Figure S1. X-ray diffraction patterns for platinum wire and iridium wire annealed in forming gas and Li$_2$CO$_3$ melt oxidized for 30 minutes and 5 hours, respectively; followed by 48 hour treatment with ~3M HNO$_3$. XRD pattern of empty 0.8 mm capillary is also provided for comparison. Tick marks indicate the Bragg reflection positions for Li$_2$CO$_3$ (green) and Li$_2$MO$_3$ (blue), while asterisks indicate Bragg reflection positions for Pt.