

Fig. 1 / SEM images of fully-dense BPMs cross-sections

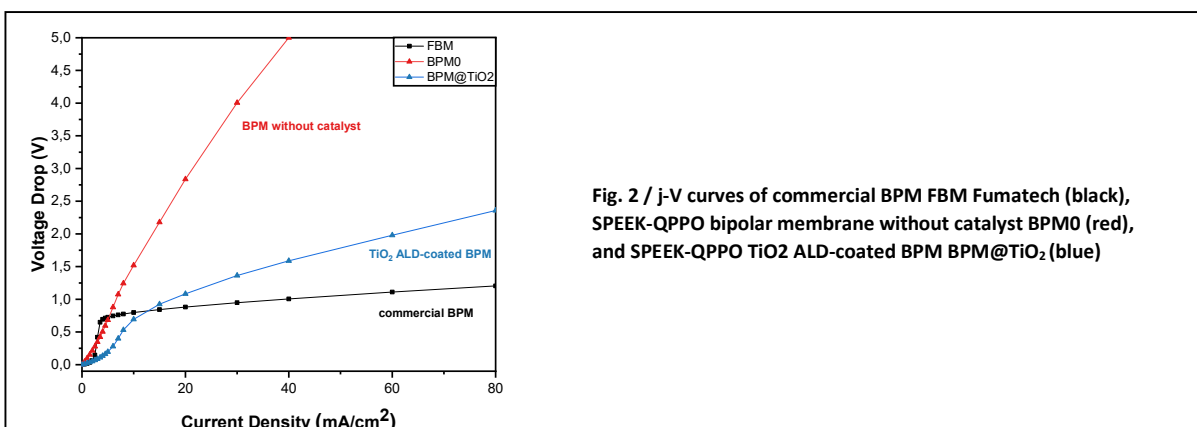


Fig. 2 / j-V curves of commercial BPM FBM Fumatech (black), SPEEK-QPPO bipolar membrane without catalyst BPM0 (red), and SPEEK-QPPO TiO<sub>2</sub> ALD-coated BPM BPM@TiO<sub>2</sub> (blue)