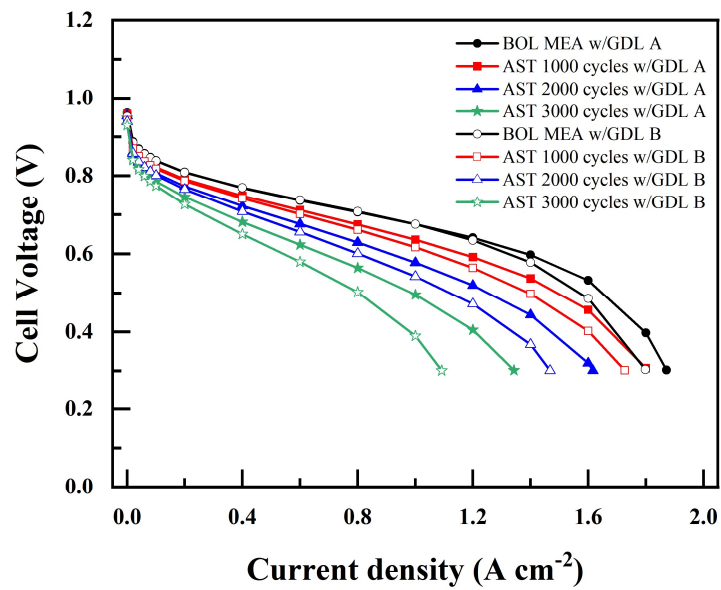


Figure S4: Polarization curves obtained over 3,000 cycles using the modified AST.